Geosyntec consultants

7 Graphics Drive, Suite 106
Ewing, New Jersey 08628
PH 609.895.1400
FAX 609.895.1401
www.geosyntec.com

01 April 2013
Sent via FEDEX

New Jersey Department of Environmental Protection
Permit Administration Section
Division of Water Quality
PO Box 420 – Mail Code 401-02B
Trenton, NJ 08625-0420

Re: NJPDES Permit Renewal/Conversion Application
Phillipsburg Commerce Park/Former Ingersoll Rand Facility, Phillipsburg, NJ

To Whom It May Concern:

On behalf of Ingersoll Rand Company (IR), Geosyntec Consultants, Inc. (Geosyntec) and Envirogen Technologies (formerly Bigler Associates) have prepared the attached NJPDES permit renewal/conversion application for the groundwater treatment system (GWTS) discharge at the former Ingersoll Rand facility in Phillipsburg, NJ. The GWTS collects petroleum impacted groundwater through a series of extraction wells, treats the water via clay and carbon filtration, and discharges clean water to the Lopatcong Creek, a category FW-2 surface water body. The discharge is currently permitted under a category B individual permit (NJ0004049) that is set to expire later this year.

In lieu of renewing the existing individual permit we request authorization to discharge under the NJPDES B4B general permit (NJ102709). Inquiries have been made to NJPDES staff, specifically Susan Rosenwinkel and Robert Hall, which confirmed the feasibility of this modification in light of the B4B requirements and site specific details.

To facilitate this request the following permit application documentation has been provided:

- A completed NJPDES-1 Form;
- A completed B4B Supplemental Form;
- A facility diagram, treatment flow diagram and topographical map;
- The laboratory data package for the influent sample;
- Evidence of the public notification.

We appreciate your consideration of this matter and assistance already provided. Should you have any questions please do not hesitate to contact the undersigned at 215-300-0837 or Ryan Sullivan of Envirogen Technologies at 973-896-8132.

Michael Lambert, P.G.

cc: Scott Drew, Geosyntec Consultants
Dawn Horst, Ingersoll Rand Company
Ryan Sullivan, Envirogen Technologies

Form 1

New Jersey Pollutant Discharge Elimination System Permit Application

Reset Form

State of New Jersey
Department of Environmental Protection
Division of Water Quality

New Jersey Pollutant Discharge Elimination System Permit Application

Refer to the attached Instructions and the Appropriate Completeness Checklist and Provide All Applicable Information. Please Print or Type. (Attach additional sheets if necessary).

1. Applicant(s)/Operating Entity(ies)

Name Ingersoll Rand Company

Mailing Address One Centennial Avenue

City or Town Piscataway State NJ Zip Code 08854

Contact Person Dawn Horst Telephone (732) 652-6723 E-Mail dawn_horst@irco.com

Parent Corporation & Place of Incorporation

Federal Tax Identification Number

2. Property/Land Owner(s)

Entity Name Phillipsburg Associates

Mailing Address One Radnor Corporate Center - 100 Matsonford Rd - Suite 100

City or Town Radnor State PA Zip Code 19087

Contact Person Legal Department Telephone (610) 834-1969 E-Mail rebner@preferred.com

3. Location of Facility/Site

Name of Facility/Site Phillipsburg Commerce Park / Former Ingersoll Rand Facility

Street Address/Location 942 Memorial Parkway

City or Town Phillipsburg Town State NJ Zip Code 08865

Municipality Phillipsburg County Warren Block (s) 3201 Lot (s) 7.09

4. Facility Contact (Person Familiar with the Facility/Site and this Application)

Name Mike Geier Affiliation Envirogen (operating contractor)

Mailing Address 2 Main St.

City or Town Ridgefield Park State NJ Zip Code 07660

Telephone (908) 482-9770 Fax ( ) E-Mail MGeier@envirogen.com

Emergency Contact(s) (24hr) Name Mike Geier Phone (908) 482-9770

Alternate Phone (201) 296-0712 E-Mail MGeier@envirogen.com

5. Project and Discharge Description (Under This Application)

A groundwater treatment system removes petroleum hydrocarbons from groundwater beneath the former Ingersoll Rand Facility in Phillipsburg, NJ. The system discharges to an outfall which ultimately discharges to Lopatcong Creek.

6. Requested NJPDES Permit Action and Other NJPDES Permits

Table A: Requested Permit Action Under This Application

DISCHARGE CATEGORY CODES	NJPDES PERMIT NUMBER	NEW	RENEW	MOD	REVOKE/REISSUE	EXPIR. DATE
B	NJ0004049			✓		10/31/13
B4B	NJ0102709	✓				

Table B: Other NJPDES Permits Associated With This Facility

DISCHARGE CATEGORY CODES	NJPDES PERMIT NUMBER	EXPIRATION DATE	PENDING
B	NJ0157538	09/30/15	

7. Favorable Consistency Determination (CD) or WQMP Amendment Approval

Only For New Facilities, Expansions or Existing Discharge Location Change

	Existing Y/N/NA	Applied for Y/N/NA
Consistency Determination		
WQMP Amendment		

8. Other Permits

If any of the following applications have been submitted for this facility/site, complete the applicable information.

Permit Type	Application No. (if assigned)	Application Status: Approved	Denied Date	Pending Date
• Potable Water Supply Well				
• Hazardous Waste Management Program				
• Prevention of Significant Deterioration (PSD)				
• Nonattainment Program, Clean Air Act				
• National Emission Standards - Hazardous Pollutants				
• Dredge/Fill Permits - Federal Act Section 404				
• Relevant Environmental Permits - Including Federal, State, & Local Approvals - Specify:				

9. Industrial Classification Code(s):

SIC Code #	NAICS Code #	Products or Service Provided by Facility/Site
3325	331513	Various.

10. Water Supply/Discharge Information

RAW WATER SOURCES: Please check ☑ all that apply.

☑ Public Water Supply: Name of the water utility Aqua NJ

☐ Private Wells

☐ Surface Water: Name of the water body(s) _____

A) Is this facility/site connected to a sanitary sewer? Yes ☑ No ☐

If yes, list name, address, and phone number of receiving wastewater treatment plant: Town of Phillipsburg Waste Water Treatment Plant

B) Does this facility discharge to a storm drainage system? Yes ☑ No ☐

If yes, please check ☑: Public ☑ Private ☐

C) Does this facility discharge to surface water? Yes ☑ No ☐

D) Does this facility discharge to ground water? Yes ☐ No ☑

E) For Sewage Treatment Plants:

i) Do you have combined sewers in your sewer service area? Yes ☐ No ☐

ii) Do you have any outfalls in the combined areas? Yes ☐ No ☐

11. Monitoring Report Form Recipient Address	12. NJPDES Permit Fees
(Check if same as No. 1 / No. 2 / No. 3)	(Check if same as No. 1 ✓ / No. 2 / No. 3)
Organization name and address: Envirogen Technologies	Organization name and address:
Contact Name: Mike Geier	Contact Name:
Phone: 908-482-9770	Phone:
Fax: 609-771-6678	Fax:
E-Mail: mgeier@envirogen.com	E-Mail:

13. Licensed Operator(s) (If Applicable)

Name Mike Geier N.J. License No. 557437

Affiliation Envirogen Technologies

Mailing Address 2 Main St.

City or Town Ridgefield Park State NJ Zip Code 07660

Telephone (908) 482-9770 Fax (609) 771-6678 E-Mail mgeier@envirogen.com

14. Applicant's Agent (Optional)

The person listed below is authorized to act as agent/representative in all matters pertaining to this application.

Name Michael Lambert Position Senior Geologist

Company Geosyntec Consultants

Mailing Address 7 Graphics Drive - Suite 106

City or Town Ewing State NJ Zip Code 08628

Telephone (609) 895-1400 Fax (609) 895-1401 E-Mail mlambert@geosyntec.co

Michael Lambert — Signature of Agent; 4/5/13 — Date; Dawn L Horst — Signature of Applicant; 4/5/13 — Date

15. Property Owner's Certification (For DGW Permits Only)

I hereby certify that _____ owns the property identified in (d.) below. The
(Property Owner's Name)
owner grants permission for the activity to be permitted under this application and authorizes the Department to conduct on-site inspections, if necessary.

In addition, I certify: (check "yes" or "no")	**YES**	**NO**
a. The activity will take place in an easement?	☐	☐
b. Part of the entire project (e.g. pipeline, disposal area, wells, etc.) is or will be located within property owned by the State of New Jersey?	☐	☐
c. Part of the entire project (e.g. pipeline, disposal area, wells, etc.) is or will be located within property owned by a municipality or county? If yes, contact the Green Acres Program at (609) 984-0500 for a determination.	☐	☐

d. Lot (s) _____ Block (s) _____

_____ Signature for Owner _____ Date

_____ Print or Type Name & Position

Note: If "yes" to statements a, b, or c, the applicant must provide evidence of obtaining permission from the other property owners (include copy with this application).

16. Electronic Communications

Are you interested in receiving com munications related to the issuance of this Permit or Authorization through electronic means? Please refer to the attached *Agreement to Do Business Electronically* on page 8 . Yes ☑ No ☐

17. Certification by Applicant

"I certify under penalty of law that this document and all attachments were prepared under m y direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of m y knowledge and belief, true, accurate, and com plete. I am aware that there are significant penalties for submitting false in formation, including the possibility of fine and imprisonment for purposely, knowingly, recklessly, or negligently submitting false information."

Dawn L Horst — Signature for Applicant; 4/5/13 — Date; Dawn L. Horst, Manager - Global Gw Programs. — Print or Type: Name and Position

Agreement to Do Business Electronically
Division of Water Quality (DWQ) Issuance of NJPDES Permit NJ 0102709

1. ***Electronic Communications*:** Communications related to the Issuance of this DWQ NJPDES Permit or Authorization under a General Permit may be presented, delivered, stored, retrieved, and transmitted electronically. By signing this agreement, you agree that the New Jersey Department of Environmental Protection (Department) may send communications to you electronically (e.g. by e-mail and/or by notification of posting at one or more websites). The term communications means any notice, record, response or approval, or other type of information that is made available to you or received from you in connection with the Permit or Authorization.

2. ***Limitations:*** This agreement is limited to the processing of the DWQ NJPDES Permit Number cited above and does not extend to other transactions that you may have before the Department nor does it affect transactions offered through the Department's internet portal.

3. ***Agreeing to Do Business Electronically*:** The decision whether to do business electronically is yours, and you should consider whether you have the required hardware and software capabilities described below.

4. ***Hardware and Software Requirements*:** In order to access and retain an electronic record of communications, you will need: a computer, a valid connection to the Internet, Internet browser software, and a valid Email address. By agreeing to do business electronically, you are confirming to us that you have the means to access, and to print or download, communications.

5. ***Withdrawal of Agreement*:** You have the right to withdraw your agreement to do business electronically at any time by notifying the Department via email to NJPDES_ADBE_signup@dep.state.nj.us, in writing by certified mail (return receipt requested) to the address below, or by other means that provide verification of the date of delivery to the Department. Any communications between us during the period after your agreement to doing business electronically, and before our receipt of your withdrawal of such agreement, will be valid and binding on all parties.

6. ***Changes to Your Contact Information*:** You must keep the Department informed of any change in your electronic mailing address or other contact information. Such changes must be submitted on an Administrative Update Form available on the Department's website at http://www.state.nj.us/dep/dwq/pdf/adm.pdf.

Phillipsburg Commerce Park
Facility Name

Dawn Horst — Contact Name
Manager - Global Environmental — Title

Signature

Date

dawn_horst@irco.com — E-Mail Address (print carefully)
732-652-6723 — Phone Number

Please complete this form in its entirety. The signed form can be scanned and emailed to NJPDES_ADBE_signup@dep.state.nj.us or, alternatively, mailed to:

Mail Code: 401-02B
Permit Administration Section
Division of Water Quality
P.O. Box 420
Trenton, New Jersey 08625-0420

INSTRUCTIONS FOR COMPLETING FORM NJPDES - 1

This form must accompany all NJPDES permit applications and Requests for Authorizations (RFA) - (excluding RFAs for Stormwater General Permits which use different forms).

1. **Applicant (s)/Operating Entities** - Provide the name, as it is legally referred to, of the operating entity(ies) that is the applicant(s) in your application for the NJPDES permit. An "operating entity" is any firm, public agency, individual, or other entity which, alone or along with other operating entities, has primary management and operational decision-making authority over any part of a facility/site.

   It is the duty of the operating entity(ies) to obtain a NJPDES permit. When a facility/site or activity is owned by one or more entities, but is currently operated by another entity(ies), it is the duty of the operating entity(ies) to obtain a NJPDES permit. If the facility/site named in Item 3 has an operating entity(ies) which is not an applicant submitting your application, attach an additional sheet that contains a statement to that effect and as much Item 1 information as you have about that operating entity(ies).

   Provide the mailing address of the applicant(s). If the mailing address is outside the United States, provide the correct foreign mailing address. Provide the 9-digit Federal Tax Identification Number (also called Federal Identification Number) assigned to the applicant(s) by the IRS for tax reporting purposes. Provide the telephone number and e-mail address of the applicant(s). If the applicant(s) has a parent corporation(s), provide that parent corporation's name, place of incorporation, contact person and contact person's e-mail address.

2. **Property/Land Owner(s) -** Provide the legal name of the owner(s) of the property/land upon which the discharge is controlled and/or taking place. A "Property" includes all contiguous lots and blocks, including vacant land, owned or otherwise under the control of the owner or operating entity of the regulated facility. Provide an owner contact person, telephone number and email address for the contact person. NOTE: For all DGW applications, the property owner where the discharge takes place must also sign item 14.

3. **Location of Facility/Site -** Provide the location of the facility/site. Street number and name must be used (PO Box numbers will not be acceptable). Use the municipality and county where the facility/site is physically located. Do not use local or neighborhood names. Please provide the lot and block numbers.

4. **Facility Contact -** Identify a person the Department can contact for facility/site related information. This person should be familiar with the content of the application. Include a telephone number, fax number and an email address. Also, please provide at least one emergency contact person (available 24 hours/day) with telephone numbers and email addresses.

5. **Project and Discharge Description (Under This Application) -** Provide a brief description of the project relating to this application (e.g., municipal sewage treatment plant, factory, shopping center, school, housing development, restaurant, etc.). For each discharge which is the subject of this application, provide the general type of waste discharged (e.g., sanitary, industrial, sludge, etc.) including non-contact cooling water. If requesting a modification to your permit, state the reason for such.

6. **Requested NJPDES Permitting Action and Other NJPDES Permits -** Under Table A, for each requested permit action under this application, list each discharge activity associated with this facility/site in the left column using the discharge activity category codes listed in the Discharge Activity Category Sheet (i.e., A, A8, CSO, etc.) and check the requested permit action (new, renewal, etc.). Under Table B, list currently held permits and/or pending applications for this facility/site. For existing permits, list permit number(s) and expiration date.

7. **Consistency Determination (CD)** – For new facilities, expansions or existing discharge location changes, submit evidence that a Water Quality Management Plan (WQMP) amendment approval, or favorable CD has been applied for and/or received; or indicate the reasons otherwise.

8. **Other Permits -** This section provides the Department with a facility's permitting status and history. Next to each permit type, list the application number and the date of the approval or denial in the appropriate column. If the application is still pending, place a check in the far right hand column.

9. **Standard Industrial Classification Code -** List, in descending order of priority, up to four 4-digit Standard Industrial Classification (SIC) codes or the North American Industrial Classification System (NAICS) which best reflect the principal products or services provided by the facility/site. The following websites are available to research these codes: **http://www.osha.gov/pls/imis/sic_manual.html** (SIC only) **http://www.census.gov/epcd/naics02/** and **http://www.naics.com/search.htm** (look at "Crosswalks" on the right side).

10. **Water Supply/Discharge Information** – Provide pertinent information.

11. **Monitoring Report Form (MRF) Recipient** – If you wish to receive MRF notices at a different address than #1, complete #11.

12. **NJPDES Permit Fees Recipient** – If you wish to receive Billing Notices at a different address than #1, complete #12.

13. **Licensed Operator (If Applicable) -** Provide information pertaining to all licensed operator(s) of the treatment work(s).

14. **Applicant's Agent (Optional) -** Identify the person who is authorized to act as agent/representative in all matters pertaining to this application. Both the agent and the authorized official of the applicant must sign.

15. **Property Owner's Certification (For DGW Permits Only) -** Provide this certification for the property where the discharge takes place.

16. **Electronic Communications** – If you wish to do business with the Department through electronic means, please check "yes" and refer to the Agreement to Do Business Electronically on page 8.

17. **Certification by Applicant -** The certification must be made by the applicant(s) for the NJPDES permit. The applicant(s) is the operating entity(ies) for the facility/site (see item 1 instructions).

WHO MUST SIGN?

A Responsible Official is defined in N.J.A.C. 7:14A – 4.9 in part as follows:

For a corporation: A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities, provided:
(1) The manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of recommending major capital investment, initiating and directing comprehensive measures to assure long term compliance with environmental laws and regulations, and ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; or
(2) The authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

For a partnership or sole proprietorship: A general partner or the proprietor.

For a government agency: A ranking elected official; or the chief executive officer of the agency; or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator).

A duly authorized representative.

Should you need assistance in completing the application, please call the appropriate phone number listed below:

- Discharges to Surface Water (Industrial)
  (609) 292-4860
- Discharges to Surface Water (Municipal)
  (609) 292-4860
- Discharges to Surface Water (Stormwater)
  (609) 633-7021
- Sludge and Residuals Issues
  (609) 633-3823
- Discharge to Sanitary Sewer (SIU)
  (609) 633-3823
- Discharges to Ground Water
  (609) 633-7021

Discharge Category Codes

For completing the left columns in the NJPDES 1 Form, item 6, tables A and B

Discharge to Surface Water (DSW)
• **A** Domestic Surface Water Discharge
• **CSO** Combined Sewer Overflow
• **B** Industrial/Commercial/Thermal DSW
• **ABR** General Reclaimed Water for Beneficial Reuse Permit Authorization
• **B4B** GW Petroleum Products Cleanup GP
• **BGR** General Remediation Clean-up GP
• **CG** Non-Contact Cooling Water GP
• **BPW** Consolidated Potable Water Treatment Plant GP
• **ASC** Consolidated School Permit
• **PGP** Pesticide Application Discharge GP
Discharge to Ground Water (DGW)
• **GW** Discharge to Ground Water
• **T1** GP Sanitary Subsurface Disposal
• **I1** GP Stormwater Basins/Sanitary Landfill
• **I2** GP Potable Water Treatment Plant Basins/Drying Beds
• **LSI** Lined Surface Impoundment
• **K2** GP Dental Facilities Onsite Wastewater Treatment Systems
Discharge to Sanitary Sewer (SIU)
• **L** Discharge to Sanitary Sewer (SIU)
Residuals
• **D** Land Application of Biosolids - Class B
• **V** Land Application of Biosolids - Class A
• **E** Land Application of Industrial Residuals
• **Z** Residuals Transfer Facilities
• **04** Residuals Phragmites Reed Beds
• **EG** Land Application Food Processing Residual GP
• **ZG** Residuals Transfer Facilities GP
• **4G** Residuals Phragmites Reed Beds GP
• **S4G** Sludge Quality GP – Category 4
Stormwater Discharges
• **RF** Stormwater
General Stormwater Discharges:
• **CPM** Concrete Products Management GP
• **SM** Scrap Metal Processing/Auto Recycling GP
• **5G2** Stormwater Basic GP
• **5G3** Construction Activity Stormwater GP
• **R4** Hot Mix Asphalt Producers GP
• **R5** Newark Airport Complex GP
• **R7** Wood Recyclers
• **R8** Concentrated Animal Feeding Operations (CAFO) GP
• **R9** Tier A Municipal Stormwater GP
• **R10** Tier B Municipal Stormwater GP
• **R11** Public Complex Stormwater GP
• **R12** Highway Agency Stormwater GP
• **R13** Mining and Quarring Activity GP

Form 2

Supplemental Application Form to NJPDES

Reset Form

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER QUALITY

SUPPLEMENTAL APPLICATION FORM TO NJPDES-1 – Discharge to Surface Water (DSW) Permit
CATEGORY B4B- (General Groundwater Petroleum Product Cleanup)
CATEGORY BGR (General Groundwater Non-Petroleum Product Cleanup)

Please provide a cover letter, NJPDES-1 form and this form to complete a Request for Authorization (RFA) for any new or renewal B4B or BGR NJPDES DSW Permit. Provide all applicable information. Please print or type (attach additional sheets if necessary). Please contact the Bureau of Surface Water Permitting at (609) 292-4860 with any questions on this form.

If you would like to do business electronically, please complete and submit the "Agreement To Do Business Electronically" form that is included with the NJPDES-1 form.

1. FACILITY NAME: Phillipsburg Commerce Park / Former Ingersoll Rand Facility	**2. NJPDES NO. :** (New Applicant Leave Blank) NJ: 0004049

3. THE PERMIT APPLICATION SHALL INCLUDE THE FOLLOWING ATTACHMENTS:

A. FACILITY DIAGRAM (Show facility and location of discharge)
B. TREATMENT FLOW DIAGRAM (Show water flow and treatment)
C. USGS MAP (U.S. Geological Survey Topographic Map, 7.5 minute Quadrangle Series) (Show facility and location of discharges to streams, storm sewers, and storm sewer discharges to streams as applicable)

4. Outfall Information:

OUTFALL NUMBER	LATITUDE (deg., min., sec.)	LONGITUDE (deg., min., sec.)	Conveyances (pipe, storm drain, ditch, other)	RECEIVING WATER (name and classification)
DSN001A				
DSN002A	75°9'56.4272"W	40°41'26.0465"N	pipe/ditch	Lopatcong Creek - FW2-NT
DSN003A				
DSN004A				
DSN005A				

5. Duration of Discharge:

OUTFALL NUMBER	START AND END DATE (Month/Year) (for temporary discharges)		FREQUENCY	
DSN001A	Start Date:	End Date:	Days Per Week: 7	Hours Per Day: 12
DSN002A	Start Date:	End Date:	Days Per Week:	Hours Per Day:
DSN003A	Start Date:	End Date:	Days Per Week:	Hours Per Day:
DSN004A	Start Date:	End Date:	Days Per Week:	Hours Per Day:
DSN005A	Start Date:	End Date:	Days Per Week:	Hours Per Day:

6. Contaminant/Treatment Information

a) List Source(s) Of Groundwater Contamination (i.e. Leak from a #2 Fuel Oil Underground Storage Tank):

Storage tank refill overflow

b) Summarize Contaminants of Concern- Attach the laboratory data (results only) of at least **ONE REPRESENTATIVE SAMPLE OF UNTREATED GROUNDWATER**, including but not limited to, from a recovery well, monitoring well and from an excavation. Volatiles, Acid Compounds, Base Neutral, Pesticides and Dioxin, Metals and Cyanide, Total Phenols, Methyl-*Tert*-Butyl Ether (MTBE) and *Tert*-Butyl-Alcohol (TBA) must be analyzed. See the attached list of required parameters to be sampled. The applicant may use historical data, as long as it is representative of the proposed discharge and provided that the data was collected no more than 12 months prior to the submittal of this application. Summarize Contaminants of Concern here:

petroleum hydrocarbons

c) Describe the treatment system (estimate proposed flow if data is not available):

OUTFALL NUMBER	NAME OF OPERATION OR PROCESS (i.e. Groundwater Remediation)	AVERAGE DAILY AND MAX. DESIGN FLOW (MGD or GPD)	Treatment Technologies (i.e. Frac. Tank, Air Stripper, GAC Filter, etc.)
DSN001A			
DSN002A	Groundwater Remediation	3000 GPD AVG 75000 GPD MAX	Oil/water separation / carbon / organoclay filtration
DSN003A			
DSN004A			
DSN005A			

7. EVIDENCE OF APPLICATION SUBMISSION TO THE AFFECTED SEWERAGE ENTITY(IES) AND MUNICIPALITY: Applicable for **NEW discharges or activities or for a change in the location or method of discharge for EXISTING discharges.** Submit copies of the signed and dated notices that were sent along with this application to the affected sewerage entity(ies) and municipality via certified mail return receipts requested or by other means of verification, and copies of the dated certified mail return receipts or other means of verification of receipt.

NOTE: Prior to submitting the application to the Department, submit the following to the affected sewerage entity(ies) and municipality in accordance with N.J.A.C. 7:14A-4.3(a)13:

1. A copy of the Application.
2. A written notice (certified mail return receipt requested or by other means which allows verification of the fact and date of receipt) that the sewerage entity(ies) and municipality must submit to the Department written comments regarding or objections to the proposed discharge or activity within 30 days of receipt of said notice. The Department shall consider these comments in determining whether to issue an authorization. The Department can proceed with the authorization even if comments are not submitted.

8. PUBLIC NOTICE: The permittee is required to publish the following in a daily or weekly newspaper within the affected area for one day to request authorization under the General Permit pursuant to N.J.A.C. 7:14A- 6.13(d)3:

"Notice is hereby given that pursuant to N.J.A.C. 7:14A-6.13(d)3, Ingersoll Rand Company *[name of applicant] intends to submit a request for authorization under the General Groundwater* Petroleum Product Clean-Up Permit No. NJ0102709 *[Petroleum Product Clean-up Permit, No.NJ0102709 or Non Petroleum Product, No. NJ0155438] to the N.J. Department of Environmental Protection. This authorization will allow* Phillipsburg Commerce Park, 942 Memorial Parkway, Phillipsburg, NJ 08865 *[name and address of facility] to discharge decontaminated groundwater from remediation projects into select surface waters of the State."*

Please submit documentation that a public notice has been completed (attach signed letter or copy of public notice).

FACILITY NAME: Phillipsburg Commerce Park / Former Ingersoll Rand Facility

9. TREATMENT WORKS APPROVAL: Prior to discharge and upon issuance of a Final permit, a General Industrial Treatment Works Approval (GI TWA) may be required for the construction of a treatment works (N.J.A.C. 7:14A-22) which will enable you to meet limits and conditions of the NJPDES permit. If you have any questions or comments regarding the TWA, please contact the General Industrial TWA Permits Section of the Bureau of Construction and Connection Permits at (609) 984-4429.

10. RESIDUALS APPLICATION FORM R GENERATOR – INDUSTRIAL Contact the Bureau of Pretreatment and Residuals at (609) 633-3823 with questions. For BGR applications **only**.

11. STORM DRAINAGE SYSTEMS UNDER THE JURISDICTION OF THE NJDOT If the applicant will make an attachment or install drainage facilities to any NJDOT storm drainage system or within the state highway system, it shall contact the appropriate NJDOT office below:

Northern Office 973-601-6625-5140, Counties: Bergen, Essex, Hudson, Morris, Passaic, Sussex, Union and portions of Warren (North of Route 57 only)

Central Office 732-625-4330, Counties: Hunterdon, Mercer, Middlesex, Monmouth, Ocean, Somerset and portions of Warren (Routes 22, 122, 173, 78 and including south of Route 57 only)

Southern Office 856-486-6688, Counties: Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester , and Salem

12. CERTIFICATION BY THE APPLICANT:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for purposely, knowingly, recklessly or negligently submitting false information."

NAME (Type or Print)		TITLE (Type or Print)	
Dawn C. Horst		Manager, Global Env. Programs	
SIGNATURE	DATE	PHONE NUMBER	EMAIL ADDRESS
Dawn C. Horst	4/5/13	732-652-6723	dawn-horst@irco.com

For Ingersoll-Rand Company

NAME OF APPLICANT/OPERATING ENTITY (Type or Print)

SUBMIT THIS FORM ALONG WITH A COVER LETTER, THE NJPDES-1 FORM AND NECESSARY ATTACHMENTS TO:

Mail Code 401-02B
Permit Administration Section
Division of Water Quality
PO Box 420
Trenton, New Jersey 08625-0420

ORGANIC TOXIC POLLUTANTS IN EACH OF FOUR FRACTIONS IN ANALYSIS BY GAS CHROMATOGRAPHY/MASS SPECTROSCOPY (GC/MS)

Volatiles

Acrolein
Acrylonitrile
Benzene
Bromoform
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane (Dibromochloromethane)
Chloroethane
2-Chloroethylvinyl Ether
Chloroform
Dichlorobromomethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethylene
1,2-Dichloropropane
1,3-Dichloropropylene
Ethylbenzene
Methyl Bromide
Methyl Chloride
Methylene Chloride
1,1,2,2-Tetrachloroethane
Tetrachloroethylene
Toluene
1,2-trans-Dichloroethylene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethylene
Vinyl Chloride

Acid Compounds

2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
4,6-Dinitro-O-Cresol
2,4-Dinitrophenol
2-Nitrophenol
4-Nitrophenol
P-Chloro-M-Cresol
Pentachlorophenol
Phenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

Base/Neutral

Acenaphthene
Acenaphthylene
Anthracene
Benzidine
Benzo(a)Anthracene
Benzo(a)Pyrene
3,4-Benzofluoranthene
Benzo(ghi)Perylene
Benzo(k)Fluoranthene
Bis (2-Chloroethoxy) Methane
Bis (2-Chloroethyl) Ether
Bis (2-Chloroisopropyl) Ether
Bis (2-Ethylhexyl) Phthalate
4-Bromophenyl Phenyl Ether
Butyl Benzyl Phthalate
Chloride
2-Chloronaphthalene
4-Chlorophenyl Phenyl Ether
Chrysene
Dibenzo (a,h) Anthracene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'-Dichlorobenzidine
Diethyl Phthalate
Dimethyl Phthalate
Di-N-Butyl Phthalate
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Di-N-Octyl Phthalate
1,2-Diphenylhydrazine(as Azobenzene)
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1,2,3-cd) Pyrene
Isophorone
Naphthalene
Nitrobenzene
N-Nitrosodiethylamine
N-Nitrosodimethylamine
N-Nitrosodi-N butylamine
N-Nitrosodi-N-Propylamine (Di-N-Propylnitrosamine)
N-Nitrosodiphenylamine
N-Nitrosopyrrolidine
Pentachlorobenzene
Phenanthrene
Pyrene
1,2,4,5Tetrachlorobenzene
1,2,4-Trichlorobenzene

Pesticides and Dioxin

Aldrin
Alpha-BHC
Beta-BHC
Gamma-BHC (Lindane)
Delta-BHC
Chlordane
Chlorpyrifos
4,4'-DDT
4,4'-DDE
4,4'-DDD
Demeton
Dieldrin
Alpha-Endosulfan
Beta-Endosulfan
Endosulfan Sulfate
Endosulfans, Total (alpha and beta)
Endrin
Endrin Aldehyde
Guthion
Heptachlor
Heptachlor Epoxide
Malathion
Methoxychlor
Mirex
Parathion
PCB-1242, PCB-1254
PCB-1221, PCB-1232
PCB-1248, PCB-1260
PCB-1016
Toxaphene
Polychlorinated biphenyls (PCBs)
2,3,7,8 Tetrachlorodibenzo-p-dioxin (TCDD) [1]

1 *It is acceptable to use the screening procedure for 2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin (TCDD) using Method 625. Please note that Method 625 is approved for TCDD screening only and is not to be used for quantitation. Should TCDD be detected using Method 625, then Method 613, or another approved test procedure, must be used to conclusively determine the pollutant's presence and concentration level.*

OTHER TOXIC POLLUTANTS (*METALS AND CYANIDE*) AND TOTAL PHENOLS

Antimony,Total
Arsenic, Total
Beryllium, Total
Cadmium, Total
Chromium, Total
Copper, Total
Lead, Total
Mercury, Total
Nickel, Total
Selenium, Total
Silver, Total
Thallium, Total
Zinc, Total
Cyanide, Total
Phenols, Total

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS REQUIRED TO BE TESTED *IF EXPECTED TO BE PRESENT*

Fecal Coliform
Radioactivity
Iron, Total

ADDITIONAL PARAMETERS REQUIRED AS PART OF THE B4B AND BGR APPLICATION

Methyl-*Tert*-Butyl Ether (MTBE)
Tert-Butyl-Alcohol (TBA)

Figure 1

Facility Diagram

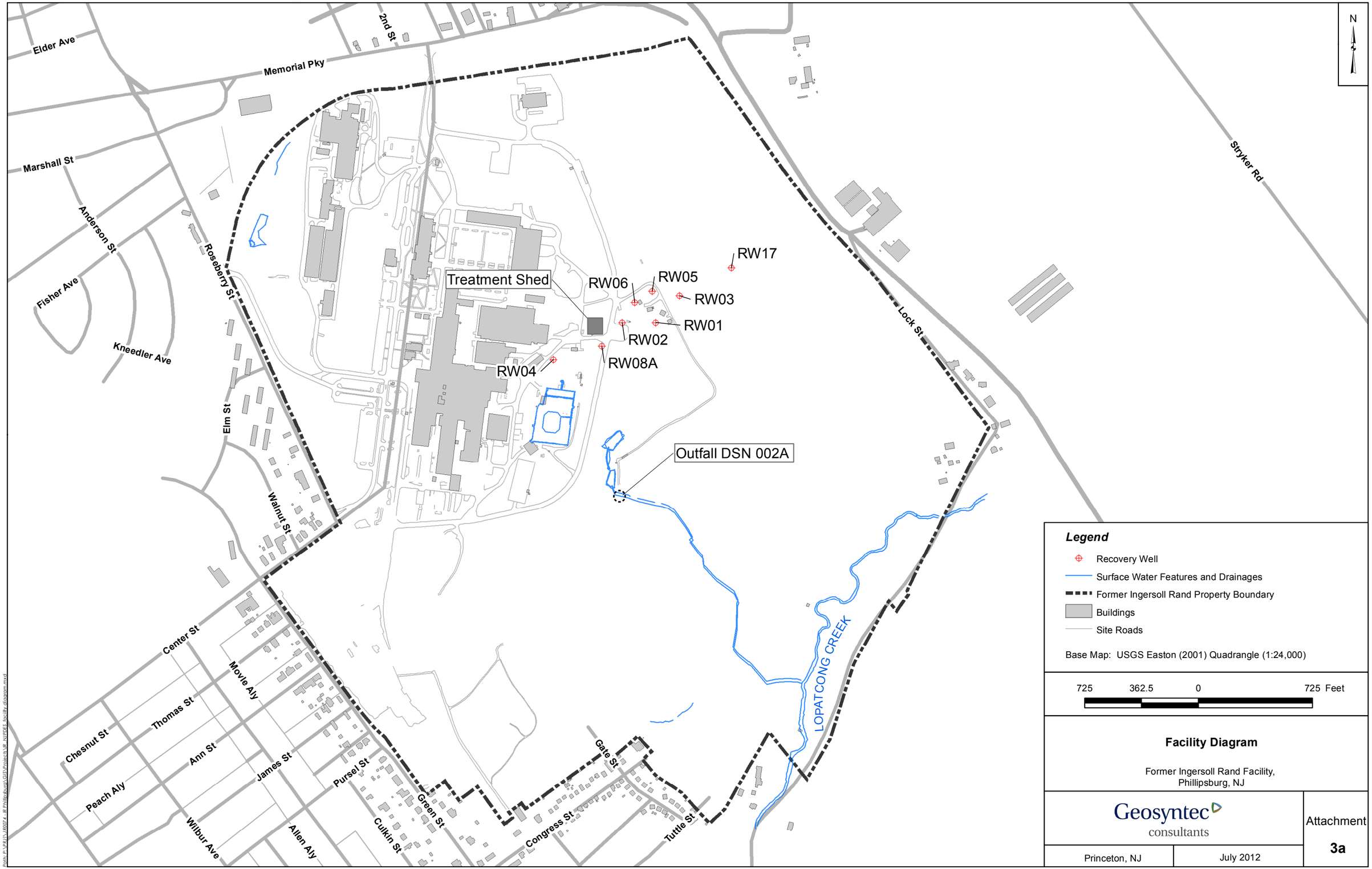
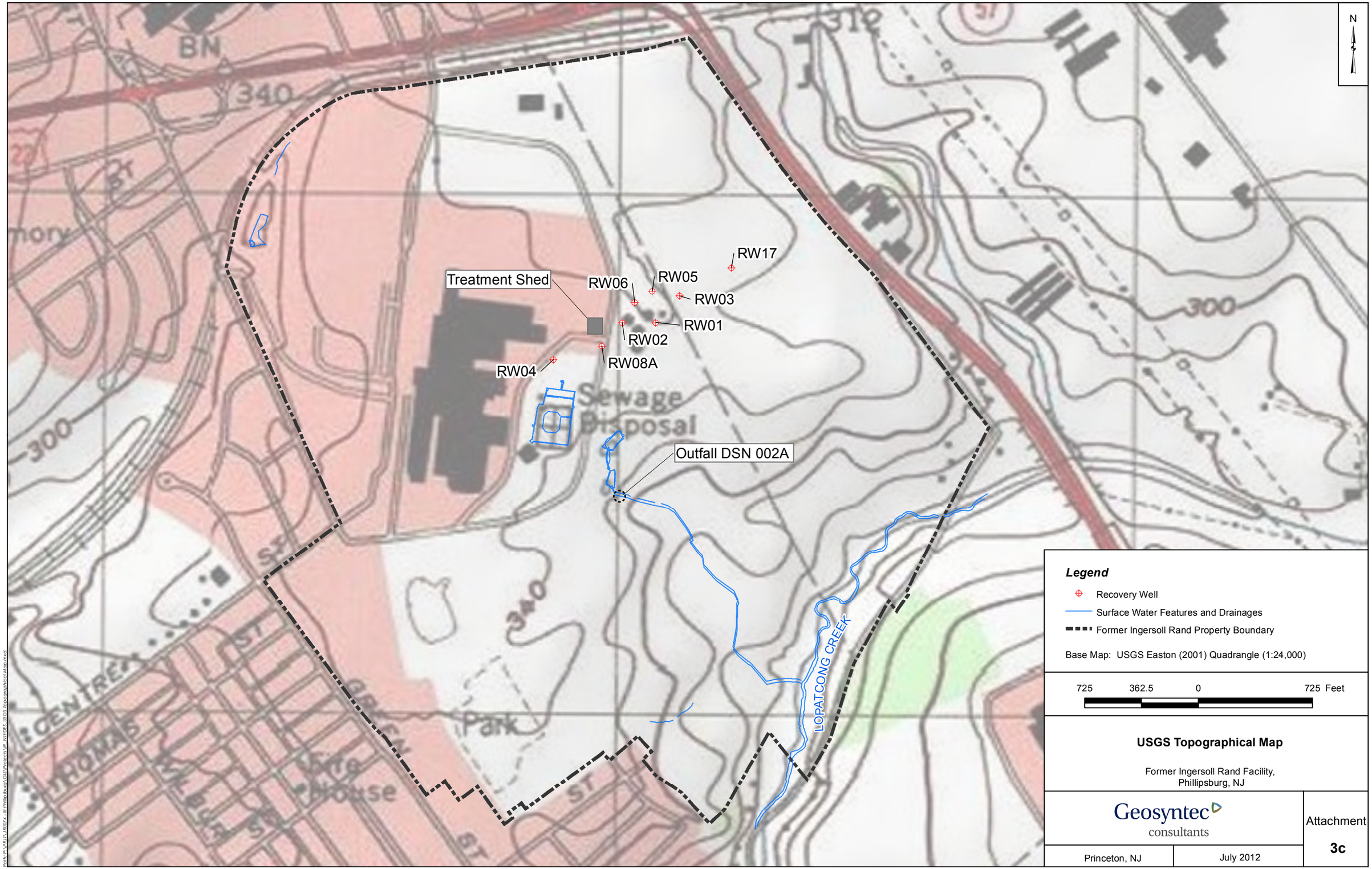

N
Elder Ave
Memorial Pky
2nd St
Marshall St
Anderson St
Fisher Ave
Kneedler Ave
Roseberry St
Elm St
Walnut St
Stryker Rd
Lock St
Treatment Shed
RW06
RW05
RW17
RW03
RW01
RW02
RW08A
RW04
Outfall DSN 002A
LOPATCONG CREEK
Center St
Movie Aly
Thomas St
Chesnut St
Ann St
Peach Aly
James St
Pursel St
Green St
Gate St
Congress St
Tuttle St
Wilbur Ave
Allen Aly
Culkin St
Legend
Recovery Well
Surface Water Features and Drainages
Former Ingersoll Rand Property Boundary
Buildings
Site Roads
Base Map: USGS Easton (2001) Quadrangle (1:24,000)
725 362.5 0 725 Feet
Facility Diagram
Former Ingersoll Rand Facility,
Phillipsburg, NJ
Geosyntec consultants
Princeton, NJ
July 2012
Attachment
3a

Figure 2

USGS Topographical Map



USGS Topographical Map

Former Ingersoll Rand Facility,
Phillipsburg, NJ

Geosyntec consultants

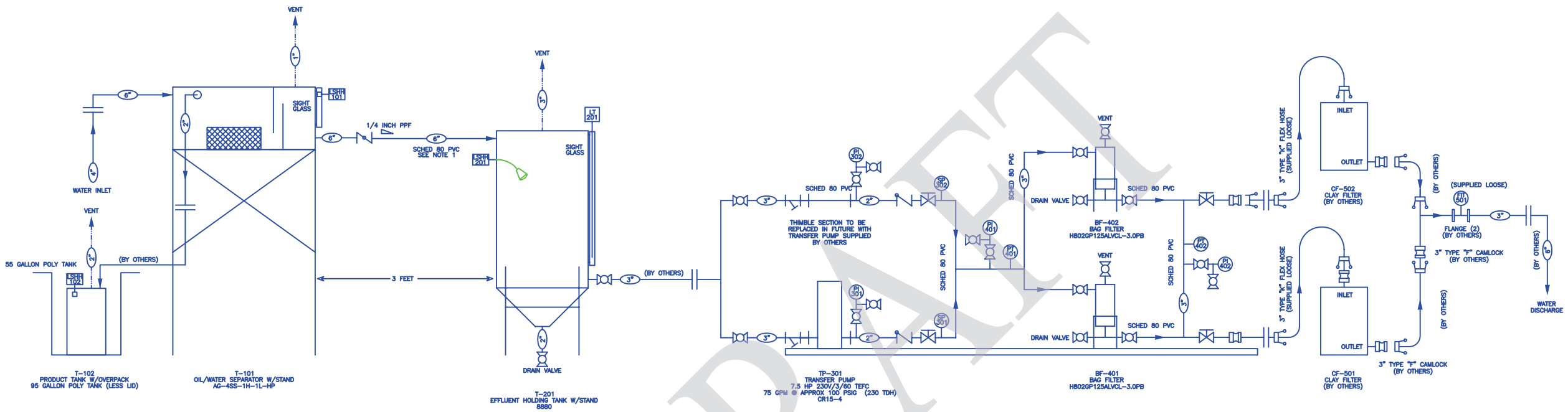
Princeton, NJ | July 2012

Attachment **3c**

Path: P:\PRJ\JR0074 - IR Phillipsburg\GIS\Project\IR_NJPDES_USGS Topographical Map.mxd

Figure 3

Treatment Flow



INSTRUMENTATION SCHEDULE			
REF. NO.	DESCRIPTION	PART NO.	SET POINT/RANGE
LSHH-101	LEVEL SWITCH HIGH HIGH LEVEL	NES P-901	SEE DRAWING
LSHH-102	LEVEL SWITCH HIGH HIGH LEVEL	NES P-902	SEE DRAWING
LSHH-201	LEVEL SWITCH HIGH HIGH LEVEL	MGRE-40T	NORMALLY CLOSED
LT-201	LEVEL TRANSMITTER	XT-600	0-57.5 INCHES (4-20mA)
PI-301	PRESSURE INDICATOR	71006-G100	0 - 100 PSIG
PI-302	PRESSURE INDICATOR	71006-G100	0 - 100 PSIG
PI-401	PRESSURE INDICATOR	71006-G100	0 - 100 PSIG
PI-402	PRESSURE INDICATOR	71006-G100	0 - 100 PSIG
PT-401	PRESSURE TRANSMITTER	IS625-10-GH-PT-E1-S1	0-100 PSIG (4-20mA)
PT-402	PRESSURE TRANSMITTER	IS625-10-GH-PT-E1-S1	0-100 PSIG (4-20mA)
FIT-501	FLOW INDICATING TRANSMITTER	3-8550-1/3-8515-PO	0-150 GPM (4-20mA)

NOTE:

1. OIL/WATER SEPARATOR OUTLET TO EFFLUENT HOLDING TANK IS APPROXIMATELY 3"-0.00" APART. NES TO PROVIDE INTERCONNECTING PIPE WITH PITCH FOR GRAVITY DRAIN.

DRAFT

LEGEND

FIT	FLOW INDICATING TRANSMITTER
LSHH	LEVEL SWITCH HIGH HIGH
LT	LEVEL TRANSMITTER
PI	PRESSURE INDICATOR
PSH	PRESSURE SWITCH HIGH
PT	PRESSURE TRANSMITTER
SP	SAMPLE PORT
	BALL VALVE
	BUTTERFLY VALVE
	CAMLOCK DUST CAP
	CAMLOCK FEMALE
	CAMLOCK MALE
	CHECK VALVE
	FLANGE
	GATE VALVE
	WYE STRAINER
	AIR LINE
	WATER LINE
	BREAK

ALARMS

1. OIL/WATER SEPARATOR HIGH HIGH LEVEL
2. PRODUCT TANK HIGH HIGH LEVEL
3. EFFLUENT HOLDING TANK HIGH HIGH LEVEL
4. BAG FILTERS HIGH PRESSURE
5. CLAY FILTER HIGH PRESSURE

REV.	DESCRIPTION	DATE	APPR.
	REVISIONS		

CONFIDENTIALITY NOTE:
The information contained in this drawing is intended for use only by National Environmental Systems and AECOM. The information is confidential and any copying, distribution or dissemination without the consent of National Environmental Systems is strictly prohibited.

NES™ NATIONAL ENVIRONMENTAL SYSTEMS
36 Maple Avenue – Seekonk, Massachusetts
508-761-6611 (Phone) / 508-761-6898 (Fax)

DRWN BY PRS DATE 3-18-09
CHK BY DATE
APPR BY DATE

TITLE
WASTEWATER TREATMENT SYSTEM
PROCESS & INSTRUMENTATION DIAGRAM

AECOM
PHILLIPSBURG COMMERCE PARK PROJECT
JOB NO. 08-235

SCALE	SIZE	DWG NO.	SHEET	REV
N/A	D	08-235-P-AB	1 OF 1	A

Table 1

Summary of Analytical Detections- Influent Sample

Phillipsburg, NJ Groundwater Treatment System
Summary of Analytical Detections - Influent Sample
TestAmerica Laboratories, Inc. - 460-52642-1

Sample ID	**INFLUENT**		
Lab Sample Number	**460-52642-1**		
Sampling Date	**03/20/2013 06:30:00**		
Matrix	**Water**		
Units	**ug/L**		
Volatiles - 624	**ND**		
Semivolatiles - 625			
Acenaphthene	5.5	J	
Acenaphthylene	1.1	J	
Anthracene	0.62	J	
Fluoranthene	0.11	J	
Fluorene	6.9	J	
Phenanthrene	6.2	J	
Pyrene	0.38	J	
Total Conc	20.81		
GC Semivolatiles - 608			
alpha-BHC	0.0018	p	
gamma-BHC (Lindane)	0.0040		
delta-BHC	0.00078	J p	
4,4'-DDT	0.0019		
Heptachlor	0.0014		
GC Semivolatiles - 8141A	**ND**		
Metals			
Iron	8400		
Wet Chemistry			
Chloride - mg/L	100		

--: Not Analyzed

* : LCS or LCSD exceeds the control limits

U : Indicates the analyte was analyzed for but not detected.

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

p : The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

ND : No Detections

Attachment 1

Express-Times Notice

+Proof of Publication Notice in The Express Times
Under Act No. 587, approved May 16, 1929

State of Pennsylvania
County of Northampton

Jill Machado being duly sworn, deposes and says that The Express Times is a daily newspaper published at 30 N. 4th St, Northampton County, Easton, Pennsylvania which was established in the year 1855, since which date said daily newspaper has been regularly published and distributed in said County, and that copy of the printed notice of publication is attached hereto exactly as the same was printed and published in the regular editions and issues of said daily newspaper on the following date

April 3, 2013

Affiant further deposes and says that she is an employee of The publisher of said newspaper and has been authorized to Verify the foregoing statement and that she is not interested In the subject matter of the aforesaid notice of publication, and that all allegations in the foregoing statement as to time, place and character of publication are true.

Jill Machado

Sworn to and subscribed before me
this 4th. Day of April, 2013

Pamela J. James
Notary Public
My Commission Expires:

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Pamela J. James, Notary Public
City of Easton, Northampton County
My Commission Expires Sept. 26, 2013
Member, Pennsylvania Association of Notaries

LEGAL AD

Notice is hereby given that pursuant to N.J.A.C. 7:14A-6.13(d)3, Ingersoll Rand Company intends to submit a request for authorization under the General Groundwater Petroleum Product Clean-Up Permit No. NJ0102709 to the N.J. Department of Environmental Protection. This authorization will allow Phillipsburg Commerce Park, 942 Memorial Parkway, Phillipsburg, NJ 08865 to discharge decontaminated groundwater from remediation projects into select surface waters of the State.

LEGAL AD NOTICE IS HEREBY GIVEN THAT PURSUANT TO N.J.A.C

LEGAL AD Notice is hereby given that pursuant to N.J.A.C. 7:14A-6.13(d)3, Ingersoll Rand Company intends to submit a request for authorization under the General Groundwater Petroleum Product Clean-Up Permit No. NJ0102709 to the N.J. Department of Environmental Protection. This authorization will allow Phillipsburg Commerce Park, 942 Memorial Parkway, Phillipsburg, NJ 08865 to discharge decontaminated groundwater from remediation projects into select surface waters of the State.

Appeared in: ***The Express-Times*** on Wednesday, 04/03/2013

Powered by myPublicNotices.com

Attachment 2

Delegation Authority

Corporate Center
800-E Beaty Street
Davidson, NC 28036
Tel: (704) 655-5714

www.ingersollrand.com

April 30, 2012

Bureau of Case Assignment & Initial Notice
Site Remediation Program
New Jersey Department of Environmental Protection
401-05H
PO Box 420
Trenton, New Jersey 08625-0420

RE: Delegation of Authority for Retention of Licensed Site Remediation Professional
Former Ingersoll Rand facility, Phillipsburg, New Jersey
Program ID No. 012833

Dear Sir/Madam:

The undersigned, being the Senior Vice President and General Counsel of Ingersoll-Rand Company (the "Company"), does hereby authorize Dawn Horst, Manager, Global Environmental Programs, to execute and deliver in the name and on behalf of this Company to the New Jersey Department of Environmental Protection any reports, information, or applications to be signed by an authorized representative in the above referenced matter. Miss Horst is responsible for environmental remediation of the referenced site, and is personally familiar with this matter.

If you have any questions regarding this matter, please contact Dawn Horst at (732) 652-6723.

Very truly yours,

Robert Katz
Senior Vice President and General Counsel

cc: Dawn Horst

Attachment 3

Analytical Lab Report

ANALYTICAL REPORT

Job Number: 460-52642-1

Job Description: IR-Phillipsburg

For:
Envirogen Technologies Inc
1117 Rt. 31
Suite 5
Lebanon, NJ 08833

Attention: Mr. Mike Geier

Approved for release.
Thomas Tanico
Department Manager II
3/28/2013 9:15 AM

Thomas Tanico
Department Manager II
thomas.tanico@testamericainc.com
03/28/2013

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

TestAmerica Laboratories, Inc.
TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com

Table of Contents

Cover Title Page 1

Data Summaries 6

Report Narrative 6

Sample Summary 8

Executive Summary 9

Method Summary 10

Method / Analyst Summary 11

Sample Datasheets 12

Surrogate Summary 24

QC Data Summary 29

Data Qualifiers 58

QC Association Summary 59

Lab Chronicle 64

Organic Sample Data 69

GC/MS VOA 69

Method 624 69

Method 624 QC Summary 70

Method 624 Sample Data 78

Standards Data 82

Method 624 ICAL Data 82

Method 624 CCAL Data 94

Raw QC Data 97

Method 624 Tune Data 97

Method 624 Blank Data 106

Method 624 LCS/LCSD Data 110

Method 624 MS/MSD Data 117

Table of Contents

Method 624 Run Logs 121

GC/MS Semi VOA 124

Method 625 124

Method 625 QC Summary 125

Method 625 Sample Data 137

Standards Data 154

Method 625 ICAL Data 154

Method 625 CCAL Data 172

Raw QC Data 175

Method 625 Tune Data 175

Method 625 Blank Data 188

Method 625 LCS/LCSD Data 200

Method 625 Run Logs 216

Method 625 Prep Data 218

GC Semi VOA 221

Method 608 221

Method 608 QC Summary 222

Method 608 Sample Data 240

Standards Data 271

Method 608 ICAL Data 271

Method 608 PEM Data 314

Method 608 CCAL Data 332

Raw QC Data 358

Method 608 Blank Data 358

Method 608 LCS/LCSD Data 373

Method 608 Run Logs 403

Table of Contents

Method 608 Prep Data 410

Method 8141A 411

Method 8141A QC Summary 412

Method 8141A Sample Data 422

Standards Data 435

Method 8141A ICAL Data 435

Method 8141A CCAL Data 449

Raw QC Data 465

Method 8141A Blank Data 465

Method 8141A LCS/LCSD Data 479

Method 8141A Run Logs 501

Method 8141A Prep Data 503

Inorganic Sample Data 504

Metals Data 504

Met Cover Page 505

Met Sample Data 506

Met QC Data 508

Met ICV/CCV 508

Met CRQL 511

Met Blanks 512

Met ICSA/ICSAB 516

Met MS/MSD/PDS 518

Met Dup/Trip 521

Met LCS/LCSD 523

Met Serial Dilution 525

Met MDL 527

Table of Contents

Met Linear Ranges 531

Met Preparation Log 532

Met Analysis Run Log 534

Met ICP/MS Int Stds 539

Met Prep Data 541

General Chemistry Data 544

Gen Chem Cover Page 545

Gen Chem Sample Data 546

Gen Chem QC Data 548

Gen Chem ICV/CCV 548

Gen Chem Blanks 552

Gen Chem MS/MSD/PDS 553

Gen Chem LCS/LCSD 555

Gen Chem MDL 559

Gen Chem Preparation Log 565

Gen Chem Analysis Run Log 568

Gen Chem Prep Data 573

Shipping and Receiving Documents 580

Client Chain of Custody 581

Sample Receipt Checklist 583

CASE NARRATIVE

Client: Envirogen Technologies Inc

Project: IR-Phillipsburg

Report Number: 460-52642-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 03/20/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.1 C.

The cyanide sample was received unpreserved. At the client's request, the sample was preserved at the lab.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TOTAL RECOVERABLE METALS (ICP/MS)

Sample 460-52642-1 was analyzed for total recoverable metals (icp/ms) in accordance with EPA Method 200.8. The samples were prepared on 03/22/2013 and analyzed on 03/25/2013.

As a standard practice all non-potable samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Sample 460-52642-1 was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared and analyzed on 03/21/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

ORGANOCHLORINE PESTICIDES-PCBS

Sample 460-52642-1 was analyzed for organochlorine pesticides-PCBs in accordance with EPA Method 608. The samples were prepared on 03/21/2013 and analyzed on 03/22/2013, 03/25/2013 and 03/26/2013.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 66997 exceeded control limits for the following analytes: DDD, DDT, and Endosulfan Sulfate. DDD and Endosulfan Sulfate were nondetect. DDT has a small hit just over the reporting limit; however, RPD was barely over limit.

The continuing calibration verification (CCV) that followed these sample failed low for several analytes. Samples were run multiple times with the same result. Best results are reported.

No other difficulties were encountered during the pesticides-pcb analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample 460-52642-1 was analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 03/21/2013.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Tetrachloroethene were outside control limits in batch 152136. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample 460-52642-1 was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA Method 625. The samples were prepared on 03/21/2013 and 03/23/2013 and analyzed on 03/21/2013 and 03/27/2013.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

ORGANOPHOSPHORUS PESTICIDES
Sample 460-52642-1 was analyzed for organophosphorus pesticides in accordance with EPA SW-846 Method 8141A. The samples were prepared on 03/21/2013 and analyzed on 03/22/2013.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Sample 460-52642-1 was analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 03/21/2013.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

PHENOLICS, TOTAL RECOVERABLE
Sample 460-52642-1 was analyzed for phenolics, total recoverable in accordance with EPA SW-846 Method 9065. The samples were prepared and analyzed on 03/22/2013.

The laboratory control sample (LCS) for batch 152390 exceeded control limits for the following analyte: Phenol. These analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the total phenols analysis.

All other quality control parameters were within the acceptance limits.

TOTAL CHLORIDE
Sample 460-52642-1 was analyzed for total chloride in accordance with SM 4500 Cl-E. The samples were analyzed on 03/25/2013.

No difficulties were encountered during the chloride analysis.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-52642-1	INFLUENT	Water	03/20/2013 0630	03/20/2013 1415

EXECUTIVE SUMMARY - Detections

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-52642-1	**INFLUENT**					
Acenaphthene		5.5	J	11	ug/L	625
Acenaphthylene		1.1	J	11	ug/L	625
Anthracene		0.62	J	11	ug/L	625
Fluoranthene		0.11	J	11	ug/L	625
Fluorene		6.9	J	11	ug/L	625
Phenanthrene		6.2	J	11	ug/L	625
Pyrene		0.38	J	11	ug/L	625
alpha-BHC		0.0018	p	0.0013	ug/L	608
gamma-BHC (Lindane)		0.0040		0.0013	ug/L	608
delta-BHC		0.00078	J p	0.0013	ug/L	608
4,4'-DDT		0.0019		0.0013	ug/L	608
Heptachlor		0.0014		0.0013	ug/L	608
Chloride		100		5.0	mg/L	SM 4500 Cl- E
Total Recoverable						
Iron		8400		150	ug/L	200.8

METHOD SUMMARY

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 625	
Liquid-Liquid Extraction	TAL EDI		40CFR136A 625
Metals (ICP/MS)	TAL EDI	EPA 200.8	
Preparation, Total Recoverable Metals	TAL EDI		EPA 200.8
Mercury (CVAA)	TAL EDI	EPA 245.1	
Preparation, Mercury	TAL EDI		EPA 245.1
Cyanide, Total and/or Amenable	TAL EDI	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL EDI		SW846 9012A
Phenolics, Total Recoverable	TAL EDI	SW846 9065	
Distillation, Phenolics	TAL EDI		Distill/Phenol
Chloride, Total	TAL EDI	SM SM 4500 Cl- E	
Semivolatile Organic Compounds (GC/MS)	TAL NC	40CFR136A 625	
Liquid-Liquid Extraction	TAL NC		40CFR136A 625
Organochlorine Pesticides/PCBs in Water	TAL PIT	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		40CFR136A 608
Organochlorine Pesticides/PCBs in Water	TAL PIT	40CFR136A 608	
Liquid-Liquid Extraction (Separtory Funnel)	TAL PIT		40CFR136A 608
Organophosphorous Pesticides (GC)	TAL PIT	SW846 8141A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C

Lab References:

TAL EDI = TestAmerica Edison

TAL NC = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

METHOD / ANALYST SUMMARY

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method	Analyst	Analyst ID
40CFR136A 624	Jin, Fangzhou	FJ
40CFR136A 625	Crocco, Michael	MC
40CFR136A 625	Gruber, John	JG
40CFR136A 608	Gupta, Ashok	AG
40CFR136A 608	Oravec, John	JO
40CFR136A 608	Waclaski, Linx	lw
SW846 8141A	Eppinger, David	DE
EPA 200.8	Dave, Virendra	VD
EPA 245.1	Staib, Thomas	TS
SW846 9012A	Kowalski, Joseph A	JAK
SW846 9065	Cabanganan, Maria	MB
SM SM 4500 Cl- E	Cabanganan, Maria	MB

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

624 Volatile Organic Compounds (GC/MS)

Analysis Method:	624	Analysis Batch:	460-152136	Instrument ID:	VOAMS1
	N/A	Prep Batch:	N/A	Lab File ID:	a86024.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1455			Final Weight/Volume:	5 mL
Prep Date:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		0.10	1.0
Vinyl chloride	ND		0.14	1.0
Bromomethane	ND		0.18	1.0
Chloroethane	ND		0.17	1.0
1,1-Dichloroethene	ND		0.090	1.0
Methylene Chloride	ND		0.18	1.0
trans-1,2-Dichloroethene	ND		0.13	1.0
1,1-Dichloroethane	ND		0.13	1.0
Chloroform	ND		0.080	1.0
1,1,1-Trichloroethane	ND		0.060	1.0
Carbon tetrachloride	ND		0.060	1.0
Benzene	ND		0.080	1.0
1,2-Dichloroethane	ND		0.19	1.0
Trichloroethene	ND		0.090	1.0
1,2-Dichloropropane	ND		0.090	1.0
Bromodichloromethane	ND		0.12	1.0
2-Chloroethyl vinyl ether	ND		0.34	1.0
cis-1,3-Dichloropropene	ND		0.18	1.0
Toluene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.24	1.0
1,1,2-Trichloroethane	ND		0.19	1.0
Tetrachloroethene	ND		0.10	1.0
Dibromochloromethane	ND		0.20	1.0
Chlorobenzene	ND		0.11	1.0
Ethylbenzene	ND		0.10	1.0
Bromoform	ND		0.19	1.0
1,1,2,2-Tetrachloroethane	ND		0.16	1.0
Acrylonitrile	ND		0.68	2.0
Acrolein	ND		1.3	4.0
TBA	ND		5.7	20
MTBE	ND		0.14	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
Toluene-d8 (Surr)	88		70 - 130
Bromofluorobenzene	96		70 - 130

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	460-152058	Instrument ID:	BNAMS6
Prep Method:	625	Prep Batch:	460-152013	Lab File ID:	m63166.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	03/21/2013 0845			Final Weight/Volume:	2 mL
Prep Date:	03/21/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,3,7,8-TCDD	ND		1.0	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	40		10 - 65
Phenol-d5	26		10 - 48
Nitrobenzene-d5	89		56 - 112
2-Fluorobiphenyl	75		53 - 108
2,4,6-Tribromophenol	79		46 - 122
Terphenyl-d14	95		50 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Prep Method:	625	Prep Batch:	240-79226	Lab File ID:	30326028.D
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	03/27/2013 0803			Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.29	11
1,2-Dichlorobenzene	ND		0.31	11
1,3-Dichlorobenzene	ND		0.84	11
1,4-Dichlorobenzene	ND		0.36	11
2,4,6-Trichlorophenol	ND		0.84	11
2,4-Dichlorophenol	ND		0.84	11
2,4-Dimethylphenol	ND		0.84	11
2,4-Dinitrophenol	ND		2.5	53
2,4-Dinitrotoluene	ND		0.28	11
2,6-Dinitrotoluene	ND		0.84	11
2-Chloronaphthalene	ND		0.11	11
2-Chlorophenol	ND		0.31	11
2-Nitrophenol	ND		0.29	11
3,3'-Dichlorobenzidine	ND		0.39	11
4,6-Dinitro-2-methylphenol	ND		2.5	53
4-Bromophenyl phenyl ether	ND		0.84	11
4-Chlorophenyl phenyl ether	ND		0.32	11
4-Nitrophenol	ND		2.5	53
Acenaphthene	5.5	J	0.11	11
Acenaphthylene	1.1	J	0.11	11
Anthracene	0.62	J	0.11	11
Benzidine	ND		2.5	110
Benzo[a]anthracene	ND		0.11	11
Benzo[a]pyrene	ND		0.11	11
Benzo[b]fluoranthene	ND		0.11	11
Benzo[g,h,i]perylene	ND		0.11	11
Benzo[k]fluoranthene	ND		0.11	11
Bis(2-chloroethoxy)methane	ND		0.34	11
Bis(2-chloroethyl)ether	ND		0.11	11
Bis(2-ethylhexyl) phthalate	ND		0.84	11
2,2'-oxybis[1-chloropropane]	ND		0.42	11
Butyl benzyl phthalate	ND		0.84	11
Chrysene	ND		0.11	11
Dibenz(a,h)anthracene	ND		0.11	11
Diethyl phthalate	ND		0.63	11
Dimethyl phthalate	ND		0.31	11
Di-n-butyl phthalate	ND		0.71	11
Di-n-octyl phthalate	ND		0.84	11
Fluoranthene	0.11	J	0.11	11
Fluorene	6.9	J	0.11	11
Hexachlorobenzene	ND		0.11	11
Hexachlorobutadiene	ND		0.28	11
Hexachlorocyclopentadiene	ND		0.84	11
Hexachloroethane	ND		0.84	11
Indeno[1,2,3-cd]pyrene	ND		0.11	11
Isophorone	ND		0.28	11

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Prep Method:	625	Prep Batch:	240-79226	Lab File ID:	30326028.D
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	03/27/2013 0803			Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	ND		0.11	11
Nitrobenzene	ND		0.042	11
N-Nitrosodimethylamine	ND		0.33	11
N-Nitrosodi-n-propylamine	ND		0.84	11
N-Nitrosodiphenylamine	ND		0.33	11
4-Chloro-3-methylphenol	ND		0.84	11
Pentachlorophenol	ND		2.5	11
Phenanthrene	6.2	J	0.11	11
Phenol	ND		0.63	11
Pyrene	0.38	J	0.11	11
2,4,5-Trichlorophenol	ND		0.32	11
N-Nitrosodiethylamine	ND		0.80	11
Pentachlorobenzene	ND		0.75	11
N-Nitrosopyrrolidine	ND		0.78	11
1,2-Diphenylhydrazine	ND		0.31	11
1,2,4,5-Tetrachlorobenzene	ND		0.58	11
N-Nitrosodi-n-butylamine	ND		0.85	11

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	33		10 - 135
2,4,6-Tribromophenol	68		10 - 142
Nitrobenzene-d5	71		44 - 110
Phenol-d5	21		10 - 132
Terphenyl-d14	80		24 - 135
2-Fluorobiphenyl (Surr)	65		38 - 110

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

608 Organochlorine Pesticides/PCBs in Water

Analysis Method:	608	Analysis Batch:	180-67287	Instrument ID:	GC15
Prep Method:	608	Prep Batch:	180-66997	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	03/25/2013 1656			Injection Volume:	1 uL
Prep Date:	03/21/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mirex	ND		0.00049	0.0013

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

608 Organochlorine Pesticides/PCBs in Water

Analysis Method:	608	Analysis Batch:	180-67462	Instrument ID:	GC15
Prep Method:	608	Prep Batch:	180-66997	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	03/26/2013 2103			Injection Volume:	1 uL
Prep Date:	03/21/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.00085	0.0013
alpha-BHC	0.0018	p	0.00067	0.0013
beta-BHC	ND		0.0010	0.0013
gamma-BHC (Lindane)	0.0040		0.00082	0.0013
delta-BHC	0.00078	J p	0.00039	0.0013
Chlordane (technical)	ND		0.0017	0.013
4,4'-DDD	ND	*	0.00068	0.0013
4,4'-DDE	ND		0.00081	0.0013
4,4'-DDT	0.0019		0.00076	0.0013
Dieldrin	ND		0.00084	0.0013
Endosulfan I	ND		0.00096	0.0013
Endosulfan II	ND		0.0010	0.0013
Endosulfan sulfate	ND	*	0.00058	0.0013
Endrin	ND		0.00098	0.0013
Endrin aldehyde	ND		0.00092	0.0013
Heptachlor	0.0014		0.0010	0.0013
Heptachlor epoxide	ND		0.00099	0.0013
Methoxychlor	ND		0.00093	0.0026
Toxaphene	ND		0.019	0.051

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		36 - 129
DCB Decachlorobiphenyl (Surr)	71		57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

608 Organochlorine Pesticides/PCBs in Water

Analysis Method:	608	Analysis Batch:	180-67462	Instrument ID:	GC15
Prep Method:	608	Prep Batch:	180-66997	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	03/26/2013 2103			Injection Volume:	1 uL
Prep Date:	03/21/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		36 - 129
DCB Decachlorobiphenyl (Surr)	70		57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

608 Organochlorine Pesticides/PCBs in Water

Analysis Method:	608	Analysis Batch:	180-67227	Instrument ID:	GC8
Prep Method:	608	Prep Batch:	180-66997	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	03/22/2013 1405			Injection Volume:	1 uL
Prep Date:	03/21/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.0026	0.010
PCB-1221	ND		0.0025	0.010
PCB-1232	ND		0.0030	0.010
PCB-1242	ND		0.0019	0.010
PCB-1248	ND		0.0023	0.010
PCB-1254	ND		0.0014	0.010
PCB-1260	ND		0.0014	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		36 - 129
DCB Decachlorobiphenyl (Surr)	106		57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

8141A Organophosphorous Pesticides (GC)

Analysis Method:	8141A	Analysis Batch:	180-67073	Instrument ID:	GC5
Prep Method:	3510C	Prep Batch:	180-66996	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	03/22/2013 1110			Injection Volume:	1 uL
Prep Date:	03/21/2013 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Guthion	ND		0.12	1.0
Chlorpyrifos	ND		0.10	1.0
Demeton, Total	ND		0.17	2.0
Demeton-O	ND		0.095	1.0
Demeton-S	ND		0.073	1.0
Malathion	ND		0.11	1.0
Parathion	ND		0.17	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Triphenylphosphate	97		45 - 145
Tributyl phosphate	99		49 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

8141A Organophosphorous Pesticides (GC)

Analysis Method:	8141A	Analysis Batch:	180-67073	Instrument ID:	GC5
Prep Method:	3510C	Prep Batch:	180-66996	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	03/22/2013 1110			Injection Volume:	1 uL
Prep Date:	03/21/2013 1330			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Triphenylphosphate	94		45 - 145
Tributyl phosphate	99		49 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

200.8 Metals (ICP/MS)-Total Recoverable

Analysis Method:	200.8	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Prep Method:	200.8	Prep Batch:	460-152271	Lab File ID:	029SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0427			Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		1.8	2.5
Arsenic	ND		1.8	2.5
Beryllium	ND		0.90	1.0
Cadmium	ND		1.9	2.5
Chromium	ND		4.0	5.0
Copper	ND		3.8	5.0
Lead	ND		1.2	1.5
Nickel	ND		4.1	5.0
Selenium	ND		1.9	2.5
Silver	ND		3.8	5.0
Thallium	ND		0.75	1.0
Zinc	ND		15	20
Iron	8400		130	150

245.1 Mercury (CVAA)

Analysis Method:	245.1	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Prep Method:	245.1	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2035			Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.16	0.20

General Chemistry

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0040	0.010	1.0	9012A
Analysis Batch: 460-152069	Analysis Date: 03/21/2013 1043						
Prep Batch: 460-152042	Prep Date: 03/21/2013 0900						
Chloride	100		mg/L	2.9	5.0	1.0	SM 4500 Cl- E
Analysis Batch: 460-152658	Analysis Date: 03/25/2013 1253						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenols, Total	ND	*	mg/L	0.050	0.050	1.0	9065
Analysis Batch: 460-152390	Analysis Date: 03/22/2013 1819						
Prep Batch: 460-152267	Prep Date: 03/22/2013 0700						

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-52642-1	INFLUENT	100	88	96
MB 460-152136/4		102	88	97
LCS 460-152136/3		102	93	99
460-52471-A-15 MS		97	91	98
460-52471-A-15 MSD		95	93	97

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-52642-1	INFLUENT	40	26	89	75	79	95
MB 460-152013/1-A		47	31	91	82	80	99
LCS 460-152013/2-A		44	28	88	88	87	100
LCSD 460-152013/3-A		44	29	94	89	92	89

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-52642-1	INFLUENT	33	21	71	65	68	80
MB 240-79226/2-A		52	34	91	88	73	108
LCS 240-79226/3-A		42	28	77	69	65	81

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-135
PHL = Phenol-d5	10-132
NBZ = Nitrobenzene-d5	44-110
FBP = 2-Fluorobiphenyl (Surr)	38-110
TBP = 2,4,6-Tribromophenol	10-142
TPH = Terphenyl-d14	24-135

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate Recovery Report

608 Organochlorine Pesticides/PCBs in Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-52642-1	INFLUENT	67	76	71	70
460-52642-1	INFLUENT		98		106
MB 180-66997/1-A		90	93	81	79
MB 180-66997/1-A			117		102
LCS 180-66997/2-A		88	88	82	82
LCS 180-66997/4-A			105		99
LCSD 180-66997/3-A		82	83	66	65
LCSD 180-66997/5-A			109		102

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	36-129
DCB = DCB Decachlorobiphenyl (Surr)	57-144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate Recovery Report

8141A Organophosphorous Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TBPH1 %Rec	TBPH2 %Rec	TPP1 %Rec	TPP2 %Rec
460-52642-1	INFLUENT	99	99	97	94
MB 180-66996/1-A		86	82	85	83
LCS 180-66996/2-A		107	108	100	96
LCSD 180-66996/3-A		107	108	97	94

Surrogate	Acceptance Limits
TBPH = Tributyl phosphate	49-122
TPP = Triphenylphosphate	45-145

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152136

Method: 624
Preparation: N/A

Lab Sample ID:	MB 460-152136/4	Analysis Batch:	460-152136	Instrument ID:	VOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	a86016.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1214	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		0.10	1.0
Vinyl chloride	ND		0.14	1.0
Bromomethane	ND		0.18	1.0
Chloroethane	ND		0.17	1.0
1,1-Dichloroethene	ND		0.090	1.0
Methylene Chloride	ND		0.18	1.0
trans-1,2-Dichloroethene	ND		0.13	1.0
1,1-Dichloroethane	ND		0.13	1.0
Chloroform	ND		0.080	1.0
1,1,1-Trichloroethane	ND		0.060	1.0
Carbon tetrachloride	ND		0.060	1.0
Benzene	ND		0.080	1.0
1,2-Dichloroethane	ND		0.19	1.0
Trichloroethene	ND		0.090	1.0
1,2-Dichloropropane	ND		0.090	1.0
Bromodichloromethane	ND		0.12	1.0
2-Chloroethyl vinyl ether	ND		0.34	1.0
cis-1,3-Dichloropropene	ND		0.18	1.0
Toluene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.24	1.0
1,1,2-Trichloroethane	ND		0.19	1.0
Tetrachloroethene	ND		0.10	1.0
Dibromochloromethane	ND		0.20	1.0
Chlorobenzene	ND		0.11	1.0
Ethylbenzene	ND		0.10	1.0
Bromoform	ND		0.19	1.0
1,1,2,2-Tetrachloroethane	ND		0.16	1.0
Acrylonitrile	ND		0.68	2.0
Acrolein	ND		1.3	4.0
TBA	ND		5.7	20
MTBE	ND		0.14	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	70 - 130
Toluene-d8 (Surr)	88	70 - 130
Bromofluorobenzene	97	70 - 130

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample - Batch: 460-152136

Method: 624
Preparation: N/A

Lab Sample ID:	LCS 460-152136/3	Analysis Batch:	460-152136	Instrument ID:	VOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	a86012.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1037	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	9.72	49	0 - 273	
Vinyl chloride	20.0	13.2	66	0 - 251	
Bromomethane	20.0	21.6	108	0 - 242	
Chloroethane	20.0	16.2	81	14 - 230	
1,1-Dichloroethene	20.0	21.0	105	0 - 234	
Methylene Chloride	20.0	17.5	88	0 - 221	
trans-1,2-Dichloroethene	20.0	19.8	99	54 - 156	
1,1-Dichloroethane	20.0	16.0	80	59 - 155	
Chloroform	20.0	20.1	101	51 - 138	
1,1,1-Trichloroethane	20.0	23.3	117	52 - 162	
Carbon tetrachloride	20.0	24.5	123	70 - 140	
Benzene	20.0	16.3	82	37 - 151	
1,2-Dichloroethane	20.0	18.2	91	49 - 155	
Trichloroethene	20.0	21.5	108	71 - 157	
1,2-Dichloropropane	20.0	13.7	68	0 - 210	
Bromodichloromethane	20.0	17.2	86	35 - 155	
2-Chloroethyl vinyl ether	20.0	4.51	23	0 - 305	
cis-1,3-Dichloropropene	20.0	15.2	76	0 - 227	
Toluene	20.0	17.2	86	47 - 150	
trans-1,3-Dichloropropene	20.0	16.6	83	17 - 183	
1,1,2-Trichloroethane	20.0	15.6	78	52 - 150	
Tetrachloroethene	20.0	21.8	109	64 - 148	
Dibromochloromethane	20.0	18.7	93	53 - 149	
Chlorobenzene	20.0	18.6	93	37 - 160	
Ethylbenzene	20.0	18.8	94	37 - 162	
Bromoform	20.0	19.9	100	45 - 169	
1,1,2,2-Tetrachloroethane	20.0	13.7	69	46 - 157	
Acrylonitrile	20.0	10.8	54	48 - 135	
Acrolein	40.0	30.0	75	10 - 163	
TBA	400	303	76	49 - 112	
MTBE	20.0	18.5	92	71 - 115	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	70 - 130
Toluene-d8 (Surr)	93	70 - 130
Bromofluorobenzene	99	70 - 130

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152136

Method: 624
Preparation: N/A

MS Lab Sample ID:	460-52471-A-15 MS	Analysis Batch:	460-152136	Instrument ID:	VOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	a86018.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1255			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	460-52471-A-15 MSD	Analysis Batch:	460-152136	Instrument ID:	VOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	a86019.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1314			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloromethane	46	53	0 - 273	13	30		
Vinyl chloride	60	68	0 - 251	14	30		
Bromomethane	104	110	0 - 242	6	30		
Chloroethane	78	85	14 - 230	10	30		
1,1-Dichloroethene	95	105	0 - 234	10	30		
Methylene Chloride	84	95	0 - 221	12	30		
trans-1,2-Dichloroethene	92	102	54 - 156	10	30		
1,1-Dichloroethane	71	81	59 - 155	13	30		
Chloroform	94	105	51 - 138	11	30		
1,1,1-Trichloroethane	104	115	52 - 162	10	30		
Carbon tetrachloride	108	123	70 - 140	13	30		
Benzene	70	83	37 - 151	18	30		
1,2-Dichloroethane	84	94	49 - 155	11	30		
Trichloroethene	92	102	71 - 157	10	30		
1,2-Dichloropropane	60	71	0 - 210	17	30		
Bromodichloromethane	75	88	35 - 155	16	30		
2-Chloroethyl vinyl ether	0	0	0 - 305	NC	30		
cis-1,3-Dichloropropene	63	78	0 - 227	22	30		
Toluene	75	90	47 - 150	18	30		
trans-1,3-Dichloropropene	69	84	17 - 183	20	30		
1,1,2-Trichloroethane	69	81	52 - 150	16	30		
Tetrachloroethene	1	15	64 - 148	6	30	F	F
Dibromochloromethane	81	97	53 - 149	18	30		
Chlorobenzene	82	97	37 - 160	16	30		
Ethylbenzene	81	97	37 - 162	17	30		
Bromoform	80	100	45 - 169	22	30		
1,1,2,2-Tetrachloroethane	62	70	46 - 157	12	30		
Acrylonitrile	65	74	48 - 135	13	30		
Acrolein	72	77	10 - 163	7	30		
TBA	66	76	49 - 112	14	30		
MTBE	84	95	71 - 115	13	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	95	70 - 130

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	93	70 - 130
Bromofluorobenzene	98	97	70 - 130

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152136

Method: 624
Preparation: N/A

MS Lab Sample ID:	460-52471-A-15 MS	Units:	ug/L	MSD Lab Sample ID:	460-52471-A-15 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	10			Dilution:	10
Analysis Date:	03/21/2013 1255			Analysis Date:	03/21/2013 1314
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Chloromethane	ND	200	200	91.9		105	
Vinyl chloride	ND	200	200	119		136	
Bromomethane	ND	200	200	208		220	
Chloroethane	ND	200	200	155		171	
1,1-Dichloroethene	ND	200	200	190		211	
Methylene Chloride	ND	200	200	167		189	
trans-1,2-Dichloroethene	ND	200	200	183		203	
1,1-Dichloroethane	ND	200	200	143		162	
Chloroform	ND	200	200	187		210	
1,1,1-Trichloroethane	ND	200	200	209		231	
Carbon tetrachloride	ND	200	200	216		246	
Benzene	ND	200	200	139		167	
1,2-Dichloroethane	2.6	200	200	170		190	
Trichloroethene	5.3	200	200	190		210	
1,2-Dichloropropane	ND	200	200	120		142	
Bromodichloromethane	ND	200	200	150		176	
2-Chloroethyl vinyl ether	ND	200	200	ND		ND	
cis-1,3-Dichloropropene	ND	200	200	125		157	
Toluene	ND	200	200	151		181	
trans-1,3-Dichloropropene	ND	200	200	137		167	
1,1,2-Trichloroethane	ND	200	200	137		161	
Tetrachloroethene	440	200	200	445	F	473	F
Dibromochloromethane	ND	200	200	162		193	
Chlorobenzene	ND	200	200	165		194	
Ethylbenzene	ND	200	200	163		194	
Bromoform	ND	200	200	161		201	
1,1,2,2-Tetrachloroethane	ND	200	200	124		140	
Acrylonitrile	ND	200	200	130		148	
Acrolein	ND	400	400	286		308	
TBA	ND	4000	4000	2640		3050	
MTBE	ND	200	200	167		191	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152013

Method: 625
Preparation: 625

Lab Sample ID:	MB 460-152013/1-A	Analysis Batch:	460-152058	Instrument ID:	BNAMS6
Client Matrix:	Water	Prep Batch:	460-152013	Lab File ID:	m63165.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/21/2013 0823	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/21/2013 0715			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,3,7,8-TCDD	ND		1.0	1.0

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	47	10 - 65
Phenol-d5	31	10 - 48
Nitrobenzene-d5	91	56 - 112
2-Fluorobiphenyl	82	53 - 108
2,4,6-Tribromophenol	80	46 - 122
Terphenyl-d14	99	50 - 122

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorophenol	44	44	10 - 65
Phenol-d5	28	29	10 - 48
Nitrobenzene-d5	88	94	56 - 112
2-Fluorobiphenyl	88	89	53 - 108
2,4,6-Tribromophenol	87	92	46 - 122
Terphenyl-d14	100	89	50 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 240-79226

Method: 625
Preparation: 625

Lab Sample ID:	MB 240-79226/2-A	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-79226	Lab File ID:	30326022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 1750	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	ND		0.28	10
1,2-Dichlorobenzene	ND		0.29	10
1,3-Dichlorobenzene	ND		0.80	10
1,4-Dichlorobenzene	ND		0.34	10
2,4,6-Trichlorophenol	ND		0.80	10
2,4-Dichlorophenol	ND		0.80	10
2,4-Dimethylphenol	ND		0.80	10
2,4-Dinitrophenol	ND		2.4	50
2,4-Dinitrotoluene	ND		0.27	10
2,6-Dinitrotoluene	ND		0.80	10
2-Chloronaphthalene	ND		0.10	10
2-Chlorophenol	ND		0.29	10
2-Nitrophenol	ND		0.28	10
3,3'-Dichlorobenzidine	ND		0.37	10
4,6-Dinitro-2-methylphenol	ND		2.4	50
4-Bromophenyl phenyl ether	ND		0.80	10
4-Chlorophenyl phenyl ether	ND		0.30	10
4-Nitrophenol	ND		2.4	50
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzidine	ND		2.4	100
Benzo[a]anthracene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Benzo[b]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Bis(2-chloroethoxy)methane	ND		0.32	10
Bis(2-chloroethyl)ether	ND		0.10	10
Bis(2-ethylhexyl) phthalate	ND		0.80	10
2,2'-oxybis[1-chloropropane]	ND		0.40	10
Butyl benzyl phthalate	ND		0.80	10
Chrysene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Diethyl phthalate	ND		0.60	10
Dimethyl phthalate	ND		0.29	10
Di-n-butyl phthalate	ND		0.67	10
Di-n-octyl phthalate	ND		0.80	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Hexachlorobenzene	ND		0.10	10
Hexachlorobutadiene	ND		0.27	10
Hexachlorocyclopentadiene	ND		0.80	10
Hexachloroethane	ND		0.80	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 240-79226

Method: 625
Preparation: 625

Lab Sample ID:	MB 240-79226/2-A	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-79226	Lab File ID:	30326022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 1750	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isophorone	ND		0.27	10
Naphthalene	ND		0.10	10
Nitrobenzene	ND		0.040	10
N-Nitrosodimethylamine	ND		0.31	10
N-Nitrosodi-n-propylamine	ND		0.80	10
N-Nitrosodiphenylamine	ND		0.31	10
4-Chloro-3-methylphenol	ND		0.80	10
Pentachlorophenol	ND		2.4	10
Phenanthrene	ND		0.10	10
Phenol	ND		0.60	10
Pyrene	ND		0.10	10
2,4,5-Trichlorophenol	ND		0.30	10
N-Nitrosodiethylamine	ND		0.76	10
Pentachlorobenzene	ND		0.71	10
N-Nitrosopyrrolidine	ND		0.74	10
1,2-Diphenylhydrazine	ND		0.29	10
1,2,4,5-Tetrachlorobenzene	ND		0.55	10
N-Nitrosodi-n-butylamine	ND		0.81	10

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	52	10 - 135
2,4,6-Tribromophenol	73	10 - 142
Nitrobenzene-d5	91	44 - 110
Phenol-d5	34	10 - 132
Terphenyl-d14	108	24 - 135
2-Fluorobiphenyl (Surr)	88	38 - 110

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample - Batch: 240-79226

Method: 625
Preparation: 625

Lab Sample ID:	LCS 240-79226/3-A	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-79226	Lab File ID:	30326023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 1814	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	20.0	14.1	70	44 - 142	
1,2-Dichlorobenzene	20.0	14.9	75	32 - 129	
1,3-Dichlorobenzene	20.0	14.6	73	0 - 172	
1,4-Dichlorobenzene	20.0	12.2	61	20 - 124	
2,4-Dichlorophenol	20.0	12.4	62	39 - 135	
2,4-Dimethylphenol	20.0	10.3	51	32 - 119	
2,4-Dinitrophenol	20.0	8.02	40	0 - 191	J
2,4-Dinitrotoluene	20.0	18.1	91	39 - 139	
2,6-Dinitrotoluene	20.0	17.7	89	50 - 158	
2-Chloronaphthalene	20.0	14.4	72	60 - 118	
2-Chlorophenol	20.0	12.3	61	23 - 134	
2-Nitrophenol	20.0	13.3	67	29 - 182	
3,3'-Dichlorobenzidine	20.0	10.1	50	0 - 262	
4,6-Dinitro-2-methylphenol	20.0	10.8	54	0 - 181	J
4-Bromophenyl phenyl ether	20.0	15.3	77	53 - 127	
4-Chlorophenyl phenyl ether	20.0	15.2	76	25 - 158	
4-Nitrophenol	20.0	4.91	25	0 - 132	J
Acenaphthene	20.0	15.6	78	47 - 145	
Acenaphthylene	20.0	16.2	81	33 - 145	
Anthracene	20.0	17.4	87	27 - 133	
Benzo[a]anthracene	20.0	16.4	82	33 - 143	
Benzo[a]pyrene	20.0	16.6	83	17 - 163	
Benzo[b]fluoranthene	20.0	16.1	80	24 - 159	
Benzo[g,h,i]perylene	20.0	16.8	84	0 - 219	
Benzo[k]fluoranthene	20.0	16.9	85	11 - 162	
Bis(2-chloroethoxy)methane	20.0	14.9	75	33 - 184	
Bis(2-chloroethyl)ether	20.0	15.3	77	12 - 158	
Bis(2-ethylhexyl) phthalate	20.0	16.8	84	8 - 158	
Butyl benzyl phthalate	20.0	17.2	86	0 - 152	
Chrysene	20.0	17.2	86	17 - 168	
Dibenz(a,h)anthracene	20.0	16.6	83	0 - 227	
Diethyl phthalate	20.0	16.0	80	0 - 114	
Dimethyl phthalate	20.0	14.5	72	0 - 112	
Di-n-butyl phthalate	20.0	16.5	83	1 - 118	
Di-n-octyl phthalate	20.0	15.9	79	4 - 146	
Fluoranthene	20.0	17.1	85	26 - 137	
Fluorene	20.0	16.0	80	59 - 121	
Hexachlorobenzene	20.0	14.6	73	0 - 152	
Hexachlorobutadiene	20.0	14.0	70	24 - 116	
Hexachloroethane	20.0	15.1	75	40 - 113	
Indeno[1,2,3-cd]pyrene	20.0	15.7	79	0 - 171	
Isophorone	20.0	16.1	80	21 - 196	
Naphthalene	20.0	15.4	77	21 - 133	
Nitrobenzene	20.0	15.6	78	35 - 180	
N-Nitrosodi-n-propylamine	20.0	14.9	74	0 - 230	
4-Chloro-3-methylphenol	20.0	12.2	61	22 - 147	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample - Batch: 240-79226

Method: 625
Preparation: 625

Lab Sample ID:	LCS 240-79226/3-A	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-79226	Lab File ID:	30326023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 1814	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Pentachlorophenol	20.0	11.6	58	14 - 176	
Phenanthrene	20.0	16.2	81	54 - 120	
Phenol	20.0	5.78	29	5 - 112	J
Pyrene	20.0	16.6	83	52 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	42	10 - 135
2,4,6-Tribromophenol	65	10 - 142
Nitrobenzene-d5	77	44 - 110
Phenol-d5	28	10 - 132
Terphenyl-d14	81	24 - 135
2-Fluorobiphenyl (Surr)	69	38 - 110

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 180-66997

Method: 608
Preparation: 608

Lab Sample ID:	MB 180-66997/1-A	Analysis Batch:	180-67227	Instrument ID:	GC8
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	P0330835.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1429	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.0025	0.010
PCB-1221	ND		0.0025	0.010
PCB-1232	ND		0.0029	0.010
PCB-1242	ND		0.0019	0.010
PCB-1248	ND		0.0023	0.010
PCB-1254	ND		0.0014	0.010
PCB-1260	ND		0.0014	0.010

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	117	36 - 129
DCB Decachlorobiphenyl (Surr)	102	57 - 144

Method Blank - Batch: 180-66997

Method: 608
Preparation: 608

Lab Sample ID:	MB 180-66997/1-A	Analysis Batch:	180-67287	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	AQ0313000911.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/25/2013 1711	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Mirex	ND		0.00048	0.0013

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 180-66997

Method: 608
Preparation: 608

Lab Sample ID:	MB 180-66997/1-A	Analysis Batch:	180-67462	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	AQ0313000994.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 2118	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	ND		0.00083	0.0013
alpha-BHC	ND		0.00066	0.0013
beta-BHC	ND		0.0010	0.0013
gamma-BHC (Lindane)	ND		0.00080	0.0013
delta-BHC	ND		0.00038	0.0013
Chlordane (technical)	ND		0.0017	0.013
4,4'-DDD	ND		0.00067	0.0013
4,4'-DDE	ND		0.00079	0.0013
4,4'-DDT	ND		0.00074	0.0013
Dieldrin	ND		0.00082	0.0013
Endosulfan I	ND		0.00094	0.0013
Endosulfan II	ND		0.00098	0.0013
Endosulfan sulfate	ND		0.00057	0.0013
Endrin	ND		0.00096	0.0013
Endrin aldehyde	ND		0.00090	0.0013
Heptachlor	ND		0.00099	0.0013
Heptachlor epoxide	ND		0.00097	0.0013
Methoxychlor	ND		0.00091	0.0025
Toxaphene	ND		0.019	0.050

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	93	36 - 129
DCB Decachlorobiphenyl (Surr)	81	57 - 144

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	90	36 - 129
DCB Decachlorobiphenyl (Surr)	79	57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-66997

Method: 608
Preparation: 608

LCS Lab Sample ID:	LCS 180-66997/4-A	Analysis Batch:	180-67227	Instrument ID:	GC8
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	P0330836.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1454	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 180-66997/5-A	Analysis Batch:	180-67227	Instrument ID:	GC8
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	P0330837.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1518	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	97	101	50 - 114	5	20		
PCB-1260	97	101	10 - 127	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	105	109	36 - 129
DCB Decachlorobiphenyl (Surr)	99	102	57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-66997

Method: 608
Preparation: 608

LCS Lab Sample ID:	LCS 180-66997/2-A	Analysis Batch:	180-67462	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	AQ0313000995.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 2134	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 180-66997/3-A	Analysis Batch:	180-67462	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	AQ0313000996.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 2149	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aldrin	80	69	42 - 122	16	20		
alpha-BHC	79	73	37 - 134	7	20		
beta-BHC	81	73	17 - 147	10	26		
gamma-BHC (Lindane)	82	74	32 - 127	10	20		
delta-BHC	66	57	19 - 140	15	23		
4,4'-DDD	80	63	31 - 141	24	23		*
4,4'-DDE	77	62	30 - 145	21	22		
4,4'-DDT	83	64	25 - 160	28	27		
Dieldrin	77	63	36 - 146	21	23		
Endosulfan I	78	65	45 - 153	19	22		
Endosulfan II	77	62	10 - 202	22	44		
Endosulfan sulfate	77	57	26 - 144	29	24		*
Endrin	80	62	30 - 147	24	24		
Endrin aldehyde	82	63	56 - 125	25	32		
Heptachlor	86	76	34 - 111	12	20		
Heptachlor epoxide	80	68	37 - 142	16	20		
Methoxychlor	85	66	65 - 135	27	29		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	88	83	36 - 129
DCB Decachlorobiphenyl (Surr)	82	66	57 - 144

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	88	82	36 - 129
DCB Decachlorobiphenyl (Surr)	82	65	57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-66997

Method: 608
Preparation: 608

LCS Lab Sample ID:	LCS 180-66997/4-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-66997/5-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/22/2013 1454			Analysis Date:	03/22/2013 1518
Prep Date:	03/21/2013 1340			Prep Date:	03/21/2013 1340
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	1.00	1.00	0.968	1.01
PCB-1260	1.00	1.00	0.975	1.01

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-66997

Method: 608
Preparation: 608

LCS Lab Sample ID:	LCS 180-66997/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-66997/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/26/2013 2134			Analysis Date:	03/26/2013 2149
Prep Date:	03/21/2013 1340			Prep Date:	03/21/2013 1340
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
Aldrin	0.0250	0.0250	0.0201	0.0172	
alpha-BHC	0.0250	0.0250	0.0197	0.0183	
beta-BHC	0.0250	0.0250	0.0203	0.0183	
gamma-BHC (Lindane)	0.0250	0.0250	0.0204	0.0184	
delta-BHC	0.0250	0.0250	0.0165	0.0143	
4,4'-DDD	0.0250	0.0250	0.0200	0.0156	*
4,4'-DDE	0.0250	0.0250	0.0192	0.0156	
4,4'-DDT	0.0250	0.0250	0.0207	0.0161	
Dieldrin	0.0250	0.0250	0.0193	0.0156	
Endosulfan I	0.0250	0.0250	0.0196	0.0161	
Endosulfan II	0.0250	0.0250	0.0194	0.0155	
Endosulfan sulfate	0.0250	0.0250	0.0192	0.0143	*
Endrin	0.0250	0.0250	0.0199	0.0156	
Endrin aldehyde	0.0250	0.0250	0.0204	0.0159	
Heptachlor	0.0250	0.0250	0.0214	0.0190	
Heptachlor epoxide	0.0250	0.0250	0.0200	0.0171	
Methoxychlor	0.0250	0.0250	0.0214	0.0165	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 180-66996

Method: 8141A
Preparation: 3510C

Lab Sample ID:	MB 180-66996/1-A	Analysis Batch:	180-67073	Instrument ID:	GC5
Client Matrix:	Water	Prep Batch:	180-66996	Lab File ID:	aj0330144.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1139	Units:	ug/L	Final Weight/Volume:	5.0 mL
Prep Date:	03/21/2013 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Guthion	ND		0.11	1.0
Chlorpyrifos	ND		0.10	1.0
Demeton, Total	ND		0.16	2.0
Demeton-O	ND		0.094	1.0
Demeton-S	ND		0.071	1.0
Malathion	ND		0.11	1.0
Parathion	ND		0.16	1.0

Surrogate	% Rec	Acceptance Limits
Triphenylphosphate	85	45 - 145
Tributyl phosphate	86	49 - 122

Surrogate	% Rec	Acceptance Limits
Triphenylphosphate	83	45 - 145
Tributyl phosphate	82	49 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-66996

Method: 8141A
Preparation: 3510C

LCS Lab Sample ID:	LCS 180-66996/2-A	Analysis Batch:	180-67073	Instrument ID:	GC5
Client Matrix:	Water	Prep Batch:	180-66996	Lab File ID:	aj0330145.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1207	Units:	ug/L	Final Weight/Volume:	5.0 mL
Prep Date:	03/21/2013 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 180-66996/3-A	Analysis Batch:	180-67073	Instrument ID:	GC5
Client Matrix:	Water	Prep Batch:	180-66996	Lab File ID:	aj0330146.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1236	Units:	ug/L	Final Weight/Volume:	5.0 mL
Prep Date:	03/21/2013 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Guthion	118	117	40 - 150	1	30		
Chlorpyrifos	101	103	50 - 130	2	25		
Demeton-O	110	112	10 - 150	2	30		
Demeton-S	107	107	10 - 150	0	30		
Malathion	106	106	50 - 150	0	30		
Parathion	103	105	56 - 125	2	21		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Triphenylphosphate	100	97	45 - 145
Tributyl phosphate	107	107	49 - 122

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Triphenylphosphate	96	94	45 - 145
Tributyl phosphate	108	108	49 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-66996

Method: 8141A
Preparation: 3510C

LCS Lab Sample ID:	LCS 180-66996/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-66996/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/22/2013 1207			Analysis Date:	03/22/2013 1236
Prep Date:	03/21/2013 1330			Prep Date:	03/21/2013 1330
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Guthion	10.0	10.0	11.8	11.7
Chlorpyrifos	10.0	10.0	10.1	10.3
Demeton-O	10.0	10.0	11.0	11.2
Demeton-S	10.0	10.0	10.7	10.7
Malathion	10.0	10.0	10.6	10.6
Parathion	10.0	10.0	10.3	10.5

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	MB 460-152271/1-A ^5	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	0226CCB.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0402	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Antimony	ND		1.8	2.5
Arsenic	ND		1.8	2.5
Beryllium	ND		0.90	1.0
Cadmium	ND		1.9	2.5
Chromium	ND		4.0	5.0
Copper	ND		3.8	5.0
Lead	ND		1.2	1.5
Nickel	ND		4.1	5.0
Selenium	ND		1.9	2.5
Silver	ND		3.8	5.0
Thallium	ND		0.75	1.0
Zinc	ND		15	20
Iron	ND		130	150

Lab Control Sample - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	LCS 460-152271/2-A ^5	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	023SMPL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0406	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	25.0	25.5	102	85 - 115	
Arsenic	50.0	49.9	100	85 - 115	
Beryllium	25.0	24.5	98	85 - 115	
Cadmium	25.0	24.0	96	85 - 115	
Chromium	50.0	49.6	99	85 - 115	
Copper	50.0	48.9	98	85 - 115	
Lead	25.0	25.7	103	85 - 115	
Nickel	50.0	48.6	97	85 - 115	
Selenium	50.0	50.6	101	85 - 115	
Silver	25.0	24.7	99	85 - 115	
Thallium	20.0	19.4	97	85 - 115	
Zinc	250	251	100	85 - 115	
Iron	2500	2780	111	85 - 115	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Post Digestion Spike - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	460-52748-D-1-A PDS ^5	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	024SMPL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0409	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	4.3		25.0	27.7	94	75 - 125	
Arsenic	2.6		50.0	53.2	101	75 - 125	
Beryllium	ND		25.0	23.9	96	75 - 125	
Cadmium	ND		25.0	24.1	97	75 - 125	
Chromium	ND		50.0	49.5	99	75 - 125	
Copper	4.9	J	50.0	52.4	95	75 - 125	
Lead	ND		25.0	25.3	101	75 - 125	
Nickel	ND		50.0	47.1	94	75 - 125	
Selenium	ND		50.0	53.1	106	75 - 125	
Silver	ND		25.0	22.7	91	75 - 125	
Thallium	ND		20.0	19.8	99	75 - 125	
Zinc	ND		250	242	97	75 - 125	
Iron	ND		2500	2790	112	75 - 125	

Matrix Spike - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	460-52642-1	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	030SMPL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0431	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	ND	25.0	25.1	101	70 - 130	
Arsenic	ND	50.0	50.0	100	70 - 130	
Beryllium	ND	25.0	26.5	106	70 - 130	
Cadmium	ND	25.0	24.9	100	70 - 130	
Chromium	ND	50.0	47.7	95	70 - 130	
Copper	ND	50.0	47.3	95	70 - 130	
Lead	ND	25.0	25.1	100	70 - 130	
Nickel	ND	50.0	46.2	92	70 - 130	
Selenium	ND	50.0	47.0	94	70 - 130	
Silver	ND	25.0	24.1	96	70 - 130	
Thallium	ND	20.0	19.2	96	70 - 130	
Zinc	ND	250	254	102	70 - 130	
Iron	8400	2500	11000	105	70 - 130	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Duplicate - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	460-52748-D-1-B DU ^5	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	026SMPL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0417	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Antimony	4.3		4.44	4	20	
Arsenic	2.6		2.04	23	20	J
Beryllium	ND		ND	NC	20	
Cadmium	ND		ND	NC	20	
Chromium	ND		ND	NC	20	
Copper	4.9	J	5.31	8	20	
Lead	ND		ND	NC	20	
Nickel	ND		ND	NC	20	
Selenium	ND		ND	NC	20	
Silver	ND		ND	NC	20	
Thallium	ND		ND	NC	20	
Zinc	ND		ND	NC	20	
Iron	ND		ND	NC	20	

Serial Dilution - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	460-52748-D-1-A SD ^25	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	028SMPL.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0424	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	4.3		ND	NC		
Arsenic	2.6		ND	NC		
Beryllium	ND		ND	NC		
Cadmium	ND		ND	NC		
Chromium	ND		ND	NC		
Copper	4.9	J	ND	NC		
Lead	ND		ND	NC		
Nickel	ND		ND	NC		
Selenium	ND		ND	NC		
Silver	ND		ND	NC		
Thallium	ND		ND	NC		
Zinc	ND		ND	NC		
Iron	ND		ND	NC		

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152172

Method: 245.1
Preparation: 245.1

Lab Sample ID:	MB 460-152172/11-A	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2020	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.16	0.20

Lab Control Sample - Batch: 460-152172

Method: 245.1
Preparation: 245.1

Lab Sample ID:	LCS 460-152172/12-A	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2022	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.00	2.02	101	85 - 115	

Matrix Spike - Batch: 460-152172

Method: 245.1
Preparation: 245.1

Lab Sample ID:	460-52706-H-2-D MS	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2028	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	ND	2.00	2.15	108	70 - 130	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Duplicate - Batch: 460-152172

Method: 245.1
Preparation: 245.1

Lab Sample ID:	460-52706-H-2-C DU	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2026	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Serial Dilution - Batch: 460-152172

Method: 245.1
Preparation: 245.1

Lab Sample ID:	460-52706-H-2-B SD ^5	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2114	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	ND	ND	NC		

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152042

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-152042/1-A	Analysis Batch:	460-152069	Instrument ID:	Lachat3
Client Matrix:	Water	Prep Batch:	460-152042	Lab File ID:	OM_3-21-2013_10-08-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1031	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	03/21/2013 0900				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0040	0.010

Low Level Control Sample - Batch: 460-152042

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-152042/2-A	Analysis Batch:	460-152069	Instrument ID:	Lachat3
Client Matrix:	Water	Prep Batch:	460-152042	Lab File ID:	OM_3-21-2013_10-08-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1032	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	03/21/2013 0900				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.100	0.107	107	90 - 110	

High Level Control Sample - Batch: 460-152042

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-152042/3-A	Analysis Batch:	460-152069	Instrument ID:	Lachat3
Client Matrix:	Water	Prep Batch:	460-152042	Lab File ID:	OM_3-21-2013_10-08-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1033	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	03/21/2013 0900				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.200	0.207	104	90 - 110	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152042

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	460-52675-F-1-B MS	Analysis Batch:	460-152069	Instrument ID:	Lachat3
Client Matrix:	Water	Prep Batch:	460-152042	Lab File ID:	OM_3-21-2013_10-08-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1035			Final Weight/Volume:	5 mL
Prep Date:	03/21/2013 0900				
Leach Date:	N/A				

MSD Lab Sample ID:	460-52675-F-1-C MSD	Analysis Batch:	460-152069	Instrument ID:	Lachat3
Client Matrix:	Water	Prep Batch:	460-152042	Lab File ID:	OM_3-21-2013_10-08-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1036			Final Weight/Volume:	5 mL
Prep Date:	03/21/2013 0900				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	105	106	90 - 110	0	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152042

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	460-52675-F-1-B MS	Units: mg/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	03/21/2013 1035		
Prep Date:	03/21/2013 0900		
Leach Date:	N/A		

MSD Lab Sample ID:	460-52675-F-1-C MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	03/21/2013 1036
Prep Date:	03/21/2013 0900
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cyanide, Total	ND	0.200	0.200	0.210	0.211

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-150908

Method: 9065
Preparation: Distill/Phenol

Lab Sample ID:	MB 460-150908/1-A	Analysis Batch:	460-151092	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-150908	Lab File ID:	KL031413.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/14/2013 0805	Units:	mg/L	Final Weight/Volume:	50.0 mL
Prep Date:	03/13/2013 0700				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Phenols, Total	ND		0.050	0.050

Lab Control Sample - Batch: 460-150908

Method: 9065
Preparation: Distill/Phenol

Lab Sample ID:	LCS 460-150908/2-A	Analysis Batch:	460-151092	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-150908	Lab File ID:	KL031413.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/14/2013 0805	Units:	mg/L	Final Weight/Volume:	50.0 mL
Prep Date:	03/13/2013 0700				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenols, Total	0.400	0.409	102	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-150908

Method: 9065
Preparation: Distill/Phenol

MS Lab Sample ID:	460-52095-P-1-A MS	Analysis Batch:	460-151092	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-150908	Lab File ID:	KL031413.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/14/2013 0805			Final Weight/Volume:	50.0 mL
Prep Date:	03/13/2013 0700				
Leach Date:	N/A				

MSD Lab Sample ID:	460-52095-P-1-B MSD	Analysis Batch:	460-151092	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-150908	Lab File ID:	KL031413.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/14/2013 0805			Final Weight/Volume:	50.0 mL
Prep Date:	03/13/2013 0700				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenols, Total	103	106	85 - 115	4	16		

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-150908

Method: 9065
Preparation: Distill/Phenol

MS Lab Sample ID:	460-52095-P-1-A MS	Units: mg/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	03/14/2013 0805		
Prep Date:	03/13/2013 0700		
Leach Date:	N/A		

MSD Lab Sample ID:	460-52095-P-1-B MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	03/14/2013 0805
Prep Date:	03/13/2013 0700
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Phenols, Total	ND	0.400	0.400	0.411	0.426

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152267

Method: 9065
Preparation: Distill/Phenol

Lab Sample ID:	MB 460-152267/1-A	Analysis Batch:	460-152390	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-152267	Lab File ID:	kl032213confirmation.xl
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/22/2013 1819	Units:	mg/L	Final Weight/Volume:	50.0 mL
Prep Date:	03/22/2013 0700				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Phenols, Total	ND		0.050	0.050

Lab Control Sample - Batch: 460-152267

Method: 9065
Preparation: Distill/Phenol

Lab Sample ID:	LCS 460-152267/2-A	Analysis Batch:	460-152390	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-152267	Lab File ID:	kl032213confirmation.xl
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/22/2013 1819	Units:	mg/L	Final Weight/Volume:	50.0 mL
Prep Date:	03/22/2013 0700				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenols, Total	0.400	0.541	135	90 - 110	*

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152658

Method: SM 4500 Cl- E
Preparation: N/A

Lab Sample ID:	MB 460-152658/5	Analysis Batch:	460-152658	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL032513A.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1253	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloride	ND		2.9	5.0

LCS-Certified Reference Material - Batch: 460-152658

Method: SM 4500 Cl- E
Preparation: N/A

Lab Sample ID:	LCSSRM 460-152658/6	Analysis Batch:	460-152658	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL032513A.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1253	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	53.0	50.1	94.6	88.9 - 105.8	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152658

Method: SM 4500 Cl- E
Preparation: N/A

MS Lab Sample ID:	460-52838-E-1 MS	Analysis Batch:	460-152658	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL032513A.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1253			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	460-52838-E-1 MSD	Analysis Batch:	460-152658	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL032513A.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1253			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	100	100	90 - 110	0	10		

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152658

Method: SM 4500 Cl- E
Preparation: N/A

MS Lab Sample ID:	460-52838-E-1 MS	Units: mg/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	03/25/2013 1253		
Prep Date:	N/A		
Leach Date:	N/A		

MSD Lab Sample ID:	460-52838-E-1 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	03/25/2013 1253
Prep Date:	N/A
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloride	55	50.0	50.0	105	105

DATA REPORTING QUALIFIERS

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	*	LCS or LCSD exceeds the control limits

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-152136					
LCS 460-152136/3	Lab Control Sample	T	Water	624	
MB 460-152136/4	Method Blank	T	Water	624	
460-52471-A-15 MS	Matrix Spike	T	Water	624	
460-52471-A-15 MSD	Matrix Spike Duplicate	T	Water	624	
460-52642-1	INFLUENT	T	Water	624	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-79226					
LCS 240-79226/3-A	Lab Control Sample	T	Water	625	
MB 240-79226/2-A	Method Blank	T	Water	625	
460-52642-1	INFLUENT	T	Water	625	
Analysis Batch:240-79448					
LCS 240-79226/3-A	Lab Control Sample	T	Water	625	240-79226
MB 240-79226/2-A	Method Blank	T	Water	625	240-79226
460-52642-1	INFLUENT	T	Water	625	240-79226
Prep Batch: 460-152013					
LCS 460-152013/2-A	Lab Control Sample	T	Water	625	
LCSD 460-152013/3-A	Lab Control Sample Duplicate	T	Water	625	
MB 460-152013/1-A	Method Blank	T	Water	625	
460-52642-1	INFLUENT	T	Water	625	
Analysis Batch:460-152058					
LCS 460-152013/2-A	Lab Control Sample	T	Water	625	460-152013
LCSD 460-152013/3-A	Lab Control Sample Duplicate	T	Water	625	460-152013
MB 460-152013/1-A	Method Blank	T	Water	625	460-152013
460-52642-1	INFLUENT	T	Water	625	460-152013

Report Basis
T = Total

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 180-66996					
LCS 180-66996/2-A	Lab Control Sample	T	Water	3510C	
LCSD 180-66996/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 180-66996/1-A	Method Blank	T	Water	3510C	
460-52642-1	INFLUENT	T	Water	3510C	
Prep Batch: 180-66997					
LCS 180-66997/2-A	Lab Control Sample	T	Water	608	
LCS 180-66997/4-A	Lab Control Sample	T	Water	608	
LCSD 180-66997/3-A	Lab Control Sample Duplicate	T	Water	608	
LCSD 180-66997/5-A	Lab Control Sample Duplicate	T	Water	608	
MB 180-66997/1-A	Method Blank	T	Water	608	
460-52642-1	INFLUENT	T	Water	608	
Analysis Batch:180-67073					
LCS 180-66996/2-A	Lab Control Sample	T	Water	8141A	180-66996
LCSD 180-66996/3-A	Lab Control Sample Duplicate	T	Water	8141A	180-66996
MB 180-66996/1-A	Method Blank	T	Water	8141A	180-66996
460-52642-1	INFLUENT	T	Water	8141A	180-66996
Analysis Batch:180-67227					
LCS 180-66997/4-A	Lab Control Sample	T	Water	608	180-66997
LCSD 180-66997/5-A	Lab Control Sample Duplicate	T	Water	608	180-66997
MB 180-66997/1-A	Method Blank	T	Water	608	180-66997
460-52642-1	INFLUENT	T	Water	608	180-66997
Analysis Batch:180-67287					
LCS 180-66997/2-A	Lab Control Sample	T	Water	608	180-66997
LCSD 180-66997/3-A	Lab Control Sample Duplicate	T	Water	608	180-66997
MB 180-66997/1-A	Method Blank	T	Water	608	180-66997
460-52642-1	INFLUENT	T	Water	608	180-66997
Analysis Batch:180-67462					
LCS 180-66997/2-A	Lab Control Sample	T	Water	608	180-66997
LCSD 180-66997/3-A	Lab Control Sample Duplicate	T	Water	608	180-66997
MB 180-66997/1-A	Method Blank	T	Water	608	180-66997
460-52642-1	INFLUENT	T	Water	608	180-66997

Report Basis

T = Total

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-152172					
LCS 460-152172/12-A	Lab Control Sample	T	Water	245.1	
MB 460-152172/11-A	Method Blank	T	Water	245.1	
460-52642-1	INFLUENT	T	Water	245.1	
460-52706-H-2-C DU	Duplicate	T	Water	245.1	
460-52706-H-2-D MS	Matrix Spike	T	Water	245.1	
Analysis Batch:460-152211					
LCS 460-152172/12-A	Lab Control Sample	T	Water	245.1	460-152172
MB 460-152172/11-A	Method Blank	T	Water	245.1	460-152172
460-52642-1	INFLUENT	T	Water	245.1	460-152172
460-52706-H-2-C DU	Duplicate	T	Water	245.1	460-152172
460-52706-H-2-D MS	Matrix Spike	T	Water	245.1	460-152172
Prep Batch: 460-152271					
LCS 460-152271/2-A ^5	Lab Control Sample	R	Water	200.8	
MB 460-152271/1-A ^5	Method Blank	R	Water	200.8	
460-52642-1	INFLUENT	R	Water	200.8	
460-52642-1MS	Matrix Spike	R	Water	200.8	
460-52748-D-1-B DU ^5	Duplicate	R	Water	200.8	
Analysis Batch:460-152605					
LCS 460-152271/2-A ^5	Lab Control Sample	R	Water	200.8	460-152271
MB 460-152271/1-A ^5	Method Blank	R	Water	200.8	460-152271
460-52642-1	INFLUENT	R	Water	200.8	460-152271
460-52642-1MS	Matrix Spike	R	Water	200.8	460-152271
460-52748-D-1-B DU ^5	Duplicate	R	Water	200.8	460-152271

Report Basis

R = Total Recoverable

T = Total

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-150908					
LCS 460-150908/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 460-150908/1-A	Method Blank	T	Water	Distill/Phenol	
460-52095-P-1-A MS	Matrix Spike	T	Water	Distill/Phenol	
460-52095-P-1-B MSD	Matrix Spike Duplicate	T	Water	Distill/Phenol	
Analysis Batch:460-151092					
LCS 460-150908/2-A	Lab Control Sample	T	Water	9065	460-150908
MB 460-150908/1-A	Method Blank	T	Water	9065	460-150908
460-52095-P-1-A MS	Matrix Spike	T	Water	9065	460-150908
460-52095-P-1-B MSD	Matrix Spike Duplicate	T	Water	9065	460-150908
Prep Batch: 460-152042					
HLCS 460-152042/3-A	High Level Control Sample	T	Water	9012A	
LLCS 460-152042/2-A	Low Level Control Sample	T	Water	9012A	
MB 460-152042/1-A	Method Blank	T	Water	9012A	
460-52642-1	INFLUENT	T	Water	9012A	
460-52675-F-1-B MS	Matrix Spike	T	Water	9012A	
460-52675-F-1-C MSD	Matrix Spike Duplicate	T	Water	9012A	
Analysis Batch:460-152069					
HLCS 460-152042/3-A	High Level Control Sample	T	Water	9012A	460-152042
LLCS 460-152042/2-A	Low Level Control Sample	T	Water	9012A	460-152042
MB 460-152042/1-A	Method Blank	T	Water	9012A	460-152042
460-52642-1	INFLUENT	T	Water	9012A	460-152042
460-52675-F-1-B MS	Matrix Spike	T	Water	9012A	460-152042
460-52675-F-1-C MSD	Matrix Spike Duplicate	T	Water	9012A	460-152042
Prep Batch: 460-152267					
LCS 460-152267/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 460-152267/1-A	Method Blank	T	Water	Distill/Phenol	
460-52642-1	INFLUENT	T	Water	Distill/Phenol	
Analysis Batch:460-152390					
LCS 460-152267/2-A	Lab Control Sample	T	Water	9065	460-152267
MB 460-152267/1-A	Method Blank	T	Water	9065	460-152267
460-52642-1	INFLUENT	T	Water	9065	460-152267
Analysis Batch:460-152658					
LCSSRM 460-152658/6	LCS-Certified Reference Material	T	Water	SM 4500 Cl- E	
MB 460-152658/5	Method Blank	T	Water	SM 4500 Cl- E	
460-52642-1	INFLUENT	T	Water	SM 4500 Cl- E	
460-52838-E-1 MS	Matrix Spike	T	Water	SM 4500 Cl- E	
460-52838-E-1 MSD	Matrix Spike Duplicate	T	Water	SM 4500 Cl- E	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Chronicle

Lab ID: **460-52642-1** **Client ID:** **INFLUENT**

Sample Date/Time: 03/20/2013 06:30 Received Date/Time: 03/20/2013 14:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	460-52642-B-1		460-152136		03/21/2013 14:55	1	TAL EDI	FJ
P:625	460-52642-I-1-A		460-152058	460-152013	03/21/2013 07:15	1	TAL EDI	JS
A:625	460-52642-I-1-A		460-152058	460-152013	03/21/2013 08:45	1	TAL EDI	MC
P:625	460-52642-H-1-A		240-79448	240-79226	03/23/2013 11:09	1	TAL NC	SE
A:625	460-52642-H-1-A		240-79448	240-79226	03/27/2013 08:03	1	TAL NC	JG
P:608	460-52642-F-1-A		180-67227	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	460-52642-F-1-A		180-67227	180-66997	03/22/2013 14:05	1	TAL PIT	AG
P:608	460-52642-F-1-A		180-67287	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	460-52642-F-1-A		180-67287	180-66997	03/25/2013 16:56	1	TAL PIT	JO
P:608	460-52642-F-1-A		180-67462	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	460-52642-F-1-A		180-67462	180-66997	03/26/2013 21:03	1	TAL PIT	lw
P:3510C	460-52642-G-1-A		180-67073	180-66996	03/21/2013 13:30	1	TAL PIT	CY
A:8141A	460-52642-G-1-A		180-67073	180-66996	03/22/2013 11:10	1	TAL PIT	DE
P:200.8	460-52642-E-1-B ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	460-52642-E-1-B ^5		460-152605	460-152271	03/25/2013 04:27	5	TAL EDI	VD
P:245.1	460-52642-E-1-A		460-152211	460-152172	03/21/2013 17:30	1	TAL EDI	TS
A:245.1	460-52642-E-1-A		460-152211	460-152172	03/21/2013 20:35	1	TAL EDI	TS
P:9012A	460-52642-D-1-A		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	460-52642-D-1-A		460-152069	460-152042	03/21/2013 10:43	1	TAL EDI	JAK
P:Distill/Phenol	460-52642-J-1-A		460-152390	460-152267	03/22/2013 07:00	1	TAL EDI	IA
A:9065	460-52642-J-1-A		460-152390	460-152267	03/22/2013 18:19	1	TAL EDI	MB
A:SM 4500 Cl- E	460-52642-D-1		460-152658		03/25/2013 12:53	1	TAL EDI	MB

Lab ID: **460-52642-1 MS** **Client ID:** **INFLUENT**

Sample Date/Time: 03/20/2013 06:30 Received Date/Time: 03/20/2013 14:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.8	460-52642-E-1-C MS ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	460-52642-E-1-C MS ^5		460-152605	460-152271	03/25/2013 04:31	5	TAL EDI	VD

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	MB 460-152136/4		460-152136		03/21/2013 12:14	1	TAL EDI	FJ
P:625	MB 460-152013/1-A		460-152058	460-152013	03/21/2013 07:15	1	TAL EDI	JS
A:625	MB 460-152013/1-A		460-152058	460-152013	03/21/2013 08:23	1	TAL EDI	MC
P:625	MB 240-79226/2-A		240-79448	240-79226	03/23/2013 11:09	1	TAL NC	SE
A:625	MB 240-79226/2-A		240-79448	240-79226	03/26/2013 17:50	1	TAL NC	JG
P:608	MB 180-66997/1-A		180-67227	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	MB 180-66997/1-A		180-67227	180-66997	03/22/2013 14:29	1	TAL PIT	AG
P:608	MB 180-66997/1-A		180-67287	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	MB 180-66997/1-A		180-67287	180-66997	03/25/2013 17:11	1	TAL PIT	JO
P:608	MB 180-66997/1-A		180-67462	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	MB 180-66997/1-A		180-67462	180-66997	03/26/2013 21:18	1	TAL PIT	lw
P:3510C	MB 180-66996/1-A		180-67073	180-66996	03/21/2013 13:30	1	TAL PIT	CY
A:8141A	MB 180-66996/1-A		180-67073	180-66996	03/22/2013 11:39	1	TAL PIT	DE
P:200.8	MB 460-152271/1-A ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	MB 460-152271/1-A ^5		460-152605	460-152271	03/25/2013 04:02	5	TAL EDI	VD
P:245.1	MB 460-152172/11-A		460-152211	460-152172	03/21/2013 17:30	1	TAL EDI	TS
A:245.1	MB 460-152172/11-A		460-152211	460-152172	03/21/2013 20:20	1	TAL EDI	TS
P:9012A	MB 460-152042/1-A		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	MB 460-152042/1-A		460-152069	460-152042	03/21/2013 10:31	1	TAL EDI	JAK
P:Distill/Phenol	MB 460-150908/1-A		460-151092	460-150908	03/13/2013 07:00	1	TAL EDI	IA
A:9065	MB 460-150908/1-A		460-151092	460-150908	03/14/2013 08:05	1	TAL EDI	MB
P:Distill/Phenol	MB 460-152267/1-A		460-152390	460-152267	03/22/2013 07:00	1	TAL EDI	IA
A:9065	MB 460-152267/1-A		460-152390	460-152267	03/22/2013 18:19	1	TAL EDI	MB
A:SM 4500 Cl- E	MB 460-152658/5		460-152658		03/25/2013 12:53	1	TAL EDI	MB

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	LCS 460-152136/3		460-152136		03/21/2013 10:37	1	TAL EDI	FJ
P:625	LCS 460-152013/2-A		460-152058	460-152013	03/21/2013 07:15	1	TAL EDI	JS
A:625	LCS 460-152013/2-A		460-152058	460-152013	03/21/2013 11:27	1	TAL EDI	MC
P:625	LCS 240-79226/3-A		240-79448	240-79226	03/23/2013 11:09	1	TAL NC	SE
A:625	LCS 240-79226/3-A		240-79448	240-79226	03/26/2013 18:14	1	TAL NC	JG
P:608	LCS 180-66997/4-A		180-67227	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCS 180-66997/4-A		180-67227	180-66997	03/22/2013 14:54	1	TAL PIT	AG
P:608	LCS 180-66997/2-A		180-67287	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCS 180-66997/2-A		180-67287	180-66997	03/25/2013 17:27	1	TAL PIT	JO
P:608	LCS 180-66997/2-A		180-67462	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCS 180-66997/2-A		180-67462	180-66997	03/26/2013 21:34	1	TAL PIT	lw
P:3510C	LCS 180-66996/2-A		180-67073	180-66996	03/21/2013 13:30	1	TAL PIT	CY
A:8141A	LCS 180-66996/2-A		180-67073	180-66996	03/22/2013 12:07	1	TAL PIT	DE
P:200.8	LCS 460-152271/2-A ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	LCS 460-152271/2-A ^5		460-152605	460-152271	03/25/2013 04:06	5	TAL EDI	VD
P:245.1	LCS 460-152172/12-A		460-152211	460-152172	03/21/2013 17:30	1	TAL EDI	TS
A:245.1	LCS 460-152172/12-A		460-152211	460-152172	03/21/2013 20:22	1	TAL EDI	TS
P:Distill/Phenol	LCS 460-150908/2-A		460-151092	460-150908	03/13/2013 07:00	1	TAL EDI	IA
A:9065	LCS 460-150908/2-A		460-151092	460-150908	03/14/2013 08:05	1	TAL EDI	MB
P:Distill/Phenol	LCS 460-152267/2-A		460-152390	460-152267	03/22/2013 07:00	1	TAL EDI	IA
A:9065	LCS 460-152267/2-A		460-152390	460-152267	03/22/2013 18:19	1	TAL EDI	MB

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:625	LCSD 460-152013/3-A		460-152058	460-152013	03/21/2013 07:15	1	TAL EDI	JS
A:625	LCSD 460-152013/3-A		460-152058	460-152013	03/21/2013 08:00	1	TAL EDI	MC
P:608	LCSD 180-66997/5-A		180-67227	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCSD 180-66997/5-A		180-67227	180-66997	03/22/2013 15:18	1	TAL PIT	AG
P:608	LCSD 180-66997/3-A		180-67287	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCSD 180-66997/3-A		180-67287	180-66997	03/25/2013 17:42	1	TAL PIT	JO
P:608	LCSD 180-66997/3-A		180-67462	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCSD 180-66997/3-A		180-67462	180-66997	03/26/2013 21:49	1	TAL PIT	lw
P:3510C	LCSD 180-66996/3-A		180-67073	180-66996	03/21/2013 13:30	1	TAL PIT	CY
A:8141A	LCSD 180-66996/3-A		180-67073	180-66996	03/22/2013 12:36	1	TAL PIT	DE

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 4500 Cl- E	LCSSRM 460-152658/6		460-152658		03/25/2013 12:53	1	TAL EDI	MB

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	LLCS 460-152042/2-A		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	LLCS 460-152042/2-A		460-152069	460-152042	03/21/2013 10:32	1	TAL EDI	JAK

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	HLCS 460-152042/3-A		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	HLCS 460-152042/3-A		460-152069	460-152042	03/21/2013 10:33	1	TAL EDI	JAK

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	460-52471-A-15 MS		460-152136		03/21/2013 12:55	10	TAL EDI	FJ
P:245.1	460-52706-H-2-D MS		460-152211	460-152172	03/21/2013 17:30	1	TAL EDI	TS
A:245.1	460-52706-H-2-D MS		460-152211	460-152172	03/21/2013 20:28	1	TAL EDI	TS
P:9012A	460-52675-F-1-B MS		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	460-52675-F-1-B MS		460-152069	460-152042	03/21/2013 10:35	1	TAL EDI	JAK
P:Distill/Phenol	460-52095-P-1-A MS		460-151092	460-150908	03/13/2013 07:00	1	TAL EDI	IA
A:9065	460-52095-P-1-A MS		460-151092	460-150908	03/14/2013 08:05	1	TAL EDI	MB
A:SM 4500 Cl- E	460-52838-E-1 MS		460-152658		03/25/2013 12:53	1	TAL EDI	MB

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	460-52471-A-15 MSD		460-152136		03/21/2013 13:14	10	TAL EDI	FJ
P:9012A	460-52675-F-1-C MSD		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	460-52675-F-1-C MSD		460-152069	460-152042	03/21/2013 10:36	1	TAL EDI	JAK
P:Distill/Phenol	460-52095-P-1-B MSD		460-151092	460-150908	03/13/2013 07:00	1	TAL EDI	IA
A:9065	460-52095-P-1-B MSD		460-151092	460-150908	03/14/2013 08:05	1	TAL EDI	MB
A:SM 4500 Cl- E	460-52838-E-1 MSD		460-152658		03/25/2013 12:53	1	TAL EDI	MB

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.8	460-52748-D-1-B DU ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	460-52748-D-1-B DU ^5		460-152605	460-152271	03/25/2013 04:17	5	TAL EDI	VD
P:245.1	460-52706-H-2-C DU		460-152211	460-152172	03/21/2013 17:30	1	TAL EDI	TS
A:245.1	460-52706-H-2-C DU		460-152211	460-152172	03/21/2013 20:26	1	TAL EDI	TS

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.8	460-52748-D-1-A PDS ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	460-52748-D-1-A PDS ^5		460-152605	460-152271	03/25/2013 04:09	5	TAL EDI	VD
P:200.8	460-52748-D-1-A SD ^25		460-152605	460-152271	03/22/2013 10:07	25	TAL EDI	QY
A:200.8	460-52748-D-1-A SD ^25		460-152605	460-152271	03/25/2013 04:24	25	TAL EDI	VD
P:245.1	460-52706-H-2-B SD ^5		460-152211	460-152172	03/21/2013 17:30	5	TAL EDI	TS
A:245.1	460-52706-H-2-B SD ^5		460-152211	460-152172	03/21/2013 21:14	5	TAL EDI	TS

Lab References:

TAL EDI = TestAmerica Edison

TAL NC = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

Method 624

Volatile Organic Compounds (GC/MS) by Method 624

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
INFLUENT	460-52642-1	100	88	96
	MB 460-152136/4	102	88	97
	LCS 460-152136/3	102	93	99
	460-52471-A-15 MS	97	91	98
	460-52471-A-15 MSD	95	93	97

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM II 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: a86012.d

Lab ID: LCS 460-152136/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	9.72	49	0-273	
Vinyl chloride	20.0	13.2	66	0-251	
Bromomethane	20.0	21.6	108	0-242	
Chloroethane	20.0	16.2	81	14-230	
1,1-Dichloroethene	20.0	21.0	105	0-234	
Methylene Chloride	20.0	17.5	88	0-221	
trans-1,2-Dichloroethene	20.0	19.8	99	54-156	
1,1-Dichloroethane	20.0	16.0	80	59-155	
Chloroform	20.0	20.1	101	51-138	
1,1,1-Trichloroethane	20.0	23.3	117	52-162	
Carbon tetrachloride	20.0	24.5	123	70-140	
Benzene	20.0	16.3	82	37-151	
1,2-Dichloroethane	20.0	18.2	91	49-155	
Trichloroethene	20.0	21.5	108	71-157	
1,2-Dichloropropane	20.0	13.7	68	0-210	
Bromodichloromethane	20.0	17.2	86	35-155	
2-Chloroethyl vinyl ether	20.0	4.51	23	0-305	
cis-1,3-Dichloropropene	20.0	15.2	76	0-227	
Toluene	20.0	17.2	86	47-150	
trans-1,3-Dichloropropene	20.0	16.6	83	17-183	
1,1,2-Trichloroethane	20.0	15.6	78	52-150	
Tetrachloroethene	20.0	21.8	109	64-148	
Dibromochloromethane	20.0	18.7	93	53-149	
Chlorobenzene	20.0	18.6	93	37-160	
Ethylbenzene	20.0	18.8	94	37-162	
Bromoform	20.0	19.9	100	45-169	
1,1,2,2-Tetrachloroethane	20.0	13.7	69	46-157	
Acrylonitrile	20.0	10.8	54	48-135	
Acrolein	40.0	30.0	75	10-163	
TBA	400	303	76	49-112	
MTBE	20.0	18.5	92	71-115	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: a86018.d

Lab ID: 460-52471-A-15 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Chloromethane	200	ND	91.9	46	0-273	
Vinyl chloride	200	ND	119	60	0-251	
Bromomethane	200	ND	208	104	0-242	
Chloroethane	200	ND	155	78	14-230	
1,1-Dichloroethene	200	ND	190	95	0-234	
Methylene Chloride	200	ND	167	84	0-221	
trans-1,2-Dichloroethene	200	ND	183	92	54-156	
1,1-Dichloroethane	200	ND	143	71	59-155	
Chloroform	200	ND	187	94	51-138	
1,1,1-Trichloroethane	200	ND	209	104	52-162	
Carbon tetrachloride	200	ND	216	108	70-140	
Benzene	200	ND	139	70	37-151	
1,2-Dichloroethane	200	2.6	170	84	49-155	
Trichloroethene	200	5.3	190	92	71-157	
1,2-Dichloropropane	200	ND	120	60	0-210	
Bromodichloromethane	200	ND	150	75	35-155	
2-Chloroethyl vinyl ether	200	ND	ND	0	0-305	
cis-1,3-Dichloropropene	200	ND	125	63	0-227	
Toluene	200	ND	151	75	47-150	
trans-1,3-Dichloropropene	200	ND	137	69	17-183	
1,1,2-Trichloroethane	200	ND	137	69	52-150	
Tetrachloroethene	200	440	445	1	64-148	F
Dibromochloromethane	200	ND	162	81	53-149	
Chlorobenzene	200	ND	165	82	37-160	
Ethylbenzene	200	ND	163	81	37-162	
Bromoform	200	ND	161	80	45-169	
1,1,2,2-Tetrachloroethane	200	ND	124	62	46-157	
Acrylonitrile	200	ND	130	65	48-135	
Acrolein	400	ND	286	72	10-163	
TBA	4000	ND	2640	66	49-112	
MTBE	200	ND	167	84	71-115	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: a86019.d

Lab ID: 460-52471-A-15 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloromethane	200	105	53	13	30	0-273	
Vinyl chloride	200	136	68	14	30	0-251	
Bromomethane	200	220	110	6	30	0-242	
Chloroethane	200	171	85	10	30	14-230	
1,1-Dichloroethene	200	211	105	10	30	0-234	
Methylene Chloride	200	189	95	12	30	0-221	
trans-1,2-Dichloroethene	200	203	102	10	30	54-156	
1,1-Dichloroethane	200	162	81	13	30	59-155	
Chloroform	200	210	105	11	30	51-138	
1,1,1-Trichloroethane	200	231	115	10	30	52-162	
Carbon tetrachloride	200	246	123	13	30	70-140	
Benzene	200	167	83	18	30	37-151	
1,2-Dichloroethane	200	190	94	11	30	49-155	
Trichloroethene	200	210	102	10	30	71-157	
1,2-Dichloropropane	200	142	71	17	30	0-210	
Bromodichloromethane	200	176	88	16	30	35-155	
2-Chloroethyl vinyl ether	200	ND	0	NC	30	0-305	
cis-1,3-Dichloropropene	200	157	78	22	30	0-227	
Toluene	200	181	90	18	30	47-150	
trans-1,3-Dichloropropene	200	167	84	20	30	17-183	
1,1,2-Trichloroethane	200	161	81	16	30	52-150	
Tetrachloroethene	200	473	15	6	30	64-148	F
Dibromochloromethane	200	193	97	18	30	53-149	
Chlorobenzene	200	194	97	16	30	37-160	
Ethylbenzene	200	194	97	17	30	37-162	
Bromoform	200	201	100	22	30	45-169	
1,1,2,2-Tetrachloroethane	200	140	70	12	30	46-157	
Acrylonitrile	200	148	74	13	30	48-135	
Acrolein	400	308	77	7	30	10-163	
TBA	4000	3050	76	14	30	49-112	
MTBE	200	191	95	13	30	71-115	

Column to be used to flag recovery and RPD values

FORM III 624

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab File ID: a86016.d Lab Sample ID: MB 460-152136/4

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

Instrument ID: VOAMS1 Date Analyzed: 03/21/2013 12:14

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-152136/3	a86012.d	03/21/2013 10:37
	460-52471-A-15 MS	a86018.d	03/21/2013 12:55
	460-52471-A-15 MSD	a86019.d	03/21/2013 13:14
INFLUENT	460-52642-1	a86024.d	03/21/2013 14:55

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab File ID: a85544.d BFB Injection Date: 03/12/2013

Instrument ID: VOAMS1 BFB Injection Time: 02:47

Analysis Batch No.: 150795

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.8	
75	30.0 - 60.0 % of mass 95	53.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.4	(0.6)1
174	50.0 - 120.00 % of mass 95	66.9	
175	5.0 - 9.0 % of mass 174	4.7	(7.0)1
176	95.0 - 101.0 % of mass 174	66.7	(99.8)1
177	5.0 - 9.0 % of mass 176	4.1	(6.2)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-150795/2	a85546.d	03/12/2013	03:28
	IC 460-150795/3	a85554.d	03/12/2013	07:14
	IC 460-150795/4	a85555.d	03/12/2013	07:34
	IC 460-150795/5	a85556.d	03/12/2013	07:54
	IC 460-150795/6	a85557.d	03/12/2013	08:14
	IC 460-150795/7	a85558.d	03/12/2013	08:34

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab File ID: a86009.d BFB Injection Date: 03/21/2013

Instrument ID: VOAMS1 BFB Injection Time: 09:36

Analysis Batch No.: 152136

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.4	
75	30.0 - 60.0 % of mass 95	45.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.8	
173	Less than 2.0 % of mass 174	0.7	(0.8)1
174	50.0 - 120.00 % of mass 95	83.1	
175	5.0 - 9.0 % of mass 174	5.4	(6.5)1
176	95.0 - 101.0 % of mass 174	80.4	(96.7)1
177	5.0 - 9.0 % of mass 176	6.8	(8.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-152136/2	a86011.d	03/21/2013	10:17
	LCS 460-152136/3	a86012.d	03/21/2013	10:37
	MB 460-152136/4	a86016.d	03/21/2013	12:14
	460-52471-A-15 MS	a86018.d	03/21/2013	12:55
	460-52471-A-15 MSD	a86019.d	03/21/2013	13:14
INFLUENT	460-52642-1	a86024.d	03/21/2013	14:55

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Sample No.: CCVIS 460-152136/2 Date Analyzed: 03/21/2013 10:17

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): a86011.d Heated Purge: (Y/N) N

Calibration ID: 20644

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		268651	5.36	190372	7.83	116324	9.23
UPPER LIMIT		537302	5.86	380744	8.33	232648	9.73
LOWER LIMIT		134326	4.86	95186	7.33	58162	8.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-152136/3		250740	5.36	176530	7.83	108756	9.21
MB 460-152136/4		217661	5.36	159267	7.83	92242	9.22
460-52471-A-15 MS		241607	5.36	175707	7.83	107278	9.21
460-52471-A-15 MSD		244369	5.36	172128	7.83	107720	9.21
460-52642-1	INFLUENT	234763	5.36	170447	7.83	106766	9.21

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 624

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: a86024.d

Analysis Method: 624 | Date Collected: 03/20/2013 06:30

Sample wt/vol: 5(mL) | Date Analyzed: 03/21/2013 14:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 152136 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	ND		1.0	0.10
75-01-4	Vinyl chloride	ND		1.0	0.14
74-83-9	Bromomethane	ND		1.0	0.18
75-00-3	Chloroethane	ND		1.0	0.17
75-35-4	1,1-Dichloroethene	ND		1.0	0.090
75-09-2	Methylene Chloride	ND		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.13
75-34-3	1,1-Dichloroethane	ND		1.0	0.13
67-66-3	Chloroform	ND		1.0	0.080
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.060
56-23-5	Carbon tetrachloride	ND		1.0	0.060
71-43-2	Benzene	ND		1.0	0.080
107-06-2	1,2-Dichloroethane	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.090
78-87-5	1,2-Dichloropropane	ND		1.0	0.090
75-27-4	Bromodichloromethane	ND		1.0	0.12
110-75-8	2-Chloroethyl vinyl ether	ND		1.0	0.34
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.18
108-88-3	Toluene	ND		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.24
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.19
127-18-4	Tetrachloroethene	ND		1.0	0.10
124-48-1	Dibromochloromethane	ND		1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.10
75-25-2	Bromoform	ND		1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.16
107-13-1	Acrylonitrile	ND		2.0	0.68
107-02-8	Acrolein	ND		4.0	1.3
75-65-0	TBA	ND		20	5.7
1634-04-4	MTBE	ND		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: a86024.d

Analysis Method: 624 | Date Collected: 03/20/2013 06:30

Sample wt/vol: 5(mL) | Date Analyzed: 03/21/2013 14:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 152136 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-130
2037-26-5	Toluene-d8 (Surr)	88		70-130
460-00-4	Bromofluorobenzene	96		70-130

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86024.d
Report Date: 21-Mar-2013 15:23

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86024.d
Lab Smp Id: 460-52642-B-1 Client Smp ID: INFLUENT
Inj Date : 21-MAR-2013 14:55
Operator : VOA GC/MS1 Inst ID: VOAMS1.i
Smp Info : 460-52642-B-1
Misc Info : 460-52642-B-1
Comment :
Method : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/624_09.m
Meth Date : 21-Mar-2013 10:37 jinf Quant Type: ISTD
Cal Date : 12-MAR-2013 08:34 Cal File: a85558.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
38 Cyclohexane	56	4.843	4.856	(0.904)	7703	1.73425	1.7
$ 49 1,2-Dichloroethane-d4 (SUR)	65	5.142	5.148	(0.960)	67168	50.2341	50
* 52 Fluorobenzene	96	5.356	5.355	(1.000)	234763	50.0000	
54 Methyl cyclohexane	83	5.734	5.733	(1.071)	14617	4.05383	4.0
$ 66 Toluene-d8 (SUR)	98	6.715	6.721	(0.858)	161220	43.7817	44
* 77 Chlorobenzene-d5	117	7.831	7.831	(1.000)	170447	50.0000	
82 o-Xylene	106	8.221	8.227	(1.050)	1313	0.35468	0.35
86 Isopropylbenzene	105	8.434	8.440	(1.077)	52997	5.60487	5.6
$ 89 Bromofluorobenzene (SUR)	174	8.562	8.568	(0.930)	72908	48.0680	48
91 n-Propylbenzene	91	8.672	8.678	(0.942)	93151	6.28450	6.3
* 105 1,4-Dichlorobenzene-d4	152	9.208	9.227	(1.000)	106766	50.0000	
110 n-Butylbenzene	91	9.379	9.397	(1.019)	32974	2.14145	2.1

Data File: a86024.d

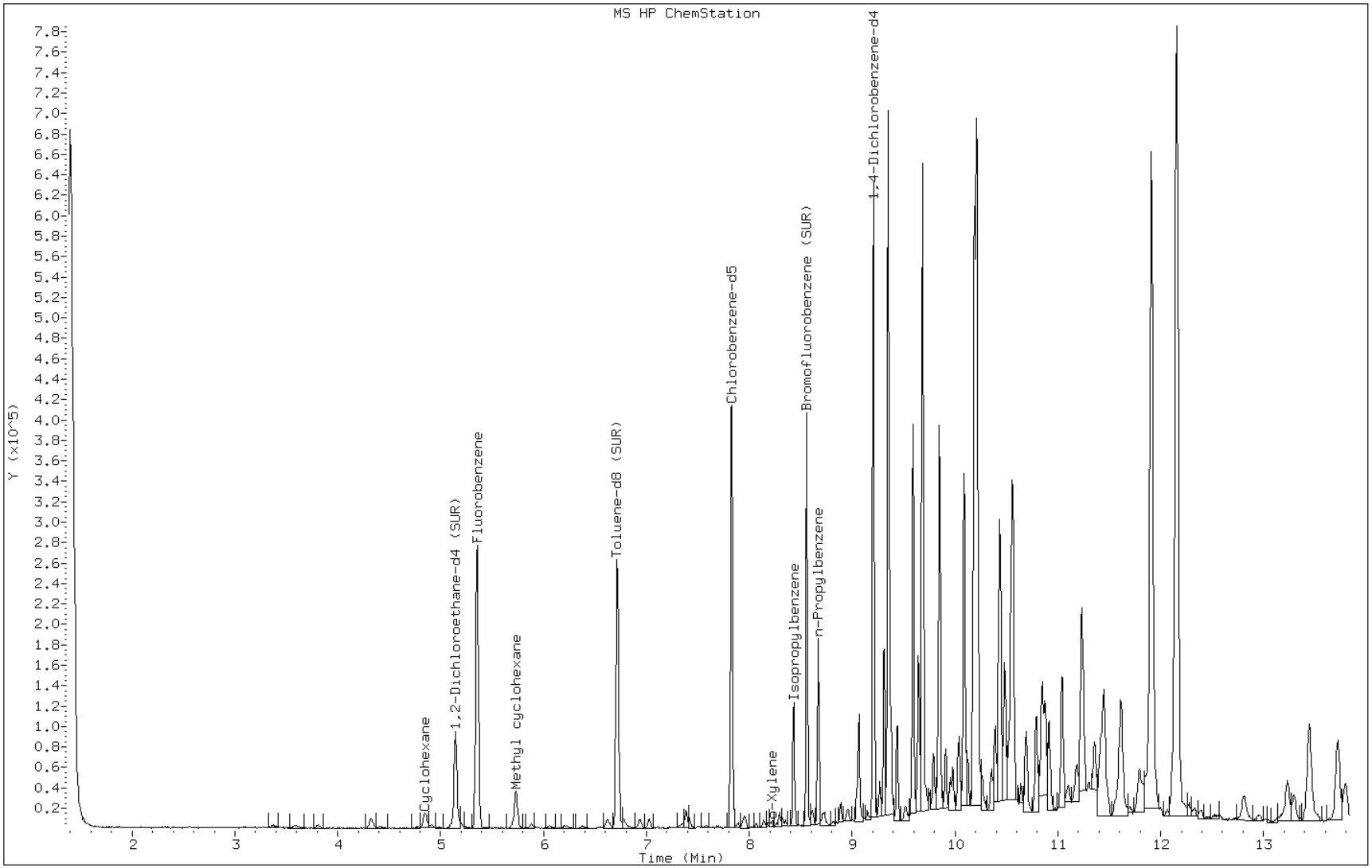
Date: 21-MAR-2013 14:55

Client ID: INFLUENT

Instrument: VOAMS1.i

Sample Info: 460-52642-B-1

Operator: VOA GC/MS1



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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-150795/3	a85554.d
Level 2	IC 460-150795/4	a85555.d
Level 3	ICIS 460-150795/2	a85546.d
Level 4	IC 460-150795/5	a85556.d
Level 5	IC 460-150795/6	a85557.d
Level 6	IC 460-150795/7	a85558.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4601 0.3518	0.4048	0.2483	0.3277	0.3642	Ave		0.3595				19.9		35.0			
Chloromethane	1.1691 0.6580	0.9516	0.6200	0.7072	0.7157	Ave		0.8036				26.5		35.0			
Vinyl chloride	0.9710 0.5718	0.7524	0.5464	0.6008	0.6074	Ave		0.6750				24.0		35.0			
Bromomethane	0.4244 0.2429	0.3129	0.2488	0.2379	0.2354	Ave		0.2837				26.4		35.0			
Chloroethane	0.4573 0.2897	0.3680	0.2917	0.3007	0.2879	Ave		0.3325				20.5		35.0			
Trichlorofluoromethane	0.6290 0.4314	0.5324	0.4343	0.4531	0.4484	Ave		0.4881				16.1		35.0			
n-Pentane	0.1127 0.0827	0.1013	0.0865	0.0862	0.0837	Ave		0.0922				13.1		35.0			
Ethanol	0.0021 0.0017	0.0016	0.0019	0.0016	0.0017	Ave		0.0018				12.2		35.0			
Ethyl ether	0.5231 0.3169	0.4617	0.3457	0.3413	0.3323	Ave		0.3868				21.9		35.0			
Isoprene	0.8257 0.5347	0.7307	0.5769	0.5511	0.5483	Ave		0.6279				19.3		35.0			
Acrolein	0.0655 0.0504	0.0681	0.0580	0.0492	0.0492	Ave		0.0567				15.0		35.0			
Freon TF	0.4031 0.3125	0.3829	0.3221	0.3133	0.3199	Ave		0.3423				11.7		35.0			
1,1-Dichloroethene	0.4320 0.2668	0.3320	0.2902	0.2635	0.2734	Ave		0.3096				21.0		35.0			
Acetone	0.0686 0.0437	0.0473	0.0555	0.0431	0.0477	Ave		0.0510				19.0		35.0			
Iodomethane	0.7253 0.4578	0.5784	0.5022	0.4566	0.4679	Ave		0.5314				19.9		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	2.1314 1.3967	1.6650	1.4272	1.2907	1.3265	Ave		1.5396				20.7		35.0			
Acetonitrile	0.0852 0.0646	0.0701	0.0582	0.0588	0.0651	Ave		0.0670				14.8		35.0			
Methyl acetate	0.0859 0.0749	0.0819	0.0689	0.0643	0.0722	Ave		0.0747				10.8		35.0			
Methylene Chloride	0.6934 0.4169	0.5504	0.4364	0.4113	0.4267	Ave		0.4892				23.0		35.0			
TBA	0.0516 0.0435	0.0401	0.0363	0.0332	0.0390	Ave		0.0406				15.8		35.0			
MTBE	1.5126 1.2631	1.2994	1.1319	1.1289	1.2340	Ave		1.2616				11.2		35.0			
trans-1,2-Dichloroethene	0.5156 0.3796	0.4567	0.3829	0.3655	0.3871	Ave		0.4146				14.2		35.0			
Acrylonitrile	0.2680 0.1791	0.2279	0.1960	0.1795	0.1707	Ave		0.2035				18.5		35.0			
Hexane	0.4576 0.4256	0.4135	0.3732	0.3637	0.3968	Ave		0.4051				8.6		35.0			
DIPE	2.2259 1.9160	1.8590	1.6593	1.7142	1.9021	Ave		1.8794				10.6		35.0			
1,1-Dichloroethane	1.2455 0.8501	1.0569	0.8442	0.8179	0.8667	Ave		0.9469				17.9		35.0			
Vinyl acetate	0.0982 0.0893	0.0730	0.0707	0.0762	0.0849	Ave		0.0820				12.9		35.0			
Allyl alcohol	0.0033 0.0030	0.0041	0.0036	0.0033	0.0035	Ave		0.0035				10.2		35.0			
2,2-Dichloropropane	0.8537 0.6013	0.7241	0.5512	0.5566	0.6004	Ave		0.6479				18.3		35.0			
cis-1,2-Dichloroethene	0.6242 0.4206	0.5318	0.4178	0.4084	0.4274	Ave		0.4717				18.6		35.0			
Ethyl acetate	0.0636 0.0496	0.0446	0.0396	0.0389	0.0454	Ave		0.0470				19.4		35.0			
2-Butanone	0.0547 0.0549	0.0427	0.0483	0.0449	0.0526	Ave		0.0497				10.5		35.0			
Bromochloromethane	0.2485 0.1744	0.2388	0.1747	0.1689	0.1747	Ave		0.1967				18.6		35.0			
Tetrahydrofuran	0.1385 0.1824	0.1404	0.1423	0.1379	0.1691	Ave		0.1518				12.6		35.0			
Chloroform	0.9928 0.7058	0.9214	0.6788	0.6658	0.7013	Ave		0.7777				18.2		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexane	0.9701 1.0301	0.9321	0.8731	0.8761	0.9947	Ave		0.9460				6.8		35.0			
1,1,1-Trichloroethane	0.7424 0.5495	0.6333	0.5199	0.5085	0.5504	Ave		0.5840				15.3		35.0			
Carbon tetrachloride	0.5719 0.4524	0.4880	0.4115	0.3994	0.4418	Ave		0.4608				13.6		35.0			
1,1-Dichloropropene	0.6838 0.5735	0.5681	0.4834	0.4843	0.5444	Ave		0.5562				13.3		35.0			
Benzene	3.9234 2.6392	3.4678	2.5902	2.5131	2.6489	Ave		2.9638				19.8		35.0			
Isopropyl acetate	2.1976 1.3096	1.6219	1.2792	1.2213	1.3557	Ave		1.4976				24.7		35.0			
1,2-Dichloroethane	0.8307 0.6139	0.7879	0.5692	0.5670	0.6055	Ave		0.6624				17.5		35.0			
n-Heptane	0.4577 0.4614	0.4253	0.4061	0.3964	0.4404	Ave		0.4313				6.2		35.0			
n-Butanol	0.0034 +++++	0.0041	0.0042	0.0037	0.0052	Ave		0.0041				15.9		35.0			
Trichloroethene	0.5271 0.3956	0.4699	0.3776	0.3604	0.3855	Ave		0.4193				15.5		35.0			
Ethyl acrylate	1.4263 1.4915	1.3442	1.2357	1.2266	1.4058	Ave		1.3550				7.9		35.0			
Methylcyclohexane	0.7046 0.8200	0.7951	0.7475	0.7313	0.8092	Ave		0.7680				6.1		35.0			
1,2-Dichloropropane	1.0344 0.7716	0.9691	0.7055	0.6819	0.7405	Ave		0.8172				18.1		35.0			
Methyl methacrylate	0.1396 0.1557	0.1166	0.1140	0.1186	0.1430	Ave		0.1313				13.1		35.0			
Propyl acetate	1.6584 1.2390	0.9260	0.8923	0.9236	1.0781	Ave		1.1196				26.3		35.0			
p-Dioxane	0.0033 0.0043	0.0038	0.0040	0.0049	0.0045	Ave		0.0041				13.4		35.0			
Dibromomethane	0.4829 0.3581	0.4790	0.3443	0.3257	0.3452	Ave		0.3892				18.5		35.0			
Bromodichloromethane	1.0710 0.8379	1.0607	0.7528	0.7208	0.7883	Ave		0.8719				17.8		35.0			
2-Chloroethyl vinyl ether	0.3955 0.4457	0.3172	0.3183	0.3216	0.3935	Ave		0.3653				14.8		35.0			
Epichlorohydrin	0.0494 0.0680	0.0468	0.0476	0.0479	0.0595	Ave		0.0532				16.2		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,3-Dichloropropene	1.1485 1.1386	1.1494	0.8983	0.9234	1.0547	Ave		1.0522				11.0		35.0			
4-Methyl-2-pentanone	0.7422 0.9071	0.6004	0.6145	0.6482	0.8004	Ave		0.7188				16.8		35.0			
Toluene	3.5539 2.5107	3.1671	2.4183	2.3787	2.5635	Ave		2.7654				17.4		35.0			
trans-1,3-Dichloropropene	0.9138 0.9378	0.9545	0.7412	0.7741	0.8941	Ave		0.8693				10.3		35.0			
1,1,2-Trichloroethane	0.5813 0.4779	0.6448	0.4328	0.4128	0.4440	Ave		0.4989				18.7		35.0			
Tetrachloroethene	0.7349 0.5182	0.6290	0.4883	0.4671	0.5079	Ave		0.5576				18.6		35.0			
1,3-Dichloropropane	1.1608 1.0206	1.2654	0.8688	0.8586	0.9633	Ave		1.0229				15.9		35.0			
2-Hexanone	0.3724 0.5841	0.3038	0.3373	0.3629	0.4925	Ave		0.4089				26.2		35.0			
Butyl acetate	0.1459 0.1848	0.1376	0.1329	0.1425	0.1694	Ave		0.1522				13.4		35.0			
Dibromochloromethane	0.6066 0.5146	0.6194	0.4440	0.4380	0.4887	Ave		0.5186				15.2		35.0			
1,2-Dibromoethane	0.5942 0.4932	0.6226	0.4322	0.4251	0.4678	Ave		0.5058				16.5		35.0			
Chlorobenzene	2.2071 1.4921	2.0722	1.3981	1.3812	1.4920	Ave		1.6738				21.9		35.0			
Ethylbenzene	1.0978 0.8271	1.0685	0.8099	0.8083	0.8597	Ave		0.9119				14.7		35.0			
1,1,1,2-Tetrachloroethane	0.7640 0.5091	0.7010	0.4932	0.4807	0.5231	Ave		0.5785				21.1		35.0			
m-Xylene & p-Xylene	1.2078 0.9369	1.3167	1.0248	1.0239	1.0662	Ave		1.0960				12.8		35.0			
n-Butyl acrylate	0.3928 0.5216	0.3179	0.3423	0.3892	0.4774	Ave		0.4069				19.3		35.0			
o-Xylene	1.0776 0.9977	1.3026	1.0388	1.0258	1.0731	Ave		1.0859				10.2		35.0			
Styrene	1.8557 1.7017	2.2056	1.7069	1.7156	1.8427	Ave		1.8380				10.5		35.0			
Amyl acetate	1.1117 1.6230	1.0530	1.1435	1.3150	1.5444	Ave		1.2984				18.4		35.0			
Bromoform	0.3928 0.3319	0.4111	0.2939	0.2902	0.3176	Ave		0.3396				15.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropylbenzene	2.8739 2.4118	3.1209	2.6513	2.6945	2.8901	Ave		2.7737				8.8		35.0			
Camphene, Total	0.7818 0.8279	0.6429	0.6282	0.6424	0.7560	Ave		0.7132				12.0		35.0			
1,1,2,2-Tetrachloroethane	2.0842 1.5805	2.2110	1.3995	1.3764	1.5061	Ave		1.6930				21.4		35.0			
Bromobenzene	1.5953 1.2017	1.5775	1.0663	1.0464	1.1343	Ave		1.2702				19.8		35.0			
N-Propylbenzene	7.5003 5.9206	8.2399	6.4139	6.4602	7.1142	Ave		6.9415				12.2		35.0			
1,2,3-Trichloropropane	0.4081 0.3889	0.5088	0.3448	0.3372	0.3661	Ave		0.3923				16.0		35.0			
2-Chlorotoluene	6.3338 5.0627	6.5853	4.8678	4.8691	5.3361	Ave		5.5091				13.8		35.0			
1,3,5-Trimethylbenzene	4.9854 4.4227	5.5193	4.2987	4.3596	4.8456	Ave		4.7385				10.0		35.0			
Butyl Methacrylate	1.4041 1.8807	1.3485	1.3876	1.5400	1.8267	Ave		1.5646				14.9		35.0			
4-Chlorotoluene	5.2734 3.9339	5.5866	3.9148	3.8820	4.1798	Ave		4.4618				17.1		35.0			
tert-Butylbenzene	3.7157 3.6862	3.9097	3.3180	3.3377	3.8939	Ave		3.6435				7.2		35.0			
1,2,4-Trimethylbenzene	4.5790 4.3428	5.4465	4.3140	4.3769	4.8849	Ave		4.6573				9.5		35.0			
sec-Butylbenzene	5.9625 5.2773	6.7957	5.7498	5.7594	6.3416	Ave		5.9810				8.8		35.0			
p-Isopropyltoluene	4.5212 4.3771	5.5937	4.4739	4.5345	5.0810	Ave		4.7636				10.0		35.0			
1,3-Dichlorobenzene	3.2599 2.3951	3.4168	2.3134	2.2514	2.4231	Ave		2.6766				19.4		35.0			
1,4-Dichlorobenzene	3.4963 2.4216	3.4741	2.3829	2.2859	2.4632	Ave		2.7540				20.7		35.0			
Benzyl chloride	3.1230 3.3017	2.5628	2.3647	2.5106	3.0760	Ave		2.8232				13.8		35.0			
n-Butylbenzene	7.7546 6.0588	8.4154	6.9124	6.7860	7.3392	Ave		7.2111				11.4		35.0			
1,2-Dichlorobenzene	3.3016 2.3282	3.2935	2.2326	2.2014	2.3742	Ave		2.6219				20.1		35.0			
1,2-Dibromo-3-Chloropropane	0.3204 0.3085	0.3750	0.2513	0.2357	0.2689	Ave		0.2933				17.6		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Camphor	0.1289 0.1993	0.0940	0.1047	0.1065	0.1523	Ave		0.1309				30.1		35.0			
1,2,4-Trichlorobenzene	2.0912 1.5777	2.0727	1.6030	1.5166	1.7071	Ave		1.7614				14.5		35.0			
Hexachlorobutadiene	1.0611 0.7991	1.1420	0.8531	0.8192	0.9209	Ave		0.9326				15.0		35.0			
Naphthalene	3.6868 4.1132	3.9059	3.4602	3.2650	3.9545	Ave		3.7309				8.6		35.0			
1,2,3-Trichlorobenzene	1.7812 1.3823	1.8360	1.3787	1.2741	1.4821	Ave		1.5224				15.2		35.0			
1,2-Dichloroethane-d4 (Surr)	0.2817 0.2937	0.2823	0.2792	0.2859	0.2860	Ave		0.2848				1.8		35.0			
Toluene-d8 (Surr)	1.0668 1.0974	1.0591	1.0802	1.0857	1.0920	Ave		1.0802				1.4		35.0			
Bromofluorobenzene	0.6867 0.7965	0.7011	0.6874	0.6862	0.7040	Ave		0.7103				6.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-150795/3	a85554.d
Level 2	IC 460-150795/4	a85555.d
Level 3	ICIS 460-150795/2	a85546.d
Level 4	IC 460-150795/5	a85556.d
Level 5	IC 460-150795/6	a85557.d
Level 6	IC 460-150795/7	a85558.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3879 1855624	15976	36144	161660	715922	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	9856 3470559	37557	90265	348865	1406694	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	8186 3015986	29693	79548	296377	1193856	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	3578 1281354	12349	36225	117360	462625	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	3855 1528178	14522	42468	148337	565842	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	5303 2275439	21011	63228	223543	881418	1.00 500	5.00	20.0	50.0	200
n-Pentane	FB	Ave	1900 872374	7992	25186	85029	328877	2.00 1000	10.0	40.0	100	400
Ethanol	FB	Ave	17990 106082	24769	41055	63452	81610	1000 6000	2000	3000	4000	5000
Ethyl ether	FB	Ave	4410 1671260	18222	50330	168350	653171	1.00 500	5.00	20.0	50.0	200
Isoprene	FB	Ave	6961 2820157	28839	83983	271842	1077749	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	2209 212811	10755	16896	48517	96702	4.00 400	20.0	40.0	100	200
Freon TF	FB	Ave	3398 1648056	15110	46887	154574	628692	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethene	FB	Ave	3642 1407077	13104	42241	129969	537435	1.00 500	5.00	20.0	50.0	200
Acetone	FB	Ave	2891 230229	5605	8084	21263	93751	5.00 500	15.0	20.0	50.0	200
Iodomethane	FB	Ave	6115 2414675	22826	73111	225249	919664	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	17969 7366627	65710	207765	636731	2607281	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	14365 6819408	55299	169591	580362	2560961	20.0 10000	100	400	1000	4000
Methyl acetate	FB	Ave	724 394963	3232	10031	31744	141916	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	Ave	5846 2198951	21723	63525	202887	838756	1.00 500	5.00	20.0	50.0	200
TBA	FB	Ave	8704 4590982	31613	105637	327270	1534638	20.0 10000	100	400	1000	4000
MTBE	FB	Ave	12752 6661907	51281	164786	556886	2425475	1.00 500	5.00	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	4347 2002144	18024	55748	180317	760906	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	4519 377765	17987	28537	88541	167798	2.00 200	10.0	20.0	50.0	100
Hexane	FB	Ave	3858 2244686	16320	54323	179430	779951	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	18765 10105777	73366	241562	845643	3738621	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	10500 4483482	41711	122901	403503	1703467	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	1655 941785	5762	20596	75180	333748	2.00 1000	10.0	40.0	100	400
Allyl alcohol	FB	Ave	27942 190935	64026	79084	130618	171211	1000 6000	2000	3000	4000	5000
2,2-Dichloropropane	FB	Ave	7197 3171670	28578	80249	274582	1180002	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	5262 2218624	20986	60820	201483	840014	1.00 500	5.00	20.0	50.0	200
Ethyl acetate	FB	Ave	1073 523227	3524	11524	38341	178606	2.00 1000	10.0	40.0	100	400
2-Butanone	FB	Ave	2305 289621	5050	7033	22128	103386	5.00 500	15.0	20.0	50.0	200
Bromochloromethane	FB	Ave	2095 919758	9425	25431	83297	343305	1.00 500	5.00	20.0	50.0	200
Tetrahydrofuran	FB	Ave	1168 961938	5540	20719	68037	332460	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	8370 3722442	36365	98811	328464	1378422	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	8178 5432850	36785	127099	432169	1955057	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	6259 2898199	24995	75679	250855	1081749	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Carbon tetrachloride	FB	Ave	4821 2386371	19260	59911	197015	868348	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	5765 3024740	22419	70372	238918	1070011	1.00 500	5.00	20.0	50.0	200
Benzene	CBZ	Ave	20793 9174101	87463	243834	817205	3482616	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	37053 13814507	128022	372448	1205013	5329149	2.00 1000	10.0	40.0	100	400
1,2-Dichloroethane	FB	Ave	7003 3237955	31096	82857	279708	1190162	1.00 500	5.00	20.0	50.0	200
n-Heptane	FB	Ave	3859 2433710	16786	59124	195574	865707	1.00 500	5.00	20.0	50.0	200
n-Butanol	FB	Ave	14538 +++++	32558	46282	73856	127433	500 +++++	1000	1500	2000	2500
Trichloroethene	FB	Ave	4444 2086308	18545	54969	177770	757767	1.00 500	5.00	20.0	50.0	200
Ethyl acrylate	FB	Ave	12024 7866750	53051	179888	605116	2763128	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	5940 4325030	31381	108822	360751	1590410	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	CBZ	Ave	5482 2682083	24442	66409	221752	973545	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	CBZ	Ave	740 541214	2941	10736	38568	188043	1.00 500	5.00	20.0	50.0	200
Propyl acetate	CBZ	Ave	8789 4306851	23355	84000	300352	1417401	1.00 500	5.00	20.0	50.0	200
p-Dioxane	CBZ	Ave	870 8989	1918	2842	6325	7395	50.0 300	100	150	200	250
Dibromomethane	CBZ	Ave	2559 1244678	12081	32412	105906	453818	1.00 500	5.00	20.0	50.0	200
Bromodichloromethane	CBZ	Ave	5676 2912799	26751	70870	234377	1036464	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	CBZ	Ave	2096 1549468	7999	29965	104578	517338	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	CBZ	Ave	5238 4726151	23609	89652	311770	1565534	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBZ	Ave	6087 3957884	28989	84565	300287	1386600	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone	CBZ	Ave	19667 3153101	45432	57843	210788	1052258	5.00 500	15.0	20.0	50.0	200
Toluene	CBZ	Ave	18835 8727417	79879	227649	773524	3370338	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	CBZ	Ave	4843 3259820	24074	69778	251714	1175551	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	3081 1661338	16263	40740	134228	583707	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	3895 1801491	15864	45968	151881	667741	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	6152 3547598	31915	81787	279185	1266472	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	9867 2030509	22988	31754	118019	647565	5.00 500	15.0	20.0	50.0	200
Butyl acetate	CBZ	Ave	1546 1284531	6943	25025	92702	445353	2.00 1000	10.0	40.0	100	400
Dibromochloromethane	CBZ	Ave	3215 1788920	15621	41800	142414	642549	1.00 500	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	3149 1714435	15704	40683	138224	615055	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBZ	Ave	11697 5186641	52264	131611	449140	1961621	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	5818 2874986	26948	76240	262849	1130275	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	4049 1769540	17680	46425	156315	687713	1.00 500	5.00	20.0	50.0	200
m-Xylene & p-Xylene	CBZ	Ave	12802 6513235	66416	192947	665900	2803511	2.00 1000	10.0	40.0	100	400
n-Butyl acrylate	CBZ	Ave	2082 1813045	8019	32226	126548	627633	1.00 500	5.00	20.0	50.0	200
o-Xylene	CBZ	Ave	5711 3468127	32854	97788	333582	1410878	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	9835 5915343	55628	160678	557869	2422587	1.00 500	5.00	20.0	50.0	200
Amyl acetate	CBZ	Ave	5892 5641694	26557	107647	427607	2030413	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	2082 1153815	10369	27668	94352	417596	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	15231 8383592	78712	249584	876206	3799690	1.00 500	5.00	20.0	50.0	200
Camphene, Total	DCB	Ave	2245 1341994	8728	32647	116207	519465	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	5985 2562019	30017	72735	248997	1034881	1.00 500	5.00	20.0	50.0	200
Bromobenzene	DCB	Ave	4581 1947921	21416	55416	189290	779410	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Propylbenzene	DCB	Ave	21538 9597339	111867	333336	1168676	4888295	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	1172 630469	6908	17921	60994	251587	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	18188 8206726	89404	252985	880828	3666574	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	14316 7169276	74931	223409	788663	3329528	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	Ave	4032 3048719	18308	72116	278593	1255169	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	15143 6376966	75846	203456	702270	2872040	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	10670 5975436	53079	172439	603800	2675583	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	13149 7039696	73943	224202	791802	3356538	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	17122 8554576	92260	298822	1041896	4357459	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	Ave	12983 7095348	75942	232512	820313	3491273	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	9361 3882503	46388	120231	407284	1664945	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	10040 3925500	47165	123842	413526	1692539	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	8968 5352200	34794	122897	454180	2113577	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	22268 9821489	114250	359248	1227613	5042884	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	9481 3774100	44713	116031	398241	1631349	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	920 500077	5091	13062	42644	184778	1.00 500	5.00	20.0	50.0	200
Camphor	DCB	Ave	1851 1615069	6382	27217	96286	523258	5.00 2500	25.0	100	250	1000
1,2,4-Trichlorobenzene	DCB	Ave	6005 2557564	28139	83309	274358	1172968	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	3047 1295341	15504	44339	148189	632749	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	Ave	10587 6667567	53027	179831	590640	2717199	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	5115 2240686	24926	71654	230487	1018373	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichloroethane-d4 (Surr)	FB	Ave	118732 154931	111397	101597	141022	140512	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	282689 381469	267131	254207	353048	358930	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	98590 129116	95188	89316	124138	120933	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:
Ave = Average ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVIS 460-152136/2 Calibration Date: 03/21/2013 10:17

Instrument ID: VOAMS1 Calib Start Date: 03/12/2013 03:28

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/12/2013 08:34

Lab File ID: a86011.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3595	0.3905		21.7	20.0	8.6	50.0
Chloromethane	Ave	0.8036	0.3887	0.1000	9.67	20.0	-51.6	104.0
Vinyl chloride	Ave	0.6750	0.4290		12.7	20.0	-36.4	96.0
Bromomethane	Ave	0.2837	0.3101		21.9	20.0	9.3	86.0
Chloroethane	Ave	0.3325	0.2726		16.4	20.0	-18.0	62.0
Trichlorofluoromethane	Ave	0.4881	0.6401		26.2	20.0	31.1	52.0
n-Pentane	Ave	0.0922	0.0694		30.1	40.0	-24.7	50.0
Ethanol	Ave	0.0018	0.0008		1340	3000	-55.5*	50.0
Ethyl ether	Ave	0.3868	0.2826		14.6	20.0	-27.0	50.0
Isoprene	Ave	0.6279	0.5196		16.6	20.0	-17.2	50.0
Acrolein	Ave	0.0567	0.0422		29.8	40.0	-25.6	99.0
Freon TF	Ave	0.3423	0.3888		22.7	20.0	13.6	50.0
1,1-Dichloroethene	Ave	0.3096	0.3110		20.1	20.0	0.4	49.5
Acetone	Ave	0.0510	0.0605		23.7	20.0	18.6	50.0
Iodomethane	Ave	0.5314	0.6529		24.6	20.0	22.9	50.0
Carbon disulfide	Ave	1.540	1.309		17.0	20.0	-15.0	50.0
Acetonitrile	Ave	0.0670	0.0461		275	400	-31.2	50.0
Methyl acetate	Ave	0.0747	0.0608		16.3	20.0	-18.6	50.0
Methylene Chloride	Ave	0.4892	0.4061		16.6	20.0	-17.0	39.5
TBA	Ave	0.0406	0.0276		271	400	-32.1	50.0
MTBE	Ave	1.262	1.096		17.4	20.0	-13.1	50.0
trans-1,2-Dichloroethene	Ave	0.4146	0.3839		18.5	20.0	-7.4	30.5
Acrylonitrile	Ave	0.2035	0.1057		10.4	20.0	-48.1	50.0
Hexane	Ave	0.4051	0.3103		15.3	20.0	-23.4	50.0
DIPE	Ave	1.879	1.083		11.5	20.0	-42.4	50.0
1,1-Dichloroethane	Ave	0.9469	0.7155	0.1000	15.1	20.0	-24.4	27.5
Vinyl acetate	Ave	0.0820	0.0737		35.9	40.0	-10.2	50.0
Allyl alcohol	Ave	0.0035	0.0028		2380	3000	-20.7	50.0
2,2-Dichloropropane	Ave	0.6479	0.6697		20.7	20.0	3.4	50.0
cis-1,2-Dichloroethene	Ave	0.4717	0.4335		18.4	20.0	-8.1	50.0
2-Butanone	Ave	0.0497	0.0537		21.6	20.0	8.1	50.0
Ethyl acetate	Ave	0.0470	0.0407		34.6	40.0	-13.4	50.0
Bromochloromethane	Ave	0.1967	0.2057		20.9	20.0	4.6	50.0
Tetrahydrofuran	Ave	0.1518	0.0852		11.2	20.0	-43.9	50.0
Chloroform	Ave	0.7777	0.7265		18.7	20.0	-6.6	32.5
Cyclohexane	Ave	0.9460	0.6900		14.6	20.0	-27.1	50.0
1,1,1-Trichloroethane	Ave	0.5840	0.6435		22.0	20.0	10.2	25.0
Carbon tetrachloride	Ave	0.4608	0.5466		23.7	20.0	18.6	27.0
1,1-Dichloropropene	Ave	0.5562	0.5490		19.7	20.0	-1.3	50.0
Benzene	Ave	2.964	2.282		15.4	20.0	-23.0	36.0
Isopropyl acetate	Ave	1.498	0.8825		23.6	40.0	-41.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVIS 460-152136/2 Calibration Date: 03/21/2013 10:17

Instrument ID: VOAMS1 Calib Start Date: 03/12/2013 03:28

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/12/2013 08:34

Lab File ID: a86011.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane	Ave	0.6624	0.5929		17.9	20.0	-10.5	32.0
n-Heptane	Ave	0.4313	0.3291		15.3	20.0	-23.7	50.0
n-Butanol	Ave	0.0041	0.0033		1210	1500	-19.6	50.0
Trichloroethene	Ave	0.4193	0.4256		20.3	20.0	1.5	33.5
Ethyl acrylate	Ave	1.355	1.029		15.2	20.0	-24.1	50.0
Methylcyclohexane	Ave	0.7680	0.7630		19.9	20.0	-0.6	50.0
1,2-Dichloropropane	Ave	0.8172	0.5430		13.3	20.0	-33.5	66.0
Methyl methacrylate	Ave	0.1313	0.1159		17.7	20.0	-11.7	50.0
Propyl acetate	Ave	1.120	0.5685		10.2	20.0	-49.2	50.0
p-Dioxane	Ave	0.0041	0.0030		108	150	-28.1	50.0
Dibromomethane	Ave	0.3892	0.3344		17.2	20.0	-14.1	50.0
Bromodichloromethane	Ave	0.8719	0.7435		17.1	20.0	-14.7	34.5
2-Chloroethyl vinyl ether	Ave	0.3653	0.0862		4.72	20.0	-76.4	124.0
Epichlorohydrin	Ave	0.0532	0.0372		280	400	-30.1	50.0
cis-1,3-Dichloropropene	Ave	1.052	0.7962		15.1	20.0	-24.3	76.0
4-Methyl-2-pentanone	Ave	0.7188	0.3983		11.1	20.0	-44.6	50.0
Toluene	Ave	2.765	2.299		16.6	20.0	-16.9	25.5
trans-1,3-Dichloropropene	Ave	0.8693	0.7201		16.6	20.0	-17.2	50.0
1,1,2-Trichloroethane	Ave	0.4989	0.3691		14.8	20.0	-26.0	29.0
Tetrachloroethene	Ave	0.5576	0.5951		21.3	20.0	6.7	26.5
1,3-Dichloropropane	Ave	1.023	0.7718		15.1	20.0	-24.5	50.0
2-Hexanone	Ave	0.4089	0.2645		12.9	20.0	-35.3	50.0
Butyl acetate	Ave	0.1522	0.1135		29.8	40.0	-25.4	50.0
Dibromochloromethane	Ave	0.5186	0.4802		18.5	20.0	-7.4	32.5
1,2-Dibromoethane	Ave	0.5058	0.4455		17.6	20.0	-11.9	50.0
Chlorobenzene	Ave	1.674	1.487	0.3000	17.8	20.0	-11.2	34.0
Ethylbenzene	Ave	0.9119	0.8253		18.1	20.0	-9.5	41.0
1,1,1,2-Tetrachloroethane	Ave	0.5785	0.5599		19.4	20.0	-3.2	50.0
m-Xylene & p-Xylene	Ave	1.096	1.070		39.1	40.0	-2.4	50.0
n-Butyl acrylate	Ave	0.4069	0.3186		15.7	20.0	-21.7	50.0
o-Xylene	Ave	1.086	1.068		19.7	20.0	-1.7	50.0
Styrene	Ave	1.838	1.747		19.0	20.0	-5.0	50.0
Amyl acetate	Ave	1.298	0.8642		13.3	20.0	-33.4	50.0
Bromoform	Ave	0.3396	0.3221	0.1000	19.0	20.0	-5.2	29.0
Isopropylbenzene	Ave	2.774	2.882		20.8	20.0	3.9	50.0
Camphene, Total	Ave	0.7132	0.4805		13.5	20.0	-32.6	50.0
1,1,2,2-Tetrachloroethane	Ave	1.693	1.097	0.3000	13.0	20.0	-35.2	39.5
Bromobenzene	Ave	1.270	1.121		17.6	20.0	-11.8	50.0
N-Propylbenzene	Ave	6.942	5.856		16.9	20.0	-15.6	50.0
1,2,3-Trichloropropane	Ave	0.3923	0.3393		17.3	20.0	-13.5	50.0
2-Chlorotoluene	Ave	5.509	4.688		17.0	20.0	-14.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVIS 460-152136/2 Calibration Date: 03/21/2013 10:17

Instrument ID: VOAMS1 Calib Start Date: 03/12/2013 03:28

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/12/2013 08:34

Lab File ID: a86011.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3,5-Trimethylbenzene	Ave	4.739	4.445		18.8	20.0	-6.2	50.0
Butyl Methacrylate	Ave	1.565	1.259		16.1	20.0	-19.5	50.0
4-Chlorotoluene	Ave	4.462	3.826		17.2	20.0	-14.2	50.0
tert-Butylbenzene	Ave	3.644	3.315		18.2	20.0	-9.0	50.0
1,2,4-Trimethylbenzene	Ave	4.657	4.343		18.6	20.0	-6.8	50.0
sec-Butylbenzene	Ave	5.981	5.597		18.7	20.0	-6.4	50.0
p-Isopropyltoluene	Ave	4.764	4.660		19.6	20.0	-2.2	50.0
1,3-Dichlorobenzene	Ave	2.677	2.436		18.2	20.0	-9.0	27.0
1,4-Dichlorobenzene	Ave	2.754	2.522		18.3	20.0	-8.4	37.0
Benzyl chloride	Ave	2.823	2.257		16.0	20.0	-20.1	50.0
n-Butylbenzene	Ave	7.211	6.419		17.8	20.0	-11.0	50.0
1,2-Dichlorobenzene	Ave	2.622	2.384		18.2	20.0	-9.1	37.0
1,2-Dibromo-3-Chloropropane	Ave	0.2933	0.2138		14.6	20.0	-27.1	50.0
Camphor	Ave	0.1309	0.1008		76.9	100	-23.1	50.0
1,2,4-Trichlorobenzene	Ave	1.761	1.722		19.5	20.0	-2.3	50.0
Hexachlorobutadiene	Ave	0.9326	0.9387		20.1	20.0	0.7	50.0
Naphthalene	Ave	3.731	3.373		18.1	20.0	-9.6	50.0
1,2,3-Trichlorobenzene	Ave	1.522	1.475		19.4	20.0	-3.1	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2848	0.2856		50.2	50.0	0.3	
Toluene-d8 (Surr)	Ave	1.080	1.024		47.4	50.0	-5.2	
Bromofluorobenzene	Ave	0.7103	0.6799		47.9	50.0	-4.3	

Data File: /chem/VOAMS1.i/624_09/03-12-13/12mar13a.b/a85544.d
Report Date: 12-Mar-2013 05:47

TestAmerica

Data file : /chem/VOAMS1.i/624_09/03-12-13/12mar13a.b/a85544.d
Lab Smp Id: BFB
Inj Date : 12-MAR-2013 02:47
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS1.i/624_09/03-12-13/12mar13a.b/VOABFB.m
Meth Date : 02-May-2012 09:50 moroneyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

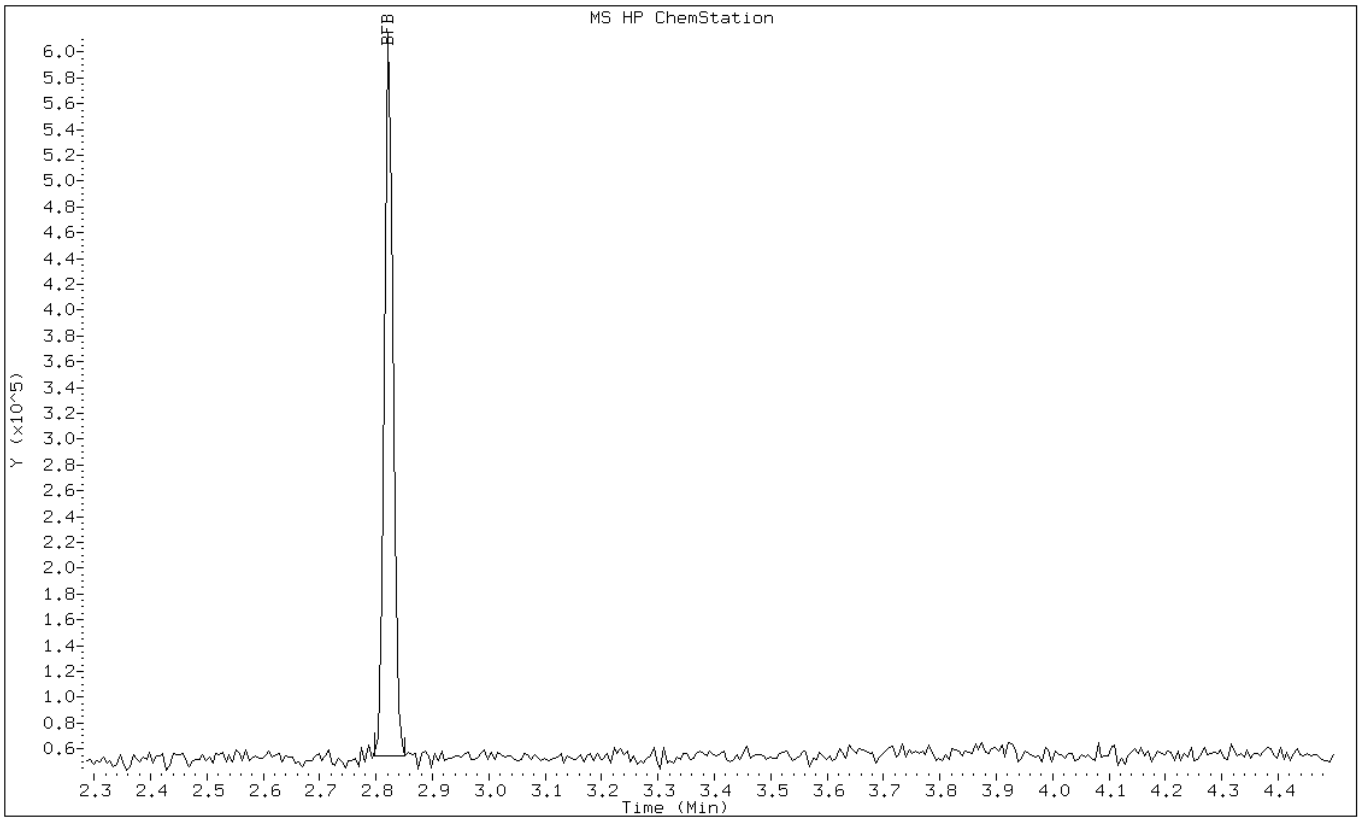
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.822	2.900 (0.000)	95	93730			0.00- 100.00	100.00
2.822	2.900 (0.000)	50	23233			15.00- 40.00	24.79
2.822	2.900 (0.000)	75	50520			30.00- 60.00	53.90
2.822	2.900 (0.000)	96	6002			5.00- 9.00	6.40
2.822	2.900 (0.000)	173	378			0.00- 2.00	0.60
2.822	2.900 (0.000)	174	62677			50.00- 100.00	66.87
2.822	2.900 (0.000)	175	4388			5.00- 9.00	7.00
2.822	2.900 (0.000)	176	62552			95.00- 101.00	99.80
2.822	2.900 (0.000)	177	3856			5.00- 9.00	6.16

Data File: a85544.d

Date: 12-MAR-2013 02:47

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1



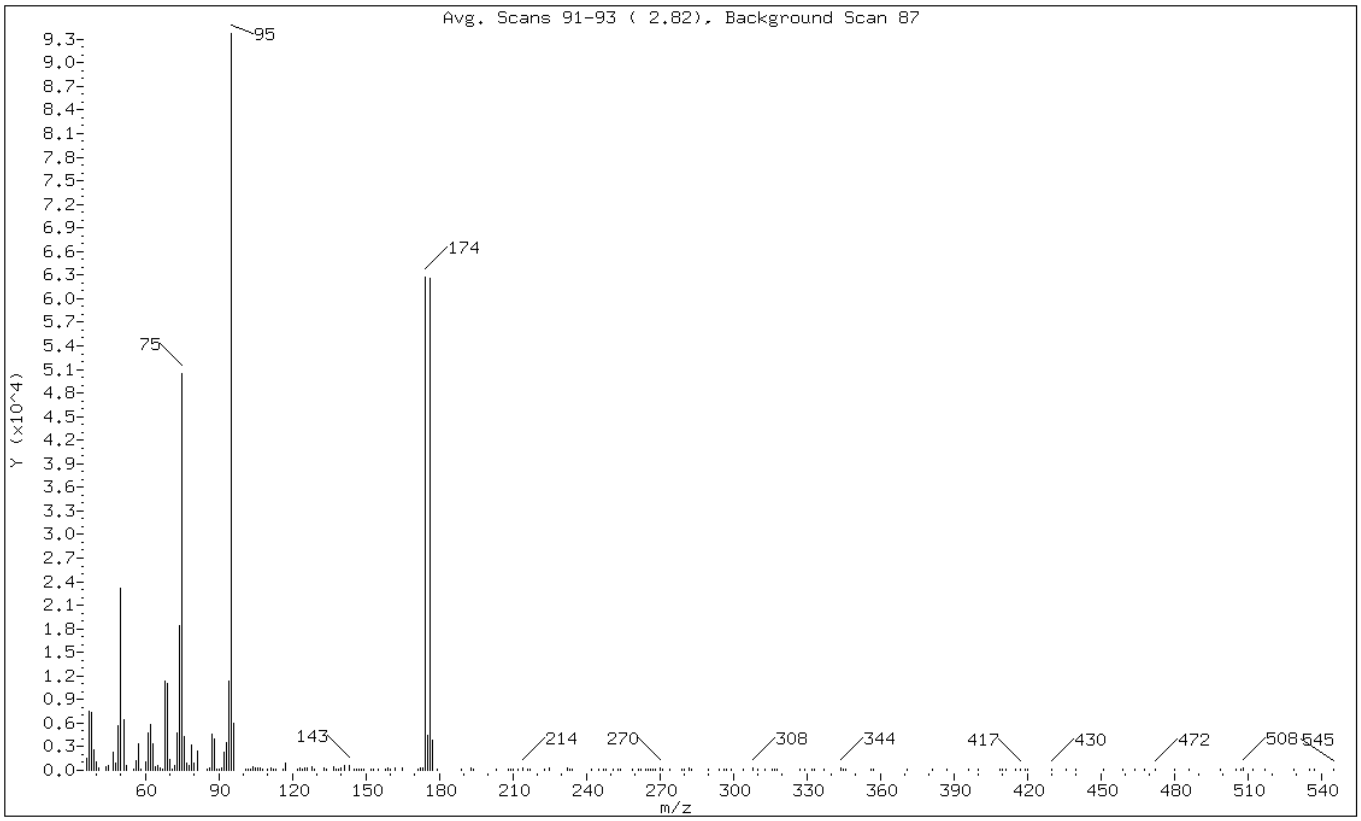
Data File: a85544.d

Date: 12-MAR-2013 02:47

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.79
75	30.00 - 60.00% of mass 95	53.90
96	5.00 - 9.00% of mass 95	6.40
173	Less than 2.00% of mass 174	0.40 (0.60)
174	50.00 - 100.00% of mass 95	66.87
175	5.00 - 9.00% of mass 174	4.68 (7.00)
176	95.00 - 101.00% of mass 174	66.74 (99.80)
177	5.00 - 9.00% of mass 176	4.11 (6.16)

Data File: a85544.d

Date: 12-MAR-2013 02:47

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS1.i/624_09/03-12-13/12mar13a.b/a85544.d
Spectrum: Avg. Scans 91-93 (2.82), Background Scan 87
Location of Maximum: 95.00
Number of points: 194

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1478	94.00	11331	175.00	4388	310.00	148
37.00	7546	95.00	93728	176.00	62552	313.00	227
38.00	7315	96.00	6002	177.00	3856	316.00	100
39.00	2607	101.00	87	179.00	105	317.00	113
40.00	1052	102.00	211	189.00	96	318.00	84
41.00	294	103.00	135	193.00	253	327.00	199
44.00	386	104.00	424	194.00	200	329.00	128
45.00	652	105.00	247	203.00	97	332.00	86
47.00	2287	106.00	293	208.00	98	333.00	148
48.00	914	107.00	264	209.00	168	337.00	101
49.00	5600	108.00	112	210.00	209	344.00	294
50.00	23232	110.00	137	212.00	99	345.00	99
51.00	6506	111.00	249	214.00	352	346.00	83
52.00	659	112.00	134	216.00	91	356.00	102
55.00	154	113.00	101	217.00	182	357.00	85
56.00	1168	116.00	102	223.00	94	371.00	188
57.00	3401	117.00	906	225.00	238	381.00	126
58.00	205	122.00	119	232.00	326	387.00	116
60.00	1084	123.00	380	233.00	107	396.00	185
61.00	4730	124.00	169	234.00	206	400.00	118
62.00	5764	125.00	295	242.00	188	409.00	88
63.00	3331	126.00	254	245.00	101	410.00	91
64.00	498	128.00	452	247.00	102	411.00	126
65.00	567	129.00	207	248.00	94	415.00	132
66.00	335	133.00	272	251.00	100	417.00	206
67.00	144	134.00	210	253.00	201	419.00	178
68.00	11331	137.00	396	254.00	152	420.00	174
69.00	11051	138.00	90	259.00	88	430.00	202
70.00	1426	139.00	95	261.00	147	436.00	107
71.00	98	140.00	293	262.00	159	440.00	98
72.00	649	141.00	540	264.00	107	451.00	101
73.00	4741	143.00	607	265.00	172	459.00	107
74.00	18408	145.00	105	266.00	161	464.00	91
75.00	50520	146.00	139	267.00	191	468.00	132
76.00	4276	147.00	229	268.00	118	472.00	152
77.00	854	148.00	123	270.00	346	480.00	97
78.00	543	149.00	94	271.00	118	486.00	99
79.00	3293	152.00	155	274.00	163	499.00	94
80.00	945	153.00	102	279.00	97	505.00	116
81.00	2439	155.00	102	280.00	88	507.00	92

85.00	170	158.00	141	282.00	261	508.00	266
86.00	379	159.00	241	283.00	230	512.00	131
87.00	4551	160.00	103	290.00	121	517.00	93
88.00	3934	162.00	329	294.00	91	529.00	204
89.00	106	165.00	238	296.00	169	535.00	98
90.00	210	171.00	148	297.00	89	537.00	104
91.00	351	172.00	308	299.00	107	545.00	136
92.00	2372	173.00	378	304.00	99		
93.00	3584	174.00	62672	308.00	255		

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86009.d
Report Date: 21-Mar-2013 09:43

TestAmerica

Data file : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86009.d
Lab Smp Id: BFB
Inj Date : 21-MAR-2013 09:36
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/VOABFB.m
Meth Date : 02-May-2012 09:50 moroneyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

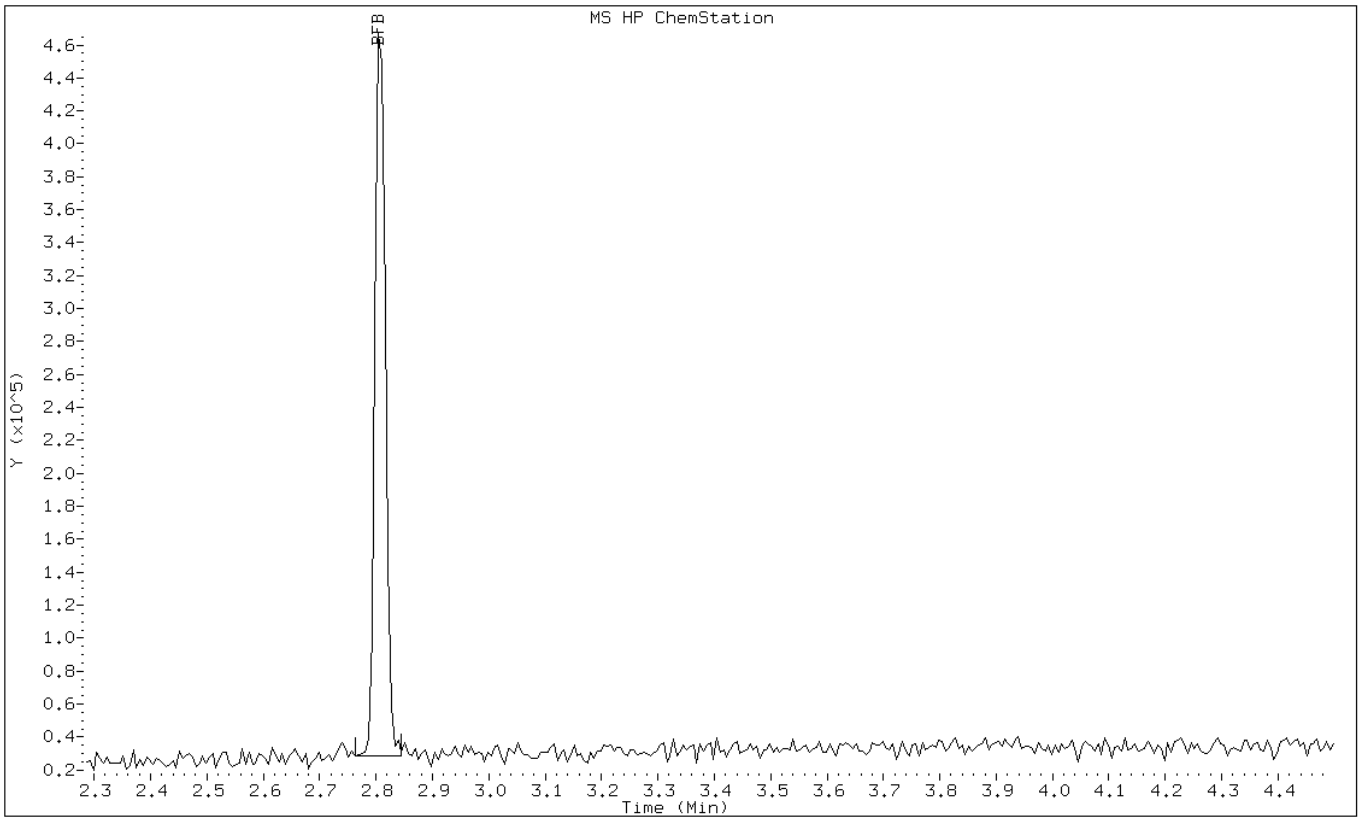
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.805	2.900 (0.000)	95	56720			0.00- 100.00	100.00
2.805	2.900 (0.000)	50	8738			15.00- 40.00	15.41
2.805	2.900 (0.000)	75	25520			30.00- 60.00	44.99
2.805	2.900 (0.000)	96	3291			5.00- 9.00	5.80
2.805	2.900 (0.000)	173	391			0.00- 2.00	0.83
2.805	2.900 (0.000)	174	47160			50.00- 100.00	83.15
2.805	2.900 (0.000)	175	3063			5.00- 9.00	6.49
2.805	2.900 (0.000)	176	45592			95.00- 101.00	96.68
2.805	2.900 (0.000)	177	3882			5.00- 9.00	8.51

Data File: a86009.d

Date: 21-MAR-2013 09:36

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1



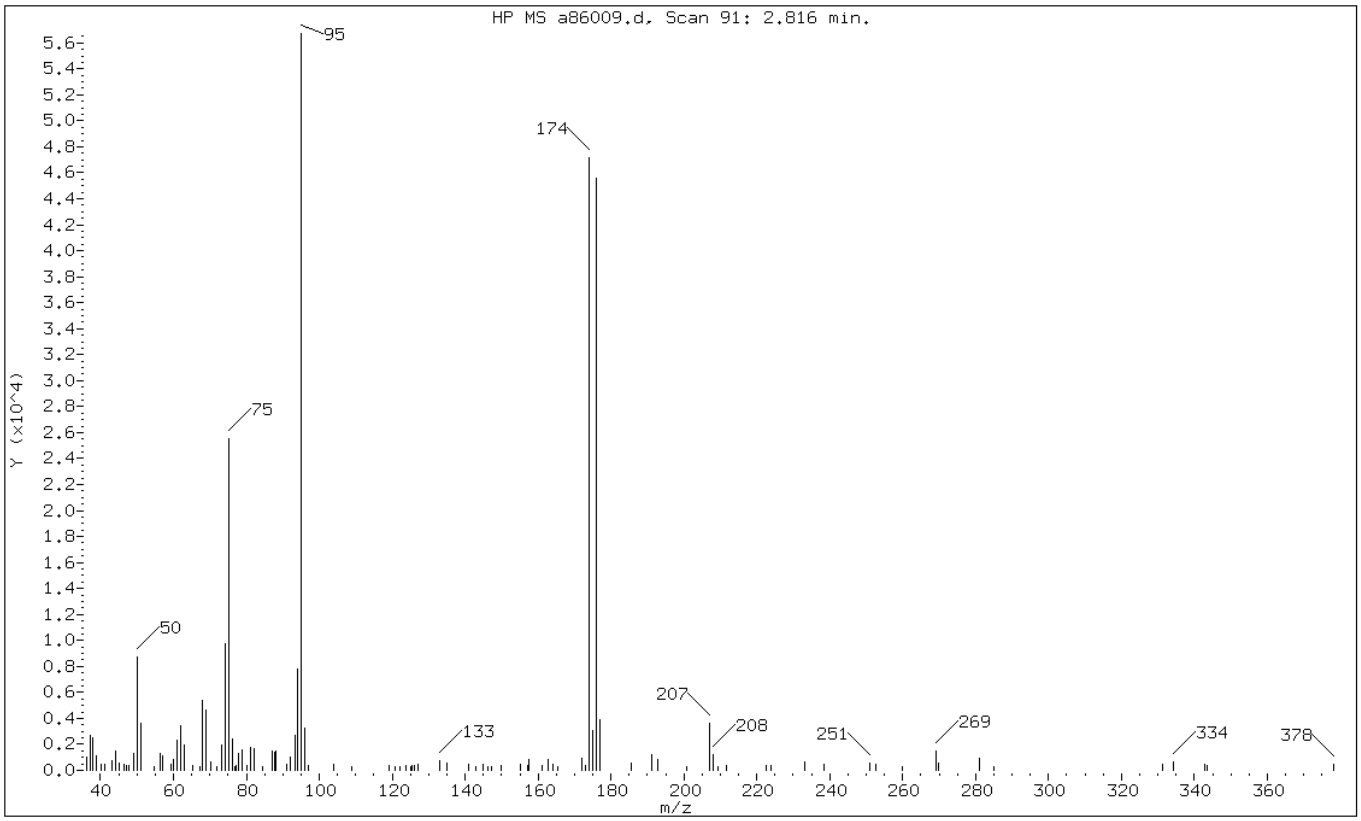
Data File: a86009.d

Date: 21-MAR-2013 09:36

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.41
75	30.00 - 60.00% of mass 95	44.99
96	5.00 - 9.00% of mass 95	5.80
173	Less than 2.00% of mass 174	0.69 (0.83)
174	50.00 - 100.00% of mass 95	83.15
175	5.00 - 9.00% of mass 174	5.40 (6.49)
176	95.00 - 101.00% of mass 174	80.38 (96.68)
177	5.00 - 9.00% of mass 176	6.84 (8.51)

Data File: a86009.d

Date: 21-MAR-2013 09:36

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86009.d
Spectrum: HP MS a86009.d, Scan 91: 2.816 min.
Location of Maximum: 95.10
Number of points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.20	1006	70.20	650	120.80	255	177.00	3882
37.10	2692	72.00	298	122.10	294	185.40	594
37.90	2527	73.10	1962	123.90	397	191.10	1223
39.00	1083	74.10	9759	125.00	250	192.90	829
40.20	477	75.10	25520	125.50	415	200.80	282
41.10	447	76.10	2382	126.20	325	207.00	3646
43.20	771	76.80	310	127.20	424	208.10	1244
44.10	1464	77.20	373	133.10	700	209.30	270
45.10	577	77.80	1334	134.90	540	211.50	380
46.30	480	78.90	1533	141.10	494	222.60	391
47.20	362	80.10	331	142.80	297	223.90	326
47.90	372	81.00	1771	145.00	436	233.20	607
49.10	1336	82.00	1639	146.20	298	238.30	463
50.00	8738	84.30	252	147.30	256	250.90	518
51.10	3614	87.00	1509	150.00	340	252.80	476
54.60	261	87.80	1436	155.00	464	259.90	291
56.20	1329	88.20	1443	157.00	397	269.20	1442
57.10	1119	91.20	454	157.50	860	269.90	552
59.20	485	92.10	1062	161.10	346	281.10	916
60.00	863	93.20	2690	162.90	867	285.00	311
61.10	2303	94.10	7777	164.20	481	331.30	508
62.00	3392	95.10	56720	165.30	274	334.20	643
63.10	1911	96.00	3291	171.90	889	343.00	501
65.20	356	96.90	342	173.00	391	343.50	358
67.10	305	103.90	472	174.00	47160	378.20	447
68.00	5357	108.90	259	174.90	3063		
69.00	4677	119.00	409	176.00	45592		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-152136/4
Matrix: Water
Lab File ID: a86016.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 12:14
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	ND		1.0	0.10
75-01-4	Vinyl chloride	ND		1.0	0.14
74-83-9	Bromomethane	ND		1.0	0.18
75-00-3	Chloroethane	ND		1.0	0.17
75-35-4	1,1-Dichloroethene	ND		1.0	0.090
75-09-2	Methylene Chloride	ND		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.13
75-34-3	1,1-Dichloroethane	ND		1.0	0.13
67-66-3	Chloroform	ND		1.0	0.080
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.060
56-23-5	Carbon tetrachloride	ND		1.0	0.060
71-43-2	Benzene	ND		1.0	0.080
107-06-2	1,2-Dichloroethane	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.090
78-87-5	1,2-Dichloropropane	ND		1.0	0.090
75-27-4	Bromodichloromethane	ND		1.0	0.12
110-75-8	2-Chloroethyl vinyl ether	ND		1.0	0.34
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.18
108-88-3	Toluene	ND		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.24
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.19
127-18-4	Tetrachloroethene	ND		1.0	0.10
124-48-1	Dibromochloromethane	ND		1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.10
75-25-2	Bromoform	ND		1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.16
107-13-1	Acrylonitrile	ND		2.0	0.68
107-02-8	Acrolein	ND		4.0	1.3
75-65-0	TBA	ND		20	5.7
1634-04-4	MTBE	ND		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-152136/4
Matrix: Water
Lab File ID: a86016.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 12:14
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-130
2037-26-5	Toluene-d8 (Surr)	88		70-130
460-00-4	Bromofluorobenzene	97		70-130

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86016.d
Report Date: 21-Mar-2013 13:36

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86016.d
Lab Smp Id: MB
Inj Date : 21-MAR-2013 12:14
Operator : VOA GC/MS1 Inst ID: VOAMS1.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/624_09.m
Meth Date : 21-Mar-2013 10:37 jinf Quant Type: ISTD
Cal Date : 12-MAR-2013 08:34 Cal File: a85558.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

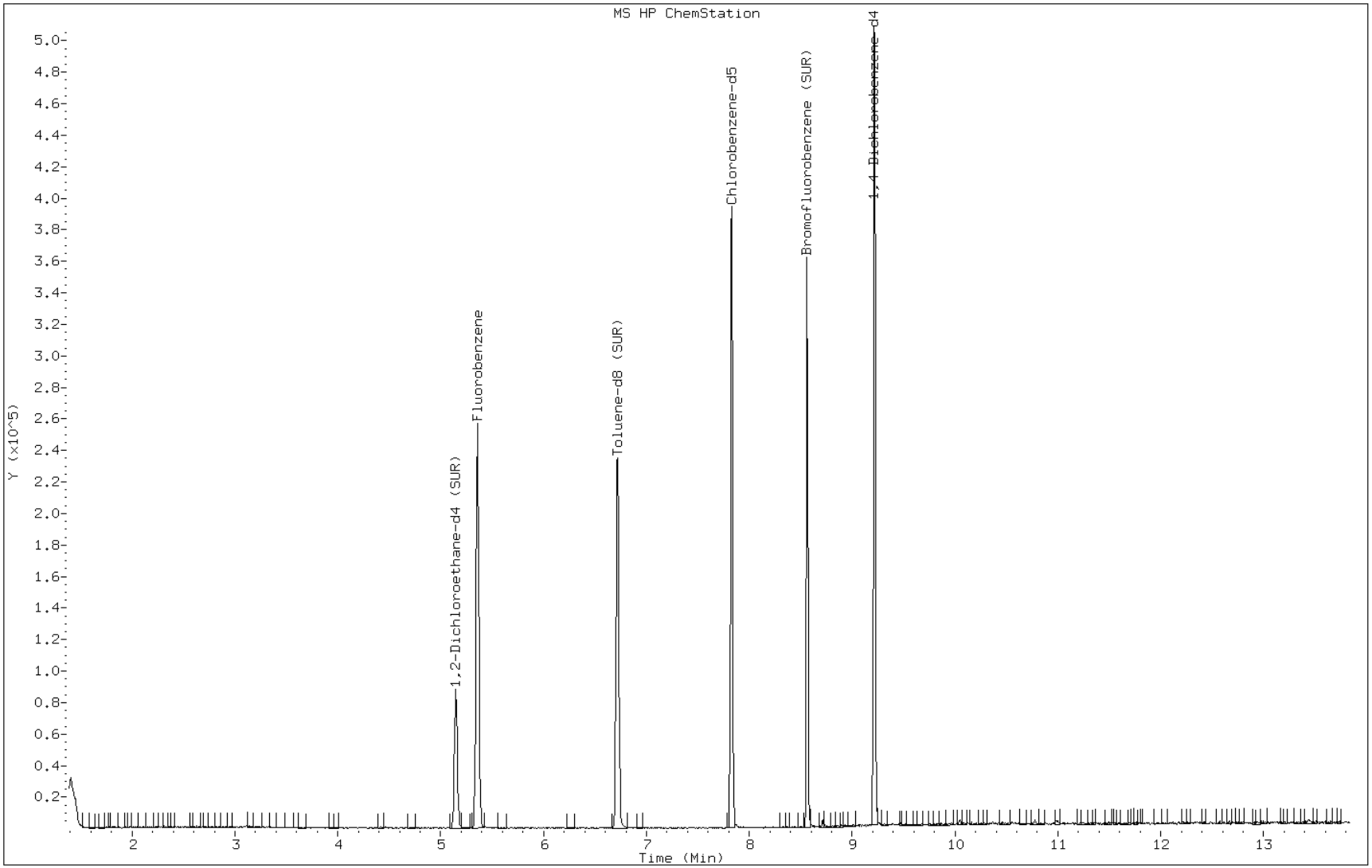
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 49 1,2-Dichloroethane-d4 (SUR)	65	5.148	5.148	(0.961)	63540	51.2546	51
* 52 Fluorobenzene	96	5.355	5.355	(1.000)	217661	50.0000	
$ 66 Toluene-d8 (SUR)	98	6.715	6.721	(0.858)	152208	44.2359	44
* 77 Chlorobenzene-d5	117	7.831	7.831	(1.000)	159267	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	8.562	8.568	(0.929)	63362	48.3520	48
* 105 1,4-Dichlorobenzene-d4	152	9.221	9.227	(1.000)	92242	50.0000	

Data File: a86016.d

Date: 21-MAR-2013 12:14

Client ID: Instrument: VOAMS1.i

Sample Info: MB Operator: VOA GC/MS1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-152136/3
Matrix: Water
Lab File ID: a86012.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 10:37
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	9.72		1.0	0.10
75-01-4	Vinyl chloride	13.2		1.0	0.14
74-83-9	Bromomethane	21.6		1.0	0.18
75-00-3	Chloroethane	16.2		1.0	0.17
75-35-4	1,1-Dichloroethene	21.0		1.0	0.090
75-09-2	Methylene Chloride	17.5		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	19.8		1.0	0.13
75-34-3	1,1-Dichloroethane	16.0		1.0	0.13
67-66-3	Chloroform	20.1		1.0	0.080
71-55-6	1,1,1-Trichloroethane	23.3		1.0	0.060
56-23-5	Carbon tetrachloride	24.5		1.0	0.060
71-43-2	Benzene	16.3		1.0	0.080
107-06-2	1,2-Dichloroethane	18.2		1.0	0.19
79-01-6	Trichloroethene	21.5		1.0	0.090
78-87-5	1,2-Dichloropropane	13.7		1.0	0.090
75-27-4	Bromodichloromethane	17.2		1.0	0.12
110-75-8	2-Chloroethyl vinyl ether	4.51		1.0	0.34
10061-01-5	cis-1,3-Dichloropropene	15.2		1.0	0.18
108-88-3	Toluene	17.2		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	16.6		1.0	0.24
79-00-5	1,1,2-Trichloroethane	15.6		1.0	0.19
127-18-4	Tetrachloroethene	21.8		1.0	0.10
124-48-1	Dibromochloromethane	18.7		1.0	0.20
108-90-7	Chlorobenzene	18.6		1.0	0.11
100-41-4	Ethylbenzene	18.8		1.0	0.10
75-25-2	Bromoform	19.9		1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	13.7		1.0	0.16
107-13-1	Acrylonitrile	10.8		2.0	0.68
107-02-8	Acrolein	30.0		4.0	1.3
75-65-0	TBA	303		20	5.7
1634-04-4	MTBE	18.5		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-152136/3
Matrix: Water
Lab File ID: a86012.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 10:37
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130
460-00-4	Bromofluorobenzene	99		70-130

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86012.d
Report Date: 21-Mar-2013 11:19

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86012.d
Lab Smp Id: LCS
Inj Date : 21-MAR-2013 10:37
Operator : VOA GC/MS1 Inst ID: VOAMS1.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/624_09.m
Meth Date : 21-Mar-2013 10:37 jinf Quant Type: ISTD
Cal Date : 12-MAR-2013 08:34 Cal File: a85558.d
Als bottle: 4 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
2 Dichlorodifluoromethane	85	1.606	1.594	(0.300)	37486	20.7934	21
4 Chloromethane	50	1.777	1.777	(0.332)	39185	9.72353	9.7
3 Vinyl Chloride	62	1.893	1.893	(0.353)	44757	13.2229	13
5 Bromomethane	94	2.234	2.234	(0.417)	30720	21.5906	22
6 Chloroethane	64	2.320	2.313	(0.433)	27079	16.2381	16
8 Trichlorofluoromethane	101	2.545	2.539	(0.475)	64321	26.2768	26
7 n-Pentane	72	2.551	2.557	(0.476)	14929	32.3008	32
20 Ethanol	46	2.783	2.777	(0.520)	11483	1305.11	1300(R)
10 Ethyl Ether	59	2.783	2.777	(0.520)	29478	15.1959	15
9 Isoprene	67	2.801	2.807	(0.523)	54219	17.2191	17
16 Acrolein	56	2.972	2.978	(0.555)	8542	30.0172	30
11 1,1-Dichloroethene	96	3.002	3.002	(0.561)	32672	21.0407	21
14 Freon TF	101	2.996	2.996	(0.559)	41319	24.0723	24
24 Acetone	58	3.112	3.112	(0.581)	4944	19.3400	19
15 Iodomethane	142	3.179	3.173	(0.594)	63926	23.9897	24
13 Carbon Disulfide	76	3.210	3.203	(0.599)	129324	16.7503	17

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86012.d
Report Date: 21-Mar-2013 11:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
26 Methyl Acetate	74	3.368	3.362	(0.629)	6398	17.0830	17
19 Acetonitrile	39	3.350	3.350	(0.625)	99007	294.584	290
22 Methylene Chloride	84	3.478	3.478	(0.649)	42994	17.5259	18
30 TBA	59	3.563	3.563	(0.665)	61814	303.498	300
29 MTBE	73	3.636	3.642	(0.679)	116897	18.4761	18
25 trans-1,2-Dichloroethene	96	3.661	3.661	(0.684)	41076	19.7570	20
17 Acrylonitrile	53	3.740	3.740	(0.698)	11068	10.8437	11
28 Hexane	56	3.813	3.807	(0.712)	33031	16.2606	16
32 DIPE	45	4.020	4.014	(0.751)	117213	12.4366	12(R)
27 Vinyl Acetate	86	4.057	4.057	(0.758)	15552	37.7996	38
33 1,1-Dichloroethane	63	4.045	4.045	(0.755)	76080	16.0223	16
34 Allyl Alcohol	57	4.106	4.100	(0.767)	33917	1950.73	2000
35 n-Propanol	60	4.136	4.136	(0.772)	7596	1904.94	1900(R)
31 t-Butyl ethyl ether	59	4.301	4.295	(0.803)	125874	15.8002	16
37 2,2-Dichloropropane	77	4.484	4.490	(0.837)	70053	21.5610	22
36 cis-1,2-Dichloroethene	96	4.508	4.502	(0.842)	47964	20.2773	20
42 Ethyl Acetate	70	4.514	4.520	(0.843)	8526	36.2065	36
46 2-Butanone	72	4.520	4.520	(0.844)	4669	18.7456	19
39 Bromochloromethane	128	4.697	4.697	(0.877)	22146	22.4575	22
43 Tetrahydrofuran	42	4.709	4.697	(0.879)	8293	10.8964	11
40 Chloroform	83	4.740	4.740	(0.885)	78399	20.1036	20
38 Cyclohexane	56	4.856	4.856	(0.907)	72800	15.3458	15
44 1,1,1-Trichloroethane	97	4.868	4.862	(0.909)	68381	23.3493	23
41 Carbon Tetrachloride	117	4.959	4.959	(0.926)	56720	24.5435	24
45 1,1-Dichloropropene	75	4.978	4.978	(0.929)	56588	20.2864	20
48 Benzene	78	5.142	5.136	(0.657)	170877	16.3302	16
$ 49 1,2-Dichloroethane-d4 (SUR)	65	5.148	5.148	(0.961)	72875	51.0295	51
62 Isopropyl Acetate	43	5.167	5.166	(0.965)	186063	24.7755	25
50 t-Amyl methyl ether	73	5.185	5.179	(0.968)	121903	18.7396	19
51 1,2-Dichloroethane	62	5.209	5.203	(0.973)	60460	18.2021	18
47 n-Heptane	57	5.246	5.246	(0.980)	33159	15.3328	15
* 52 Fluorobenzene	96	5.356	5.355	(1.000)	250740	50.0000	
57 n-Butanol	56	5.599	5.605	(1.046)	29664	1425.91	1400
55 Trichloroethene	95	5.630	5.630	(1.051)	45278	21.5311	22
53 Ethyl Acrylate	55	5.734	5.733	(1.071)	106887	15.7299	16
54 Methyl cyclohexane	83	5.734	5.733	(1.071)	79029	20.5212	20
58 1,2-Dichloropropane	63	5.862	5.868	(0.749)	39486	13.6867	14
60 Methyl Methacrylate	100	5.904	5.904	(0.754)	8495	18.3296	18
61 1,4-Dioxane	88	5.971	5.959	(0.763)	1353	92.8173	93
63 Propyl Acetate	43	5.947	5.947	(0.759)	40498	10.2456	10(R)
56 Dibromomethane	93	5.971	5.971	(0.763)	24469	17.8086	18
59 Bromodichloromethane	83	6.087	6.087	(0.777)	52856	17.1702	17
64 2-Chloroethyl Vinyl Ether	63	6.362	6.361	(0.812)	5817	4.51078	4.5
68 Epichlorohydrin	57	6.471	6.477	(0.826)	55916	297.611	300
65 cis-1,3-Dichloropropene	75	6.520	6.514	(0.833)	56504	15.2108	15
70 4-Methyl-2-Pentanone	43	6.642	6.642	(0.848)	28815	11.3546	11
$ 66 Toluene-d8 (SUR)	98	6.721	6.721	(0.858)	176834	46.3672	46

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86012.d
Report Date: 21-Mar-2013 11:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
67 Toluene	91	6.776	6.776	(0.865)	168353	17.2431	17
94 trans-1,3-Dichloropropene	75	7.008	7.008	(0.895)	50931	16.5955	16
71 1,1,2-Trichloroethane	83	7.154	7.160	(0.914)	27398	15.5537	16
69 Tetrachloroethene	166	7.197	7.197	(0.919)	42864	21.7743	22
73 1,3-Dichloropropane	76	7.294	7.294	(0.931)	53598	14.8411	15(R)
76 2-Hexanone	43	7.319	7.319	(0.935)	17289	11.9779	12
75 Butyl Acetate	73	7.373	7.373	(0.942)	16455	30.6275	31
72 Dibromochloromethane	129	7.434	7.434	(0.949)	34159	18.6579	19
74 1,2-Dibromoethane	107	7.538	7.538	(0.963)	32547	18.2245	18
* 77 Chlorobenzene-d5	117	7.831	7.831	(1.000)	176530	50.0000	
78 Chlorobenzene	112	7.849	7.849	(1.002)	109721	18.5671	18
79 Ethylbenzene	106	7.892	7.892	(1.008)	60650	18.8388	19
80 1,1,1,2-Tetrachloroethane	131	7.904	7.904	(1.009)	42588	20.8517	21
81 m+p-Xylene	106	7.965	7.965	(1.017)	158534	40.9684	41
85 Butyl Acrylate	73	8.184	8.184	(1.045)	24826	17.2823	17
82 o-Xylene	106	8.227	8.227	(1.051)	80964	21.1173	21
84 Styrene	104	8.239	8.239	(1.052)	131878	20.3223	20
88 Amyl Acetate	43	8.312	8.318	(1.062)	62655	13.6677	14
83 Bromoform	173	8.379	8.379	(1.070)	23881	19.9178	20
86 Isopropylbenzene	105	8.434	8.440	(1.077)	213961	21.8485	22
$ 89 Bromofluorobenzene (SUR)	174	8.562	8.568	(0.929)	76101	49.2549	49
87 Camphene (total)	41	8.581	8.587	(0.931)	21652	13.9581	14
92 1,1,2,2-Tetrachloroethane	83	8.654	8.660	(0.939)	50461	13.7033	14
90 Bromobenzene	156	8.654	8.660	(0.939)	52612	19.0424	19
91 n-Propylbenzene	91	8.672	8.678	(0.941)	269319	17.8372	18
95 1,2,3-Trichloropropane	110	8.690	8.696	(0.943)	14166	16.5999	16
93 2-Chlorotoluene	91	8.751	8.757	(0.950)	211898	17.6831	18
96 1,3,5-Trimethylbenzene	105	8.776	8.782	(0.952)	198639	19.2724	19
99 Butyl Methacrylate	87	8.806	8.812	(0.956)	58424	17.1671	17
98 4-Chlorotoluene	91	8.818	8.824	(0.957)	175062	18.0385	18
102 tert-Butylbenzene	119	8.959	8.965	(0.972)	153933	19.4233	19
100 1,2,4-Trimethylbenzene	105	8.989	9.001	(0.976)	198504	19.5950	20
101 sec-Butylbenzene	105	9.074	9.086	(0.985)	249456	19.1748	19
103 p-Isopropyltoluene	119	9.154	9.160	(0.993)	212098	20.4700	20
104 1,3-Dichlorobenzene	146	9.178	9.190	(0.996)	110065	18.9051	19
* 105 1,4-Dichlorobenzene-d4	152	9.215	9.227	(1.000)	108756	50.0000	
106 1,4-Dichlorobenzene	146	9.233	9.239	(1.002)	113603	18.9645	19
109 Benzyl Chloride	91	9.312	9.324	(1.011)	100871	16.4266	16
110 n-Butylbenzene	91	9.385	9.397	(1.019)	293670	18.7230	19
111 1,2-Dichlorobenzene	146	9.458	9.471	(1.026)	108343	18.9976	19
112 1,2-Dibromo-3-chloropropane	75	9.964	9.977	(1.081)	9786	15.3399	15
115 Camphor	95	10.477	10.495	(1.137)	23617	82.9167	83
113 1,2,4-Trichlorobenzene	180	10.550	10.562	(1.145)	79244	20.6838	21
114 Hexachlorobutadiene	225	10.623	10.641	(1.153)	42626	21.0144	21
116 Naphthalene	128	10.781	10.793	(1.170)	156697	19.3090	19
117 1,2,3-Trichlorobenzene	180	10.989	11.007	(1.193)	67766	20.4645	20
M 120 1,2-Dichloroethene (Total)	100				89041	36.8885	37

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86012.d
Report Date: 21-Mar-2013 11:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M 121 Xylene (Total)	100				239499	62.0856	62

QC Flag Legend

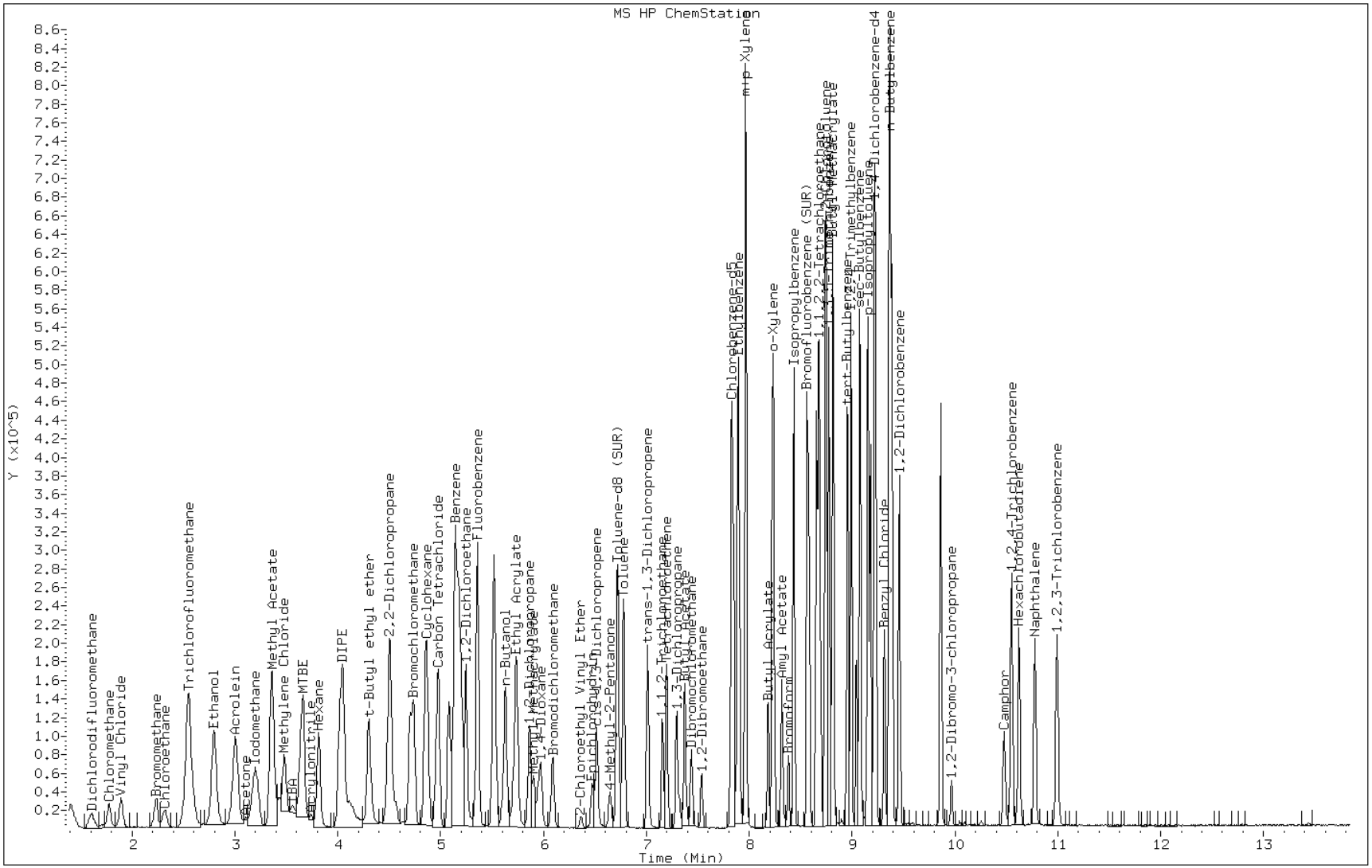
R - Spike/Surrogate failed recovery limits.

Data File: a86012.d

Date: 21-MAR-2013 10:37

Client ID: Instrument: VOAMS1.i

Sample Info: LCS Operator: VOA GC/MS1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-52642-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-52471-A-15 MS

Matrix: Water | Lab File ID: a86018.d

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/21/2013 12:55

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 152136 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	91.9		10	1.0
75-01-4	Vinyl chloride	119		10	1.4
74-83-9	Bromomethane	208		10	1.8
75-00-3	Chloroethane	155		10	1.7
75-35-4	1,1-Dichloroethene	190		10	0.90
75-09-2	Methylene Chloride	167		10	1.8
156-60-5	trans-1,2-Dichloroethene	183		10	1.3
75-34-3	1,1-Dichloroethane	143		10	1.3
67-66-3	Chloroform	187		10	0.80
71-55-6	1,1,1-Trichloroethane	209		10	0.60
56-23-5	Carbon tetrachloride	216		10	0.60
71-43-2	Benzene	139		10	0.80
107-06-2	1,2-Dichloroethane	170		10	1.9
79-01-6	Trichloroethene	190		10	0.90
78-87-5	1,2-Dichloropropane	120		10	0.90
75-27-4	Bromodichloromethane	150		10	1.2
110-75-8	2-Chloroethyl vinyl ether	ND		10	3.4
10061-01-5	cis-1,3-Dichloropropene	125		10	1.8
108-88-3	Toluene	151		10	1.5
10061-02-6	trans-1,3-Dichloropropene	137		10	2.4
79-00-5	1,1,2-Trichloroethane	137		10	1.9
127-18-4	Tetrachloroethene	445		10	1.0
124-48-1	Dibromochloromethane	162		10	2.0
108-90-7	Chlorobenzene	165		10	1.1
100-41-4	Ethylbenzene	163		10	1.0
75-25-2	Bromoform	161		10	1.9
79-34-5	1,1,2,2-Tetrachloroethane	124		10	1.6
107-13-1	Acrylonitrile	130		20	6.8
107-02-8	Acrolein	286		40	13
75-65-0	TBA	2640		200	57
1634-04-4	MTBE	167		10	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: 460-52471-A-15 MS
Matrix: Water
Lab File ID: a86018.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 12:55
Soil Aliquot Vol:
Dilution Factor: 10
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		70-130
2037-26-5	Toluene-d8 (Surr)	91		70-130
460-00-4	Bromofluorobenzene	98		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-52642-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-52471-A-15 MSD

Matrix: Water | Lab File ID: a86019.d

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/21/2013 13:14

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 152136 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	105		10	1.0
75-01-4	Vinyl chloride	136		10	1.4
74-83-9	Bromomethane	220		10	1.8
75-00-3	Chloroethane	171		10	1.7
75-35-4	1,1-Dichloroethene	211		10	0.90
75-09-2	Methylene Chloride	189		10	1.8
156-60-5	trans-1,2-Dichloroethene	203		10	1.3
75-34-3	1,1-Dichloroethane	162		10	1.3
67-66-3	Chloroform	210		10	0.80
71-55-6	1,1,1-Trichloroethane	231		10	0.60
56-23-5	Carbon tetrachloride	246		10	0.60
71-43-2	Benzene	167		10	0.80
107-06-2	1,2-Dichloroethane	190		10	1.9
79-01-6	Trichloroethene	210		10	0.90
78-87-5	1,2-Dichloropropane	142		10	0.90
75-27-4	Bromodichloromethane	176		10	1.2
110-75-8	2-Chloroethyl vinyl ether	ND		10	3.4
10061-01-5	cis-1,3-Dichloropropene	157		10	1.8
108-88-3	Toluene	181		10	1.5
10061-02-6	trans-1,3-Dichloropropene	167		10	2.4
79-00-5	1,1,2-Trichloroethane	161		10	1.9
127-18-4	Tetrachloroethene	473		10	1.0
124-48-1	Dibromochloromethane	193		10	2.0
108-90-7	Chlorobenzene	194		10	1.1
100-41-4	Ethylbenzene	194		10	1.0
75-25-2	Bromoform	201		10	1.9
79-34-5	1,1,2,2-Tetrachloroethane	140		10	1.6
107-13-1	Acrylonitrile	148		20	6.8
107-02-8	Acrolein	308		40	13
75-65-0	TBA	3050		200	57
1634-04-4	MTBE	191		10	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: 460-52471-A-15 MSD
Matrix: Water
Lab File ID: a86019.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 13:14
Soil Aliquot Vol:
Dilution Factor: 10
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130
460-00-4	Bromofluorobenzene	97		70-130

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: VOAMS1 Start Date: 03/12/2013 02:47

Analysis Batch Number: 150795 End Date: 03/13/2013 02:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-150795/1		03/12/2013 02:47	1	a85544.d	Rtx-624 0.25(mm)
ICIS 460-150795/2		03/12/2013 03:28	1	a85546.d	Rtx-624 0.25(mm)
IC 460-150795/3		03/12/2013 07:14	1	a85554.d	Rtx-624 0.25(mm)
IC 460-150795/4		03/12/2013 07:34	1	a85555.d	Rtx-624 0.25(mm)
IC 460-150795/5		03/12/2013 07:54	1	a85556.d	Rtx-624 0.25(mm)
IC 460-150795/6		03/12/2013 08:14	1	a85557.d	Rtx-624 0.25(mm)
IC 460-150795/7		03/12/2013 08:34	1	a85558.d	Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 10:38	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 10:38	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 11:38	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 11:59	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 12:20	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 12:41	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 13:02	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 13:24	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 13:45	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 14:06	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 14:28	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 14:49	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 15:11	2		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 15:32	10		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 15:52	10		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 16:52	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 17:13	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 17:35	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 17:57	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 18:17	5		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 18:37	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 18:59	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 19:20	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 19:42	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 20:03	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 20:24	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 21:44	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 22:05	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 22:27	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 22:48	5		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 23:08	5		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 23:28	5		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 00:29	1		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 00:50	1		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 01:33	1		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 01:54	1		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 02:16	1		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 02:37	1		Rtx-624 0.25(mm)

624

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: VOAMS1 Start Date: 03/21/2013 09:36

Analysis Batch Number: 152136 End Date: 03/22/2013 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-152136/1		03/21/2013 09:36	1	a86009.d	Rtx-624 0.25(mm)
CCVIS 460-152136/2		03/21/2013 10:17	1	a86011.d	Rtx-624 0.25(mm)
LCS 460-152136/3		03/21/2013 10:37	1	a86012.d	Rtx-624 0.25(mm)
MB 460-152136/4		03/21/2013 12:14	1	a86016.d	Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 12:34	2		Rtx-624 0.25(mm)
460-52471-A-15 MS		03/21/2013 12:55	10	a86018.d	Rtx-624 0.25(mm)
460-52471-A-15 MSD		03/21/2013 13:14	10	a86019.d	Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 14:15	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 14:35	1		Rtx-624 0.25(mm)
460-52642-1	INFLUENT	03/21/2013 14:55	1	a86024.d	Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 16:03	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 16:24	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 16:44	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 17:04	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 17:25	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 17:46	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 18:07	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 18:27	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 18:48	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 19:09	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 19:29	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 19:48	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 20:10	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 21:11	5		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 22:11	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 22:32	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 22:32	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 23:32	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 23:52	2		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 00:12	10		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 00:32	10		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 01:51	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 02:11	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 02:32	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 02:52	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 03:12	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 03:32	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 03:53	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 04:14	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 04:34	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 04:55	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 05:15	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 05:35	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 05:55	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 06:15	1		Rtx-624 0.25(mm)

624

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: VOAMS1 Start Date: 03/21/2013 09:36

Analysis Batch Number: 152136 End Date: 03/22/2013 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/22/2013 06:37	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 06:57	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 07:17	1		Rtx-624 0.25(mm)

624

Method 625

Semivolatile Organic Compounds (GC/MS) by Method 625

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
INFLUENT	460-52642-1	40	26	89	75	79	95
	MB 460-152013/1-A	47	31	91	82	80	99
	LCS 460-152013/2-A	44	28	88	88	87	100
	LCSD 460-152013/3-A	44	29	94	89	92	89

	QC LIMITS
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Column to be used to flag recovery values

FORM II 625

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
INFLUENT	460-52642-1	33	21	71	65	68	80
	MB 240-79226/2-A	52	34	91	88	73	108
	LCS 240-79226/3-A	42	28	77	69	65	81

	QC LIMITS
2FP = 2-Fluorophenol	10-135
PHL = Phenol-d5	10-132
NBZ = Nitrobenzene-d5	44-110
FBP = 2-Fluorobiphenyl (Surr)	38-110
TBP = 2,4,6-Tribromophenol	10-142
TPH = Terphenyl-d14	24-135

Column to be used to flag recovery values

FORM II 625

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30326023.D

Lab ID: LCS 240-79226/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	20.0	14.1	70	44-142	
1,2-Dichlorobenzene	20.0	14.9	75	32-129	
1,3-Dichlorobenzene	20.0	14.6	73	0-172	
1,4-Dichlorobenzene	20.0	12.2	61	20-124	
2,4-Dichlorophenol	20.0	12.4	62	39-135	
2,4-Dimethylphenol	20.0	10.3	51	32-119	
2,4-Dinitrophenol	20.0	8.02 J	40	0-191	
2,4-Dinitrotoluene	20.0	18.1	91	39-139	
2,6-Dinitrotoluene	20.0	17.7	89	50-158	
2-Chloronaphthalene	20.0	14.4	72	60-118	
2-Chlorophenol	20.0	12.3	61	23-134	
2-Nitrophenol	20.0	13.3	67	29-182	
3,3'-Dichlorobenzidine	20.0	10.1	50	0-262	
4,6-Dinitro-2-methylphenol	20.0	10.8 J	54	0-181	
4-Bromophenyl phenyl ether	20.0	15.3	77	53-127	
4-Chlorophenyl phenyl ether	20.0	15.2	76	25-158	
4-Nitrophenol	20.0	4.91 J	25	0-132	
Acenaphthene	20.0	15.6	78	47-145	
Acenaphthylene	20.0	16.2	81	33-145	
Anthracene	20.0	17.4	87	27-133	
Benzo[a]anthracene	20.0	16.4	82	33-143	
Benzo[a]pyrene	20.0	16.6	83	17-163	
Benzo[b]fluoranthene	20.0	16.1	80	24-159	
Benzo[g,h,i]perylene	20.0	16.8	84	0-219	
Benzo[k]fluoranthene	20.0	16.9	85	11-162	
Bis(2-chloroethoxy)methane	20.0	14.9	75	33-184	
Bis(2-chloroethyl)ether	20.0	15.3	77	12-158	
Bis(2-ethylhexyl) phthalate	20.0	16.8	84	8-158	
Butyl benzyl phthalate	20.0	17.2	86	0-152	
Chrysene	20.0	17.2	86	17-168	
Dibenz(a,h)anthracene	20.0	16.6	83	0-227	
Diethyl phthalate	20.0	16.0	80	0-114	
Dimethyl phthalate	20.0	14.5	72	0-112	
Di-n-butyl phthalate	20.0	16.5	83	1-118	
Di-n-octyl phthalate	20.0	15.9	79	4-146	
Fluoranthene	20.0	17.1	85	26-137	
Fluorene	20.0	16.0	80	59-121	
Hexachlorobenzene	20.0	14.6	73	0-152	
Hexachlorobutadiene	20.0	14.0	70	24-116	
Hexachloroethane	20.0	15.1	75	40-113	
Indeno[1,2,3-cd]pyrene	20.0	15.7	79	0-171	
Isophorone	20.0	16.1	80	21-196	

Column to be used to flag recovery and RPD values

FORM III 625

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30326023.D

Lab ID: LCS 240-79226/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	15.4	77	21-133	
Nitrobenzene	20.0	15.6	78	35-180	
N-Nitrosodi-n-propylamine	20.0	14.9	74	0-230	
4-Chloro-3-methylphenol	20.0	12.2	61	22-147	
Pentachlorophenol	20.0	11.6	58	14-176	
Phenanthrene	20.0	16.2	81	54-120	
Phenol	20.0	5.78 J	29	5-112	
Pyrene	20.0	16.6	83	52-115	

Column to be used to flag recovery and RPD values

FORM III 625

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab File ID: m63165.d Lab Sample ID: MB 460-152013/1-A

Matrix: Water Date Extracted: 03/21/2013 07:15

Instrument ID: BNAMS6 Date Analyzed: 03/21/2013 08:23

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCSD 460-152013/3-A	m63164.d	03/21/2013 08:00
INFLUENT	460-52642-1	m63166.d	03/21/2013 08:45
	LCS 460-152013/2-A	m63167.d	03/21/2013 11:27

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Lab File ID: 30326022.D Lab Sample ID: MB 240-79226/2-A

Matrix: Water Date Extracted: 03/23/2013 11:09

Instrument ID: A4HP7 Date Analyzed: 03/26/2013 17:50

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-79226/3-A	30326023.D	03/26/2013 18:14
INFLUENT	460-52642-1	30326028.D	03/27/2013 08:03

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab File ID: m63142.d DFTPP Injection Date: 03/20/2013

Instrument ID: BNAMS6 DFTPP Injection Time: 19:35

Analysis Batch No.: 152058

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	53.3	
68	Less than 2.0 % of mass 69	0.2	(0.2)1
69	Mass 69 relative abundance	74.7	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	54.2	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	19.5	
365	Greater than 1.0 % of mass 198	2.8	
441	Present but less than mass 443	11.8	(80.2)3
442	Greater than 40.0 % of mass 198	75.0	
443	17.0 - 23.0 % of mass 442	14.8	(19.7)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-152058/2	m63143.d	03/20/2013	21:16
	IC 460-152058/3	m63144.d	03/20/2013	21:42
	IC 460-152058/4	m63145.d	03/20/2013	22:05
	IC 460-152058/5	m63146.d	03/20/2013	22:27
	IC 460-152058/6	m63147.d	03/20/2013	22:50
	LCSD 460-152013/3-A	m63164.d	03/21/2013	08:00
	MB 460-152013/1-A	m63165.d	03/21/2013	08:23
INFLUENT	460-52642-1	m63166.d	03/21/2013	08:45
	LCS 460-152013/2-A	m63167.d	03/21/2013	11:27

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Lab File ID: 30326001.D DFTPP Injection Date: 03/26/2013

Instrument ID: A4HP7 DFTPP Injection Time: 09:31

Analysis Batch No.: 79448

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	36.9	
68	Less than 2.0% of mass 69	0.6	(1.6)1
69	Mass 69 relative abundance	39.9	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	51.6	
197	Less than 1.0% of mass 198	0.7	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.2	
275	10.0- 30.0% of mass 198	22.8	
365	Greater than 0.75% of mass 198	2.6	
441	Present, but less than mass 443	10.0	
442	40.0 - 110.0% of mass 198	70.6	
443	15.0 - 24.0% of mass 442	13.1	(18.6)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-79448/2	30326002.D	03/26/2013	09:55
	STD4 240-79448/3	30326003.D	03/26/2013	10:18
	STD3 240-79448/4	30326004.D	03/26/2013	10:42
	STD2 240-79448/5	30326005.D	03/26/2013	11:06
	STD1 240-79448/6	30326006.D	03/26/2013	11:30
	STD9 240-79448/7	30326007.D	03/26/2013	11:53
	STD8 240-79448/8	30326008.D	03/26/2013	12:17
	STD7 240-79448/9	30326009.D	03/26/2013	12:41
	STD6 240-79448/10	30326010.D	03/26/2013	13:05
	ICV 240-79448/11	30326011.D	03/26/2013	13:29
	STD9 240-79448/13	30326013.D	03/26/2013	14:16
	STD8 240-79448/14	30326014.D	03/26/2013	14:40
	STD7 240-79448/15	30326015.D	03/26/2013	15:04
	STD6 240-79448/16	30326016.D	03/26/2013	15:28
	STD5 240-79448/17	30326017.D	03/26/2013	15:51
	STD4 240-79448/18	30326018.D	03/26/2013	16:15
	STD3 240-79448/19	30326019.D	03/26/2013	16:39
	STD2 240-79448/20	30326020.D	03/26/2013	17:03
	ICV 240-79448/21	30326021.D	03/26/2013	17:27
	MB 240-79226/2-A	30326022.D	03/26/2013	17:50
	LCS 240-79226/3-A	30326023.D	03/26/2013	18:14
INFLUENT	460-52642-1	30326028.D	03/27/2013	08:03

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Sample No.: ICIS 460-152058/2 Date Analyzed: 03/20/2013 21:16

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): m63143.d Heated Purge: (Y/N) N

Calibration ID: 20750

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		305451	4.53	916917	5.81	473453	7.57
UPPER LIMIT		610902	5.03	1833834	6.31	946906	8.07
LOWER LIMIT		152726	4.03	458459	5.31	236727	7.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCSD 460-152013/3-A		318400	4.52	942157	5.81	515878	7.56
MB 460-152013/1-A		372830	4.52	1170146	5.81	687149	7.56
460-52642-1	INFLUENT	316129	4.53	899674	5.81	537320	7.56
LCS 460-152013/2-A		298591	4.53	967749	5.81	496040	7.56

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 625

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Sample No.: ICIS 460-152058/2 Date Analyzed: 03/20/2013 21:16

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): m63143.d Heated Purge: (Y/N) N

Calibration ID: 20750

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		556622	9.03	361092	11.84	284601	13.79
UPPER LIMIT		1113244	9.53	722184	12.34	569202	14.29
LOWER LIMIT		278311	8.53	180546	11.34	142301	13.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCSD 460-152013/3-A		572630	9.03	376350	11.83	294648	13.78
MB 460-152013/1-A		808390	9.03	472650	11.82	387313	13.78
460-52642-1	INFLUENT	595105	9.03	338251	11.82	305871	13.78
LCS 460-152013/2-A		542623	9.03	371349	11.84	280836	13.79

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 625

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

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Sample No.: STD6 240-79448/10 Date Analyzed: 03/26/2013 13:05

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 30326010.D Heated Purge: (Y/N) N

Calibration ID: 14265

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		265483	5.92	1039919	7.04	608045	8.56
UPPER LIMIT		530966	6.42	2079838	7.54	1216090	9.06
LOWER LIMIT		132742	5.42	519960	6.54	304023	8.06
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-79448/11		290579	5.92	1152244	7.04	693603	8.55
ICV 240-79448/21		252394	5.92	1031824	7.04	604448	8.55
MB 240-79226/2-A		217082	5.92	852042	7.04	488650	8.55
LCS 240-79226/3-A		250663	5.92	1016463	7.04	616685	8.55
460-52642-1	INFLUENT	251524	5.92	1024174	7.05	645614	8.56

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 625

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

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Sample No.: STD6 240-79448/10 Date Analyzed: 03/26/2013 13:05

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 30326010.D Heated Purge: (Y/N) N

Calibration ID: 14265

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		969063	9.83	1099308	12.40	912884	14.49
UPPER LIMIT		1938126	10.33	2198616	12.90	1825768	14.99
LOWER LIMIT		484532	9.33	549654	11.90	456442	13.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-79448/11		1099311	9.83	1266326	12.41	1044766	14.50
ICV 240-79448/21		984403	9.82	1040408	12.40	837073	14.49
MB 240-79226/2-A		808255	9.82	871777	12.40	662347	14.49
LCS 240-79226/3-A		968761	9.82	1106089	12.40	878117	14.49
460-52642-1	INFLUENT	1054939	9.83	1136710	12.41	948129	14.51

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 625

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: m63166.d

Analysis Method: 625 | Date Collected: 03/20/2013 06:30

Extract. Method: 625 | Date Extracted: 03/21/2013 07:15

Sample wt/vol: 970(mL) | Date Analyzed: 03/21/2013 08:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 152058 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	ND		1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	40		10-65
4165-62-2	Phenol-d5	26		10-48
4165-60-0	Nitrobenzene-d5	89		56-112
321-60-8	2-Fluorobiphenyl	75		53-108
118-79-6	2,4,6-Tribromophenol	79		46-122
1718-51-0	Terphenyl-d14	95		50-122

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63166.d
Report Date: 21-Mar-2013 14:00

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63166.d
Lab Smp Id: 460-52642-I-1-A Client Smp ID: INFLUENT
Inj Date : 21-MAR-2013 08:45
Operator : BNAMS 1 Inst ID: BNAMS6.i
Smp Info : 460-52642-I-1-A
Misc Info : 460-52642-I-1-A
Comment :
Method : /chem/BNAMS6.i/625/03-20-13/20mar13.b/625BNA_11.m
Meth Date : 21-Mar-2013 07:53 croccom Quant Type: ISTD
Cal Date : 20-MAR-2013 22:50 Cal File: m63147.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	970.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.239	3.234	(0.716)	312349	20.1282	41.5
$ 17 Phenol-d5 (SUR)	99	4.145	4.138	(0.916)	207312	13.0354	26.9
* 79 1,4-Dichlorobenzene-d4	152	4.525	4.526	(1.000)	316129	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.079	5.070	(0.874)	692700	44.7088	92.2
* 80 Naphthalene-d8	136	5.810	5.805	(1.000)	899674	40.0000	
34 2-Methylnaphthalene	142	6.523	6.520	(1.123)	562822	38.3356	79.0
119 1-Methylnaphthalene	142	6.628	6.616	(1.141)	850107	58.0381	120
$ 77 2-Fluorobiphenyl (SUR)	172	6.891	6.885	(0.911)	618952	37.5381	77.4
120 1,3-Dimethylnaphthalene	156	7.224	7.222	(0.955)	395208	30.3972	62.7
* 82 Acenaphthene-d10	164	7.563	7.559	(1.000)	537320	40.0000	
42 Acenaphthene	154	7.593	7.589	(1.004)	37618	2.47657	5.11
43 Dibenzofuran	168	7.759	7.762	(1.026)	44348	2.24888	4.64
47 Fluorene	166	8.098	8.097	(1.071)	52820	3.28850	6.78
$ 18 2,4,6-Tribromophenol (SUR)	330	8.339	8.336	(1.103)	97238	39.3021	81.0
* 83 Phenanthrene-d10	188	9.027	9.029	(1.000)	595105	40.0000	

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63166.d
Report Date: 21-Mar-2013 14:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
52 Phenanthrene	178	9.049	9.044	(1.002)	54622	3.11599	6.42
57 Pyrene	202	10.444	10.444	(0.883)	2656	0.21349	0.440
$ 78 Terphenyl-d14	244	10.603	10.599	(0.897)	387284	47.5002	97.9
* 81 Chrysene-d12	240	11.824	11.826	(1.000)	338251	40.0000	
* 84 Perylene-d12	264	13.777	13.782	(1.000)	305871	40.0000	

Data File: m63166.d

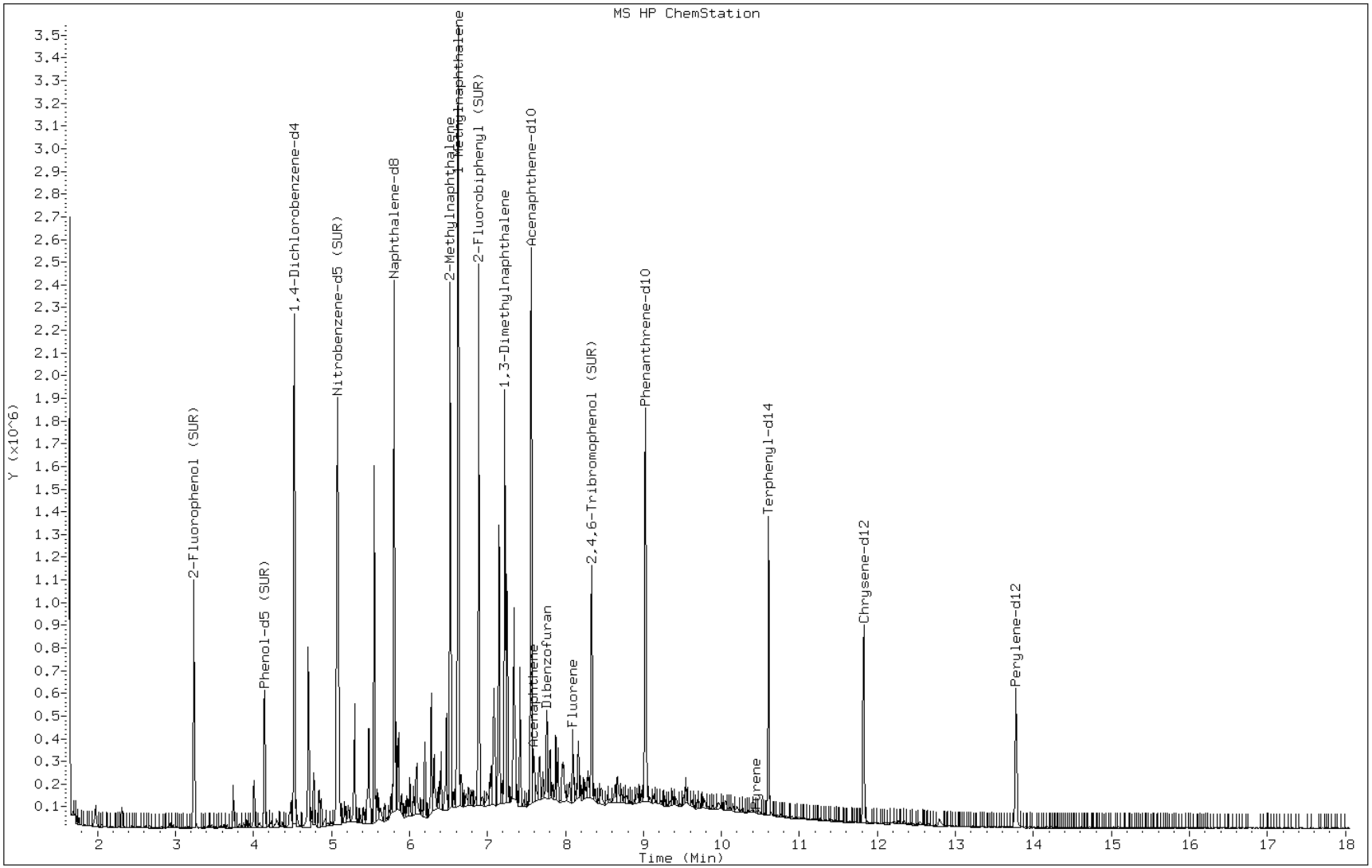
Date: 21-MAR-2013 08:45

Client ID: INFLUENT

Instrument: BNAMS6.i

Sample Info: 460-52642-I-1-A

Operator: BNAMS 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: 30326028.D

Analysis Method: 625 | Date Collected: 03/20/2013 06:30

Extract. Method: 625 | Date Extracted: 03/23/2013 11:09

Sample wt/vol: 950(mL) | Date Analyzed: 03/27/2013 08:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 79448 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		11	0.29
95-50-1	1,2-Dichlorobenzene	ND		11	0.31
541-73-1	1,3-Dichlorobenzene	ND		11	0.84
106-46-7	1,4-Dichlorobenzene	ND		11	0.36
88-06-2	2,4,6-Trichlorophenol	ND		11	0.84
120-83-2	2,4-Dichlorophenol	ND		11	0.84
105-67-9	2,4-Dimethylphenol	ND		11	0.84
51-28-5	2,4-Dinitrophenol	ND		53	2.5
121-14-2	2,4-Dinitrotoluene	ND		11	0.28
606-20-2	2,6-Dinitrotoluene	ND		11	0.84
91-58-7	2-Chloronaphthalene	ND		11	0.11
95-57-8	2-Chlorophenol	ND		11	0.31
88-75-5	2-Nitrophenol	ND		11	0.29
91-94-1	3,3'-Dichlorobenzidine	ND		11	0.39
534-52-1	4,6-Dinitro-2-methylphenol	ND		53	2.5
101-55-3	4-Bromophenyl phenyl ether	ND		11	0.84
7005-72-3	4-Chlorophenyl phenyl ether	ND		11	0.32
100-02-7	4-Nitrophenol	ND		53	2.5
83-32-9	Acenaphthene	5.5	J	11	0.11
208-96-8	Acenaphthylene	1.1	J	11	0.11
120-12-7	Anthracene	0.62	J	11	0.11
92-87-5	Benzidine	ND		110	2.5
56-55-3	Benzo[a]anthracene	ND		11	0.11
50-32-8	Benzo[a]pyrene	ND		11	0.11
205-99-2	Benzo[b]fluoranthene	ND		11	0.11
191-24-2	Benzo[g,h,i]perylene	ND		11	0.11
207-08-9	Benzo[k]fluoranthene	ND		11	0.11
111-91-1	Bis(2-chloroethoxy)methane	ND		11	0.34
111-44-4	Bis(2-chloroethyl)ether	ND		11	0.11
117-81-7	Bis(2-ethylhexyl) phthalate	ND		11	0.84
108-60-1	2,2'-oxybis[1-chloropropane]	ND		11	0.42
85-68-7	Butyl benzyl phthalate	ND		11	0.84
218-01-9	Chrysene	ND		11	0.11
53-70-3	Dibenz(a,h)anthracene	ND		11	0.11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: 30326028.D

Analysis Method: 625 | Date Collected: 03/20/2013 06:30

Extract. Method: 625 | Date Extracted: 03/23/2013 11:09

Sample wt/vol: 950(mL) | Date Analyzed: 03/27/2013 08:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 79448 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		11	0.63
131-11-3	Dimethyl phthalate	ND		11	0.31
84-74-2	Di-n-butyl phthalate	ND		11	0.71
117-84-0	Di-n-octyl phthalate	ND		11	0.84
206-44-0	Fluoranthene	0.11	J	11	0.11
86-73-7	Fluorene	6.9	J	11	0.11
118-74-1	Hexachlorobenzene	ND		11	0.11
87-68-3	Hexachlorobutadiene	ND		11	0.28
77-47-4	Hexachlorocyclopentadiene	ND		11	0.84
67-72-1	Hexachloroethane	ND		11	0.84
193-39-5	Indeno[1,2,3-cd]pyrene	ND		11	0.11
78-59-1	Isophorone	ND		11	0.28
91-20-3	Naphthalene	ND		11	0.11
98-95-3	Nitrobenzene	ND		11	0.042
62-75-9	N-Nitrosodimethylamine	ND		11	0.33
621-64-7	N-Nitrosodi-n-propylamine	ND		11	0.84
86-30-6	N-Nitrosodiphenylamine	ND		11	0.33
59-50-7	4-Chloro-3-methylphenol	ND		11	0.84
87-86-5	Pentachlorophenol	ND		11	2.5
85-01-8	Phenanthrene	6.2	J	11	0.11
108-95-2	Phenol	ND		11	0.63
129-00-0	Pyrene	0.38	J	11	0.11
95-95-4	2,4,5-Trichlorophenol	ND		11	0.32
55-18-5	N-Nitrosodiethylamine	ND		11	0.80
608-93-5	Pentachlorobenzene	ND		11	0.75
930-55-2	N-Nitrosopyrrolidine	ND		11	0.78
122-66-7	1,2-Diphenylhydrazine	ND		11	0.31
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		11	0.58
924-16-3	N-Nitrosodi-n-butylamine	ND		11	0.85

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: 30326028.D

Analysis Method: 625 | Date Collected: 03/20/2013 06:30

Extract. Method: 625 | Date Extracted: 03/23/2013 11:09

Sample wt/vol: 950(mL) | Date Analyzed: 03/27/2013 08:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 79448 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	33		10-135
118-79-6	2,4,6-Tribromophenol	68		10-142
4165-60-0	Nitrobenzene-d5	71		44-110
4165-62-2	Phenol-d5	21		10-132
1718-51-0	Terphenyl-d14	80		24-135
321-60-8	2-Fluorobiphenyl (Surr)	65		38-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Lims ID:	460-52642-H-1-A	Client ID:	INFLUENT
Inject. Date:	27-Mar-2013 08:03:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018258-028		
Misc. Info.:	460-52642-H-1-A		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	79448	Lims Sample ID:	28
Detector:	MS SCAN		

Method:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\8270_hp7.m		
Last Update:	27-Mar-2013 12:57:18	Calib Date:	26-Mar-2013 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326020.D		
Limit Group:	MSS 625 ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK014		

First Level Reviewer: gruberj Date: 27-Mar-2013 08:25:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.915	5.915	0.0	97	251524	4.00	
* 2 Naphthalene-d8	136	7.049	7.043	0.006	99	1024174	4.00	
* 3 Acenaphthene-d10	164	8.557	8.557	0.0	91	645614	4.00	
* 4 Phenanthrene-d10	188	9.825	9.825	0.0	97	1054939	4.00	
* 5 Chrysene-d12	240	12.408	12.403	0.005	97	1136710	4.00	
* 6 Perylene-d12	264	14.505	14.494	0.011	97	948129	4.00	
$ 7 2-Fluorophenol	112	4.631	4.631	0.0	92	490161	4.91	
$ 8 Phenol-d5	99	5.551	5.546	0.005	95	419891	3.18	
$ 9 Nitrobenzene-d5	82	6.407	6.407	0.0	85	650341	7.12	
$ 10 2-Fluorobiphenyl (Surr)	172	7.969	7.963	0.006	97	1302983	6.46	
$ 11 2,4,6-Tribromophenol	330	9.226	9.226	0.0	90	291182	10.1	
$ 12 Terphenyl-d14	244	11.199	11.194	0.005	99	1517102	8.02	
25 N-Nitrosodimethylamine	74		2.813					
35 N-Nitrosodiethylamine	102		4.883					
41 Phenol	94		5.562					9
44 Bis(2-chloroethyl)ether	93		5.663					
46 2-Chlorophenol	128		5.717					
47 1,3-Dichlorobenzene	146		5.861					
48 1,4-Dichlorobenzene	146		5.931					
50 1,2-Dichlorobenzene	146		6.070					9
52 2,2'-oxybis[1-chloropropane]	45		6.150					
55 N-Nitrosopyrrolidine	100		6.247					
56 N-Nitrosodi-n-propylamine	70		6.268					9
60 Hexachloroethane	117		6.375					
61 Nitrobenzene	77		6.423					9
63 Isophorone	82		6.632					
65 2-Nitrophenol	139		6.706					9
64 2,4-Dimethylphenol	107		6.722					
68 Bis(2-chloroethoxy)methane	93		6.813					
71 2,4-Dichlorophenol	162		6.910					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180		6.990					
73 Naphthalene	128		7.065					
77 Hexachlorobutadiene	225		7.166					
81 N-Nitrosodi-n-butylamine	84		7.375					
84 4-Chloro-3-methylphenol	107		7.498					
88 Hexachlorocyclopentadiene	237		7.792					
89 1,2,4,5-Tetrachlorobenzene	216		7.798					
90 2,4,6-Trichlorophenol	196		7.888					9
91 2,4,5-Trichlorophenol	196		7.921					9
98 2-Chloronaphthalene	162		8.081					
103 Dimethyl phthalate	163		8.295					
105 2,6-Dinitrotoluene	165		8.354					
107 Acenaphthylene	152	8.434	8.434	0.0	49	129756	0.5179	
110 Acenaphthene	153	8.584	8.584	0.0	93	409310	2.60	
109 2,4-Dinitrophenol	184		8.589					
111 4-Nitrophenol	109		8.611					
113 Pentachlorobenzene	250		8.691					
112 2,4-Dinitrotoluene	165		8.696					
119 Diethyl phthalate	149		8.894					
121 4-Chlorophenyl phenyl ether	204		9.006					
124 Fluorene	166	9.022	9.022	0.0	91	622905	3.26	
126 4,6-Dinitro-2-methylphenol	198		9.044					9
130 N-Nitrosodiphenylamine	169		9.103					
129 1,2-Diphenylhydrazine	77		9.145					
137 4-Bromophenyl phenyl ether	248		9.429					9
139 Hexachlorobenzene	284		9.488					
141 Pentachlorophenol	266		9.648					9
146 Phenanthrene	178	9.846	9.841	0.005	96	833498	2.95	
147 Anthracene	178	9.889	9.889	0.0	66	77946	0.2943	
151 Di-n-butyl phthalate	149		10.279					9
157 Fluoranthene	202	10.862	10.857	0.005	61	15257	0.0512	
158 Benzidine	184		10.959					
160 Pyrene	202	11.076	11.071	0.005	87	54919	0.1806	
166 Butyl benzyl phthalate	149		11.686					
173 3,3'-Dichlorobenzidine	252		12.339					9
171 Bis(2-ethylhexyl) phthalate	149	12.376	12.376	0.0	91	57563	0.3745	
175 Benzo[a]anthracene	228		12.392					
176 Chrysene	228		12.440					
178 Di-n-octyl phthalate	149		13.296					
180 Benzo[b]fluoranthene	252		13.911					
181 Benzo[k]fluoranthene	252		13.954					
182 Benzo[a]pyrene	252		14.414					9
186 Indeno[1,2,3-cd]pyrene	276		16.168					
187 Dibenz(a,h)anthracene	278		16.200					
188 Benzo[g,h,i]perylene	276		16.623					

QC Flag Legend

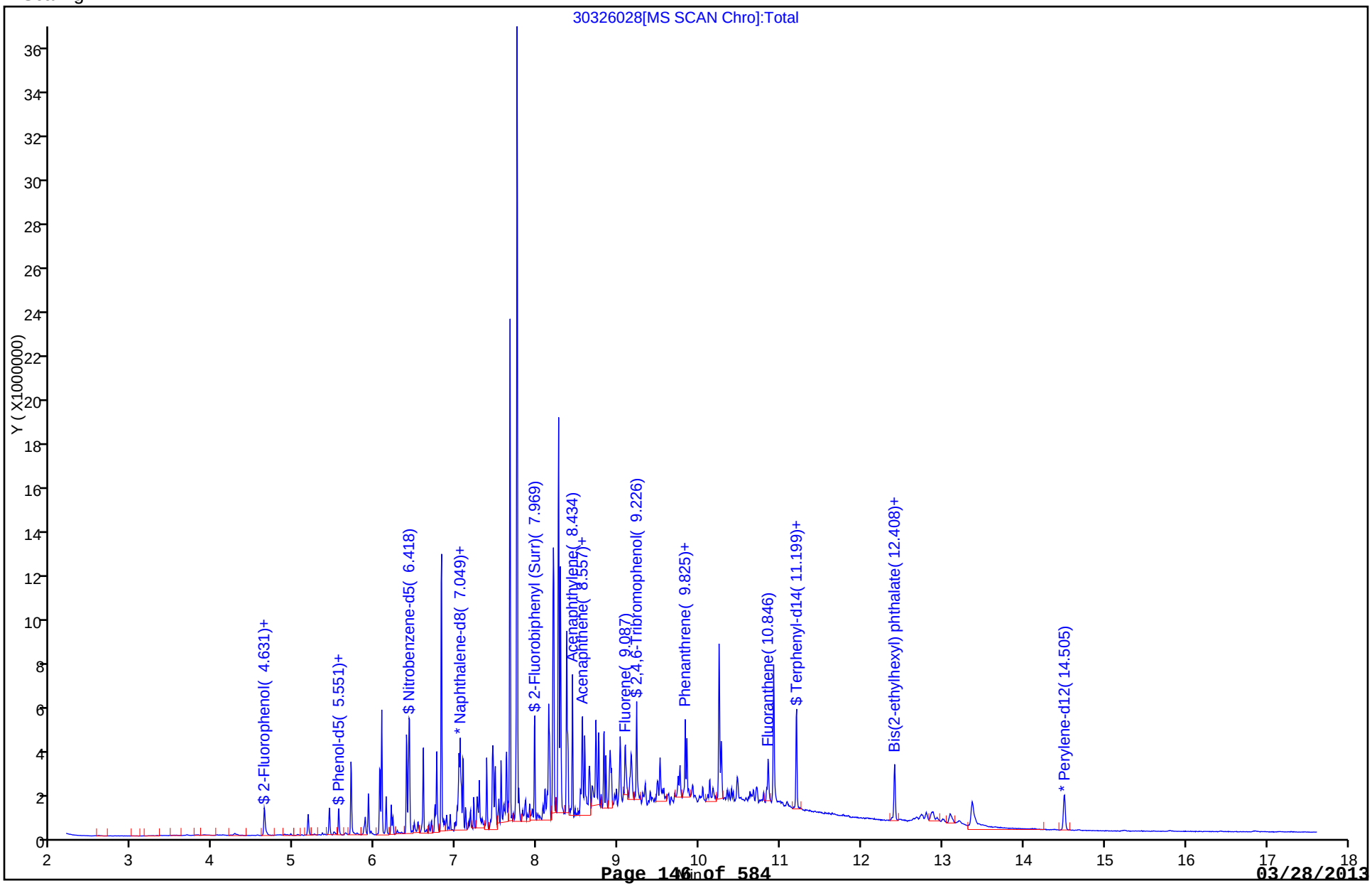
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Mar-2013 12:57:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

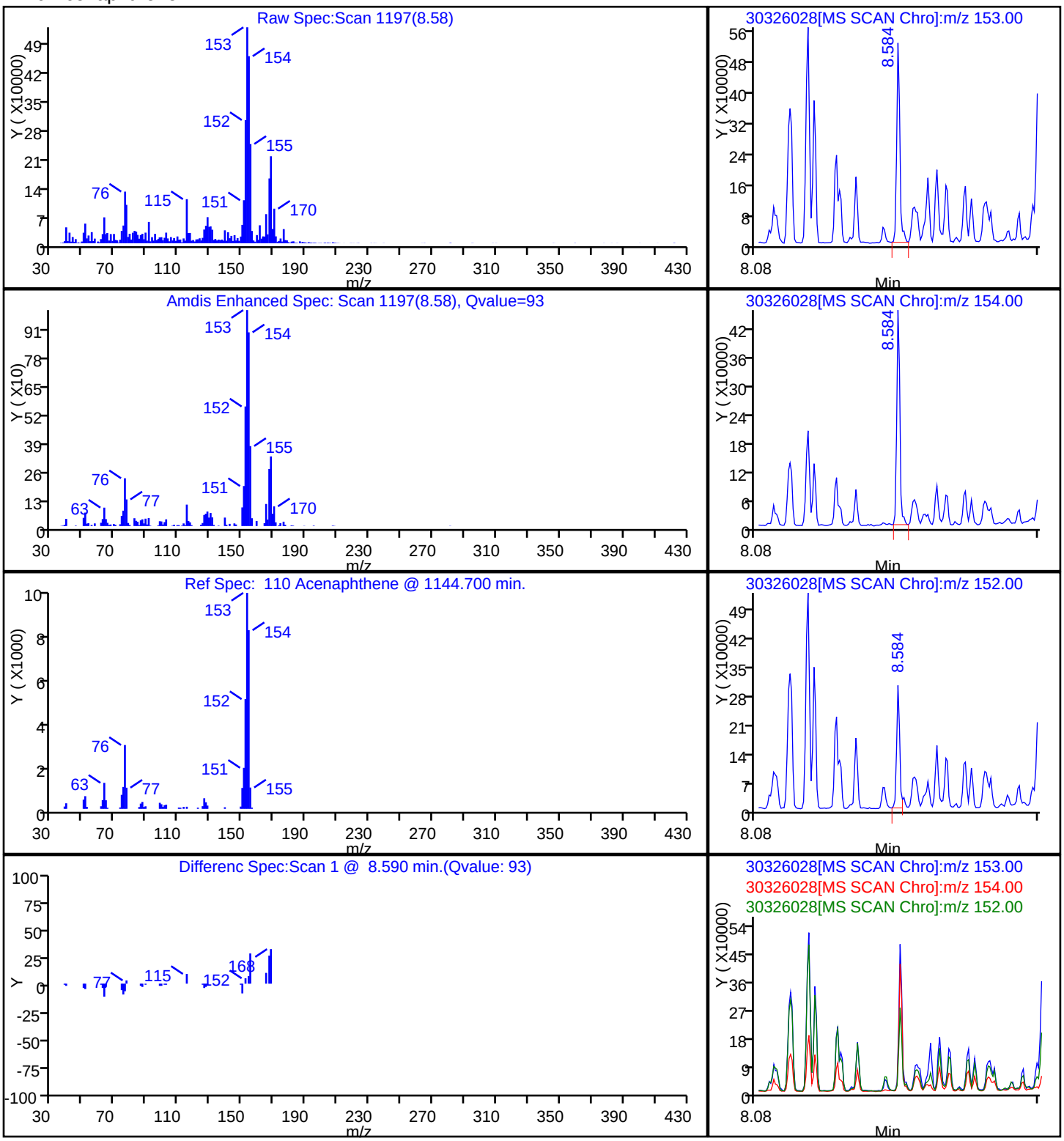


Report Date: 27-Mar-2013 12:57:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

110 Acenaphthene

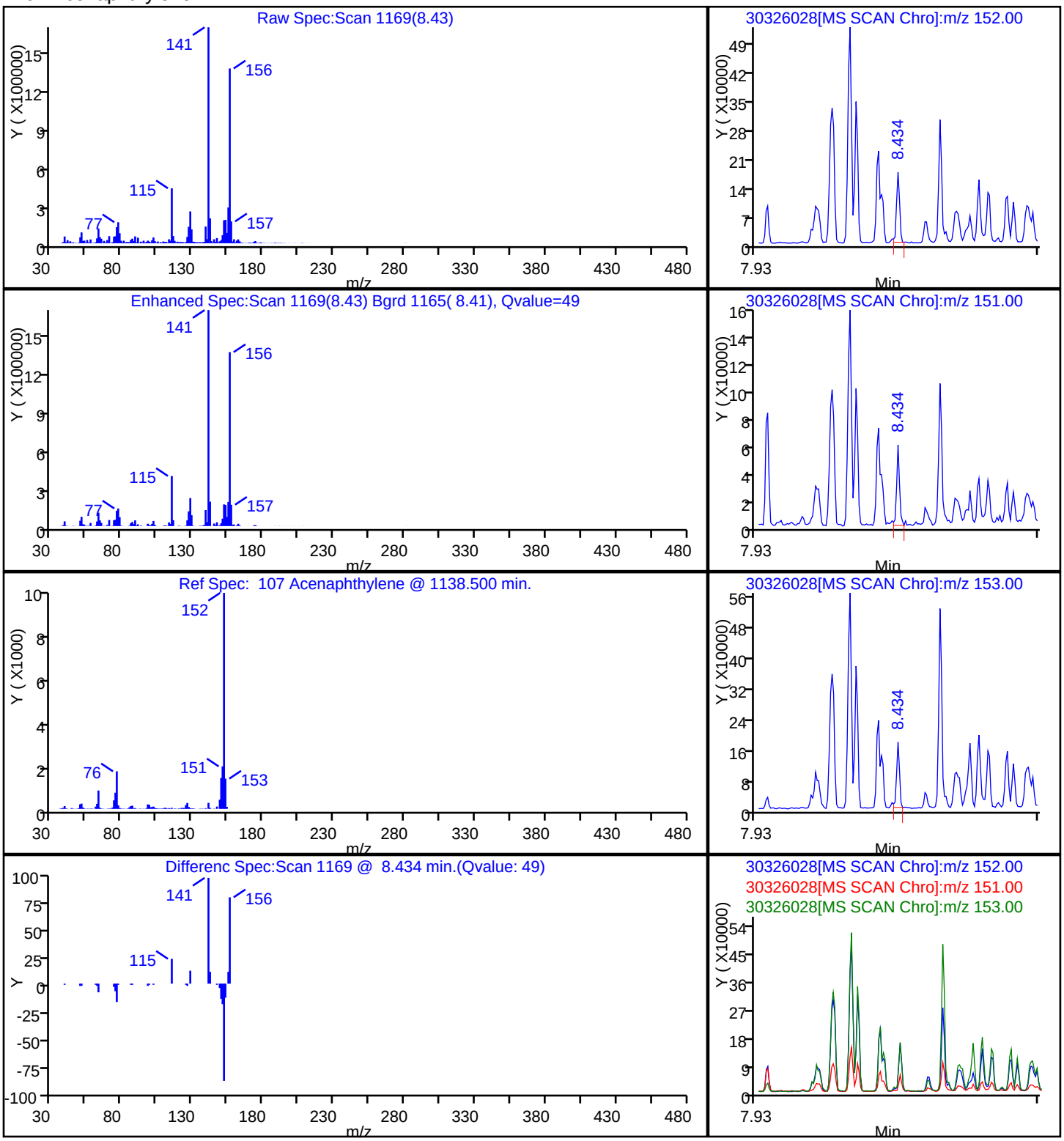


Report Date: 27-Mar-2013 12:57:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

107 Acenaphthylene

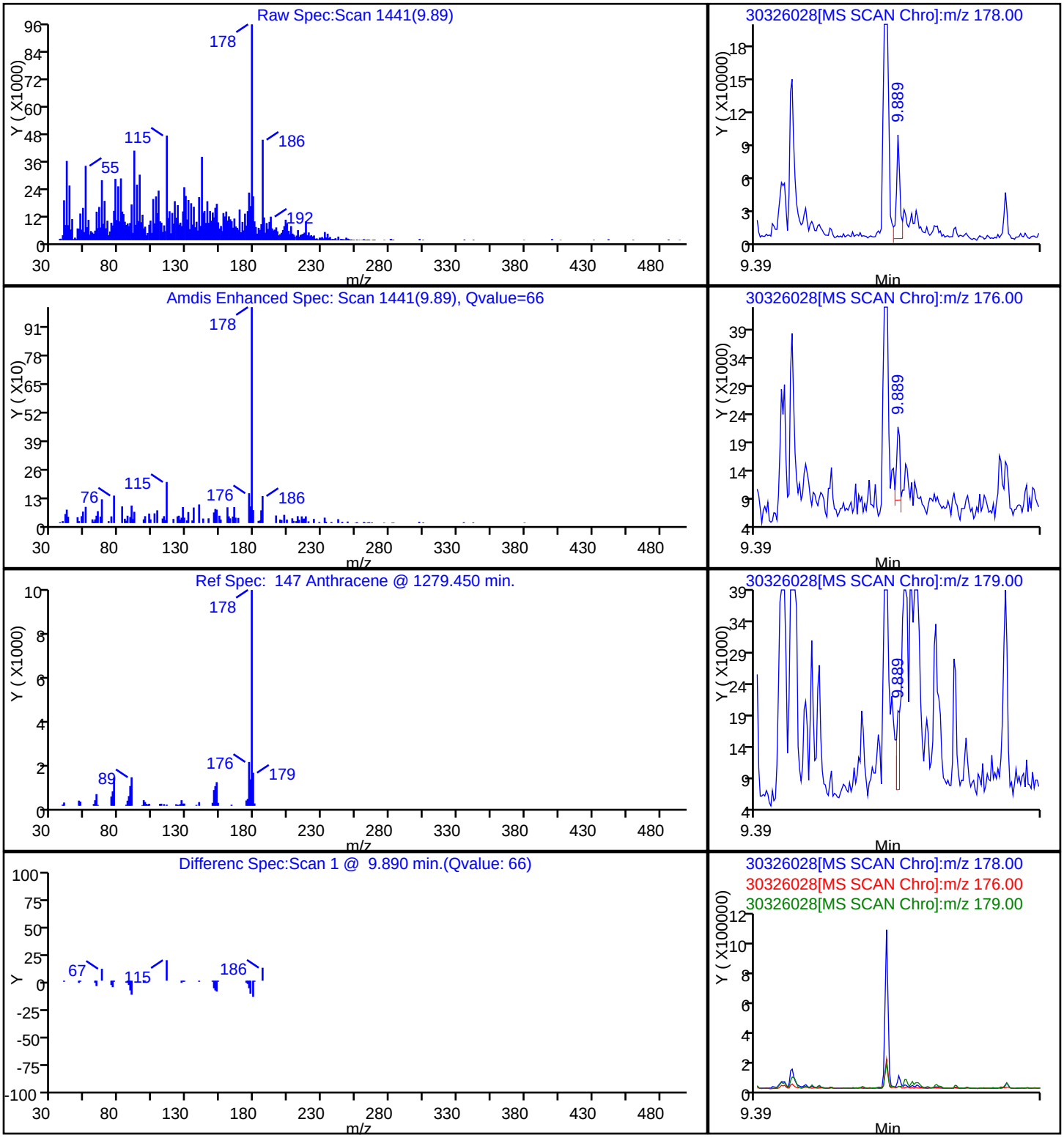


Report Date: 27-Mar-2013 12:57:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

147 Anthracene

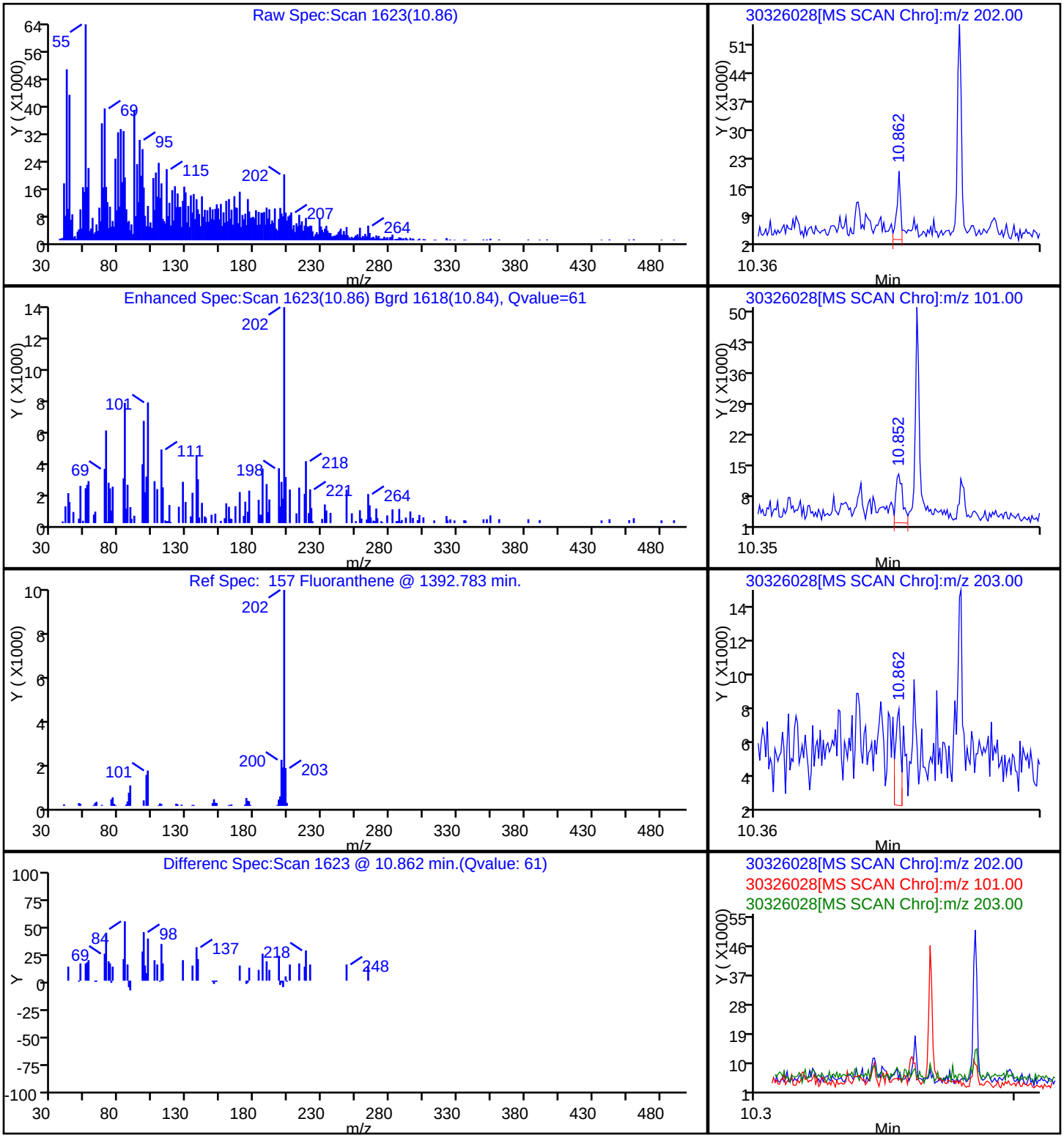


Report Date: 27-Mar-2013 12:57:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene

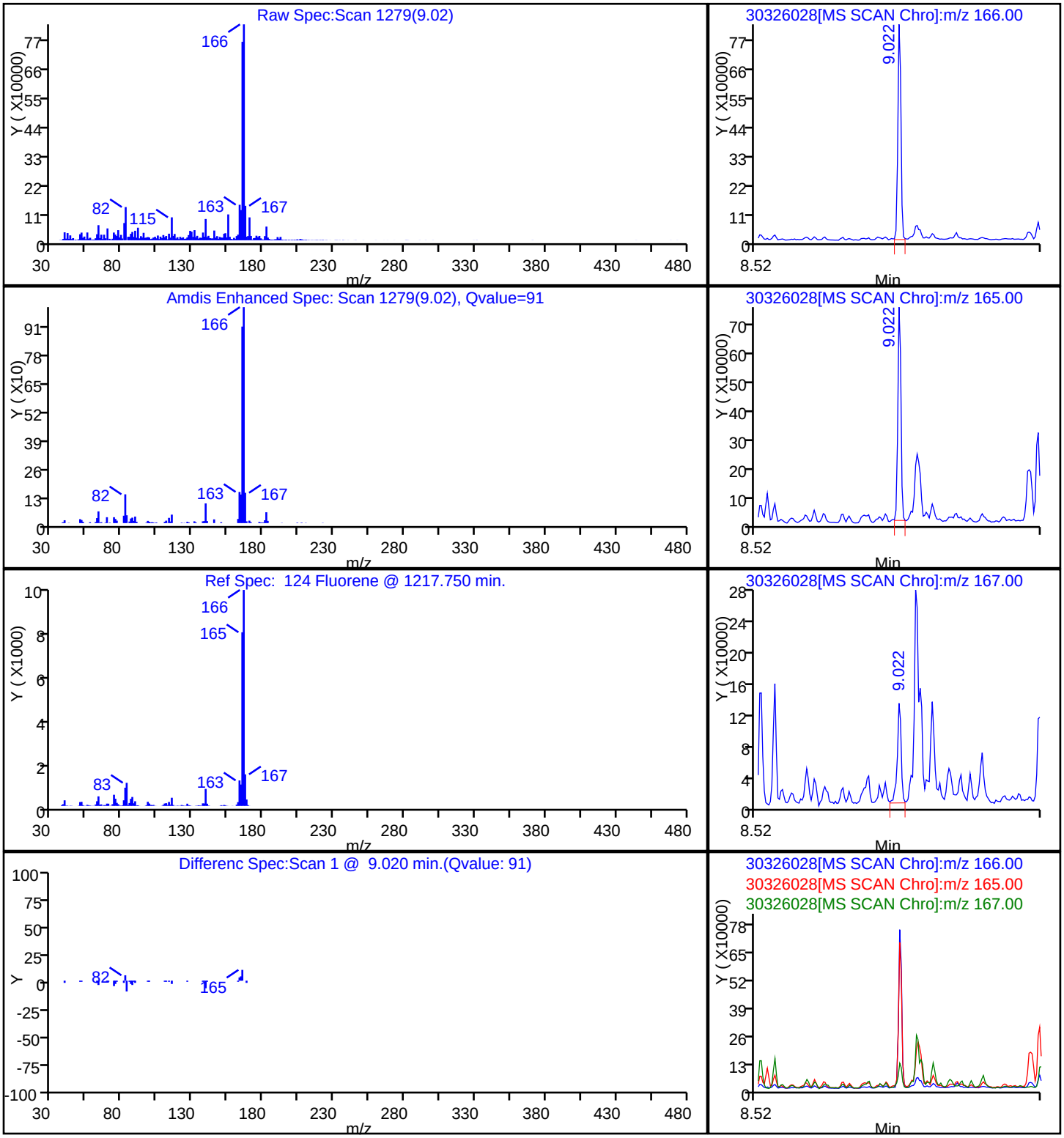


Report Date: 27-Mar-2013 12:57:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

124 Fluorene

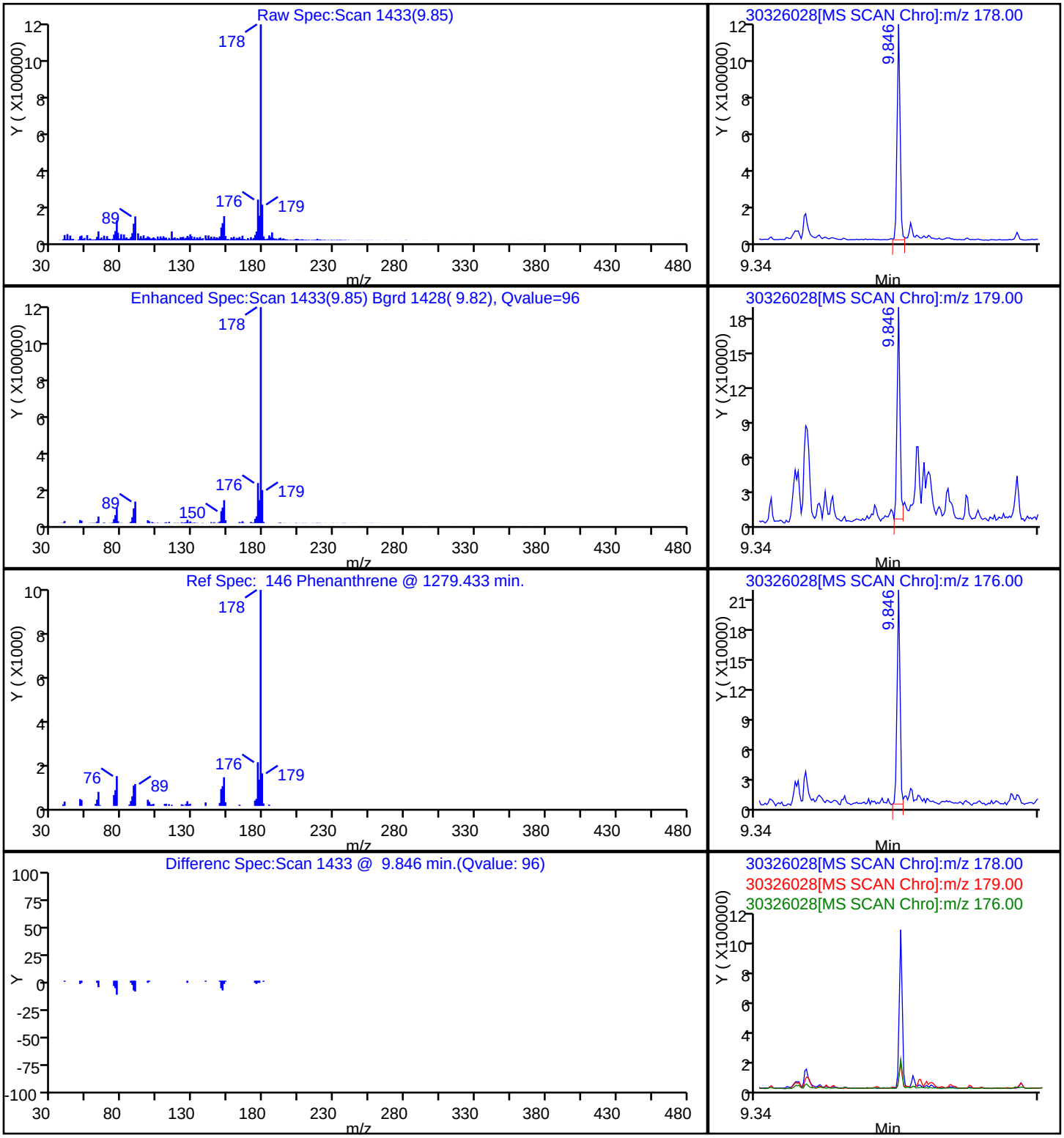


Report Date: 27-Mar-2013 12:57:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene

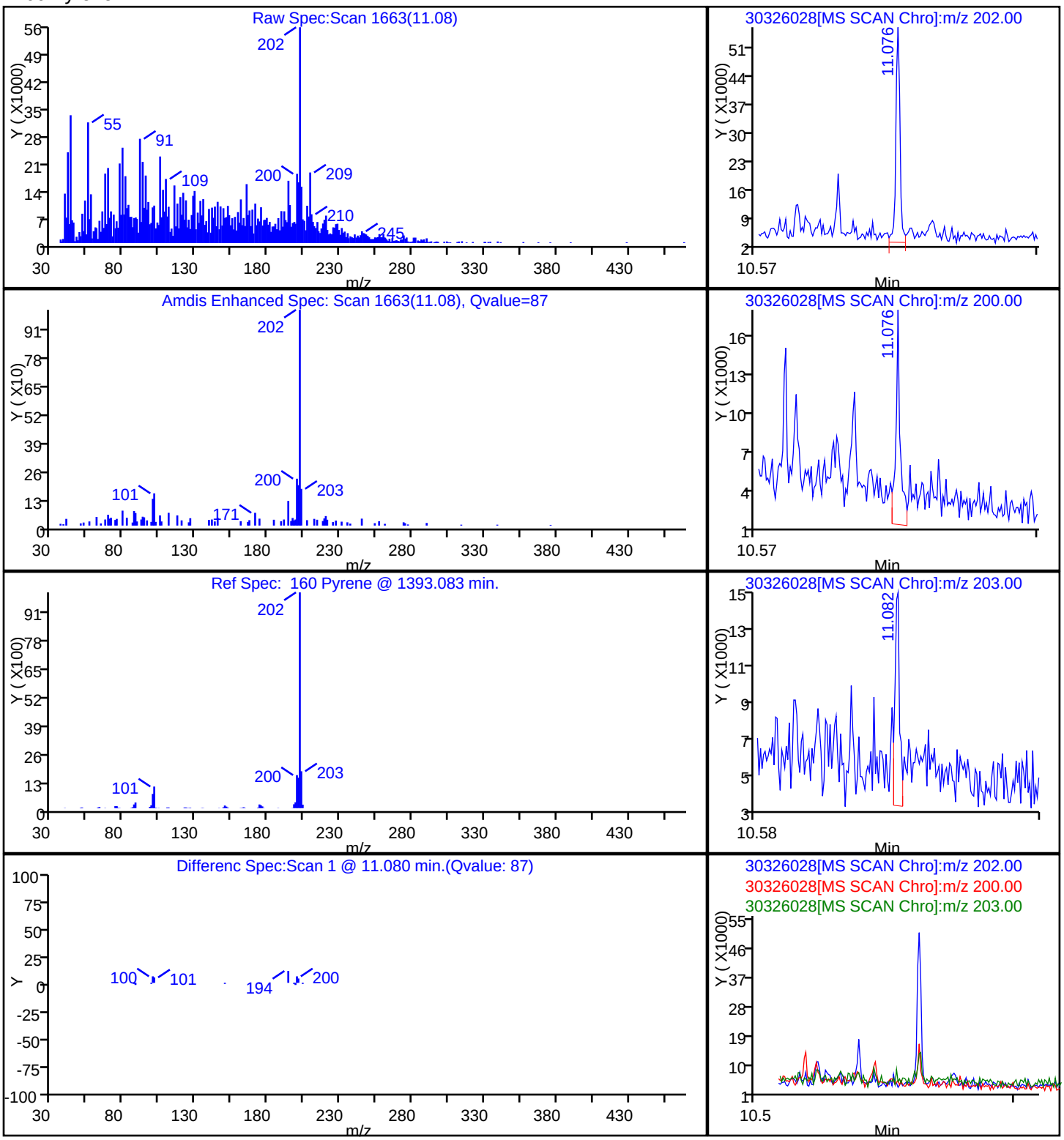


Report Date: 27-Mar-2013 12:57:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Pyrene



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-152058/6	m63147.d
Level 2	IC 460-152058/5	m63146.d
Level 3	ICIS 460-152058/2	m63143.d
Level 4	IC 460-152058/4	m63145.d
Level 5	IC 460-152058/3	m63144.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Naphthylamine	0	0	0	0	0	Ave								35.0			
2-Naphthylamine	0	0	0	0	0	Ave								35.0			
2-Toluidine	0	0	0	0	0	Ave								35.0			
1,4-Dioxane	0.8901	0.8344	0.8697	0.8836	0.9171	Ave		0.8790				3.4		35.0			
N-Nitrosodimethylamine	1.5777	1.5747	1.6768	1.5959	1.6741	Ave		1.6198				3.2		35.0			
Pyridine	2.6851	2.4075	2.5035	2.5107	2.5734	Ave		2.5360				4.0		35.0			
2,3,7,8-TCDD	+++++	+++++	0.1670	+++++	+++++	Ave		0.1670						35.0			
Benzaldehyde	1.6831	1.1711	0.7354	0.3802	0.2672	Ave		0.8474				69.1	*	35.0			
Phenol	2.2309	2.2861	2.2799	1.9534	2.0640	Ave		2.1629				6.8		35.0			
Aniline	2.5950	2.5304	2.6150	2.1289	1.5066	Ave		2.2752				20.8		35.0			
Bis(2-chloroethyl)ether	2.1989	1.8211	1.8797	1.9994	2.5023	Ave		2.0803				13.3		35.0			
Benzonitrile	3.2682	3.2043	3.2685	2.7636	2.7846	Ave		3.0578				8.5		35.0			
2-Chlorophenol	1.4618	1.4564	1.3890	1.2324	1.2397	Ave		1.3559				8.3		35.0			
Decane	2.4366	2.2780	2.2759	1.8512	1.8870	Ave		2.1458				12.2		35.0			
1,3-Dichlorobenzene	1.5774	1.5298	1.5014	1.4200	1.4119	Ave		1.4881				4.8		35.0			
1,4-Dichlorobenzene	1.5075	1.4884	1.4306	1.3584	1.3588	Ave		1.4287				4.9		35.0			
Benzyl alcohol	1.1474	1.2406	1.2315	1.1022	1.0451	Ave		1.1534				7.3		35.0			
1,2-Dichlorobenzene	1.4566	1.4618	1.3707	1.3228	1.3010	Ave		1.3826				5.4		35.0			
2-Methylphenol	1.6261	1.6943	1.5641	1.3237	1.3964	Ave		1.5209				10.3		35.0			
2,2'-oxybis[1-chloropropane]	3.3133	3.3623	3.2402	2.6379	2.5503	Ave		3.0208				13.0		35.0			
N-Methylaniline	2.6363	2.5771	2.4711	2.1412	2.1511	Ave		2.3954				9.8		35.0			
Acetophenone	2.2789	2.2436	1.9608	1.7659	1.7613	Ave		2.0021				12.5		35.0			
4-Methylphenol	1.8321	1.7885	1.6265	1.4263	1.4980	Ave		1.6343				10.8		35.0			
N-Nitrosodi-n-propylamine	1.5673	1.4407	1.4741	1.2259	1.2226	Ave		1.3861			0.0500	11.2		35.0			
Hexachloroethane	0.8498	0.8884	0.8927	0.8023	0.8294	Ave		0.8525				4.5		35.0			
Nitrobenzene	1.0290	0.9455	0.9043	0.8309	0.7644	Ave		0.8948				11.4		35.0			
n,n'-Dimethylaniline	2.2039	2.1664	2.0942	1.9673	1.9224	Ave		2.0709				5.9		35.0			
Isophorone	1.3338	1.3421	1.2534	1.1979	1.1070	Ave		1.2468				7.9		35.0			
2-Nitrophenol	0.2460	0.2676	0.2288	0.2250	0.2244	Ave		0.2384				7.8		35.0			
2,4-Dimethylphenol	0.4376	0.4605	0.3834	0.3416	0.3247	Ave		0.3896				15.1		35.0			
Bis(2-chloroethoxy)methane	0.7084	0.6801	0.6243	0.5778	0.5380	Ave		0.6257				11.2		35.0			
Benzoic acid	0.1945	0.2536	0.2405	0.2561	0.2353	Ave		0.2360				10.5		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,4-Dichlorophenol	0.3493	0.3802	0.3333	0.2920	0.2978	Ave		0.3305				11.1		35.0			
1,2,4-Trichlorobenzene	0.3887	0.3722	0.3644	0.3620	0.3403	Ave		0.3655				4.8		35.0			
Naphthalene	1.1603	1.1499	1.0529	1.0341	0.9853	Ave		1.0765				7.1		35.0			
4-Chloroaniline	0.4882	0.4864	0.4288	0.4112	0.3650	Ave		0.4359				12.0		35.0			
Hexachlorobutadiene	0.1981	0.2256	0.2168	0.2191	0.2124	Ave		0.2144				4.8		35.0			
Caprolactam	0.1511	0.1493	0.1407	0.1189	0.1097	Ave		0.1340				13.9		35.0			
4-Chloro-3-methylphenol	0.4757	0.4937	0.4184	0.3868	0.3679	Ave		0.4285				12.8		35.0			
2-Methylnaphthalene	0.6968	0.7105	0.6460	0.6280	0.5824	Ave		0.6527				8.0		35.0			
1-Methylnaphthalene	0.7211	0.7018	0.6518	0.5884	0.5931	Ave		0.6512				9.3		35.0			
Hexachlorocyclopentadiene	0.2901	0.3195	0.3927	0.4166	0.4267	Ave		0.3691			0.0500	16.5		35.0			
1,2,4,5-Tetrachlorobenzene	0.5515	0.5853	0.6133	0.5653	0.6370	Ave		0.5905				5.9		35.0			
2,4,6-Trichlorophenol	0.3456	0.3716	0.3518	0.3533	0.4007	Ave		0.3646				6.1		35.0			
2,4,5-Trichlorophenol	0.3594	0.3673	0.3619	0.3499	0.3519	Ave		0.3581				2.0		35.0			
Diphenyl	1.4320	1.5843	1.4601	1.4466	1.4581	Ave		1.4762				4.2		35.0			
2-Chloronaphthalene	1.1841	1.1228	1.1561	1.1768	1.1782	Ave		1.1636				2.2		35.0			
Diphenyl ether	0.7588	0.7394	0.7665	0.7883	0.7896	Ave		0.7685				2.7		35.0			
2-Nitroaniline	0.5724	0.6225	0.6601	0.5992	0.5972	Ave		0.6103				5.4		35.0			
Dimethylnaphthalene, total	0.9492	0.9500	0.9721	0.9523	1.0158	Ave		0.9679				2.9		35.0			
Dimethyl phthalate	1.3116	1.3184	1.2439	1.2716	1.2429	Ave		1.2777				2.8		35.0			
Coumarin	0.2557	0.2607	0.2284	0.2072	0.1960	Ave		0.2296				12.5		35.0			
2,6-Dinitrotoluene	0.2849	0.3089	0.3072	0.3136	0.3034	Ave		0.3036				3.6		35.0			
Acenaphthylene	1.8281	1.7506	1.7731	1.6737	1.6659	Ave		1.7383				3.9		35.0			
3-Nitroaniline	0.3117	0.3321	0.3145	0.3008	0.3102	Ave		0.3139				3.6		35.0			
Acenaphthene	1.2061	1.1635	1.0799	1.0932	1.1111	Ave		1.1308				4.7		35.0			
2,4-Dinitrophenol	0.1009	0.1459	0.1582	0.1722	0.1719	Ave		0.1498			0.0500	19.6		35.0			
4-Nitrophenol	0.3016	0.3357	0.3430	0.3205	0.3455	Ave		0.3293			0.0500	5.5		35.0			
2,4-Dinitrotoluene	0.4268	0.4028	0.3920	0.3669	0.3882	Ave		0.3953				5.5		35.0			
Dibenzofuran	1.4582	1.4771	1.4237	1.5155	1.4656	Ave		1.4680				2.3		35.0			
2,3,4,6-Tetrachlorophenol	0.2555	0.2878	0.2957	0.2693	0.2880	Ave		0.2793				5.9		35.0			
Diethyl phthalate	1.3337	1.3487	1.3878	1.2652	1.2659	Ave		1.3203				4.1		35.0			
4-Chlorophenyl phenyl ether	0.4757	0.5154	0.5028	0.5131	0.5186	Ave		0.5051				3.5		35.0			
Fluorene	1.1553	1.1826	1.2087	1.1979	1.2341	Ave		1.1957				2.5		35.0			
4-Nitroaniline	0.3040	0.3135	0.3081	0.2940	0.3170	Ave		0.3073				2.9		35.0			
4,6-Dinitro-2-methylphenol	0.1340	0.1586	0.1581	0.1790	0.1775	Ave		0.1614				11.3		35.0			
N-Nitrosodiphenylamine	0.6768	0.6592	0.6052	0.6370	0.6204	Ave		0.6397				4.5		35.0			
1,2-Diphenylhydrazine	1.6995	2.0033	1.9331	1.8542	1.7086	Ave		1.8398				7.3		35.0			
4-Bromophenyl phenyl ether	0.2562	0.2290	0.2378	0.2421	0.2575	Ave		0.2445				5.0		35.0			
Hexachlorobenzene	0.2336	0.2408	0.2468	0.2595	0.2637	Ave		0.2489				5.1		35.0			
Atrazine	0.2071	0.2091	0.2154	0.1916	0.1818	Ave		0.2010				6.9		35.0			
Pentachlorophenol	0.1522	0.1626	0.1562	0.1767	0.1883	Ave		0.1672				9.0		35.0			
n-Octadecane	0.9967	0.9513	0.9117	0.8416	0.8146	Ave		0.9032				8.4		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Phenanthrene	1.1874	1.1884	1.1356	1.1900	1.1898	Ave		1.1783				2.0		35.0			
Anthracene	1.1928	1.2232	1.1426	1.2496	1.2104	Ave		1.2037				3.3		35.0			
Carbazole	1.0613	1.1139	1.0275	1.0463	1.0660	Ave		1.0630				3.0		35.0			
Di-n-butyl phthalate	1.7699	1.7297	1.6122	1.6188	1.6117	Ave		1.6685				4.5		35.0			
Fluoranthene	0.9789	1.0029	0.9586	0.9820	1.0023	Ave		0.9850				1.9		35.0			
Benzidine	0.2512	0.2885	0.1486	0.1019	0.1027	Ave		0.1786				48.4	*	35.0			
Pyrene	1.5660	1.6013	1.5742	1.3650	1.2496	Ave		1.4712				10.6		35.0			
Butyl benzyl phthalate	0.9693	1.0421	0.9679	0.8907	0.8334	Ave		0.9407				8.5		35.0			
Carbamazepine	0.4138	0.4873	0.5515	0.5278	0.5499	Ave		0.5061				11.4		35.0			
3,3'-Dichlorobenzidine	0.3949	0.3851	0.3193	0.2885	0.2994	Ave		0.3374				14.6		35.0			
Benzo[a]anthracene	1.4495	1.1951	1.1394	1.1359	1.0949	Ave		1.2030				11.8		35.0			
Bis(2-ethylhexyl) phthalate	1.2481	1.2754	1.1957	1.1399	1.1183	Ave		1.1955				5.6		35.0			
Chrysene	1.0834	1.1853	1.0459	1.0102	0.9640	Ave		1.0577				7.9		35.0			
Di-n-octyl phthalate	2.3372	2.7819	2.5259	2.3043	2.0634	Ave		2.4025				11.2		35.0			
Benzo[b]fluoranthene	1.0914	1.2659	1.1994	1.2328	1.4012	Ave		1.2381				9.1		35.0			
Benzo[k]fluoranthene	1.1584	1.2490	1.2802	1.2570	1.1890	Ave		1.2267				4.1		35.0			
Benzo[a]pyrene	0.8139	1.0043	0.9842	1.0315	1.0691	Ave		0.9806				10.0		35.0			
Indeno[1,2,3-cd]pyrene	0.6539	0.9848	1.0673	1.2322	1.3872	Ave		1.0651				26.0		35.0			
Dibenz(a,h)anthracene	0.6266	0.9279	0.9836	1.1377	1.2256	Ave		0.9803				23.5		35.0			
Benzo[g,h,i]perylene	0.8036	0.9750	1.0563	1.2157	1.2532	Ave		1.0607				17.3		35.0			
2-Fluorophenol	2.0178	2.0843	1.9607	1.8342	1.9205	Ave		1.9635				4.8		35.0			
Phenol-d5	2.1730	2.2298	1.9840	1.8142	1.8605	Ave		2.0123				9.2		35.0			
Nitrobenzene-d5	0.6852	0.7526	0.7458	0.6389	0.6218	Ave		0.6889				8.7		35.0			
2-Fluorobiphenyl	1.1698	1.2036	1.2720	1.1883	1.3036	Ave		1.2275				4.7		35.0			
2,4,6-Tribromophenol	0.1716	0.1838	0.1838	0.1823	0.1995	Ave		0.1842				5.4		35.0			
Terphenyl-d14	0.9902	1.0311	0.9739	0.9304	0.8953	Ave		0.9642				5.5		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-152058/6	m63147.d
Level 2	IC 460-152058/5	m63146.d
Level 3	ICIS 460-152058/2	m63143.d
Level 4	IC 460-152058/4	m63145.d
Level 5	IC 460-152058/3	m63144.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	0	0	0	0	0	5.00	20.0	50.0	80.0	120
2-Naphthylamine	ANT	Ave	0	0	0	0	0	5.00	20.0	50.0	80.0	120
2-Toluidine	DCB	Ave	0	0	0	0	0	5.00	20.0	50.0	80.0	120
1,4-Dioxane	DCB	Ave	40728	141229	332070	593918	865062	5.00	20.0	50.0	80.0	120
N-Nitrosodimethylamine	DCB	Ave	72185	266532	640208	1072669	1579043	5.00	20.0	50.0	80.0	120
Pyridine	DCB	Ave	122855	407494	955852	1687611	2427291	5.00	20.0	50.0	80.0	120
2,3,7,8-TCDD	CRY	Ave	+++++	+++++	754	+++++	+++++	+++++	+++++	0.500	+++++	+++++
Benzaldehyde	DCB	Ave	77011	198222	280776	255583	252023	5.00	20.0	50.0	80.0	120
Phenol	DCB	Ave	102072	386937	870514	1313019	1946811	5.00	20.0	50.0	80.0	120
Aniline	DCB	Ave	118735	428295	998453	1430987	1421025	5.00	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	10061	308234	717706	1343902	2360179	0.500	20.0	50.0	80.0	120
Benzonitrile	DCB	Ave	149536	542352	1247958	1857604	2626517	5.00	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	66885	246502	530329	828353	1169338	5.00	20.0	50.0	80.0	120
Decane	DCB	Ave	111488	385579	868971	1244318	1779880	5.00	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	72173	258940	573256	954474	1331769	5.00	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	68977	251921	546212	913094	1281652	5.00	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	52500	209984	470215	740854	985788	5.00	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	66644	247431	523343	889115	1227145	5.00	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	74401	286781	597195	889731	1317142	5.00	20.0	50.0	80.0	120
2,2'-oxybis[1-chloropropane]	DCB	Ave	151599	569094	1237140	1773109	2405496	5.00	20.0	50.0	80.0	120
N-Methylaniline	DCB	Ave	120625	436192	943518	1439240	2028948	5.00	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	104269	379748	748644	1186975	1661284	5.00	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	83828	302716	621019	958670	1412910	5.00	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	7171	243855	562816	824033	1153210	0.500	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	3888	150366	340846	539283	782346	0.500	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	14325	473104	1036509	1569562	2113330	0.500	20.0	50.0	80.0	120
n,n'-Dimethylaniline	DCB	Ave	10084	366688	799612	1322354	1813250	0.500	20.0	50.0	80.0	120
Isophorone	NPT	Ave	185678	671565	1436564	2262981	3060272	5.00	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	34244	133902	262273	425002	620255	5.00	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	60916	230445	439406	645380	897673	5.00	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	98618	340321	715499	1091525	1487327	5.00	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	27071	126871	275701	483709	650565	5.00	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	48625	190259	382060	551580	823403	5.00	20.0	50.0	80.0	120
1,2,4-Trichlorobenzene	NPT	Ave	5411	186257	417678	683777	940783	0.500	20.0	50.0	80.0	120

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Naphthalene	NPT	Ave	161534	575388	1206827	1953451	2723877	5.00	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	67971	243366	491415	776811	1009127	5.00	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	5517	112904	248539	413932	587119	1.00	20.0	50.0	80.0	120
Caprolactam	NPT	Ave	21033	74727	161300	224699	303271	5.00	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	66228	247037	479514	730631	1017093	5.00	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	97002	355539	740374	1186392	1610084	5.00	20.0	50.0	80.0	120
1-Methylnaphthalene	NPT	Ave	100381	351174	747091	1111445	1639654	5.00	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	23632	92249	232428	395648	542384	5.00	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	44932	169017	362946	536913	809742	5.00	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	28154	107314	208174	335530	509342	5.00	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	29278	106058	214169	332338	447409	5.00	20.0	50.0	80.0	120
Diphenyl	ANT	Ave	116667	457487	864138	1373873	1853602	5.00	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	96471	324219	684206	1117589	1497819	5.00	20.0	50.0	80.0	120
Diphenyl ether	ANT	Ave	61821	213512	453637	748679	1003761	5.00	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	93267	179769	390646	569037	759230	10.0	20.0	50.0	80.0	120
Dimethylnaphthalene, total	ANT	Ave	77337	274334	575281	904374	1291305	5.00	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	106862	380701	736182	1207696	1580031	5.00	20.0	50.0	80.0	120
Coumarin	NPT	Ave	35594	130425	261797	391408	541801	5.00	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	4642	89198	181785	297799	385635	1.00	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	148937	505523	1049332	1589524	2117776	5.00	20.0	50.0	80.0	120
3-Nitroaniline	ANT	Ave	50797	95912	186144	285634	394303	10.0	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	98264	335992	639096	1038194	1412494	5.00	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Ave	24669	63205	93620	163572	218542	15.0	30.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	73726	145401	203006	304425	439191	15.0	30.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	6954	116312	231982	348412	493508	1.00	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	118806	426547	842549	1439299	1863110	5.00	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Ave	20820	83096	175000	255755	366082	5.00	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	108660	389474	821317	1201568	1609220	5.00	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	38757	148828	297570	487253	659197	5.00	20.0	50.0	80.0	120
Fluorene	ANT	Ave	94127	341504	715315	1137640	1568785	5.00	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	49540	90522	182315	279264	402983	10.0	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Ave	38245	80484	109982	186690	258426	15.0	30.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	64398	223041	421075	664199	903340	5.00	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	PHN	Ave	161714	677818	1345026	1933370	2487823	5.00	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	24374	77498	165424	252426	374943	5.00	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	2223	81489	171731	270608	383884	0.500	20.0	50.0	80.0	120
Atrazine	PHN	Ave	19704	70737	149870	199772	264705	5.00	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Ave	43460	82541	108694	184213	274230	15.0	30.0	50.0	80.0	120
n-Octadecane	PHN	Ave	94838	321870	634342	877536	1186132	5.00	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	112989	402106	790114	1240787	1732386	5.00	20.0	50.0	80.0	120
Anthracene	PHN	Ave	113497	413883	795022	1302899	1762308	5.00	20.0	50.0	80.0	120
Carbazole	PHN	Ave	100991	376879	714888	1090989	1552156	5.00	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	168412	585240	1121765	1687949	2346673	5.00	20.0	50.0	80.0	120

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Fluoranthene	PHN	Ave	93149	339348	666976	1023942	1459415	5.00	20.0	50.0	80.0	120
Benzidine	PHN	Ave	23899	146396	103405	106293	149470	5.00	30.0	50.0	80.0	120
Pyrene	CRY	Ave	93615	335499	710540	1030407	1487347	5.00	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	57941	218352	436883	672402	991988	5.00	20.0	50.0	80.0	120
Carbamazepine	CRY	Ave	24737	102099	248920	398459	654511	5.00	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	47217	121033	144108	217797	356338	10.0	30.0	50.0	80.0	120
Benzo[a]anthracene	CRY	Ave	8665	250410	514269	857514	1303209	0.500	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	74608	267233	539687	860462	1331071	5.00	20.0	50.0	80.0	120
Chrysene	CRY	Ave	64761	248339	472101	762555	1147431	5.00	20.0	50.0	80.0	120
Di-n-octyl phthalate	PRY	Ave	105297	433586	898600	1396910	2093635	5.00	20.0	50.0	80.0	120
Benzo[b]fluoranthene	PRY	Ave	4917	197306	426692	747344	1421743	0.500	20.0	50.0	80.0	120
Benzo[k]fluoranthene	PRY	Ave	5219	194667	455426	762006	1206445	0.500	20.0	50.0	80.0	120
Benzo[a]pyrene	PRY	Ave	3667	156528	350115	625292	1084769	0.500	20.0	50.0	80.0	120
Indeno[1,2,3-cd]pyrene	PRY	Ave	2946	153495	379693	746984	1407555	0.500	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	2823	144628	349900	689673	1243534	0.500	20.0	50.0	80.0	120
Benzo[g,h,i]perylene	PRY	Ave	36202	151956	375787	736992	1271532	5.00	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	92323	352779	748617	1232892	1811503	5.00	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	99425	377414	757514	1219466	1754867	5.00	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	95385	376605	854831	1206858	1718894	5.00	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	95302	347574	752817	1128568	1657177	5.00	20.0	50.0	80.0	120
2,4,6-Tribromophenol	ANT	Ave	13981	53065	108783	173093	253575	5.00	20.0	50.0	80.0	120
Terphenyl-d14	CRY	Ave	59191	216032	439583	702335	1065680	5.00	20.0	50.0	80.0	120

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-79448/6	30326006.D
Level 2	STD2 240-79448/5	30326005.D
Level 3	STD3 240-79448/4	30326004.D
Level 4	STD4 240-79448/3	30326003.D
Level 5	STD5 240-79448/2	30326002.D
Level 6	STD6 240-79448/10	30326010.D
Level 7	STD7 240-79448/9	30326009.D
Level 8	STD8 240-79448/8	30326008.D
Level 9	STD9 240-79448/7	30326007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.6330	0.7628 0.6445	0.6326 0.6996	0.6763 0.6979	0.6299	Ave		0.6721				7.0		35.0			
N-Nitrosodimethylamine	0.8596	0.7099 0.8489	0.7797 0.9511	0.7779 0.9204	0.8064	Ave		0.8317				9.6		35.0			
Pyridine	1.6429	1.3434 1.5993	1.2809 1.7969	1.5945 1.7982	1.5677	Ave		1.5780				12.0		35.0			
Phenol	2.2241	1.9240 1.1775	2.1512 2.4174	2.3641 2.3484	2.1316	Ave		2.2173				7.2		35.0			
Aniline	2.5046	2.2349 2.4622	2.3905 2.7463	2.7024 2.6917	2.3912	Ave		2.5155				7.2		35.0			
Bis(2-chloroethyl)ether	1.3947	1.2375 1.3858	1.4456 1.5148	1.5463 1.4915	1.3416	Ave		1.4197				7.1		35.0			
2-Chlorophenol	1.6946	1.4745 1.6754	1.6929 1.8765	1.8791 1.8350	1.6284	Ave		1.7196				8.1		35.0			
1,3-Dichlorobenzene	1.4694	1.4248 1.4325	1.4411 1.6157	1.5958 1.5673	1.4167	Ave		1.4954				5.6		35.0			
1,4-Dichlorobenzene	1.7960	1.7093 1.7700	1.8924 1.9872	1.9825 1.9405	1.7623	Ave		1.8550				5.9		35.0			
Benzoic acid	0.2074	+++++ 0.2276	0.0437 0.2487	0.1027 0.2622	0.1509	Lin1	-0.563	0.2563							0.9910		0.9900
Benzyl alcohol	1.0851	0.8331 1.1005	0.9686 1.2093	1.1681 1.1808	1.0488	Ave		1.0743				12.0		35.0			
1,2-Dichlorobenzene	1.3772	1.3731 1.3823	1.3794 1.5242	1.5293 1.4970	1.3377	Ave		1.4250				5.5		35.0			
2-Methylphenol	1.5910	1.3004 1.5889	1.5912 1.7271	1.7062 1.6881	1.5061	Ave		1.5874				8.7		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.4509	1.3571 1.4477	1.4889 1.5867	1.6492 1.5514	1.3704	Ave		1.4878				6.9		35.0			
3 & 4 Methylphenol	1.6445	1.3961 1.6417	1.5831 1.8084	1.8551 1.7857	1.5745	Ave		1.6611				9.1		35.0			
N-Nitrosodi-n-propylamine	0.9050	0.7751 0.8974	0.8776 0.9783	0.9954 0.9373	0.8843	Ave		0.9063				7.5		35.0			
Hexachloroethane	0.5733	0.5045 0.5644	0.5215 0.6207	0.5864 0.6182	0.5216	Ave		0.5638				7.9		35.0			
Nitrobenzene	0.3831	0.3232 0.3759	0.3373 0.4185	0.3908 0.4123	0.3549	Ave		0.3745				9.1		35.0			
2,4-Dinitrophenol	0.1426	+++++ 0.1526	+++++ 0.1648	0.0602 0.1706	0.0965	Ave		0.1312				33.0		35.0			
Isophorone	0.6276	0.5135 0.6323	0.5506 0.6859	0.6360 0.6892	0.5762	Ave		0.6139				10.0		35.0			
2-Nitrophenol	0.2162	0.1266 0.2171	0.1472 0.2365	0.1879 0.2348	0.1831	Ave		0.1937				21.0		35.0			
2,4-Dimethylphenol	0.4349	0.3757 0.4292	0.4292 0.4593	0.4741 0.4522	0.4026	Ave		0.4321				7.3		35.0			
Bis(2-chloroethoxy)methane	0.4219	0.3698 0.4194	0.4238 0.4427	0.4612 0.4512	0.4052	Ave		0.4244				6.8		35.0			
2,4-Dichlorophenol	0.3509	0.2681 0.3423	0.3248 0.3765	0.3598 0.3718	0.3186	Ave		0.3391				10.0		35.0			
1,2,4-Trichlorobenzene	0.3112	0.2938 0.3096	0.3229 0.3385	0.3266 0.3304	0.2884	Ave		0.3152				5.6		35.0			
Naphthalene	1.0415 0.9491	0.9309 0.9590	0.9415 1.0337	1.0305 1.0312	0.8949	Ave		0.9792				5.6		35.0			
4-Chloroaniline	0.4621	0.3988 0.4628	0.4234 0.4950	0.4699 0.4976	0.4305	Ave		0.4550				7.7		35.0			
Hexachlorobutadiene	0.1667	0.1600 0.1642	0.1678 0.1760	0.1747 0.1746	0.1528	Ave		0.1671				4.8		35.0			
1,2,3-Trichlorobenzene	0.2888	0.2801 0.2933	0.2874 0.3096	0.3064 0.3093	0.2715	Ave		0.2933				4.8		35.0			
4-Chloro-3-methylphenol	0.3673	0.2673 0.3751	0.3351 0.4016	0.3752 0.4039	0.3494	Ave		0.3594				12.0		35.0			
4-Nitrophenol	0.2248	+++++ 0.2285	0.1460 0.2477	0.1848 0.2523	0.1977	Ave		0.2117				18.0		35.0			
2-Methylnaphthalene	0.6544 0.6047	0.5424 0.6027	0.6054 0.6457	0.6623 0.6510	0.5654	Ave		0.6149				6.8		35.0			
Hexachlorocyclopentadiene	0.2828	0.1808 0.2882	0.2037 0.3151	0.2534 0.3139	0.2504	Ave		0.2610				19.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4,6-Trichlorophenol	0.4282	0.2786 0.4244	0.3498 0.4581	0.4279 0.4633	0.3836	Ave		0.4017				15.0		35.0			
4,6-Dinitro-2-methylphenol	0.1397	+++++ 0.1510	0.0472 0.1655	0.0816 0.1657	0.0965	Lin1	-0.160	0.1657							0.9920		0.9900
2,4,5-Trichlorophenol	0.4589	0.3461 0.4529	0.4039 0.4921	0.4759 0.4994	0.4204	Ave		0.4437				12.0		35.0			
2,4-Toluene diamine	0.1140	0.1407 0.1254	0.1897 0.1341	0.1708 0.1410	0.1019	Ave		0.1397				21.0		35.0			
1,1'-Biphenyl	1.3664 1.2092	1.1896 1.2221	1.2483 1.3017	1.3663 1.3025	1.1846	Ave		1.2656				5.6		35.0			
2-Chloronaphthalene	1.1128 1.0780	1.0018 1.0785	1.0826 1.1604	1.1800 1.1641	1.0313	Ave		1.0988				5.6		35.0			
2-Nitroaniline	0.3500	0.2022 0.3519	0.2448 0.3811	0.3153 0.3855	0.3063	Ave		0.3171				21.0		35.0			
Dimethyl phthalate	1.0965	0.9426 1.1223	1.0695 1.2281	1.2024 1.2204	1.0746	Ave		1.1196				8.6		35.0			
2,6-Dinitrotoluene	0.2529	0.1410 0.2603	0.1808 0.2811	0.2055 0.2843	0.2263	Ave		0.2290				22.0		35.0			
Acenaphthylene	1.2591 1.6027	1.3125 1.6336	1.4446 1.7672	1.6642 1.7803	1.5076	Ave		1.5524				12.0		35.0			
3-Nitroaniline	0.3255	0.1639 0.3324	0.2332 0.3644	0.3008 0.3596	0.2955	Ave		0.2969				23.0		35.0			
Acenaphthene	0.9705 0.9469	0.9360 0.9492	0.9645 1.0029	1.0511 1.0054	0.9461	Ave		0.9747				3.9		35.0			
2,4-Dinitrotoluene	0.3463	0.1618 0.3546	0.2236 0.3850	0.3042 0.3896	0.3075	Ave		0.3091				26.0		35.0			
Dibenzofuran	1.5704 1.4271	1.3579 1.4457	1.4559 1.5492	1.5787 1.5620	1.3791	Ave		1.4807				5.8		35.0			
Diethyl phthalate	1.0540	0.9351 1.0762	1.0209 1.1464	1.1338 1.1647	1.0307	Ave		1.0702				7.2		35.0			
4-Chlorophenyl phenyl ether	0.5580	0.5213 0.5746	0.5767 0.6125	0.6172 0.6153	0.5462	Ave		0.5777				6.1		35.0			
4-Nitroaniline	0.3212	0.1905 0.3231	0.2057 0.3555	0.2855 0.3497	0.2981	Ave		0.2912				21.0		35.0			
Fluorene	1.1636 1.1770	1.0674 1.1643	1.1710 1.2483	1.2788 1.2366	1.1467	Ave		1.1838				5.3		35.0			
N-Nitrosodiphenylamine	0.5861	0.4720 0.6051	0.5462 0.6458	0.6269 0.6485	0.5612	Ave		0.5865				10.0		35.0			
1,2-Diphenylhydrazine	0.7969	0.6367 0.8126	0.7342 0.8656	0.8472 0.8752	0.7604	Ave		0.7912				10.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Azobenzene	0.7969	0.6374 0.8126	0.7342 0.8656	0.8472 0.8752	0.7604	Ave		0.7912				10.0		35.0			
4-Bromophenyl phenyl ether	0.2025	0.1799 0.2106	0.2004 0.2256	0.2212 0.2232	0.1928	Ave		0.2070				7.8		35.0			
Hexachlorobenzene	0.2758 0.2063	0.1814 0.2094	0.2051 0.2206	0.2214 0.2223	0.1937	Ave		0.2151				12.0		35.0			
Pentachlorophenol	0.1577	0.0729 0.1684	0.1048 0.1801	0.1259 0.1800	0.1445	Ave		0.1418				27.0		35.0			
Phenanthrene	1.1248 1.0132	1.0145 1.0485	1.0871 1.1173	1.1095 1.1350	0.9810	Ave		1.0701				5.3		35.0			
Anthracene	0.7863 1.0474	0.8283 1.0706	0.9438 1.1518	1.0744 1.1538	0.9803	Ave		1.0041				13.0		35.0			
Carbazole	0.9880	0.8683 1.0206	0.9580 1.1036	1.0351 1.0919	0.9404	Ave		1.0007				7.9		35.0			
Di-n-butyl phthalate	1.1133	1.0236 1.1663	1.0479 1.2704	1.1887 1.2610	1.0954	Ave		1.1458				8.0		35.0			
Fluoranthene	1.0391 1.1386	0.9481 1.1832	1.0585 1.2698	1.1680 1.2825	1.0896	Ave		1.1308				9.6		35.0			
Benzidine	0.5290	0.1940 0.5598	0.2836 0.5884	0.3942 0.5861	0.4266	Ave		0.4452				33.0		35.0			
Pyrene	0.9901 1.0741	0.9225 1.0970	1.0259 1.1714	1.1304 1.1823	1.0392	Ave		1.0703				8.0		35.0			
Di-n-octyl phthalate	1.0906	+++++ 1.1838	0.5417 1.3197	0.8467 1.3643	1.0018	Ave		1.0498				27.0		35.0			
Butyl benzyl phthalate	0.4177	0.2175 0.4287	0.2768 0.4715	0.3688 0.4717	0.3857	Ave		0.3798				24.0		35.0			
3,3'-Dichlorobenzidine	0.4258	0.2420 0.4361	0.3105 0.4629	0.3897 0.4605	0.3808	Ave		0.3885				20.0		35.0			
Bis(2-ethylhexyl) phthalate	0.5914	0.3029 0.6160	0.3952 0.6675	0.5283 0.6671	0.5580	Ave		0.5408				24.0		35.0			
Benzo[a]anthracene	0.9020 0.9703	0.8054 1.0009	0.8997 1.0748	1.0092 1.0777	0.9369	Ave		0.9641				9.2		35.0			
Chrysene	0.9672 0.8833	0.8130 0.9047	0.8934 0.9559	0.9436 0.9517	0.8401	Ave		0.9059				6.0		35.0			
Benzo[b]fluoranthene	0.9494 1.1500	0.9382 1.1653	0.9969 1.2865	1.2193 1.3297	1.0956	Ave		1.1256				13.0		35.0			
Benzo[k]fluoranthene	1.0656 1.1999	1.0075 1.2818	1.1485 1.3454	1.2400 1.3536	1.1526	Ave		1.1994				9.9		35.0			
Benzo[a]pyrene	0.5219 1.1034	0.7615 1.1541	0.8946 1.2564	1.0675 1.2915	1.0501	Ave		1.0112				24.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Indeno[1,2,3-cd]pyrene	0.9939 1.1722	0.8686 1.2071	1.0038 1.3181	1.2130 1.3328	1.1231	Ave		1.1370				14.0		35.0			
Dibenz(a,h)anthracene	0.8261 0.9660	0.7252 0.9906	0.8214 1.0770	0.9965 1.0957	0.9226	Ave		0.9357				13.0		35.0			
Benzo[g,h,i]perylene	0.8968 0.9753	0.8553 1.0112	0.9150 1.0807	1.0250 1.1036	0.9263	Ave		0.9766				8.7		35.0			
2-Fluorophenol	 1.5666	1.4081 1.5692	1.4752 1.7616	1.7073 1.7061	1.5086	Ave		1.5878				7.9		35.0			
Phenol-d5	 2.0872	1.7917 2.0846	2.0235 2.3066	2.2399 2.2565	2.0183	Ave		2.1010				7.9		35.0			
Nitrobenzene-d5	0.3383 0.3682	0.2852 0.3764	0.3241 0.4007	0.3738 0.4015	0.3415	Ave		0.3566				11.0		35.0			
2-Fluorobiphenyl (Surr)	1.3060 1.2123	1.1896 1.2108	1.2445 1.3012	1.3099 1.3146	1.1628	Ave		1.2502				4.7		35.0			
2,4,6-Tribromophenol	 0.1935	0.0988 0.1993	0.1366 0.2112	0.1839 0.2184	0.1802	Ave		0.1777				23.0		35.0			
Terphenyl-d14	0.6894 0.6465	0.5965 0.6713	0.6521 0.7103	0.6914 0.7047	0.6250	Ave		0.6653				5.8		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-79448/6	30326006.D
Level 2	STD2 240-79448/5	30326005.D
Level 3	STD3 240-79448/4	30326004.D
Level 4	STD4 240-79448/3	30326003.D
Level 5	STD5 240-79448/2	30326002.D
Level 6	STD6 240-79448/10	30326010.D
Level 7	STD7 240-79448/9	30326009.D
Level 8	STD8 240-79448/8	30326008.D
Level 9	STD9 240-79448/7	30326007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	420122	23407 609271	36827 812988	77161 1025483	175291	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	570504	21784 802499	45391 1105285	88758 1352528	224396	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	1090395	41224 1511978	74575 2088089	181927 2642441	436263	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol	DCB	Ave	1476159	59043 2058575	125239 2809221	269737 3450828	593175	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1662335	68584 2327767	139172 3191428	308335 3955352	665435	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	925694	37974 1310152	84164 1760270	176434 2191721	373342	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	1124712	45248 1583922	98562 2180665	214405 2696449	453165	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	975264	43722 1354279	83901 1877531	182081 2303096	394229	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCB	Ave	1192018	52455 1673338	110176 2309298	226202 2851461	490425	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Lin1	1078161	+++++ 1680861	20122 2301997	93469 3022835	331850	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Benzyl alcohol	DCB	Ave	720165	25565 1040379	56392 1405316	133277 1735148	291870	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	914086	42135 1306787	80310 1771234	174496 2199824	372265	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	1055964	39906 1502160	92640 2006976	194676 2480635	419119	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,2'-oxybis[1-chloropropane]	DCB	Ave	962987	41645 1368664	86681 1843818	188170 2279797	381361	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3 & 4 Methylphenol	DCB	Ave	1091443	42843 1552017	92168 2101430	211669 2624076	438147	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	600670	23786 848436	51095 1136879	113569 1377355	246099	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	380489	15481 533536	30360 721295	66905 908365	145159	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	995913	38599 1388013	77754 1936346	177885 2376630	390254	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Ave	433425	+++++ 663498	+++++ 900840	31802 1159074	122402	20.0	+++++ 30.0	+++++ 40.0	4.00 50.0	10.0
Isophorone	NPT	Ave	1631728	61335 2334482	126917 3174030	289474 3972850	633525	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	562114	15126 801642	33937 1094299	85528 1353463	201326	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	1130626	44870 1584480	98916 2125189	215812 2606996	442644	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	1096909	44165 1548356	97678 2048320	209910 2601095	445478	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	912308	32019 1263688	74862 1742038	163752 2143316	350330	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	808990	35095 1142932	74414 1566115	148648 1904650	317142	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	23248 2467428	111184 3540834	217009 4783268	469037 5944609	983982	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	1201285	47629 1708794	97600 2290659	213873 2868698	473280	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	433361	19107 606172	38679 814445	79508 1006350	167968	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,3-Trichlorobenzene	NPT	Ave	750760	33452 1082729	66243 1432773	139463 1782769	298551	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloro-3-methylphenol	NPT	Ave	954944	31924 1384704	77246 1858379	170804 2328594	384172	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	341752	+++++ 496792	19475 676834	48766 857104	125414	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	14606 1572040	64788 2225086	139527 2987581	301470 3752455	621660	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	429847	12669 626565	27176 861001	66896 1066624	158855	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	650890	19518 922597	46661 1251922	112954 1573978	243352	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Lin1	338424	+++++ 517434	9817 716033	34328 891673	98836	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	697628	24247 984580	53888 1344691	125615 1696883	266711	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Toluene diamine	NPT	Ave	296411	16802 462880	43715 620565	77759 813092	112008	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	17227 1838102	83349 2656934	166539 3556973	360635 4425529	751588	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	14030 1638715	70187 2344810	144431 3170980	311456 3955274	654317	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	532110	14164 765126	32660 1041411	83232 1309734	194347	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	1666867	66037 2439906	142683 3355999	317373 4146465	681802	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	384404	9877 565942	24119 768234	54230 965893	143554	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	15874 2436333	91954 3551614	192722 4829028	439256 6048801	956467	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	494851	11481 722700	31106 995870	79408 1221769	187468	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	12236 1439434	65578 2063719	128675 2740413	277426 3416017	600263	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrotoluene	ANT	Ave	526384	11336 770957	29834 1052134	80286 1323846	195107	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	19799 2169395	95137 3143157	194227 4233295	416696 5306911	874981	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	1602197	65513 2339721	136196 3132662	299274 3957326	653925	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	848242	36523 1249315	76940 1673826	162909 2090559	346563	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	488242	13349 702472	27436 971298	75359 1188225	189097	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	14670 1789234	74781 2531431	156219 3411173	337549 4201488	727496	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	1419987	52408 2073080	113712 2793486	263876 3489863	574983	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Diphenylhydrazine	PHN	Ave	1930662	70699 2784315	152850 3744096	356569 4710267	779062	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	1930662	70776 2784315	152850 3744096	356569 4710267	779062	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	490578	19981 721422	41720 976059	93120 1200984	197505	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	5540 499897	20144 717490	42695 954287	93169 1196313	198445	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Pentachlorophenol	PHN	Ave	764114	16182 1153973	43647 1558037	105951 1937678	296110	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	22598 2454518	112650 3592541	226309 4832869	467013 6108372	1005160	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	15798 2537397	91971 3668301	196477 4982079	452219 6209443	1004362	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	2393500	96410 3496931	199426 4773650	435677 5876009	963476	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	2697028	113654 3996191	218142 5495379	500324 6786140	1122340	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	20877 2758426	105270 4053796	220359 5492589	491610 6901778	1116427	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Ave	1453880	23367 2181137	66007 2925689	187472 3656982	486326	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyrene	CRY	Ave	21286 2952020	111101 4274201	238740 5824508	537589 7376722	1184856	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Ave	2488951	+++++ 3846324	102348 5433207	323955 6940428	944629	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	1148070	26196 1670244	64414 2344618	175400 2943091	439794	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dichlorobenzidine	CRY	Ave	1170164	29140 1699140	72252 2301749	185338 2873193	434211	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1625244	36483 2400113	91978 3318999	251255 4162273	636213	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Ave	19392 2666598	96994 3899652	209380 5344271	479938 6724075	1068170	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	20795 2427682	97913 3525022	207916 4752804	448733 5937855	957809	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	16792 2624632	90721 3786238	188361 5296452	466521 6763986	1032987	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	18847 2738407	97415 4164952	217006 5538890	474465 6885986	1086750	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	9232 2518111	73637 3749884	169031 5172766	408458 6569717	990110	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	17580 2675286	83988 3922218	189677 5426465	464115 6780021	1058943	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	14612 2204679	70122 3218513	155208 4434051	381276 5574031	869919	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	15863 2225735	82707 3285630	172894 4449370	392176 5613886	873393	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol	DCB	Ave	1039757	43211 1483458	85886 2047130	194803 2507104	419804	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Phenol-d5	DCB	Ave	1385274	54982 1970716	117808 2680473	255567 3315929	561669	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5	NPT	Ave	7552 957271	34065 1389517	74698 1854040	170163 2314248	375505	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	16465 1842894	83345 2632436	166030 3555754	345738 4466491	737748	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol	ANT	Ave	294115	6925 433359	18218 577145	48551 742165	114313	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14	CRY	Ave	14821 1776880	71844 2615522	151757 3531872	328823 4396791	712539	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:16 Calibration End Date: 03/26/2013 17:03 Calibration ID: 14269

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 240-79448/20	30326020.D
Level 2	STD3 240-79448/19	30326019.D
Level 3	STD4 240-79448/18	30326018.D
Level 4	STD5 240-79448/17	30326017.D
Level 5	STD6 240-79448/16	30326016.D
Level 6	STD7 240-79448/15	30326015.D
Level 7	STD8 240-79448/14	30326014.D
Level 8	STD9 240-79448/13	30326013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodiethylamine	0.4825 0.6611	0.4973 0.6253	0.5119 0.6519	0.5837	0.5978	Ave		0.5764				12.0		35.0			
N-Nitrosopyrrolidine	0.3562 0.6161	0.3706 0.5899	0.4360 0.6189	0.4933	0.5207	Ave		0.5002				21.0		35.0			
2-Toluidine	2.0777 1.4469	1.9392 1.0668	2.0450	2.0172	1.7245	Ave		1.7596				22.0		35.0			
N-Nitrosodi-n-butylamine	0.1372 0.2154	0.1560 0.2123	0.1714 0.2106	0.1869	0.1950	Ave		0.1856				15.0		35.0			
1,2,4,5-Tetrachlorobenzene	0.4939 0.5031	0.4722 0.5064	0.4677 0.4860	0.4723	0.4728	Ave		0.4843				3.2		35.0			
Pentachlorobenzene	0.4130 0.4370	0.3892 0.4341	0.3934 0.4284	0.4067	0.4109	Ave		0.4141				4.3		35.0			
Tributyl phosphate	0.7185 1.5757	0.4067 1.5854	1.1495 1.5963	1.2933	1.4442	Lin1	-0.758	1.5960							0.9960		0.9900
Pentachloronitrobenzene	0.0474 0.0837	0.0579 0.0833	0.0658 0.0809	0.0736	0.0756	Ave		0.0710				18.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:16 Calibration End Date: 03/26/2013 17:03 Calibration ID: 14269

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 240-79448/20	30326020.D
Level 2	STD3 240-79448/19	30326019.D
Level 3	STD4 240-79448/18	30326018.D
Level 4	STD5 240-79448/17	30326017.D
Level 5	STD6 240-79448/16	30326016.D
Level 6	STD7 240-79448/15	30326015.D
Level 7	STD8 240-79448/14	30326014.D
Level 8	STD9 240-79448/13	30326013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodiethylamine	DCB	Ave	15263 538270	32509 655217	65318 889540	175285	336868	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
N-Nitrosopyrrolidine	DCB	Ave	11269 501598	24231 618214	55638 844552	148136	293444	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
2-Toluidine	DCB	Ave	65726 1178067	126774 1117880	260952	605800	971754	0.500 15.0	1.00 20.0	2.00	5.00	10.0
N-Nitrosodi-n-butylamine	NPT	Ave	17505 725272	40512 885314	89580 1201917	224715	442132	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	37724 1026755	70305 1249210	145364 1658749	344279	630153	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
Pentachlorobenzene	ANT	Ave	31545 891837	57938 1070847	122253 1462272	296436	547631	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
Tributyl phosphate	ANT	Lin1	54874 3215708	60544 3910474	357231 5448745	942726	1924643	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
Pentachloronitrobenzene	PHN	Ave	5785 273644	14161 337926	32297 451439	85656	167672	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 240-79448/11 Calibration Date: 03/26/2013 13:29

Instrument ID: A4HP7 Calib Start Date: 03/26/2013 09:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/26/2013 13:05

Lab File ID: 30326011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6721	0.6275		9.34	10.0	-6.6	20.0
N-Nitrosodimethylamine	Ave	0.8317	0.8725		10.5	10.0	4.9	20.0
Pyridine	Ave	1.578	1.630		10.3	10.0	3.3	20.0
Phenol	Ave	2.217	2.182		9.84	10.0	-1.6	20.0
Aniline	Ave	2.515	2.494		9.91	10.0	-0.9	20.0
Bis(2-chloroethyl)ether	Ave	1.420	1.375		9.69	10.0	-3.1	20.0
2-Chlorophenol	Ave	1.720	1.720		10.0	10.0	0.0	20.0
1,3-Dichlorobenzene	Ave	1.495	1.473		9.85	10.0	-1.5	20.0
1,4-Dichlorobenzene	Ave	1.855	1.793		9.67	10.0	-3.3	20.0
Benzyl alcohol	Ave	1.074	1.116		10.4	10.0	3.9	20.0
1,2-Dichlorobenzene	Ave	1.425	1.398		9.81	10.0	-1.9	20.0
2-Methylphenol	Ave	1.587	1.602		10.1	10.0	0.9	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.488	1.447		9.73	10.0	-2.7	20.0
3 & 4 Methylphenol	Ave	1.661	1.655		9.96	10.0	-0.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.9063	0.9257		10.2	10.0	2.1	20.0
Hexachloroethane	Ave	0.5638	0.5766		10.2	10.0	2.3	20.0
Nitrobenzene	Ave	0.3745	0.3822		10.2	10.0	2.1	20.0
Isophorone	Ave	0.6139	0.6393		10.4	10.0	4.1	20.0
2-Nitrophenol	Ave	0.1937	0.2152		11.1	10.0	11.1	20.0
2,4-Dimethylphenol	Ave	0.4321	0.4299		9.95	10.0	-0.5	20.0
Benzoic acid	Lin1		0.2145		18.9	20.0	-5.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.4244	0.4181		9.85	10.0	-1.5	20.0
2,4-Dichlorophenol	Ave	0.3391	0.3492		10.3	10.0	3.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3152	0.3019		9.58	10.0	-4.2	20.0
Naphthalene	Ave	0.9792	0.9431		9.63	10.0	-3.7	20.0
4-Chloroaniline	Ave	0.4550	0.4554		10.0	10.0	0.0	20.0
Hexachlorobutadiene	Ave	0.1671	0.1638		9.80	10.0	-2.0	20.0
1,2,3-Trichlorobenzene	Ave	0.2933	0.2912		9.93	10.0	-0.7	20.0
4-Chloro-3-methylphenol	Ave	0.3594	0.3748		10.4	10.0	4.3	20.0
2-Methylnaphthalene	Ave	0.6149	0.6009		9.77	10.0	-2.3	20.0
Hexachlorocyclopentadiene	Ave	0.2610	0.2669		10.2	10.0	2.2	20.0
2,4,6-Trichlorophenol	Ave	0.4017	0.4083		10.2	10.0	1.6	20.0
2,4,5-Trichlorophenol	Ave	0.4437	0.4540		10.2	10.0	2.3	20.0
2,4-Toluene diamine	Ave	0.1397	0.1237		8.85	10.0	-11.5	20.0
1,1'-Biphenyl	Ave	1.266	1.194		9.43	10.0	-5.7	20.0
2-Chloronaphthalene	Ave	1.099	1.040		9.47	10.0	-5.3	20.0
2-Nitroaniline	Ave	0.3171	0.3450		10.9	10.0	8.8	20.0
Dimethyl phthalate	Ave	1.120	1.106		9.88	10.0	-1.2	20.0
2,6-Dinitrotoluene	Ave	0.2290	0.2526		11.0	10.0	10.3	20.0
Acenaphthylene	Ave	1.552	1.595		10.3	10.0	2.8	20.0
3-Nitroaniline	Ave	0.2969	0.3241		10.9	10.0	9.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 240-79448/11 Calibration Date: 03/26/2013 13:29

Instrument ID: A4HP7 Calib Start Date: 03/26/2013 09:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/26/2013 13:05

Lab File ID: 30326011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Ave	0.1312	0.1385		21.1	20.0	5.6	20.0
Acenaphthene	Ave	0.9747	0.9304		9.54	10.0	-4.6	20.0
4-Nitrophenol	Ave	0.2117	0.2243		10.6	10.0	6.0	20.0
2,4-Dinitrotoluene	Ave	0.3091	0.3484		11.3	10.0	12.7	20.0
Dibenzofuran	Ave	1.481	1.409		9.52	10.0	-4.8	20.0
Diethyl phthalate	Ave	1.070	1.050		9.82	10.0	-1.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5777	0.5623		9.73	10.0	-2.7	20.0
4-Nitroaniline	Ave	0.2912	0.3261		11.2	10.0	12.0	20.0
Fluorene	Ave	1.184	1.150		9.71	10.0	-2.9	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1429		9.58	10.0	-4.2	20.0
N-Nitrosodiphenylamine	Ave	0.5865	0.5980		10.2	10.0	2.0	20.0
1,2-Diphenylhydrazine	Ave	0.7912	0.7970		10.1	10.0	0.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2070	0.2052		9.91	10.0	-0.9	20.0
Hexachlorobenzene	Ave	0.2151	0.2022		9.40	10.0	-6.0	20.0
Pentachlorophenol	Ave	0.1418	0.1605		22.6	20.0	13.2	20.0
Phenanthrene	Ave	1.070	1.023		9.56	10.0	-4.4	20.0
Anthracene	Ave	1.004	1.047		10.4	10.0	4.3	20.0
Carbazole	Ave	1.001	0.9899		9.89	10.0	-1.1	20.0
Di-n-butyl phthalate	Ave	1.146	1.136		9.92	10.0	-0.8	20.0
Fluoranthene	Ave	1.131	1.147		10.1	10.0	1.4	20.0
Benzidine	Ave	0.4452	0.5206		11.7	10.0	16.9	20.0
Pyrene	Ave	1.070	1.055		9.86	10.0	-1.4	20.0
Butyl benzyl phthalate	Ave	0.3798	0.4142		10.9	10.0	9.1	20.0
3,3'-Dichlorobenzidine	Ave	0.3885	0.4234		10.9	10.0	9.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5408	0.5923		11.0	10.0	9.5	20.0
Benzo[a]anthracene	Ave	0.9641	0.9768		10.1	10.0	1.3	20.0
Chrysene	Ave	0.9059	0.8705		9.61	10.0	-3.9	20.0
Di-n-octyl phthalate	Ave	1.050	1.124		10.7	10.0	7.0	20.0
Benzo[b]fluoranthene	Ave	1.126	1.160		10.3	10.0	3.0	20.0
Benzo[k]fluoranthene	Ave	1.199	1.220		10.2	10.0	1.7	20.0
Benzo[a]pyrene	Ave	1.011	1.121		11.1	10.0	10.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.137	1.182		10.4	10.0	4.0	20.0
Dibenz(a,h)anthracene	Ave	0.9357	0.9749		10.4	10.0	4.2	20.0
Benzo[g,h,i]perylene	Ave	0.9766	0.995		10.2	10.0	1.9	20.0
2-Fluorophenol	Ave	1.588	1.592		10.0	10.0	0.3	20.0
Phenol-d5	Ave	2.101	2.123		10.1	10.0	1.0	20.0
Nitrobenzene-d5	Ave	0.3566	0.3649		10.2	10.0	2.3	20.0
2-Fluorobiphenyl (Surr)	Ave	1.250	1.181		9.44	10.0	-5.6	20.0
2,4,6-Tribromophenol	Ave	0.1777	0.1927		10.8	10.0	8.4	20.0
Terphenyl-d14	Ave	0.6653	0.6368		9.57	10.0	-4.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 240-79448/21 Calibration Date: 03/26/2013 17:27

Instrument ID: A4HP7 Calib Start Date: 03/26/2013 14:16

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/26/2013 17:03

Lab File ID: 30326021.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiethylamine	Ave	0.5764	0.5953		10.3	10.0	3.3	20.0
N-Nitrosopyrrolidine	Ave	0.5002	0.5124		10.2	10.0	2.4	20.0
2-Toluidine	Ave	1.760	1.705		9.69	10.0	-3.1	20.0
N-Nitrosodi-n-butylamine	Ave	0.1856	0.1907		10.3	10.0	2.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4843	0.4721		9.75	10.0	-2.5	20.0
Pentachlorobenzene	Ave	0.4141	0.4091		9.88	10.0	-1.2	20.0
Tributyl phosphate	Lin1		1.435		9.47	10.0	-5.3	20.0
Pentachloronitrobenzene	Ave	0.0710	0.0780		11.0	10.0	9.8	20.0

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63142.d
Report Date: 20-Mar-2013 20:06

TestAmerica

Data file : /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63142.d
Lab Smp Id: DFTPP-1896725
Inj Date : 20-MAR-2013 19:35
Operator : BNAMS3 Inst ID: BNAMS6.i
Smp Info : DFTPP-1896725
Misc Info : 25ng/uL DFTPP STD 4725
Comment :
Method : /chem/BNAMS6.i/625/03-20-13/20mar13.b/BNADFTPP.m
Meth Date : 20-Mar-2013 20:06 wahied Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

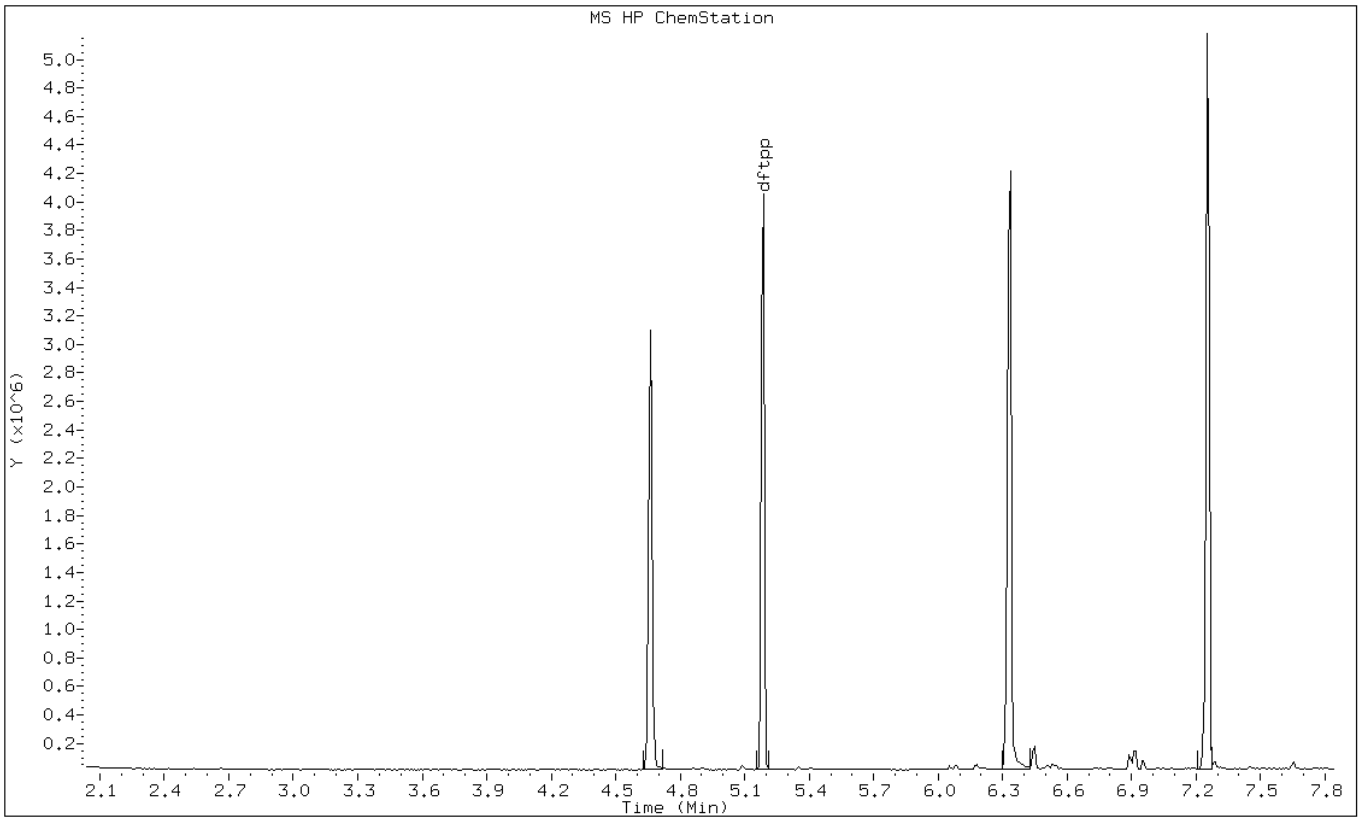
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.187	5.100	0.087	198	282866			0.00- 100.00	100.00
5.187	5.100	0.087	51	150770			30.00- 60.00	53.30
5.187	5.100	0.087	68	500			0.00- 2.00	0.24
5.187	5.100	0.087	69	211349			0.00- 0.00	74.72
5.187	5.100	0.087	70	0			0.00- 2.00	0.00
5.187	5.100	0.087	127	153320			40.00- 60.00	54.20
5.187	5.100	0.087	197	0			0.00- 1.00	0.00
5.187	5.100	0.087	199	19600			5.00- 9.00	6.93
5.187	5.100	0.087	275	55133			10.00- 30.00	19.49
5.187	5.100	0.087	365	7971			1.00- 0.00	2.82
5.187	5.100	0.087	441	33490			0.01- 100.00	80.24
5.187	5.100	0.087	442	212173			40.00- 110.00	75.01
5.187	5.100	0.087	443	41736			17.00- 23.00	19.67

Data File: m63142.d

Date: 20-MAR-2013 19:35

Client ID: Instrument: BNAMS6.i

Sample Info: DFTPP-1896725 Operator: BNAMS3



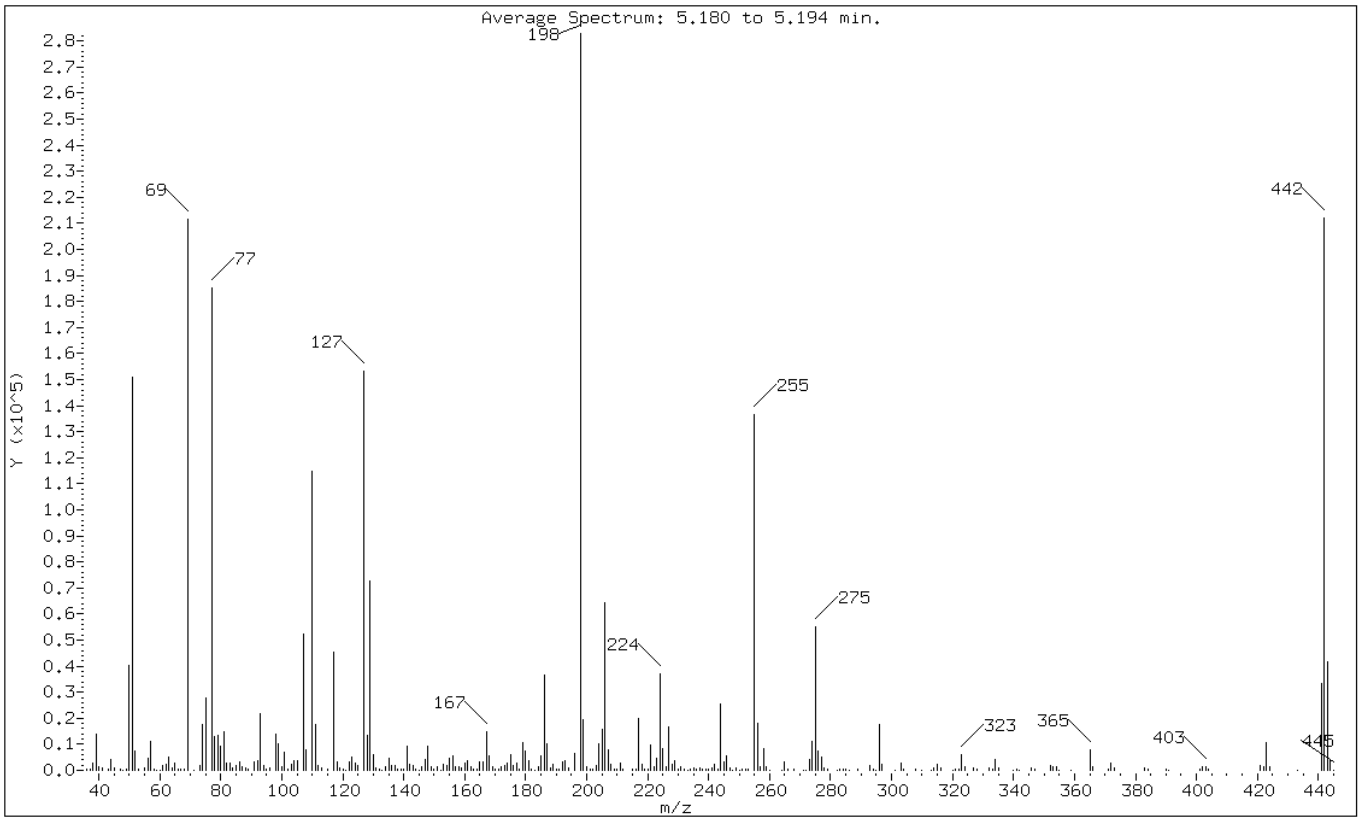
Data File: m63142.d

Date: 20-MAR-2013 19:35

Client ID: Instrument: BNAMS6.i

Sample Info: DFTPP-1896725 Operator: BNAMS3

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	53.30
68	Less than 2.00% of mass 69	0.18 (0.24)
69	Mass 69 relative abundance	74.72
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.20
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.93
275	10.00 - 30.00% of mass 198	19.49
365	Greater than 1.00% of mass 198	2.82
441	0.01 - 100.00% of mass 443	11.84 (80.24)
442	40.00 - 110.00% of mass 198	75.01
443	17.00 - 23.00% of mass 442	14.75 (19.67)

Data File: m63142.d

Date: 20-MAR-2013 19:35

Client ID: Instrument: BNAMS6.i

Sample Info: DFTPP-1896725 Operator: BNAMS3

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63142.d
Spectrum: Average Spectrum: 5.180 to 5.194 min.
Location of Maximum: 198.00
Number of points: 284

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	427	120.00	543	193.00	3484	276.00	7438
37.00	339	121.00	207	194.00	737	277.00	5053
38.00	2990	122.00	3471	196.00	6674	278.00	714
39.00	13713	123.00	5181	198.00	282816	279.00	361
40.00	1616	124.00	2884	199.00	19600	282.00	100
41.00	735	125.00	1846	200.00	1444	283.00	405
43.00	306	127.00	153280	201.00	632	284.00	399
44.00	4035	128.00	13273	202.00	493	285.00	648
45.00	747	129.00	72760	203.00	2058	286.00	154
47.00	484	130.00	6073	204.00	10276	289.00	426
48.00	127	131.00	859	205.00	15668	293.00	1624
49.00	611	132.00	509	206.00	64136	294.00	239
50.00	40440	133.00	231	207.00	7752	295.00	126
51.00	150720	134.00	1400	208.00	2349	296.00	17480
52.00	7440	135.00	4852	209.00	663	297.00	2226
53.00	391	136.00	1908	210.00	314	301.00	169
55.00	1004	137.00	1849	211.00	2718	303.00	2562
56.00	4773	138.00	284	212.00	370	304.00	457
57.00	11177	139.00	322	215.00	271	308.00	252
58.00	405	140.00	351	216.00	689	310.00	129
59.00	105	141.00	9074	217.00	19960	313.00	137
60.00	159	142.00	2411	218.00	2277	314.00	1131
61.00	1867	143.00	1936	219.00	266	315.00	2206
62.00	2182	144.00	432	220.00	261	316.00	881
63.00	5216	145.00	207	221.00	9754	320.00	118
64.00	887	146.00	1367	222.00	1437	321.00	465
65.00	2891	147.00	4089	223.00	4547	322.00	321
66.00	418	148.00	9199	224.00	36840	323.00	5935
67.00	396	149.00	1575	225.00	8475	324.00	1341
68.00	500	150.00	410	226.00	1438	327.00	1157
69.00	211328	151.00	1542	227.00	16680	328.00	528
71.00	104	152.00	216	228.00	2092	332.00	713
73.00	1734	153.00	2508	229.00	3845	333.00	623
74.00	17544	154.00	1680	230.00	343	334.00	4101
75.00	27840	155.00	4697	231.00	1266	335.00	885
77.00	185088	156.00	5527	232.00	327	340.00	99
78.00	12912	157.00	1389	233.00	203	341.00	464
79.00	13469	158.00	1526	234.00	675	342.00	136
80.00	9074	159.00	905	235.00	809	346.00	1038
81.00	14672	160.00	2607	236.00	574	347.00	251

82.00	2690	161.00	3729	237.00	1031	352.00	1675
83.00	2707	162.00	1235	238.00	246	353.00	1287
84.00	891	163.00	249	239.00	542	354.00	1566
85.00	1717	164.00	384	240.00	310	355.00	133
86.00	3407	165.00	3009	241.00	920	359.00	100
87.00	1570	166.00	3021	242.00	2117	365.00	7971
88.00	958	167.00	14712	243.00	292	366.00	1266
89.00	666	168.00	5717	244.00	25680	371.00	444
91.00	3274	169.00	1165	245.00	3103	372.00	2873
92.00	3786	170.00	522	246.00	5540	373.00	697
93.00	21936	171.00	604	247.00	1081	383.00	805
94.00	1973	172.00	1455	248.00	174	384.00	320
95.00	460	173.00	1846	249.00	942	390.00	541
96.00	918	174.00	2877	250.00	135	391.00	147
98.00	13722	175.00	5790	251.00	501	401.00	242
99.00	10029	176.00	1710	252.00	592	402.00	1213
100.00	1200	177.00	2665	253.00	647	403.00	1528
101.00	6944	178.00	469	255.00	136512	404.00	692
102.00	392	179.00	10812	256.00	18104	421.00	1691
103.00	2332	180.00	7632	257.00	1366	422.00	1284
104.00	3855	181.00	3907	258.00	8349	423.00	10460
105.00	3794	182.00	305	259.00	1320	424.00	1387
107.00	52376	183.00	112	260.00	148	433.00	100
108.00	7814	184.00	1271	264.00	198	441.00	33488
110.00	114832	185.00	5689	265.00	3322	442.00	212160
111.00	17784	186.00	36616	266.00	514	443.00	41736
112.00	2059	187.00	10089	268.00	246	444.00	3727
113.00	762	188.00	763	271.00	135	445.00	170
115.00	348	189.00	2480	272.00	192		
117.00	45576	190.00	531	273.00	4137		
118.00	3237	191.00	651	274.00	11152		
119.00	780	192.00	3241	275.00	55128		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	26-Mar-2013 09:31:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0018258-001		
Misc. Info.:	DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	79448	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\8270_hp7.m		
Last Update:	27-Mar-2013 08:37:36	Calib Date:	26-Mar-2013 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326020.D		
Limit Group:	MSS 625 ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK014		

First Level Reviewer: gruberj Date: 26-Mar-2013 09:49:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.648	9.648	0.0	87	896633	0	
148 DFTPP								
158 Benzidine	184	10.964	10.964	0.0	99	4804982	0	
164 4,4'-DDE	246	11.135	11.135	0.0	46	3595	0	
163 4,4'-DDD	235	11.477	11.477	0.0	95	80813	0	
168 4,4'-DDT	235	11.809	11.809	0.0	98	1943916	0	

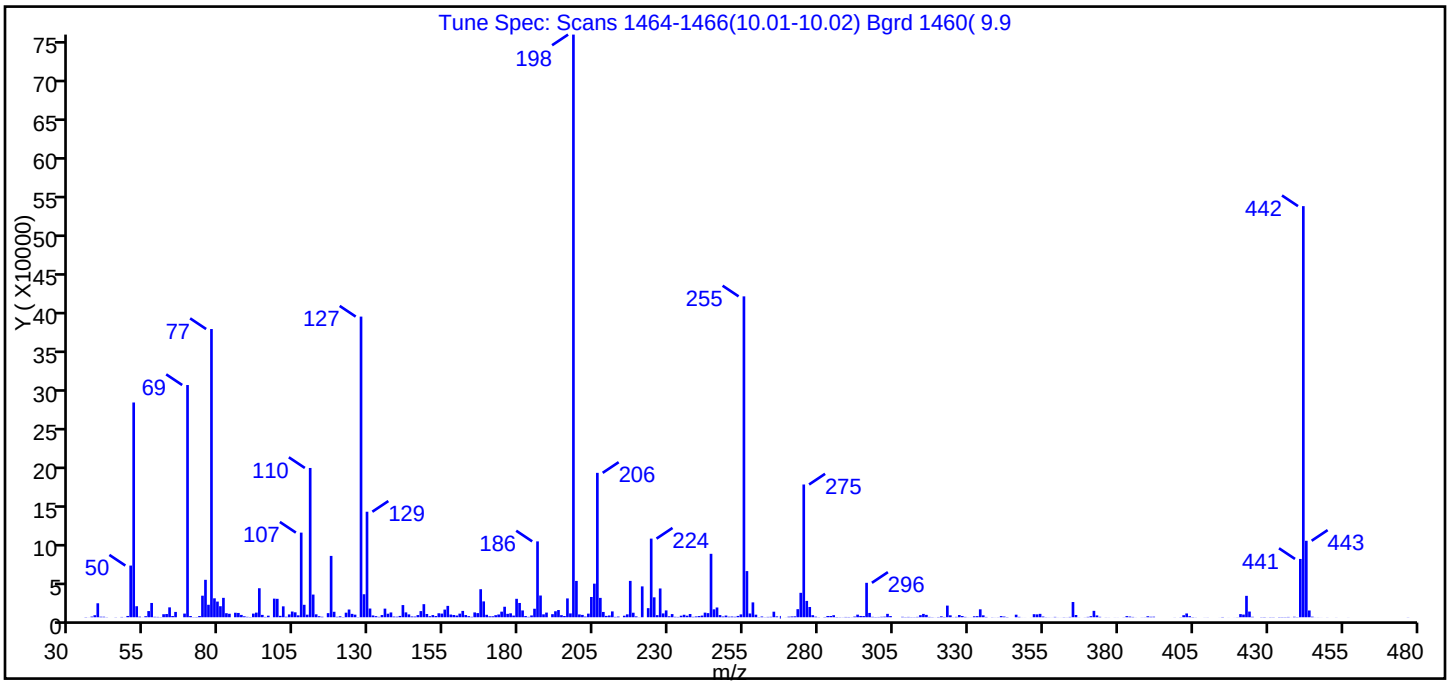
Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D		
Injection Date:	26-Mar-2013 09:31:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	36.86
68	Less than 2.00% of mass 69	0.63 (1.57)
69	Present	39.86
70	Less than 2.00% of mass 69	0.21 (0.53)
127	25.00 - 75.00% of mass 198	51.60
197	Less than 1.00% of mass 198	0.66
199	5.00 - 9.00% of mass 198	6.24
275	10.00 - 30.00% of mass 198	22.79
365	Greater than 0.75% of mass 198	2.62
441	Present, but less than mass 443%	10.01 (76.23)
442	40.00 - 110.00% of mass 198	70.56
443	15.00 - 24.00% of mass 442	13.13 (18.61)

Data File: \\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D\8270_hp7.rslt\spectra.d
Injection Date: 26-Mar-2013 09:31:30
Spectrum: Tune Spec: Scans 1464-1466(10.01-10.02) Bgrd 1460(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	287	137.00	6242	234.00	2006	333.00	1419
36.00	67	138.00	889	235.00	3236	334.00	10308
37.00	887	139.00	712	236.00	2030	335.00	2489
38.00	2634	140.00	1727	237.00	4201	336.00	420
39.00	18152	141.00	15798	238.00	540	338.00	192
40.00	695	142.00	6331	239.00	1052	339.00	93
41.00	672	143.00	3697	240.00	1564	340.00	149
42.00	204	144.00	1030	241.00	2181	341.00	1537
45.00	193	145.00	892	242.00	5975	342.00	922
47.00	403	146.00	2806	243.00	5353	343.00	309
48.00	82	147.00	7987	244.00	82296	346.00	3325
49.00	1688	148.00	16976	245.00	10288	347.00	507
50.00	67048	149.00	4258	246.00	12653	348.00	53
51.00	278592	150.00	1356	247.00	2845	349.00	52
52.00	14302	151.00	2806	248.00	976	351.00	74
53.00	792	152.00	1556	249.00	2232	352.00	3974
54.00	96	153.00	5183	250.00	736	353.00	3745
55.00	1348	154.00	4755	251.00	930	354.00	4399
56.00	8041	155.00	9943	252.00	641	355.00	927
57.00	18544	156.00	14753	253.00	1740	356.00	200
58.00	566	157.00	3503	254.00	3703	357.00	121
59.00	461	158.00	2936	255.00	416256	358.00	62
60.00	271	159.00	2235	256.00	59880	359.00	475
61.00	3922	160.00	4683	257.00	4896	360.00	81
62.00	4178	161.00	8248	258.00	19296	361.00	53
63.00	12841	162.00	2854	259.00	3344	362.00	229
64.00	1611	163.00	1421	260.00	262	363.00	117
65.00	6924	164.00	555	261.00	979	364.00	453
68.00	4736	165.00	6253	262.00	188	365.00	19768
69.00	301248	166.00	5397	263.00	489	366.00	2920
70.00	1597	167.00	36368	264.00	588	367.00	120
71.00	257	168.00	20584	265.00	7224	369.00	131
72.00	355	169.00	3201	266.00	1094	370.00	504

Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D\8270_hp7.rslt\spectra.d
Injection Date: 26-Mar-2013 09:31:30
Spectrum: Tune Spec: Scans 1464-1466(10.01-10.02) Bgrd 1460(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	1620	170.00	1225	267.00	2	371.00	1360
74.00	27960	171.00	1279	268.00	17	372.00	8334
75.00	48576	172.00	2663	269.00	90	373.00	2365
76.00	16196	173.00	3592	270.00	739	374.00	538
77.00	373888	174.00	7284	271.00	1030	376.00	132
78.00	24576	175.00	13633	272.00	1185	377.00	92
79.00	20336	176.00	4443	273.00	10488	379.00	83
80.00	14317	177.00	5129	274.00	31696	380.00	66
81.00	25184	178.00	2176	275.00	172224	382.00	152
82.00	5248	179.00	23936	276.00	21200	383.00	1512
83.00	4511	180.00	18528	277.00	13322	384.00	880
85.00	5848	181.00	8831	278.00	2653	385.00	437
86.00	5592	182.00	1547	279.00	772	386.00	76
87.00	3031	183.00	542	280.00	205	388.00	117
88.00	1240	184.00	2345	282.00	348	389.00	151
89.00	549	185.00	11041	283.00	1654	390.00	1325
90.00	349	186.00	98424	284.00	1640	391.00	639
91.00	4750	187.00	28192	285.00	2656	392.00	736
92.00	6009	188.00	3809	286.00	337	399.00	109
93.00	37640	189.00	6044	287.00	227	401.00	197
94.00	3064	190.00	3	288.00	143	402.00	2647
95.00	455	191.00	3989	289.00	398	403.00	4936
96.00	2060	192.00	7776	290.00	361	404.00	1403
97.00	27	193.00	9364	291.00	176	405.00	309
98.00	24152	194.00	2706	292.00	894	406.00	130
99.00	23912	195.00	1628	293.00	3377	409.00	79
100.00	1838	196.00	24448	294.00	1702	410.00	119
101.00	14166	197.00	4999	295.00	1555	414.00	50
102.00	666	198.00	755840	296.00	44680	415.00	344
103.00	3675	199.00	47136	297.00	5606	417.00	55
104.00	7434	200.00	3663	298.00	557	419.00	54
105.00	6408	201.00	3035	299.00	330	420.00	169
106.00	2487	202.00	882	300.00	384	421.00	4072
107.00	109800	203.00	4686	301.00	613	422.00	3494

Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D\8270_hp7.rslt\spectra.d
Injection Date: 26-Mar-2013 09:31:30
Spectrum: Tune Spec: Scans 1464-1466(10.01-10.02) Bgrd 1460(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	16162	204.00	26288	302.00	779	423.00	27776
109.00	3353	205.00	43584	303.00	4425	424.00	7404
110.00	193664	206.00	187328	304.00	1521	425.00	592
111.00	29424	207.00	25136	308.00	567	428.00	239
112.00	3805	208.00	6885	309.00	285	429.00	317
113.00	1350	209.00	1771	310.00	451	430.00	50
114.00	673	210.00	2295	311.00	264	431.00	251
116.00	5330	211.00	7594	312.00	252	432.00	236
117.00	79584	212.00	478	313.00	489	434.00	310
118.00	7113	213.00	883	314.00	2725	435.00	300
119.00	610	215.00	1967	315.00	4357	436.00	283
120.00	1271	216.00	3757	316.00	3102	437.00	416
121.00	295	217.00	47168	317.00	458	438.00	53
122.00	5922	218.00	5872	318.00	251	439.00	641
123.00	10029	219.00	1097	319.00	69	440.00	249
124.00	4389	220.00	157	320.00	356	441.00	75640
125.00	3377	221.00	40040	321.00	1170	442.00	533312
126.00	269	223.00	11809	322.00	382	443.00	99224
127.00	390016	224.00	102024	323.00	15128	444.00	8806
128.00	29848	225.00	25856	324.00	2489	445.00	759
129.00	136896	226.00	2743	325.00	171	446.00	66
130.00	11313	227.00	37344	326.00	501	447.00	98
131.00	2321	228.00	4994	327.00	2928	448.00	52
132.00	1430	229.00	8888	328.00	1574	450.00	102
133.00	553	230.00	1249	329.00	481	453.00	89
134.00	2838	231.00	4118	330.00	109	457.00	63
135.00	11192	232.00	571	331.00	100	477.00	142
136.00	4574	233.00	425	332.00	1247		

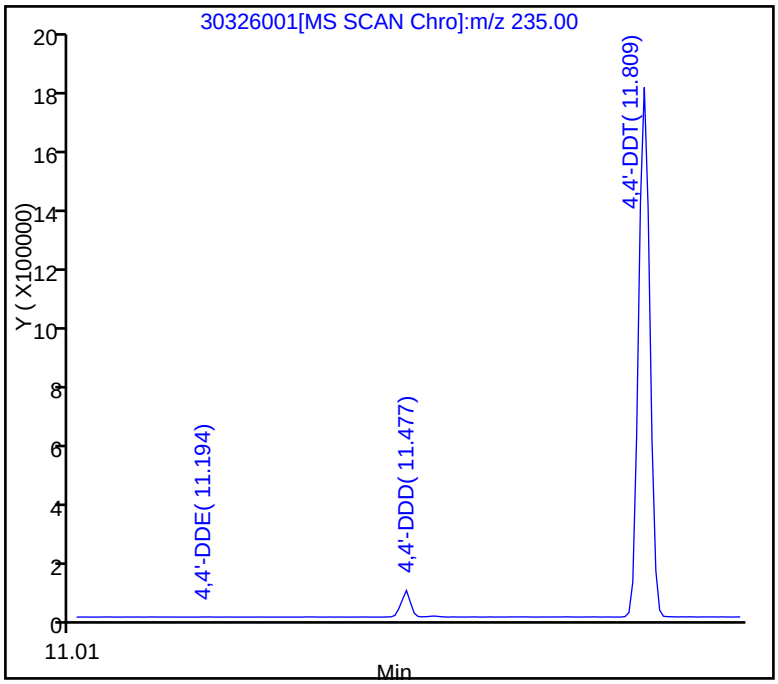
Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D		
Injection Date:	26-Mar-2013 09:31:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 1943916
163 4,4'-DDD, Area = 80813
164 4,4'-DDE, Area = 3595

%Breakdown: 4.16%, Max Limit: 20.00%
Passed

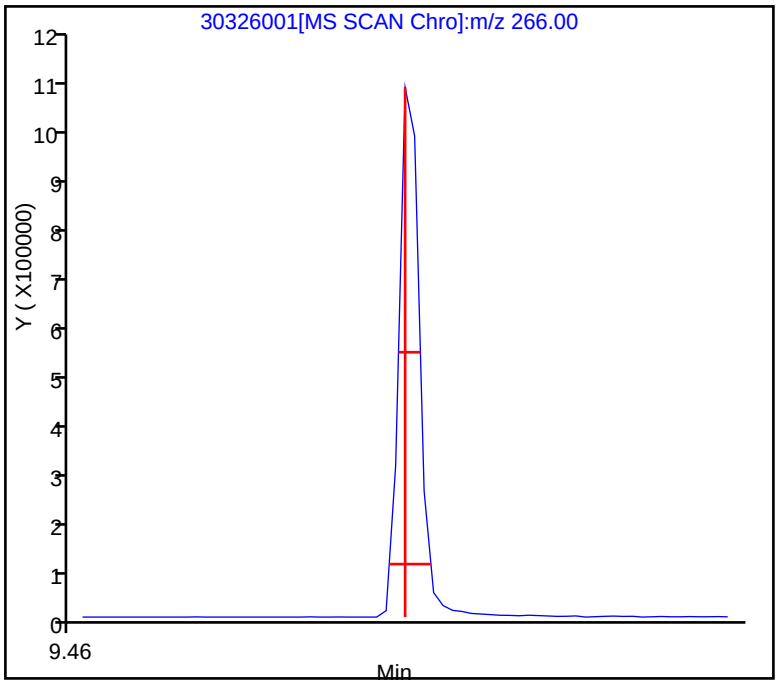
Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D		
Injection Date:	26-Mar-2013 09:31:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.6, Max. Tailing < 5.00
Passed

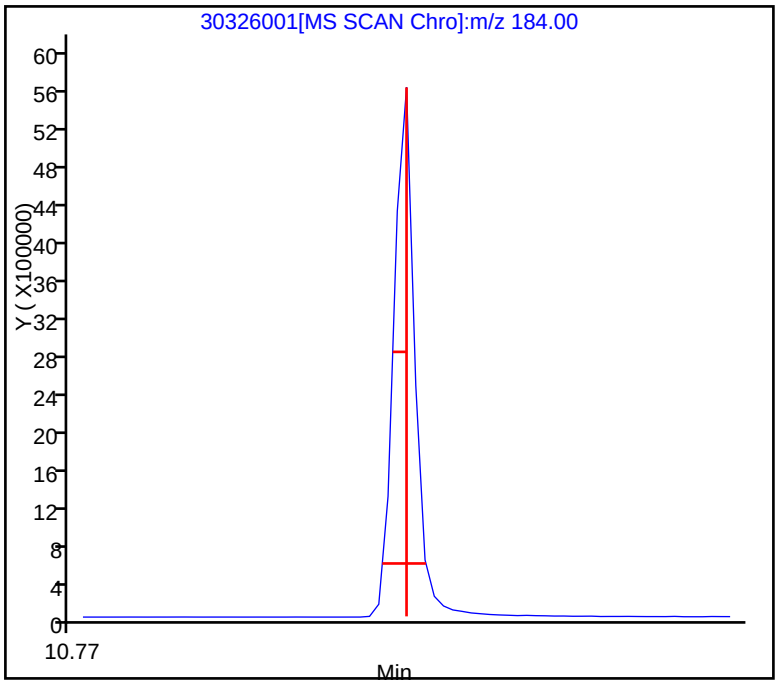
Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D		
Injection Date:	26-Mar-2013 09:31:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-152013/1-A
Matrix: Water
Lab File ID: m63165.d
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/21/2013 07:15
Sample wt/vol: 1000(mL)
Date Analyzed: 03/21/2013 08:23
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 152058
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	ND		1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	47		10-65
4165-62-2	Phenol-d5	31		10-48
4165-60-0	Nitrobenzene-d5	91		56-112
321-60-8	2-Fluorobiphenyl	82		53-108
118-79-6	2,4,6-Tribromophenol	80		46-122
1718-51-0	Terphenyl-d14	99		50-122

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63165.d
Report Date: 21-Mar-2013 13:55

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63165.d
Lab Smp Id: MB 460-152013/1-A
Inj Date : 21-MAR-2013 08:23
Operator : BNAMS 1 Inst ID: BNAMS6.i
Smp Info : MB 460-152013/1-A
Misc Info : MB 460-152013/1-A
Comment :
Method : /chem/BNAMS6.i/625/03-20-13/20mar13.b/625BNA_11.m
Meth Date : 21-Mar-2013 07:53 croccom Quant Type: ISTD
Cal Date : 20-MAR-2013 22:50 Cal File: m63147.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

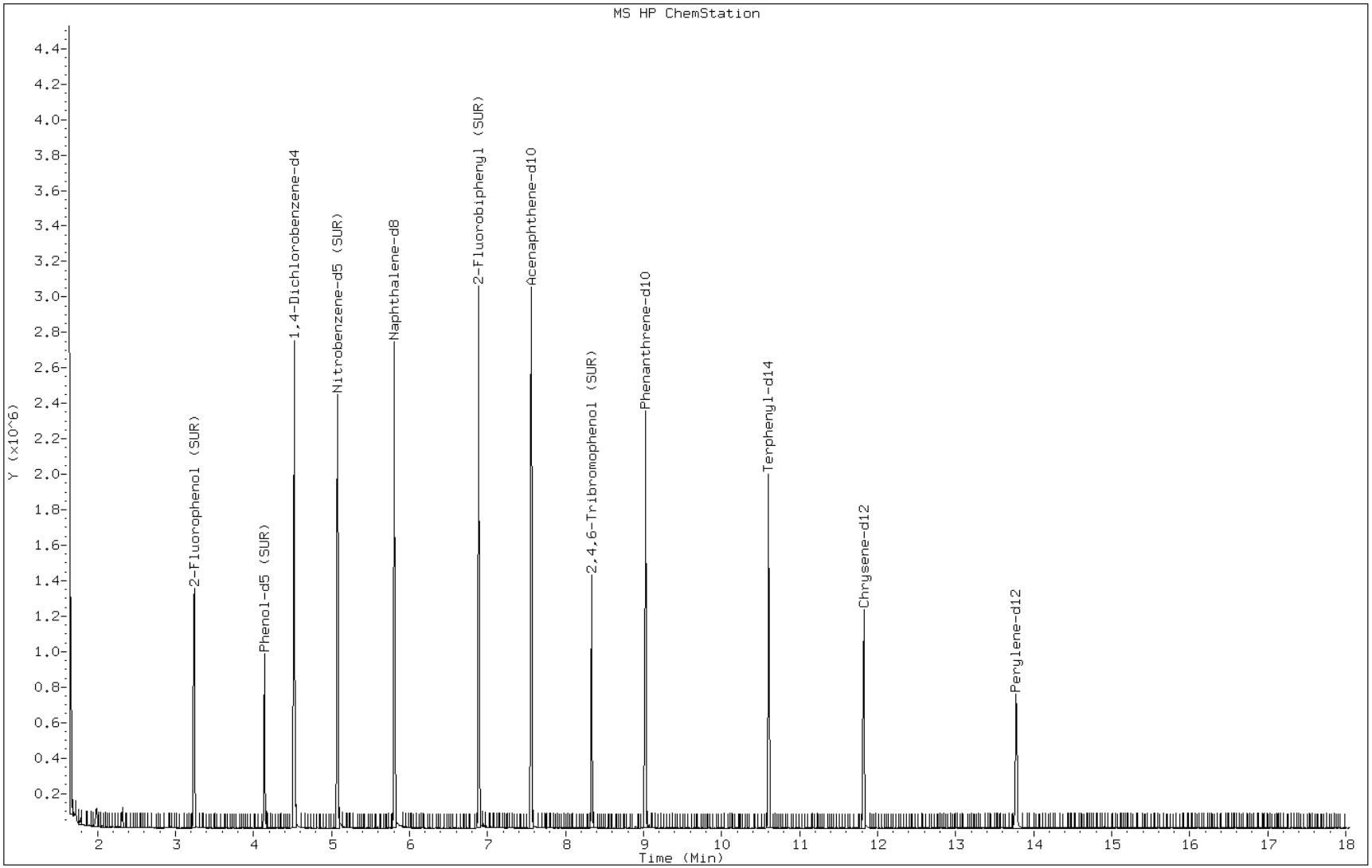
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.242	3.234	(0.717)	434544	23.7439	47.5
$ 17 Phenol-d5 (SUR)	99	4.142	4.138	(0.916)	287678	15.3377	30.7
* 79 1,4-Dichlorobenzene-d4	152	4.522	4.526	(1.000)	372830	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.078	5.070	(0.874)	919779	45.6432	91.3
* 80 Naphthalene-d8	136	5.808	5.805	(1.000)	1170146	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.892	6.885	(0.911)	865510	41.0458	82.1
* 82 Acenaphthene-d10	164	7.562	7.559	(1.000)	687149	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.334	8.336	(1.102)	127270	40.2242	80.4
* 83 Phenanthrene-d10	188	9.026	9.029	(1.000)	808390	40.0000	
$ 78 Terphenyl-d14	244	10.604	10.599	(0.897)	563681	49.4765	99.0
* 81 Chrysene-d12	240	11.824	11.826	(1.000)	472650	40.0000	
* 84 Perylene-d12	264	13.776	13.782	(1.000)	387313	40.0000	

Data File: m63165.d

Date: 21-MAR-2013 08:23

Client ID: Instrument: BNAMS6.i

Sample Info: MB 460-152013/1-A Operator: BNAMS 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 460-52642-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-79226/2-A

Matrix: Water | Lab File ID: 30326022.D

Analysis Method: 625 | Date Collected:

Extract. Method: 625 | Date Extracted: 03/23/2013 11:09

Sample wt/vol: 1000(mL) | Date Analyzed: 03/26/2013 17:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 79448 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		10	0.28
95-50-1	1,2-Dichlorobenzene	ND		10	0.29
541-73-1	1,3-Dichlorobenzene	ND		10	0.80
106-46-7	1,4-Dichlorobenzene	ND		10	0.34
88-06-2	2,4,6-Trichlorophenol	ND		10	0.80
120-83-2	2,4-Dichlorophenol	ND		10	0.80
105-67-9	2,4-Dimethylphenol	ND		10	0.80
51-28-5	2,4-Dinitrophenol	ND		50	2.4
121-14-2	2,4-Dinitrotoluene	ND		10	0.27
606-20-2	2,6-Dinitrotoluene	ND		10	0.80
91-58-7	2-Chloronaphthalene	ND		10	0.10
95-57-8	2-Chlorophenol	ND		10	0.29
88-75-5	2-Nitrophenol	ND		10	0.28
91-94-1	3,3'-Dichlorobenzidine	ND		10	0.37
534-52-1	4,6-Dinitro-2-methylphenol	ND		50	2.4
101-55-3	4-Bromophenyl phenyl ether	ND		10	0.80
7005-72-3	4-Chlorophenyl phenyl ether	ND		10	0.30
100-02-7	4-Nitrophenol	ND		50	2.4
83-32-9	Acenaphthene	ND		10	0.10
208-96-8	Acenaphthylene	ND		10	0.10
120-12-7	Anthracene	ND		10	0.10
92-87-5	Benzidine	ND		100	2.4
56-55-3	Benzo[a]anthracene	ND		10	0.10
50-32-8	Benzo[a]pyrene	ND		10	0.10
205-99-2	Benzo[b]fluoranthene	ND		10	0.10
191-24-2	Benzo[g,h,i]perylene	ND		10	0.10
207-08-9	Benzo[k]fluoranthene	ND		10	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		10	0.32
111-44-4	Bis(2-chloroethyl)ether	ND		10	0.10
117-81-7	Bis(2-ethylhexyl) phthalate	ND		10	0.80
108-60-1	2,2'-oxybis[1-chloropropane]	ND		10	0.40
85-68-7	Butyl benzyl phthalate	ND		10	0.80
218-01-9	Chrysene	ND		10	0.10
53-70-3	Dibenz(a,h)anthracene	ND		10	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 460-52642-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-79226/2-A

Matrix: Water | Lab File ID: 30326022.D

Analysis Method: 625 | Date Collected:

Extract. Method: 625 | Date Extracted: 03/23/2013 11:09

Sample wt/vol: 1000(mL) | Date Analyzed: 03/26/2013 17:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 79448 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		10	0.60
131-11-3	Dimethyl phthalate	ND		10	0.29
84-74-2	Di-n-butyl phthalate	ND		10	0.67
117-84-0	Di-n-octyl phthalate	ND		10	0.80
206-44-0	Fluoranthene	ND		10	0.10
86-73-7	Fluorene	ND		10	0.10
118-74-1	Hexachlorobenzene	ND		10	0.10
87-68-3	Hexachlorobutadiene	ND		10	0.27
77-47-4	Hexachlorocyclopentadiene	ND		10	0.80
67-72-1	Hexachloroethane	ND		10	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	ND		10	0.10
78-59-1	Isophorone	ND		10	0.27
91-20-3	Naphthalene	ND		10	0.10
98-95-3	Nitrobenzene	ND		10	0.040
62-75-9	N-Nitrosodimethylamine	ND		10	0.31
621-64-7	N-Nitrosodi-n-propylamine	ND		10	0.80
86-30-6	N-Nitrosodiphenylamine	ND		10	0.31
59-50-7	4-Chloro-3-methylphenol	ND		10	0.80
87-86-5	Pentachlorophenol	ND		10	2.4
85-01-8	Phenanthrene	ND		10	0.10
108-95-2	Phenol	ND		10	0.60
129-00-0	Pyrene	ND		10	0.10
95-95-4	2,4,5-Trichlorophenol	ND		10	0.30
55-18-5	N-Nitrosodiethylamine	ND		10	0.76
608-93-5	Pentachlorobenzene	ND		10	0.71
930-55-2	N-Nitrosopyrrolidine	ND		10	0.74
122-66-7	1,2-Diphenylhydrazine	ND		10	0.29
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		10	0.55
924-16-3	N-Nitrosodi-n-butylamine	ND		10	0.81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 460-52642-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-79226/2-A

Matrix: Water | Lab File ID: 30326022.D

Analysis Method: 625 | Date Collected:

Extract. Method: 625 | Date Extracted: 03/23/2013 11:09

Sample wt/vol: 1000(mL) | Date Analyzed: 03/26/2013 17:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 79448 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	52		10-135
118-79-6	2,4,6-Tribromophenol	73		10-142
4165-60-0	Nitrobenzene-d5	91		44-110
4165-62-2	Phenol-d5	34		10-132
1718-51-0	Terphenyl-d14	108		24-135
321-60-8	2-Fluorobiphenyl (Surr)	88		38-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326022.D		
Lims ID:	MB 240-79226/2-A	Client ID:	
Inject. Date:	26-Mar-2013 17:50:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0018258-022		
Misc. Info.:	MB 240-79226/2-A		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	79448	Lims Sample ID:	22
Detector:	MS SCAN		

Method:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\8270_hp7.m		
Last Update:	27-Mar-2013 12:57:18	Calib Date:	26-Mar-2013 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326020.D		
Limit Group:	MSS 625 ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK014		

First Level Reviewer: gruberj Date: 27-Mar-2013 08:26:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.915	5.915	0.0	96	217082	4.00	
* 2 Naphthalene-d8	136	7.043	7.043	0.0	100	852042	4.00	
* 3 Acenaphthene-d10	164	8.552	8.557	-0.005	92	488650	4.00	
* 4 Phenanthrene-d10	188	9.819	9.825	-0.006	98	808255	4.00	
* 5 Chrysene-d12	240	12.403	12.403	0.0	97	871777	4.00	
* 6 Perylene-d12	264	14.494	14.494	0.0	97	662347	4.00	
$ 7 2-Fluorophenol	112	4.631	4.631	0.0	92	673216	7.81	
$ 8 Phenol-d5	99	5.546	5.546	0.0	94	579089	5.08	
$ 9 Nitrobenzene-d5	82	6.407	6.407	0.0	88	689884	9.08	
$ 10 2-Fluorobiphenyl (Surr)	172	7.963	7.963	0.0	99	1347317	8.82	
$ 11 2,4,6-Tribromophenol	330	9.220	9.226	-0.006	91	236140	10.9	
$ 12 Terphenyl-d14	244	11.194	11.194	0.0	99	1568630	10.8	
244 n-Decane	57		0.000					
241 Tricresyl phosphate TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
246 Total Cresols	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
15 Catechol	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
247 1-Chloronaphthalene	162		0.000					
248 Hexadecane	57		0.000					
21 Octachlorostyrene	1		0.000					
22 3-Methylcatechol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
23 Octachlorocyclopentene	1		0.000					
20 2,5-Dichlorophenol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
245 n-Octadecane	57		0.000					
238 Trimethyl phosphate TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Dimethylformamide	73		2.056					
24 1,4-Dioxane	88		2.353					9
25 N-Nitrosodimethylamine	74		2.813					
26 Pyridine	79		2.866					
232 1-Methyl-2-pyrrilidinone	99	3.513	3.533	-0.020	0	286	0	
27 Ethyl methacrylate	69		3.561					
28 3-Chloropropionitrile	54		3.952					
30 2-Picoline	93		3.968					9
31 N-Nitrosomethylethylamine	88		4.112					
32 Malononitrile	66		4.310					
33 Acrylamide	71	4.299	4.312	-0.013	1	467	0	
34 Methyl methanesulfonate	80		4.460					
29 3-Picoline	93		4.519					
233 n,n'-Dimethylacetamide	44	4.551	4.546	0.005	0	593	0	
35 N-Nitrosodiethylamine	102		4.883					
36 Ethyl methanesulfonate	79		5.182					
37 2-Methylcyclohexanone	68	5.412	5.396	0.016	4	605	0	
38 3-Methylcyclohexanone	69	5.433	5.434	-0.001	1	239	0	
42 Phenylmercaptan	110		5.440					
39 4-Methylcyclohexanone	55	5.482	5.482	0.0	29	5492	0	
40 Benzaldehyde	77	5.508	5.508	0.0	50	1572	0	
41 Phenol	94		5.562					9
43 Aniline	93		5.605					9
45 Pentachloroethane	167		5.658					
44 Bis(2-chloroethyl)ether	93		5.663					9
46 2-Chlorophenol	128		5.717					9
47 1,3-Dichlorobenzene	146		5.861					
48 1,4-Dichlorobenzene	146		5.931					
49 Benzyl alcohol	108		6.027					9
53 Indene	115		6.034					9
50 1,2-Dichlorobenzene	146		6.070					
51 2-Methylphenol	108		6.118					9
52 2,2'-oxybis[1-chloropropane]	45		6.150					9
55 N-Nitrosopyrrolidine	100		6.247					
191 3 & 4 Methylphenol	108		6.252					
56 N-Nitrosodi-n-propylamine	70		6.268					9
57 Acetophenone	105	6.273	6.268	0.005	85	4679	0	
58 N-Nitrosomorpholine	56		6.279					
59 2-Toluidine	106		6.300					
60 Hexachloroethane	117		6.375					
61 Nitrobenzene	77		6.423					
62 N-Nitrosopiperidine	114		6.557					
63 Isophorone	82		6.632					9
65 2-Nitrophenol	139		6.706					
66 1,3,5-Trichlorobenzene	180		6.717					
64 2,4-Dimethylphenol	107		6.722					
69 Benzoic acid	122		6.792					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
67 o,o',o''-Triethylphosphorothioat	198		6.781					
68 Bis(2-chloroethoxy)methane	93		6.813					
71 2,4-Dichlorophenol	162		6.910					
70 alpha,alpha-Dimethyl phenethylam	58		6.942					9
72 1,2,4-Trichlorobenzene	180		6.990					
73 Naphthalene	128		7.065					9
74 4-Chloroaniline	127		7.097					
75 2,6-Dichlorophenol	162		7.108					
76 Hexachloropropene	213		7.140					9
79 Benzothiazole	135		7.163					
77 Hexachlorobutadiene	225		7.166					
78 1,2,3-Trichlorobenzene	180		7.188					
80 Quinoline	129		7.227					
81 N-Nitrosodi-n-butylamine	84		7.375					
83 Caprolactam	113		7.386					9
82 p-Phenylene diamine	108		7.397					
84 4-Chloro-3-methylphenol	107		7.498					
93 Safrole, Total	162		7.573					
85 2-Methylnaphthalene	142		7.658					9
86 1-Methylnaphthalene	142		7.744					9
88 Hexachlorocyclopentadiene	237		7.792					
87 1,2,3,5-Tetrachlorobenzene	216		7.787					
89 1,2,4,5-Tetrachlorobenzene	216		7.798					
225 Isosafrole Peak 1	162	7.803	7.819	-0.016	1	73	0	
90 2,4,6-Trichlorophenol	196		7.888					
91 2,4,5-Trichlorophenol	196		7.921					
97 3,4-Dichloronitrobenzene	109		7.949					9
99 Phenyl ether	170		8.008					9
227 Isosafrole Peak 2	162	8.081	8.012	0.069	1	716	0	
94 2,4-Toluene diamine	121		8.033					9
96 1,2,3,4 -Tetrachlorobenzene	216		8.044					9
95 1,1'-Biphenyl	154		8.054					9
98 2-Chloronaphthalene	162		8.081					9
100 2-Nitroaniline	65		8.151					
101 1,4-Naphthoquinone	158		8.220					
102 1,4-Dinitrobenzene	168		8.263					
103 Dimethyl phthalate	163		8.295					
104 1,3-Dinitrobenzene	168		8.327					
105 2,6-Dinitrotoluene	165		8.354					
106 1,2-Dinitrobenzene	168		8.402					
107 Acenaphthylene	152		8.434					
108 3-Nitroaniline	138		8.498					
110 Acenaphthene	153		8.584					
109 2,4-Dinitrophenol	184		8.589					
111 4-Nitrophenol	109		8.611					9
113 Pentachlorobenzene	250		8.691					
112 2,4-Dinitrotoluene	165		8.696					
114 Dibenzofuran	168		8.728					
115 2,3,5,6-Tetrachlorophenol	232		8.787					9
116 1-Naphthylamine	143		8.787					9
117 2,3,4,6-Tetrachlorophenol	232		8.819					9
118 2-Naphthylamine	143		8.857					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
119 Diethyl phthalate	149		8.894					
120 Thionazin	97		8.964					9
121 4-Chlorophenyl phenyl ether	204		9.006					
122 N-Nitro-o-toluidine	152		9.012					9
123 4-Nitroaniline	138		9.017					
124 Fluorene	166		9.022					
126 4,6-Dinitro-2-methylphenol	198		9.044					
125 Tributyl phosphate	99		9.060					
128 Diphenylamine	169		9.103					
130 N-Nitrosodiphenylamine	169		9.103					
131 Azobenzene	77		9.145					
129 1,2-Diphenylhydrazine	77		9.145					
132 Sulfotepp	202		9.215					
133 1,3,5-Trinitrobenzene	213		9.295					
135 Phenacetin	108		9.343					
228 Diallate Peak 1	86	9.300	9.343	-0.043	1	720	0	
136 Phorate	121		9.354					9
230 Diallate Peak 2	86		9.418					1
137 4-Bromophenyl phenyl ether	248		9.429					
138 Dimethoate	87		9.493					
139 Hexachlorobenzene	284		9.488					
140 Atrazine	200		9.541					
127 4-Aminobiphenyl	169		9.643					9
141 Pentachlorophenol	266		9.648					
143 Pentachloronitrobenzene	237		9.659					
142 Pronamide	173		9.675					
145 Dinoseb	211		9.787					
144 Disulfoton	88		9.793					
146 Phenanthrene	178		9.841					9
147 Anthracene	178		9.889					9
149 Carbazole	167		10.012					9
150 Methyl parathion	109		10.114					9
152 Diphenylsulfone	125		10.126					
151 Di-n-butyl phthalate	149	10.274	10.279	-0.005	84	31370	0.1355	
153 Ethyl Parathion	97		10.440					9
154 4-Nitroquinoline-1-oxide	190		10.488					
155 Methapyrilene	58		10.536					9
156 Isodrin	66		10.729					
157 Fluoranthene	202		10.857					9
158 Benzidine	184		10.959					
160 Pyrene	202		11.071					9
164 4,4'-DDE	246		11.135					9
226 Aramite Peak 1	185	11.151	11.151	0.0	1	276	0	
229 Aramite Peak 2	185	11.221	11.221	0.0	1	516	0	
161 p-Dimethylamino azobenzene	225		11.328					
162 Chlorobenzilate	139		11.365					
163 4,4'-DDD	235		11.477					9
165 Famphur	218		11.627					
167 3,3'-Dimethylbenzidine	212		11.681					
166 Butyl benzyl phthalate	149		11.686					
168 4,4'-DDT	235		11.809					9
169 2-Acetylaminofluorene	181		11.970					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
174 Hexabromobenzene	232		12.164					
170 3,3'-Dimethoxybenzidine	244		12.296					
172 4,4'-Methylene bis(2-chloroanili	231		12.339					9
173 3,3'-Dichlorobenzidine	252		12.339					
171 Bis(2-ethylhexyl) phthalate	149	12.371	12.376	-0.005	94	30644	0.2600	
175 Benzo[a]anthracene	228		12.392					9
176 Chrysene	228		12.440					9
177 6-Methylchrysene	242		12.752					
178 Di-n-octyl phthalate	149		13.296					9
179 7,12-Dimethylbenz(a)anthracene	256		13.895					
180 Benzo[b]fluoranthene	252		13.911					
181 Benzo[k]fluoranthene	252		13.954					
182 Benzo[a]pyrene	252		14.414					
183 3-Methylcholanthrene	268		14.949					9
184 Dibenz[a,j]acridine	279		15.400					9
185 Dibenz[a,h]acridine	279		15.474					
186 Indeno[1,2,3-cd]pyrene	276		16.168					
187 Dibenz(a,h)anthracene	278		16.200					
188 Benzo[g,h,i]perylene	276		16.623					
S 189 Methyl Phenols,Total	100		0.000					7
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 193 Hydroquinone TIC	110		0.000					1
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	2.898	3.050	-0.152	1	170	0	
T 194 Octadecane (TIC)	254	6.525	6.300	0.225	1	82	0	
T 231 2,3,7,8-TCDD	322		8.700					1
T 197 Hexachlorophene TIC	198		9.000					1
T 237 Tris(2,3-dibromopropyl)phosphate	201		10.600					
T 196 Kepone TIC	272		12.250					1

QC Flag Legend

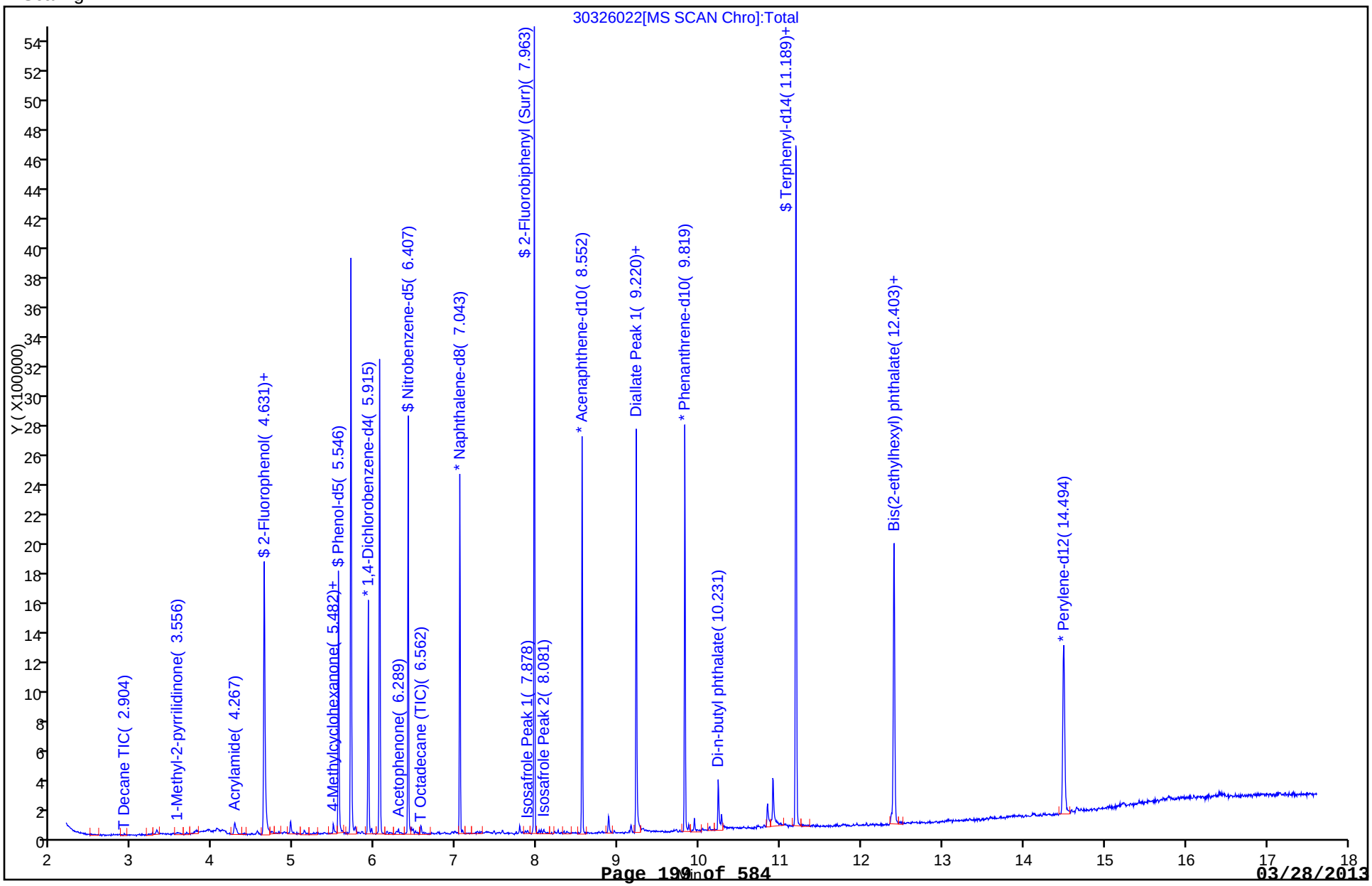
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 27-Mar-2013 12:57:24 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326022.D		
Injection Date:	26-Mar-2013 17:50:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-152013/2-A
Matrix: Water
Lab File ID: m63167.d
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/21/2013 07:15
Sample wt/vol: 1000(mL)
Date Analyzed: 03/21/2013 11:27
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 152058
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	ND		1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	44		10-65
4165-62-2	Phenol-d5	28		10-48
4165-60-0	Nitrobenzene-d5	88		56-112
321-60-8	2-Fluorobiphenyl	88		53-108
118-79-6	2,4,6-Tribromophenol	87		46-122
1718-51-0	Terphenyl-d14	100		50-122

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63167.d
Report Date: 21-Mar-2013 12:20

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63167.d
Lab Smp Id: LCS 460-152013/2-A
Inj Date : 21-MAR-2013 11:27
Operator : BNAMS 1 Inst ID: BNAMS6.i
Smp Info : LCS 460-152013/2-A
Misc Info : LCS 460-152013/2-A
Comment :
Method : /chem/BNAMS6.i/625/03-20-13/20mar13.b/625BNA_11.m
Meth Date : 21-Mar-2013 07:53 croccom Quant Type: ISTD
Cal Date : 20-MAR-2013 22:50 Cal File: m63147.d
Als bottle: 25 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
107 1,4-Dioxane	88	1.815	1.829	(0.401)	169483	25.8299	51.6
19 N-Nitrosodimethylamine	74	2.047	2.053	(0.452)	329903	27.2838	54.6
71 Pyridine	79	2.085	2.098	(0.461)	379430	20.0428	40.1
$ 16 2-Fluorophenol (SUR)	112	3.234	3.234	(0.715)	320076	21.8376	43.7
110 Benzaldehyde	77	4.085	4.078	(0.903)	537828	85.0222	170(R)
$ 17 Phenol-d5 (SUR)	99	4.151	4.138	(0.917)	213867	14.2375	28.5
73 Aniline	93	4.189	4.183	(0.926)	655330	38.5855	77.2
1 Phenol	94	4.159	4.153	(0.919)	254848	15.7847	31.6
20 bis(2-Chloroethyl)ether	93	4.249	4.242	(0.939)	624981	40.2467	80.5
2 2-Chlorophenol	128	4.316	4.310	(0.954)	467038	46.1449	92.3
114 n-Decane	43	4.369	4.370	(0.965)	679824	42.4421	84.9
21 1,3-Dichlorobenzene	146	4.473	4.466	(0.988)	495320	44.5894	89.2
* 79 1,4-Dichlorobenzene-d4	152	4.525	4.526	(1.000)	298591	40.0000	
22 1,4-Dichlorobenzene	146	4.540	4.541	(1.003)	489216	45.8700	91.7
74 Benzyl Alcohol	108	4.660	4.653	(1.030)	312639	36.3124	72.6

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63167.d
Report Date: 21-Mar-2013 12:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	23 1,2-Dichlorobenzene	146	4.698	4.690	(1.038)	474223	45.9492	91.9
	24 bis (2-chloroisopropyl) ether	45	4.795	4.795	(1.060)	1155650	51.2494	102
	3 2-Methylphenol	108	4.773	4.765	(1.055)	426895	37.6007	75.2
	104 Acetophenone	105	4.929	4.921	(1.089)	741090	49.5875	99.2
	25 N-Nitroso-di-n-propylamine	70	4.937	4.921	(1.091)	519468	50.2041	100
	4 4-Methylphenol	108	4.937	4.914	(1.091)	360426	29.5446	59.1
	26 Hexachloroethane	117	5.034	5.032	(1.112)	293135	46.0625	92.1
$	76 Nitrobenzene-d5 (SUR)	82	5.087	5.070	(0.875)	733282	43.9988	88.0
	27 Nitrobenzene	77	5.109	5.091	(0.879)	965991	44.6202	89.2
	106 N,N-Dimethylaniline	120	5.109	5.099	(1.129)	698836	45.2071	90.4
	28 Isophorone	82	5.349	5.335	(0.920)	1219147	40.4152	80.8
	5 2-Nitrophenol	139	5.424	5.418	(0.933)	255557	44.3168	88.6
	6 2,4-Dimethylphenol	122	5.468	5.455	(0.941)	401206	42.5679	85.1
	29 bis(2-Chloroethoxy)methane	93	5.558	5.552	(0.956)	679019	44.8538	89.7
	15 Benzoic Acid	122	5.543	5.529	(0.954)	42677	7.47497	14.9(M)
	7 2,4-Dichlorophenol	162	5.670	5.656	(0.975)	352947	44.1353	88.3
	30 1,2,4-Trichlorobenzene	180	5.753	5.745	(0.990)	378364	42.7854	85.6
*	80 Naphthalene-d8	136	5.813	5.805	(1.000)	967749	40.0000	
	31 Naphthalene	128	5.828	5.827	(1.003)	1117954	42.9243	85.8(M)
	32 4-Chloroaniline	127	5.881	5.871	(1.012)	451229	42.7845	85.6
	33 Hexachlorobutadiene	225	5.963	5.961	(1.026)	218321	42.0839	84.2
	111 Caprolactum	113	6.246	6.199	(1.075)	35160	10.8485	21.7
	8 4-Chloro-3-methylphenol	107	6.373	6.363	(1.096)	430268	41.5041	83.0
	34 2-Methylnaphthalene	142	6.523	6.520	(1.122)	696457	44.1009	88.2
	119 1-Methylnaphthalene	142	6.620	6.616	(1.139)	648240	41.1431	82.3
	35 Hexachlorocyclopentadiene	237	6.696	6.691	(0.885)	170177	37.1789	74.4
	128 1,2,4,5-Tetrachlorobenzene	216	6.696	6.691	(0.885)	300265	41.0056	82.0
	9 2,4,6-Trichlorophenol	196	6.808	6.803	(0.900)	216645	47.9177	95.8
	10 2,4,5-Trichlorophenol	196	6.846	6.833	(0.905)	216153	48.6768	97.4
$	77 2-Fluorobiphenyl (SUR)	172	6.891	6.885	(0.911)	669676	43.9942	88.0
	102 Diphenyl	154	6.996	6.982	(0.925)	824044	45.0132	90.0
	36 2-Chloronaphthalene	162	7.011	7.005	(0.927)	674608	46.7511	93.5
	103 Diphenyl Ether	170	7.093	7.087	(0.938)	441860	46.3628	92.7
	37 2-Nitroaniline	65	7.115	7.102	(0.941)	375723	49.6455	99.3
	38 Dimethylphthalate	163	7.300	7.282	(0.965)	767499	48.4387	96.9
	40 2,6-Dinitrotoluene	165	7.353	7.342	(0.972)	180942	48.0640	96.1
	39 Acenaphthylene	152	7.421	7.417	(0.981)	962805	44.6645	89.3
	41 3-Nitroaniline	138	7.518	7.506	(0.994)	190764	49.0106	98.0
*	82 Acenaphthene-d10	164	7.563	7.559	(1.000)	496040	40.0000	
	42 Acenaphthene	154	7.601	7.589	(1.005)	659221	47.0113	94.0
	11 2,4-Dinitrophenol	184	7.614	7.604	(1.007)	89692	48.2700	96.5
	12 4-Nitrophenol	65	7.682	7.672	(1.016)	53285	13.0494	26.1
	43 Dibenzofuran	168	7.764	7.762	(1.027)	830426	45.6152	91.2
	44 2,4-Dinitrotoluene	165	7.749	7.739	(1.025)	233829	47.6968	95.4
	129 2,3,4,6-Tetrachlorophenol	232	7.892	7.881	(1.043)	153310	44.2702	88.5
	45 Diethylphthalate	149	7.990	7.984	(1.056)	772861	47.2046	94.4
	47 Fluorene	166	8.108	8.097	(1.072)	708619	47.7890	95.6

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63167.d
Report Date: 21-Mar-2013 12:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	46 4-Chlorophenyl-phenylether	204	8.101	8.097	(1.071)	303170	48.4006	96.8
	48 4-Nitroaniline	138	8.131	8.112	(1.075)	180523	47.3673	94.7
	13 4,6-Dinitro-2-methylphenol	198	8.161	8.142	(0.904)	117892	53.8338	108
	49 N-Nitrosodiphenylamine	169	8.221	8.209	(0.911)	463949	53.4618	107
	75 1,2-Diphenylhydrazine	77	8.259	8.247	(0.915)	1061578	42.5356	85.1
$	18 2,4,6-Tribromophenol (SUR)	330	8.348	8.336	(1.104)	99053	43.3674	86.7
	50 4-Bromophenyl-phenylether	248	8.586	8.573	(0.951)	159172	47.9875	96.0
	51 Hexachlorobenzene	284	8.662	8.648	(0.960)	167456	49.5963	99.2
	112 Atrazine	200	8.743	8.730	(0.969)	121126	44.4255	88.8
	14 Pentachlorophenol	266	8.848	8.842	(0.980)	105175	46.3639	92.7
	115 n-Octadecane	57	8.922	8.917	(0.988)	624268	50.9514	102
*	83 Phenanthrene-d10	188	9.026	9.029	(1.000)	542623	40.0000	
	52 Phenanthrene	178	9.054	9.044	(1.003)	819097	51.2459	102
	53 Anthracene	178	9.100	9.097	(1.008)	770651	47.1950	94.4
	54 Carbazole	167	9.256	9.245	(1.026)	731723	50.7425	101
	55 Di-n-butylphthalate	149	9.591	9.587	(1.063)	1087309	48.0391	96.1
	56 Fluoranthene	202	10.224	10.214	(1.133)	669280	50.0896	100
	58 Benzidine	184	10.344	10.340	(1.146)	64479	26.6184	53.2
	57 Pyrene	202	10.455	10.444	(0.883)	669072	48.9862	98.0
$	78 Terphenyl-d14	244	10.605	10.599	(0.896)	447494	49.9931	100
	59 Butylbenzylphthalate	149	11.141	11.134	(0.941)	429156	49.1409	98.3
	60 3,3'-Dichlorobenzidine	252	11.784	11.774	(0.996)	150657	48.0914	96.2
	61 Benzo(a)anthracene	228	11.821	11.804	(0.999)	496624	44.4680	88.9
*	81 Chrysene-d12	240	11.835	11.826	(1.000)	371349	40.0000	
	62 Chrysene	228	11.865	11.849	(1.002)	464440	47.2961	94.6
	63 bis(2-Ethylhexyl)phthalate	149	11.850	11.842	(1.001)	534908	48.1967	96.4
	64 Di-n-octylphthalate	149	12.722	12.713	(0.923)	863629	51.1992	102
	65 Benzo(b)fluoranthene	252	13.248	13.233	(0.961)	380167	43.7331	87.5
	66 Benzo(k)fluoranthene	252	13.293	13.270	(0.964)	402628	46.7483	93.5
	67 Benzo(a)pyrene	252	13.703	13.686	(0.994)	316684	45.9988	92.0
*	84 Perylene-d12	264	13.786	13.782	(1.000)	280836	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.363	15.336	(1.114)	320537	42.8647	85.7(M)
	69 Dibenz(a,h)anthracene	278	15.399	15.373	(1.117)	327436	47.5762	95.2
	70 Benzo(g,h,i)perylene	276	15.815	15.773	(1.147)	336519	45.1863	90.4

QC Flag Legend

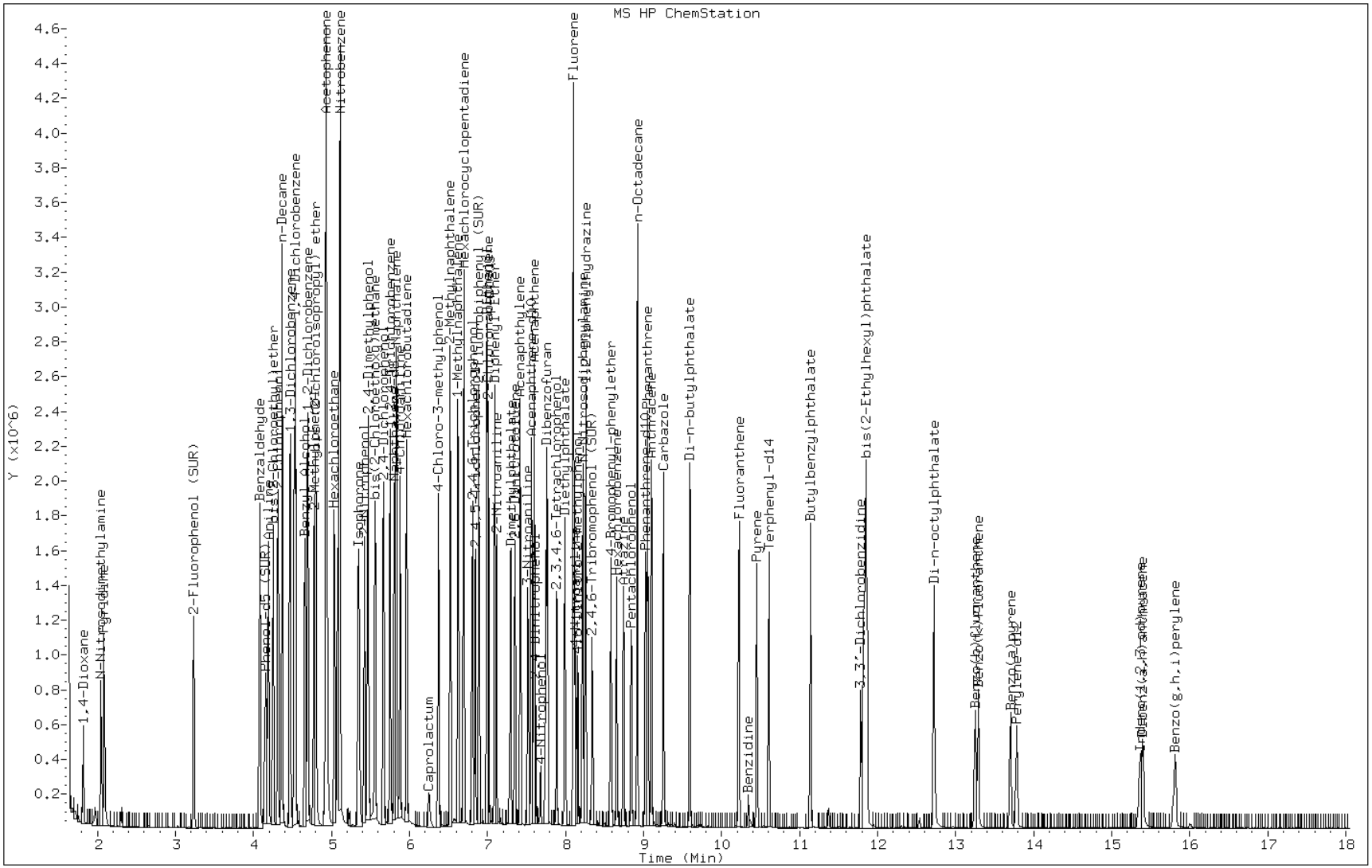
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: m63167.d

Date: 21-MAR-2013 11:27

Client ID: Instrument: BNAMS6.i

Sample Info: LCS 460-152013/2-A Operator: BNAMS 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 460-152013/3-A
Matrix: Water
Lab File ID: m63164.d
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/21/2013 07:15
Sample wt/vol: 1000(mL)
Date Analyzed: 03/21/2013 08:00
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 152058
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	ND		1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	44		10-65
4165-62-2	Phenol-d5	29		10-48
4165-60-0	Nitrobenzene-d5	94		56-112
321-60-8	2-Fluorobiphenyl	89		53-108
118-79-6	2,4,6-Tribromophenol	92		46-122
1718-51-0	Terphenyl-d14	89		50-122

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63164.d
Report Date: 21-Mar-2013 11:38

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63164.d
Lab Smp Id: LCSD 460-152013/3-A
Inj Date : 21-MAR-2013 08:00
Operator : BNAMS 1 Inst ID: BNAMS6.i
Smp Info : LCSD 460-152013/3-A
Misc Info : LCSD 460-152013/3-A
Comment :
Method : /chem/BNAMS6.i/625/03-20-13/20mar13.b/625BNA_11.m
Meth Date : 21-Mar-2013 07:53 croccom Quant Type: ISTD
Cal Date : 20-MAR-2013 22:50 Cal File: m63147.d
Als bottle: 22 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
107 1,4-Dioxane	88	1.822	1.829	(0.403)	170747	24.4035	48.8
19 N-Nitrosodimethylamine	74	2.053	2.053	(0.454)	324482	25.1659	50.3
71 Pyridine	79	2.090	2.098	(0.462)	404997	20.0624	40.1
$ 16 2-Fluorophenol (SUR)	112	3.235	3.234	(0.715)	344010	22.0104	44.0
110 Benzaldehyde	77	4.082	4.078	(0.902)	555490	82.3510	165(R)
$ 17 Phenol-d5 (SUR)	99	4.149	4.138	(0.917)	231941	14.4800	29.0
73 Aniline	93	4.194	4.183	(0.927)	643061	35.5075	71.0
1 Phenol	94	4.164	4.153	(0.921)	258638	15.0228	30.0
20 bis(2-Chloroethyl)ether	93	4.254	4.242	(0.941)	660922	39.9133	79.8
127 Benzonitrile	103	4.089	4.265	(0.904)	406	0.01668	0.0334(a)
2 2-Chlorophenol	128	4.314	4.310	(0.954)	480882	44.5567	89.1
114 n-Decane	43	4.374	4.370	(0.967)	696607	40.7842	81.6
21 1,3-Dichlorobenzene	146	4.470	4.466	(0.988)	515861	43.5494	87.1
* 79 1,4-Dichlorobenzene-d4	152	4.523	4.526	(1.000)	318400	40.0000	
22 1,4-Dichlorobenzene	146	4.546	4.541	(1.005)	520660	45.7810	91.6

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63164.d
Report Date: 21-Mar-2013 11:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	74 Benzyl Alcohol	108	4.664	4.653	(1.031)	335766	36.5723	73.1
	23 1,2-Dichlorobenzene	146	4.694	4.690	(1.038)	511203	46.4507	92.9
	24 bis (2-chloroisopropyl) ether	45	4.798	4.795	(1.061)	1176898	48.9446	97.9
	3 2-Methylphenol	108	4.777	4.765	(1.056)	458790	37.8959	75.8
	104 Acetophenone	105	4.933	4.921	(1.091)	758910	47.6206	95.2
	25 N-Nitroso-di-n-propylamine	70	4.941	4.921	(1.092)	520151	47.1426	94.3
	4 4-Methylphenol	108	4.941	4.914	(1.092)	390544	30.0217	60.0
	26 Hexachloroethane	117	5.038	5.032	(1.114)	303062	44.6597	89.3
$	76 Nitrobenzene-d5 (SUR)	82	5.084	5.070	(0.875)	759797	46.8282	93.6
	27 Nitrobenzene	77	5.106	5.091	(0.879)	952119	45.1740	90.3
	106 N,N-Dimethylaniline	120	5.114	5.099	(1.131)	739142	44.8397	89.7
	28 Isophorone	82	5.346	5.335	(0.920)	1321316	44.9920	90.0
	5 2-Nitrophenol	139	5.426	5.418	(0.934)	273888	48.7858	97.6
	6 2,4-Dimethylphenol	122	5.471	5.455	(0.942)	416197	45.3579	90.7
	29 bis(2-Chloroethoxy)methane	93	5.562	5.552	(0.958)	694399	47.1158	94.2
	15 Benzoic Acid	122	5.547	5.529	(0.955)	51580	9.27978	18.6(M)
	7 2,4-Dichlorophenol	162	5.673	5.656	(0.977)	386129	49.5963	99.2
	30 1,2,4-Trichlorobenzene	180	5.756	5.745	(0.991)	410513	47.6817	95.4
*	80 Naphthalene-d8	136	5.808	5.805	(1.000)	942157	40.0000	
	31 Naphthalene	128	5.831	5.827	(1.004)	1218007	48.0362	96.1(M)
	32 4-Chloroaniline	127	5.884	5.871	(1.013)	469054	45.6827	91.4
	33 Hexachlorobutadiene	225	5.966	5.961	(1.027)	231855	45.9068	91.8
	111 Caprolactum	113	6.256	6.199	(1.077)	37257	11.8077	23.6
	8 4-Chloro-3-methylphenol	107	6.376	6.363	(1.098)	467374	46.3080	92.6
	34 2-Methylnaphthalene	142	6.526	6.520	(1.124)	727567	47.3223	94.6
	119 1-Methylnaphthalene	142	6.623	6.616	(1.140)	646787	42.1660	84.3
	35 Hexachlorocyclopentadiene	237	6.691	6.691	(0.885)	191254	40.1769	80.4
	128 1,2,4,5-Tetrachlorobenzene	216	6.698	6.691	(0.886)	318208	41.7849	83.6
	9 2,4,6-Trichlorophenol	196	6.811	6.803	(0.901)	233021	49.5578	99.1
	10 2,4,5-Trichlorophenol	196	6.841	6.833	(0.905)	230441	49.8988	99.8
$	77 2-Fluorobiphenyl (SUR)	172	6.894	6.885	(0.912)	703135	44.4160	88.8
	102 Diphenyl	154	6.992	6.982	(0.925)	902225	47.3886	94.8
	36 2-Chloronaphthalene	162	7.015	7.005	(0.928)	720414	48.0056	96.0
	103 Diphenyl Ether	170	7.097	7.087	(0.939)	462007	46.6126	93.2
	37 2-Nitroaniline	65	7.113	7.102	(0.941)	365297	46.4118	92.8
	38 Dimethylphthalate	163	7.300	7.282	(0.965)	805535	48.8842	97.8
	40 2,6-Dinitrotoluene	165	7.353	7.342	(0.972)	198026	50.5793	101
	39 Acenaphthylene	152	7.419	7.417	(0.981)	1048440	46.7668	93.5
	41 3-Nitroaniline	138	7.525	7.506	(0.995)	205660	50.8058	102
*	82 Acenaphthene-d10	164	7.562	7.559	(1.000)	515878	40.0000	
	42 Acenaphthene	154	7.598	7.589	(1.005)	720872	49.4309	98.9
	11 2,4-Dinitrophenol	184	7.621	7.604	(1.008)	95455	49.3960	98.8
	12 4-Nitrophenol	65	7.681	7.672	(1.016)	58262	13.7195	27.4
	43 Dibenzofuran	168	7.770	7.762	(1.028)	899629	47.5162	95.0
	44 2,4-Dinitrotoluene	165	7.748	7.739	(1.024)	245323	48.1170	96.2
	129 2,3,4,6-Tetrachlorophenol	232	7.891	7.881	(1.043)	167850	46.6049	93.2
	45 Diethylphthalate	149	7.996	7.984	(1.057)	790988	46.4539	92.9

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63164.d
Report Date: 21-Mar-2013 11:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	47 Fluorene	166	8.107	8.097	(1.072)	698148	45.2723	90.5
	46 4-Chlorophenyl-phenylether	204	8.100	8.097	(1.071)	298432	45.8120	91.6
	48 4-Nitroaniline	138	8.130	8.112	(1.075)	191385	48.2863	96.6
	13 4,6-Dinitro-2-methylphenol	198	8.160	8.142	(0.904)	124118	53.7068	107
	49 N-Nitrosodiphenylamine	169	8.221	8.209	(0.910)	490617	53.5722	107
	75 1,2-Diphenylhydrazine	77	8.258	8.247	(0.915)	1091529	41.4438	82.9
$	18 2,4,6-Tribromophenol (SUR)	330	8.341	8.336	(1.103)	109107	45.9323	91.9
	50 4-Bromophenyl-phenylether	248	8.580	8.573	(0.950)	162506	46.4254	92.8
	51 Hexachlorobenzene	284	8.655	8.648	(0.958)	173303	48.6384	97.3
	112 Atrazine	200	8.745	8.730	(0.968)	120239	41.7892	83.6
	14 Pentachlorophenol	266	8.842	8.842	(0.979)	106914	44.6607	89.3
	115 n-Octadecane	57	8.917	8.917	(0.988)	604626	46.7623	93.5
*	83 Phenanthrene-d10	188	9.030	9.029	(1.000)	572630	40.0000	
	52 Phenanthrene	178	9.052	9.044	(1.002)	856396	50.7718	102
	53 Anthracene	178	9.104	9.097	(1.008)	836012	48.5149	97.0
	54 Carbazole	167	9.254	9.245	(1.025)	742686	48.8039	97.6
	55 Di-n-butylphthalate	149	9.590	9.587	(1.062)	1163325	48.7043	97.4
	56 Fluoranthene	202	10.216	10.214	(1.131)	667298	47.3242	94.6
	58 Benzidine	184	10.342	10.340	(1.145)	65734	25.7145	51.4
	57 Pyrene	202	10.453	10.444	(0.883)	660805	47.7380	95.5
$	78 Terphenyl-d14	244	10.603	10.599	(0.896)	403066	44.4313	88.9
	59 Butylbenzylphthalate	149	11.137	11.134	(0.941)	427731	48.3269	96.6
	60 3,3'-Dichlorobenzidine	252	11.781	11.774	(0.996)	167969	52.9051	106
	61 Benzo(a)anthracene	228	11.811	11.804	(0.998)	522318	46.1472	92.3
*	81 Chrysene-d12	240	11.833	11.826	(1.000)	376350	40.0000	
	62 Chrysene	228	11.864	11.849	(1.003)	469897	47.2159	94.4
	63 bis(2-Ethylhexyl)phthalate	149	11.849	11.842	(1.001)	548167	48.7350	97.5
	64 Di-n-octylphthalate	149	12.721	12.713	(0.923)	852638	48.1781	96.4
	65 Benzo(b)fluoranthene	252	13.251	13.233	(0.962)	411931	45.1657	90.3
	66 Benzo(k)fluoranthene	252	13.251	13.270	(0.962)	411931	45.5864	91.2
	67 Benzo(a)pyrene	252	13.699	13.686	(0.994)	371289	51.4022	103
*	84 Perylene-d12	264	13.782	13.782	(1.000)	294648	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.358	15.336	(1.114)	348841	44.4628	88.9
	69 Dibenz(a,h)anthracene	278	15.396	15.373	(1.117)	338872	46.9298	93.8
	70 Benzo(g,h,i)perylene	276	15.815	15.773	(1.148)	347008	44.4106	88.8

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: m63164.d

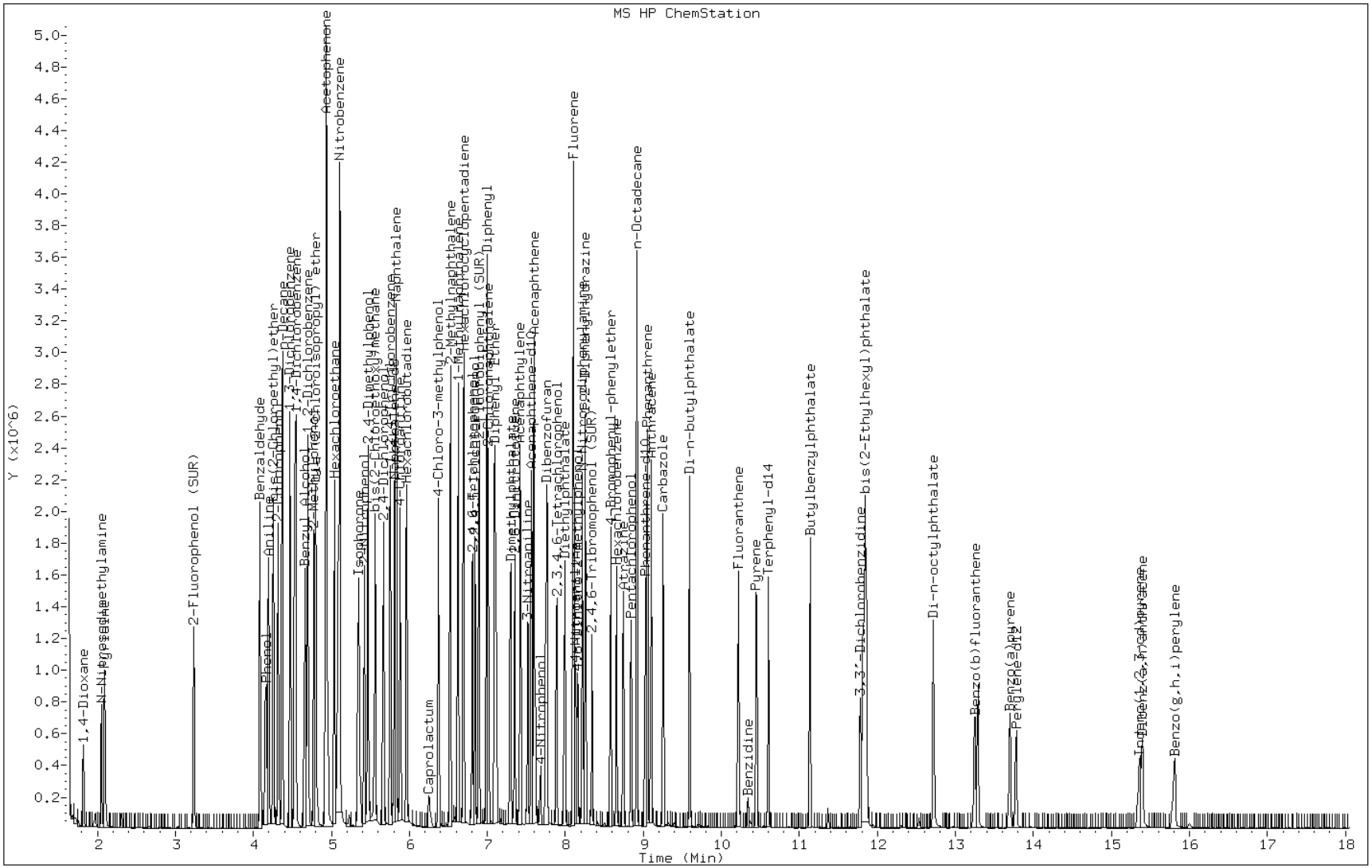
Date: 21-MAR-2013 08:00

Client ID:

Instrument: BNAMS6.i

Sample Info: LCSD 460-152013/3-A

Operator: BNAMS 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 240-79226/3-A
Matrix: Water
Lab File ID: 30326023.D
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/23/2013 11:09
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 18:14
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 79448
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	14.1		10	0.28
95-50-1	1,2-Dichlorobenzene	14.9		10	0.29
541-73-1	1,3-Dichlorobenzene	14.6		10	0.80
106-46-7	1,4-Dichlorobenzene	12.2		10	0.34
88-06-2	2,4,6-Trichlorophenol	12.5		10	0.80
120-83-2	2,4-Dichlorophenol	12.4		10	0.80
105-67-9	2,4-Dimethylphenol	10.3		10	0.80
51-28-5	2,4-Dinitrophenol	8.02	J	50	2.4
121-14-2	2,4-Dinitrotoluene	18.1		10	0.27
606-20-2	2,6-Dinitrotoluene	17.7		10	0.80
91-58-7	2-Chloronaphthalene	14.4		10	0.10
95-57-8	2-Chlorophenol	12.3		10	0.29
88-75-5	2-Nitrophenol	13.3		10	0.28
91-94-1	3,3'-Dichlorobenzidine	10.1		10	0.37
534-52-1	4,6-Dinitro-2-methylphenol	10.8	J	50	2.4
101-55-3	4-Bromophenyl phenyl ether	15.3		10	0.80
7005-72-3	4-Chlorophenyl phenyl ether	15.2		10	0.30
100-02-7	4-Nitrophenol	4.91	J	50	2.4
83-32-9	Acenaphthene	15.6		10	0.10
208-96-8	Acenaphthylene	16.2		10	0.10
120-12-7	Anthracene	17.4		10	0.10
56-55-3	Benzo[a]anthracene	16.4		10	0.10
50-32-8	Benzo[a]pyrene	16.6		10	0.10
205-99-2	Benzo[b]fluoranthene	16.1		10	0.10
191-24-2	Benzo[g,h,i]perylene	16.8		10	0.10
207-08-9	Benzo[k]fluoranthene	16.9		10	0.10
111-91-1	Bis(2-chloroethoxy)methane	14.9		10	0.32
111-44-4	Bis(2-chloroethyl)ether	15.3		10	0.10
117-81-7	Bis(2-ethylhexyl) phthalate	16.8		10	0.80
108-60-1	2,2'-oxybis[1-chloropropane]	15.0		10	0.40
85-68-7	Butyl benzyl phthalate	17.2		10	0.80
218-01-9	Chrysene	17.2		10	0.10
53-70-3	Dibenz(a,h)anthracene	16.6		10	0.10
84-66-2	Diethyl phthalate	16.0		10	0.60

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 240-79226/3-A
Matrix: Water
Lab File ID: 30326023.D
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/23/2013 11:09
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 18:14
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 79448
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
131-11-3	Dimethyl phthalate	14.5		10	0.29
84-74-2	Di-n-butyl phthalate	16.5		10	0.67
117-84-0	Di-n-octyl phthalate	15.9		10	0.80
206-44-0	Fluoranthene	17.1		10	0.10
86-73-7	Fluorene	16.0		10	0.10
118-74-1	Hexachlorobenzene	14.6		10	0.10
87-68-3	Hexachlorobutadiene	14.0		10	0.27
77-47-4	Hexachlorocyclopentadiene	14.2		10	0.80
67-72-1	Hexachloroethane	15.1		10	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	15.7		10	0.10
78-59-1	Isophorone	16.1		10	0.27
91-20-3	Naphthalene	15.4		10	0.10
98-95-3	Nitrobenzene	15.6		10	0.040
62-75-9	N-Nitrosodimethylamine	9.27	J	10	0.31
621-64-7	N-Nitrosodi-n-propylamine	14.9		10	0.80
86-30-6	N-Nitrosodiphenylamine	15.3		10	0.31
59-50-7	4-Chloro-3-methylphenol	12.2		10	0.80
87-86-5	Pentachlorophenol	11.6		10	2.4
85-01-8	Phenanthrene	16.2		10	0.10
108-95-2	Phenol	5.78	J	10	0.60
129-00-0	Pyrene	16.6		10	0.10
95-95-4	2,4,5-Trichlorophenol	11.8		10	0.30
122-66-7	1,2-Diphenylhydrazine	16.3		10	0.29

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	42		10-135
118-79-6	2,4,6-Tribromophenol	65		10-142
4165-60-0	Nitrobenzene-d5	77		44-110
4165-62-2	Phenol-d5	28		10-132
1718-51-0	Terphenyl-d14	81		24-135
321-60-8	2-Fluorobiphenyl (Surr)	69		38-110

Report Date: 27-Mar-2013 12:57:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326023.D		
Lims ID:	LCS 240-79226/3-A	Client ID:	
Inject. Date:	26-Mar-2013 18:14:30	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0018258-023		
Misc. Info.:	LCS 240-79226/3-A		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	79448	Lims Sample ID:	23
Detector:	MS SCAN		

Method:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\8270_hp7.m		
Last Update:	27-Mar-2013 12:57:18	Calib Date:	26-Mar-2013 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326020.D		
Limit Group:	MSS 625 ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK014		

First Level Reviewer: gruberj Date: 27-Mar-2013 08:26:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.915	5.915	0.0	96	250663	4.00	
* 2 Naphthalene-d8	136	7.044	7.043	0.001	100	1016463	4.00	
* 3 Acenaphthene-d10	164	8.552	8.557	-0.005	92	616685	4.00	
* 4 Phenanthrene-d10	188	9.819	9.825	-0.006	97	968761	4.00	
* 5 Chrysene-d12	240	12.403	12.403	0.0	95	1106089	4.00	
* 6 Perylene-d12	264	14.494	14.494	0.0	97	878117	4.00	
$ 7 2-Fluorophenol	112	4.637	4.631	0.006	92	632882	6.36	
$ 8 Phenol-d5	99	5.551	5.546	0.005	88	543930	4.13	
$ 9 Nitrobenzene-d5	82	6.407	6.407	0.0	88	700534	7.73	
$ 10 2-Fluorobiphenyl (Surr)	172	7.964	7.963	0.001	99	1331945	6.91	
$ 11 2,4,6-Tribromophenol	330	9.220	9.226	-0.006	91	268314	9.79	
$ 12 Terphenyl-d14	244	11.194	11.194	0.0	99	1486232	8.08	
24 1,4-Dioxane	88	2.363	2.353	0.010	85	151324	3.59	M
25 N-Nitrosodimethylamine	74	2.823	2.813	0.010	91	241483	4.63	
26 Pyridine	79	2.872	2.866	0.006	96	449176	4.54	
30 2-Picoline	93	3.968	3.968	0.0	94	623141	0	
36 Ethyl methanesulfonate	79	5.182	5.182	0.0	98	483894	0	
40 Benzaldehyde	77	5.508	5.508	0.0	96	558761	0	
41 Phenol	94	5.562	5.562	0.0	96	401633	2.89	
43 Aniline	93	5.605	5.605	0.0	98	695872	4.41	
44 Bis(2-chloroethyl)ether	93	5.664	5.663	0.001	98	682569	7.67	
46 2-Chlorophenol	128	5.717	5.717	0.0	94	661872	6.14	
47 1,3-Dichlorobenzene	146	5.861	5.861	0.0	95	683608	7.29	
48 1,4-Dichlorobenzene	146	5.931	5.931	0.0	92	706593	6.08	
49 Benzyl alcohol	108	6.027	6.027	0.0	93	357155	5.31	
50 1,2-Dichlorobenzene	146	6.070	6.070	0.0	94	666860	7.47	
51 2-Methylphenol	108	6.118	6.118	0.0	96	549316	5.52	
52 2,2'-oxybis[1-chloropropane]	45	6.150	6.150	0.0	91	700745	7.52	
191 3 & 4 Methylphenol	108	6.252	6.252	0.0	93	1061832	10.2	
56 N-Nitrosodi-n-propylamine	70	6.263	6.268	-0.005	85	421783	7.43	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 Acetophenone	105	6.268	6.268	0.0	93	959944	0	
60 Hexachloroethane	117	6.375	6.375	0.0	92	266010	7.53	
61 Nitrobenzene	77	6.423	6.423	0.0	82	740416	7.78	
63 Isophorone	82	6.632	6.632	0.0	99	1252782	8.03	
65 2-Nitrophenol	139	6.707	6.706	0.001	93	327824	6.66	
64 2,4-Dimethylphenol	107	6.723	6.722	0.001	80	564121	5.14	
69 Benzoic acid	122	6.749	6.792	-0.043	74	13876	2.41	
68 Bis(2-chloroethoxy)methane	93	6.814	6.813	0.001	97	805603	7.47	
71 2,4-Dichlorophenol	162	6.910	6.910	0.0	94	533689	6.19	
72 1,2,4-Trichlorobenzene	180	6.990	6.990	0.0	93	562834	7.03	
73 Naphthalene	128	7.065	7.065	0.0	97	1911713	7.68	
74 4-Chloroaniline	127	7.097	7.097	0.0	87	665036	5.75	
77 Hexachlorobutadiene	225	7.167	7.166	0.001	94	297788	7.01	
80 Quinoline	129		7.227					9
83 Caprolactam	113	7.381	7.386	-0.006	61	54652	0	
84 4-Chloro-3-methylphenol	107	7.493	7.498	-0.005	93	557835	6.11	
93 Safrole, Total	162	7.573	7.573	0.0	91	480528	0	
85 2-Methylnaphthalene	142	7.659	7.658	0.001	89	1256020	8.04	
86 1-Methylnaphthalene	142	7.744	7.744	0.0	91	1182503	0	
88 Hexachlorocyclopentadiene	237	7.792	7.792	0.0	93	285359	7.09	
90 2,4,6-Trichlorophenol	196	7.889	7.888	0.001	92	388194	6.27	
91 2,4,5-Trichlorophenol	196	7.921	7.921	0.0	95	405202	5.92	
95 1,1'-Biphenyl	154	8.054	8.054	0.0	94	1450492	7.43	
98 2-Chloronaphthalene	162	8.076	8.081	-0.005	96	1217970	7.19	
100 2-Nitroaniline	65	8.151	8.151	0.0	85	380406	7.78	
102 1,4-Dinitrobenzene	168	8.263	8.263	0.0	89	180421	0	
103 Dimethyl phthalate	163	8.295	8.295	0.0	98	1250329	7.24	
104 1,3-Dinitrobenzene	168	8.327	8.327	0.0	87	218855	0	
105 2,6-Dinitrotoluene	165	8.349	8.354	-0.005	89	313018	8.87	
106 1,2-Dinitrobenzene	168	8.402	8.402	0.0	87	156846	0	
107 Acenaphthylene	152	8.434	8.434	0.0	93	1941775	8.11	
108 3-Nitroaniline	138	8.498	8.498	0.0	93	309379	6.76	
110 Acenaphthene	153	8.584	8.584	0.0	94	1169008	7.78	
109 2,4-Dinitrophenol	184	8.584	8.589	-0.005	57	81144	4.01	
111 4-Nitrophenol	109	8.616	8.611	0.005	90	80045	2.45	
112 2,4-Dinitrotoluene	165	8.696	8.696	0.0	86	432251	9.07	
114 Dibenzofuran	168	8.728	8.728	0.0	89	1822156	7.98	
115 2,3,5,6-Tetrachlorophenol	232	8.787	8.787	0.0	86	323753	0	
117 2,3,4,6-Tetrachlorophenol	232	8.819	8.819	0.0	73	344322	0	
119 Diethyl phthalate	149	8.889	8.894	-0.005	97	1322226	8.01	
121 4-Chlorophenyl phenyl ether	204	9.006	9.006	0.0	92	675606	7.58	
123 4-Nitroaniline	138	9.017	9.017	0.0	81	347429	7.74	
124 Fluorene	166	9.023	9.022	0.001	82	1455519	7.98	
126 4,6-Dinitro-2-methylphenol	198	9.039	9.044	-0.005	83	177238	5.38	
130 N-Nitrosodiphenylamine	169	9.103	9.103	0.0	0	1088903	7.67	
131 Azobenzene	77	9.140	9.145	-0.005	98	1565589	8.17	
129 1,2-Diphenylhydrazine	77	9.140	9.145	-0.005	0	1565589	8.17	
135 Phenacetin	108	9.343	9.343	0.0	91	651557	0	
136 Phorate	121	9.349	9.354	-0.005	93	250170	0	
137 4-Bromophenyl phenyl ether	248	9.424	9.429	-0.005	66	384137	7.66	
139 Hexachlorobenzene	284	9.488	9.488	0.0	89	380744	7.31	
140 Atrazine	200	9.541	9.541	0.0	92	381668	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.648	9.648	0.0	88	198713	5.79	
142 Pronamide	173	9.675	9.675	0.0	86	577675	0	
146 Phenanthrene	178	9.841	9.841	0.0	97	2095735	8.09	
147 Anthracene	178	9.884	9.889	-0.005	98	2119981	8.72	
149 Carbazole	167	10.012	10.012	0.0	82	2005255	8.27	
151 Di-n-butyl phthalate	149	10.274	10.279	-0.005	100	2291989	8.26	
157 Fluoranthene	202	10.857	10.857	0.0	97	2340194	8.54	
160 Pyrene	202	11.071	11.071	0.0	98	2461323	8.32	
162 Chlorobenzilate	139	11.365	11.365	0.0	89	544892	0	
166 Butyl benzyl phthalate	149	11.681	11.686	-0.005	96	905798	8.62	
173 3,3'-Dichlorobenzidine	252	12.333	12.339	-0.006	72	540520	5.03	
171 Bis(2-ethylhexyl) phthalate	149	12.371	12.376	-0.005	96	1252792	8.38	
175 Benzo[a]anthracene	228	12.392	12.392	0.0	97	2190638	8.22	
176 Chrysene	228	12.435	12.440	-0.005	94	2152144	8.59	
178 Di-n-octyl phthalate	149	13.291	13.296	-0.005	99	1830167	7.94	
180 Benzo[b]fluoranthene	252	13.906	13.911	-0.005	94	1985101	8.03	
181 Benzo[k]fluoranthene	252	13.949	13.954	-0.005	98	2230925	8.47	
182 Benzo[a]pyrene	252	14.409	14.414	-0.005	75	1839757	8.29	
186 Indeno[1,2,3-cd]pyrene	276	16.168	16.168	0.0	97	1964845	7.87	
187 Dibenz(a,h)anthracene	278	16.195	16.200	-0.005	69	1708110	8.32	
188 Benzo[g,h,i]perylene	276	16.623	16.623	0.0	95	1799844	8.40	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

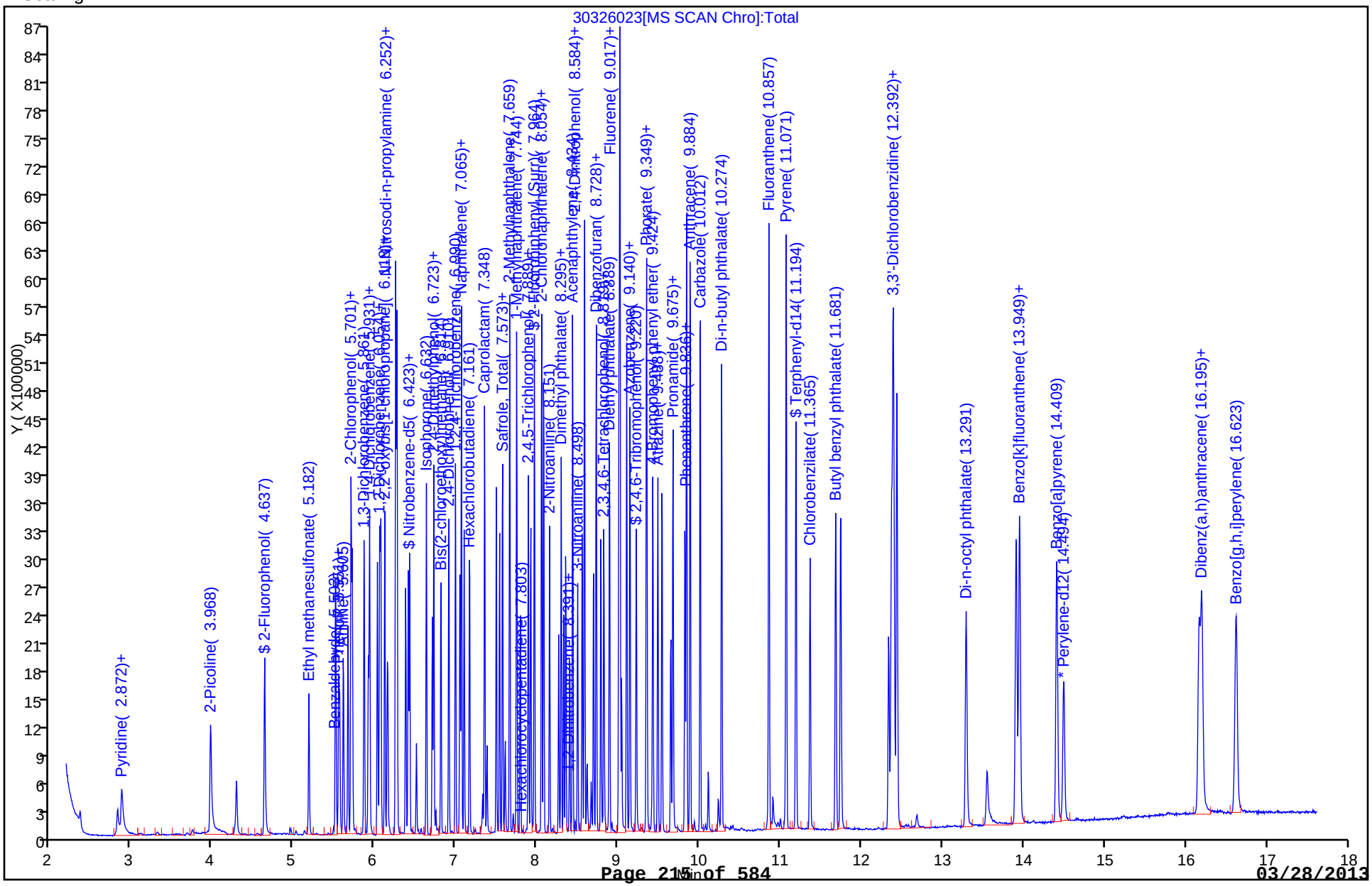
Review Flags
M - Manually Integrated

Report Date: 27-Mar-2013 12:57:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326023.D		
Injection Date:	26-Mar-2013 18:14:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: BNAMS6 Start Date: 03/20/2013 19:35

Analysis Batch Number: 152058 End Date: 03/21/2013 11:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-152058/1		03/20/2013 19:35	1	m63142.d	Rtx-5MS 0.25(mm)
ICIS 460-152058/2		03/20/2013 21:16	1	m63143.d	Rtx-5MS 0.25(mm)
IC 460-152058/3		03/20/2013 21:42	1	m63144.d	Rtx-5MS 0.25(mm)
IC 460-152058/4		03/20/2013 22:05	1	m63145.d	Rtx-5MS 0.25(mm)
IC 460-152058/5		03/20/2013 22:27	1	m63146.d	Rtx-5MS 0.25(mm)
IC 460-152058/6		03/20/2013 22:50	1	m63147.d	Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 00:38	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 01:01	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 01:24	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 01:47	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 02:10	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 02:32	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 02:55	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 03:17	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 03:40	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 04:03	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 04:25	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 04:48	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 05:11	1		Rtx-5MS 0.25(mm)
LCSD 460-152013/3-A		03/21/2013 08:00	1	m63164.d	Rtx-5MS 0.25(mm)
MB 460-152013/1-A		03/21/2013 08:23	1	m63165.d	Rtx-5MS 0.25(mm)
460-52642-1	INFLUENT	03/21/2013 08:45	1	m63166.d	Rtx-5MS 0.25(mm)
LCS 460-152013/2-A		03/21/2013 11:27	1	m63167.d	Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Instrument ID: A4HP7 Start Date: 03/26/2013 09:31

Analysis Batch Number: 79448 End Date: 03/27/2013 08:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-79448/1		03/26/2013 09:31	1	30326001.D	RXI-5SILMS 0.45(mm)
STD5 240-79448/2 IC		03/26/2013 09:55	1	30326002.D	RXI-5SILMS 0.45(mm)
STD4 240-79448/3 IC		03/26/2013 10:18	1	30326003.D	RXI-5SILMS 0.45(mm)
STD3 240-79448/4 IC		03/26/2013 10:42	1	30326004.D	RXI-5SILMS 0.45(mm)
STD2 240-79448/5 IC		03/26/2013 11:06	1	30326005.D	RXI-5SILMS 0.45(mm)
STD1 240-79448/6 IC		03/26/2013 11:30	1	30326006.D	RXI-5SILMS 0.45(mm)
STD9 240-79448/7 IC		03/26/2013 11:53	1	30326007.D	RXI-5SILMS 0.45(mm)
STD8 240-79448/8 IC		03/26/2013 12:17	1	30326008.D	RXI-5SILMS 0.45(mm)
STD7 240-79448/9 IC		03/26/2013 12:41	1	30326009.D	RXI-5SILMS 0.45(mm)
STD6 240-79448/10 ICIS		03/26/2013 13:05	1	30326010.D	RXI-5SILMS 0.45(mm)
ICV 240-79448/11		03/26/2013 13:29	1	30326011.D	RXI-5SILMS 0.45(mm)
STD9 240-79448/13 IC		03/26/2013 14:16	1	30326013.D	RXI-5SILMS 0.45(mm)
STD8 240-79448/14 IC		03/26/2013 14:40	1	30326014.D	RXI-5SILMS 0.45(mm)
STD7 240-79448/15 IC		03/26/2013 15:04	1	30326015.D	RXI-5SILMS 0.45(mm)
STD6 240-79448/16 IC		03/26/2013 15:28	1	30326016.D	RXI-5SILMS 0.45(mm)
STD5 240-79448/17 IC		03/26/2013 15:51	1	30326017.D	RXI-5SILMS 0.45(mm)
STD4 240-79448/18 IC		03/26/2013 16:15	1	30326018.D	RXI-5SILMS 0.45(mm)
STD3 240-79448/19 IC		03/26/2013 16:39	1	30326019.D	RXI-5SILMS 0.45(mm)
STD2 240-79448/20 IC		03/26/2013 17:03	1	30326020.D	RXI-5SILMS 0.45(mm)
ICV 240-79448/21		03/26/2013 17:27	1	30326021.D	RXI-5SILMS 0.45(mm)
MB 240-79226/2-A		03/26/2013 17:50	1	30326022.D	RXI-5SILMS 0.45(mm)
LCS 240-79226/3-A		03/26/2013 18:14	1	30326023.D	RXI-5SILMS 0.45(mm)
460-52642-1	INFLUENT	03/27/2013 08:03	1	30326028.D	RXI-5SILMS 0.45(mm)

625

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152013 Batch Start Date: 03/21/13 07:15 Batch Analyst: Silva, Jose

Batch Method: 625 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH
MB 460-152013/1		625, 625		7	1000 mL	2 mL		< 2 SU	> 12 SU
LCS 460-152013/2		625, 625		7	1000 mL	2 mL		< 2 SU	> 12 SU
LCSD 460-152013/3		625, 625		7	1000 mL	2 mL		< 2 SU	> 12 SU
460-52642-I-1	INFLUENT	625, 625	T	8	970 mL	2 mL	8 SU	< 2 SU	> 12 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP625/82SP 00038	OP625/82SU 00035				
MB 460-152013/1		625, 625			1 mL				
LCS 460-152013/2		625, 625		1 mL	1 mL				
LCSD 460-152013/3		625, 625		1 mL	1 mL				
460-52642-I-1	INFLUENT	625, 625	T		1 mL				

Batch Notes	
Acid used for pH adjustment	Sulfuric
Acid used for pH adjust Lot #	20665
Base used for pH adjustment	NAOH
Base used for pH adjust Lot #	op 551
Batch Comment	625 BNA
Person's name who did the concentration	JS
N-evap #	222299
N-evap temperature	22.0 Celsius
Prep Solvent Lot #	34712
Prep Solvent Name	MECL2
Prep Solvent Volume Used	360 ML
Person's name who did the prep	Jose
Uncorrected N-evap Temperature	22.0 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152013 Batch Start Date: 03/21/13 07:15 Batch Analyst: Silva, Jose

Batch Method: 625 Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Batch Number: 79226 Batch Start Date: 03/23/13 11:09 Batch Analyst: Earle, Steve

Batch Method: 625 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	EXBNALCS1 00034
460-52642-H-1	INFLUENT	625, 625	T	950 mL	2 mL	7 SU	12 SU	2 SU	
MB 240-79226/2		625, 625		1000 mL	2 mL	7 SU	12 SU	2 SU	
LCS 240-79226/3		625, 625		1000 mL	2 mL	7 SU	12 SU	2 SU	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXBNASURRW 00023	EXRESTEKSPKW 00019				
460-52642-H-1	INFLUENT	625, 625	T	1 mL					
MB 240-79226/2		625, 625		1 mL					
LCS 240-79226/3		625, 625		1 mL	1 mL				

Batch Notes	
Acid used for pH adjust Lot #	711899
Base used for pH adjust Lot #	711887
Person's name who did the concentration	se
Na2SO4 Lot Number	857423
Prep Solvent Lot #	903529

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 608

Organochlorine Pesticides & PCBs (GC) by Method 608

FORM II
PESTICIDES/PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): MR-1 ID: 0.53 (mm) GC Column (2): MR-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
INFLUENT	460-52642-1	67	76	71	70
INFLUENT	460-52642-1		98		106
	MB 180-66997/1-A	90	93	81	79
	MB 180-66997/1-A		117		102
	LCS 180-66997/2-A	88	88	82	82
	LCS 180-66997/4-A		105		99
	LCSD 180-66997/3-A	82	83	66	65
	LCSD 180-66997/5-A		109		102

	QC LIMITS
TCX = Tetrachloro-m-xylene	36-129
DCB = DCB Decachlorobiphenyl (Surr)	57-144

Column to be used to flag recovery values

FORM II 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: AQ0313000995.D

Lab ID: LCS 180-66997/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aldrin	0.0250	0.0201	80	42-122	
alpha-BHC	0.0250	0.0197	79	37-134	
beta-BHC	0.0250	0.0203	81	17-147	
gamma-BHC (Lindane)	0.0250	0.0204	82	32-127	
delta-BHC	0.0250	0.0165	66	19-140	
4,4'-DDD	0.0250	0.0200	80	31-141	
4,4'-DDE	0.0250	0.0192	77	30-145	
Dieldrin	0.0250	0.0193	77	36-146	
Endosulfan I	0.0250	0.0196	78	45-153	
Endosulfan II	0.0250	0.0194	77	10-202	
Endosulfan sulfate	0.0250	0.0192	77	26-144	
Endrin	0.0250	0.0199	80	30-147	
Endrin aldehyde	0.0250	0.0204	82	56-125	
Heptachlor	0.0250	0.0214	86	34-111	
Heptachlor epoxide	0.0250	0.0200	80	37-142	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: BQ0313000995.D

Lab ID: LCS 180-66997/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDT	0.0250	0.0207	83	25-160	
Methoxychlor	0.0250	0.0214	85	65-135	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P0330836.D

Lab ID: LCS 180-66997/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	1.00	0.968	97	50-114	
PCB-1260	1.00	0.975	97	10-127	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: AQ0313000996.D

Lab ID: LCSD 180-66997/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aldrin	0.0250	0.0172	69	16	20	42-122	
alpha-BHC	0.0250	0.0183	73	7	20	37-134	
beta-BHC	0.0250	0.0183	73	10	26	17-147	
gamma-BHC (Lindane)	0.0250	0.0184	74	10	20	32-127	
delta-BHC	0.0250	0.0143	57	15	23	19-140	
4,4'-DDD	0.0250	0.0156	63	24	23	31-141	*
4,4'-DDE	0.0250	0.0156	62	21	22	30-145	
Dieldrin	0.0250	0.0156	63	21	23	36-146	
Endosulfan I	0.0250	0.0161	65	19	22	45-153	
Endosulfan II	0.0250	0.0155	62	22	44	10-202	
Endosulfan sulfate	0.0250	0.0143	57	29	24	26-144	*
Endrin	0.0250	0.0156	62	24	24	30-147	
Endrin aldehyde	0.0250	0.0159	63	25	32	56-125	
Heptachlor	0.0250	0.0190	76	12	20	34-111	
Heptachlor epoxide	0.0250	0.0171	68	16	20	37-142	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: BQ0313000996.D

Lab ID: LCSD 180-66997/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDT	0.0250	0.0161	64	28	27	25-160	
Methoxychlor	0.0250	0.0165	66	27	29	65-135	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P0330837.D

Lab ID: LCSD 180-66997/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	1.00	1.01	101	5	20	50-114	
PCB-1260	1.00	1.01	101	4	20	10-127	

Column to be used to flag recovery and RPD values

FORM III 608

FORM IV
PESTICIDES/PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: MB 180-66997/1-A

Matrix: Water Date Extracted: 03/21/2013 13:40

Lab File ID:(1) AQ0313000911.D Lab File ID:(2) BQ0313000911.D

Date Analyzed:(1) 03/25/2013 17:11 Date Analyzed:(2) 03/25/2013 17:11

Instrument ID:(1) GC15 Instrument ID:(2) GC15

GC Column:(1) MR-1 ID: 0.53(mm) GC Column:(2) MR-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
INFLUENT	460-52642-1	03/25/2013 16:56	03/25/2013 16:56
	LCS 180-66997/2-A	03/25/2013 17:27	03/25/2013 17:27
	LCSD 180-66997/3-A	03/25/2013 17:42	03/25/2013 17:42

FORM IV
PESTICIDES/PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: MB 180-66997/1-A

Matrix: Water Date Extracted: 03/21/2013 13:40

Lab File ID:(1) AQ0313000994.D Lab File ID:(2) BQ0313000994.D

Date Analyzed:(1) 03/26/2013 21:18 Date Analyzed:(2) 03/26/2013 21:18

Instrument ID:(1) GC15 Instrument ID:(2) GC15

GC Column:(1) MR-1 ID: 0.53(mm) GC Column:(2) MR-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
INFLUENT	460-52642-1	03/26/2013 21:03	03/26/2013 21:03
	LCS 180-66997/2-A	03/26/2013 21:34	03/26/2013 21:34
	LCSD 180-66997/3-A	03/26/2013 21:49	03/26/2013 21:49

FORM IV
PESTICIDES/PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: MB 180-66997/1-A

Matrix: Water Date Extracted: 03/21/2013 13:40

Lab File ID:(1) Lab File ID:(2) P0330835.D

Date Analyzed:(1) Date Analyzed:(2) 03/22/2013 14:29

Instrument ID:(1) Instrument ID:(2) GC8

GC Column:(1) ID: GC Column:(2) RTX-1701 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
INFLUENT	460-52642-1		03/22/2013 14:05
	LCS 180-66997/4-A		03/22/2013 14:54
	LCSD 180-66997/5-A		03/22/2013 15:18

FORM VIII
PESTICIDES/PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Sample No.: ICRT 180-67462/6 Date Analyzed: 03/26/2013 15:06

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm)

Lab File ID (Standard): AQ0313000970.D Heated Purge: (Y/N) N

Calibration ID: 8916

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				4.52	9.56	
UPPER LIMIT				4.57	9.61	
LOWER LIMIT				4.47	9.51	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 180-67462/6		03/26/2013 15:06	AQ0313000970.D	4.52	9.56	
PEM 180-67462/11		03/26/2013 20:32	AQ0313000991.D	4.52	9.55	
CCV 180-67462/12		03/26/2013 20:47	AQ0313000992.D	4.52	9.56	
460-52642-1	INFLUENT	03/26/2013 21:03	AQ0313000993.D	4.52	9.56	
MB 180-66997/1-A		03/26/2013 21:18	AQ0313000994.D	4.52	9.56	
LCS 180-66997/2-A		03/26/2013 21:34	AQ0313000995.D	4.52	9.56	
LCSD 180-66997/3-A		03/26/2013 21:49	AQ0313000996.D	4.52	9.56	
CCV 180-67462/22		03/27/2013 01:42	AQ0313001011.D	4.52	9.56	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 608

FORM VIII
PESTICIDES/PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Sample No.: ICRT 180-67462/6 Date Analyzed: 03/26/2013 15:06

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm)

Lab File ID (Standard): BQ0313000970.D Heated Purge: (Y/N) N

Calibration ID: 8919

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				4.59	9.99	
UPPER LIMIT				4.64	10.04	
LOWER LIMIT				4.54	9.94	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 180-67462/6		03/26/2013 15:06	BQ0313000970.D	4.59	9.99	
PEM 180-67462/11		03/26/2013 20:32	BQ0313000991.D	4.59	9.99	
CCV 180-67462/12		03/26/2013 20:47	BQ0313000992.D	4.59	9.99	
460-52642-1	INFLUENT	03/26/2013 21:03	BQ0313000993.D	4.59	9.99	
MB 180-66997/1-A		03/26/2013 21:18	BQ0313000994.D	4.59	9.98	
LCS 180-66997/2-A		03/26/2013 21:34	BQ0313000995.D	4.59	9.98	
LCSD 180-66997/3-A		03/26/2013 21:49	BQ0313000996.D	4.59	9.98	
CCV 180-67462/22		03/27/2013 01:42	BQ0313001011.D	4.59	9.99	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 608

FORM VIII
PESTICIDES/PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Sample No.: CCVRT 180-67227/8 Date Analyzed: 03/22/2013 13:40

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm)

Lab File ID (Standard): P0330833.D Heated Purge: (Y/N) N

Calibration ID: 8679

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.00	12.57	
UPPER LIMIT				4.05	12.62	
LOWER LIMIT				3.95	12.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-67227/8		03/22/2013 13:40	P0330833.D	4.00	12.57	
460-52642-1	INFLUENT	03/22/2013 14:05	P0330834.D	4.01	12.57	
MB 180-66997/1-A		03/22/2013 14:29	P0330835.D	4.01	12.57	
LCS 180-66997/4-A		03/22/2013 14:54	P0330836.D	4.00	12.57	
LCSD 180-66997/5-A		03/22/2013 15:18	P0330837.D	4.00	12.57	
CCV 180-67227/14		03/22/2013 16:57	P0330841.D	4.00	12.57	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 608

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-66997/2-A

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 03/26/2013 21:34 Date Analyzed (2): 03/26/2013 21:34

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.88	4.85	4.91	0.0197		5.1
	2		5.06	5.03	5.09	0.0207		
gamma-BHC (Lindane)	1		5.14	5.11	5.17	0.0204		0.4
	2		5.36	5.33	5.39	0.0205		
beta-BHC	1		5.30	5.27	5.33	0.0203		0.5
	2		5.61	5.58	5.64	0.0204		
delta-BHC	1		5.49	5.46	5.52	0.0165		1.5
	2		5.83	5.80	5.86	0.0168		
Heptachlor	1		5.60	5.57	5.63	0.0214		1.3
	2		5.68	5.65	5.71	0.0217		
Aldrin	1		5.88	5.85	5.91	0.0201		2.0
	2		5.94	5.91	5.97	0.0205		
Heptachlor epoxide	1		6.24	6.21	6.27	0.0200		0.6
	2		6.40	6.37	6.43	0.0198		
Endosulfan I	1		6.56	6.53	6.59	0.0196		0.2
	2		6.75	6.72	6.78	0.0196		
4,4'-DDE	1		6.68	6.65	6.71	0.0192		2.2
	2		6.83	6.80	6.86	0.0196		
Dieldrin	1		6.80	6.77	6.83	0.0193		2.1
	2		7.00	6.97	7.03	0.0197		
Endrin	1		7.00	6.97	7.03	0.0199		1.2
	2		7.27	7.24	7.30	0.0201		
4,4'-DDD	1		7.13	7.10	7.16	0.0200		1.6
	2		7.35	7.33	7.39	0.0196		
Endosulfan II	1		7.20	7.17	7.23	0.0194		2.7
	2		7.54	7.51	7.57	0.0199		
Endrin aldehyde	1		7.31	7.28	7.34	0.0204		3.6
	2		7.70	7.68	7.74	0.0197		
4,4'-DDT	1		7.41	7.38	7.44	0.0212		2.2
	2		7.60	7.57	7.63	0.0207		
Endosulfan sulfate	1		7.52	7.49	7.55	0.0192		0.6
	2		7.91	7.88	7.94	0.0193		
Methoxychlor	1		7.85	7.82	7.88	0.0217		1.5
	2		8.14	8.11	8.17	0.0214		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-66997/3-A

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 03/26/2013 21:49 Date Analyzed (2): 03/26/2013 21:49

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.88	4.85	4.91	0.0183		4.4
	2		5.06	5.03	5.09	0.0191		
gamma-BHC (Lindane)	1		5.14	5.11	5.17	0.0184		2.1
	2		5.36	5.33	5.39	0.0188		
beta-BHC	1		5.30	5.27	5.33	0.0183		1.2
	2		5.61	5.58	5.64	0.0181		
delta-BHC	1		5.49	5.46	5.52	0.0143		5.7
	2		5.83	5.80	5.86	0.0151		
Heptachlor	1		5.60	5.57	5.63	0.0190		1.3
	2		5.68	5.65	5.71	0.0192		
Aldrin	1		5.88	5.85	5.91	0.0172		4.0
	2		5.94	5.91	5.97	0.0179		
Heptachlor epoxide	1		6.24	6.21	6.27	0.0171		3.1
	2		6.40	6.37	6.43	0.0166		
Endosulfan I	1		6.56	6.53	6.59	0.0161		0.3
	2		6.75	6.72	6.78	0.0162		
4,4'-DDE	1		6.68	6.65	6.71	0.0156		0.5
	2		6.83	6.80	6.86	0.0157		
Dieldrin	1		6.80	6.77	6.83	0.0156		3.7
	2		7.00	6.97	7.03	0.0162		
Endrin	1		7.00	6.97	7.03	0.0156		2.0
	2		7.27	7.24	7.30	0.0159		
4,4'-DDD	1		7.13	7.10	7.16	0.0156		1.1
	2		7.35	7.33	7.39	0.0155		
Endosulfan II	1		7.20	7.17	7.23	0.0155		0.6
	2		7.54	7.51	7.57	0.0156		
Endrin aldehyde	1		7.31	7.28	7.34	0.0159		2.2
	2		7.70	7.68	7.74	0.0155		
4,4'-DDT	1		7.41	7.38	7.44	0.0152		5.7
	2		7.60	7.57	7.63	0.0161		
Endosulfan sulfate	1		7.53	7.49	7.55	0.0143		3.7
	2		7.91	7.88	7.94	0.0148		
Methoxychlor	1		7.85	7.82	7.88	0.0152		7.9
	2		8.14	8.11	8.17	0.0165		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-66997/4-A

Instrument ID (1): Instrument ID (2): GC8

Date Analyzed (1): Date Analyzed (2): 03/22/2013 14:54

GC Column (1): ID: GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	2	1	4.83	4.79	4.89	0.970	0.968	
		2	5.50	5.46	5.56	0.980		
		3	5.82	5.79	5.89	0.988		
		4	5.90	5.86	5.96	0.950		
		5	6.62	6.58	6.68	0.954		
PCB-1260	2	1	8.63	8.59	8.69	0.956	0.975	
		2	8.87	8.83	8.93	0.959		
		3	9.24	9.20	9.30	0.974		
		4	9.66	9.63	9.73	0.985		
		5	10.02	9.98	10.08	1.00		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-66997/5-A

Instrument ID (1): Instrument ID (2): GC8

Date Analyzed (1): Date Analyzed (2): 03/22/2013 15:18

GC Column (1): ID: GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	2	1	4.83	4.79	4.89	1.01	1.01	
		2	5.49	5.46	5.56	1.03		
		3	5.82	5.79	5.89	1.04		
		4	5.90	5.86	5.96	0.992		
		5	6.62	6.58	6.68	1.00		
PCB-1242	2	1	6.47	6.43	6.53	1.22	0.913	
		2	6.62	6.58	6.68	1.21		
		3	7.15	7.11	7.21	1.19		
		4	7.69	7.66	7.76	0.859		
		5	7.97	7.93	8.03	0.0763		
PCB-1260	2	1	8.63	8.59	8.69	0.992	1.01	
		2	8.87	8.83	8.93	0.991		
		3	9.24	9.20	9.30	1.01		
		4	9.66	9.63	9.73	1.02		
		5	10.02	9.98	10.08	1.04		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT Lab Sample ID: 460-52642-1

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 03/26/2013 21:03 Date Analyzed (2): 03/26/2013 21:03

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.89	4.85	4.91	0.0018		131.3
	2		5.04	5.03	5.09	0.0089		
gamma-BHC (Lindane)	1		5.14	5.11	5.17	0.0040		20.5
	2		5.38	5.33	5.39	0.0033		
delta-BHC	1		5.49	5.46	5.52	0.0014		57.6
	2		5.83	5.80	5.86	0.00078		
Heptachlor	1		5.61	5.57	5.63	0.0013		7.7
	2		5.70	5.65	5.71	0.0014		
4,4'-DDT	1		7.38	7.38	7.44	0.0027		32.1
	2		7.62	7.57	7.63	0.0019		

FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Matrix: Water
Lab File ID: P0330834.D
Analysis Method: 608
Date Collected: 03/20/2013 06:30
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 980(mL)
Date Analyzed: 03/22/2013 14:05
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67227
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.010	0.0026
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0030
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0014
11096-82-5	PCB-1260	ND		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	106		57-144

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330834.D
Report Date: 25-Mar-2013 13:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330834.D
Lab Smp Id: 460-52642-F-1-A Client Smp ID: INFLUENT
Inj Date : 22-MAR-2013 14:05
Operator : 402360 Inst ID: gc8.i
Smp Info : 03223B8608.b
Misc Info : 460-52642-F-1-A
Comment   : 8082 PCB ANALYSIS
Method   : \\pitsvr06\d\chem\gc8.i\03223B8608.b\PCBB608.m
Meth Date : 25-Mar-2013 13:48 gc8.i Quant Type: ESTD
Cal Date : 08-MAR-2013 22:13 Cal File: P0330321.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.005	4.015	-0.010	313606	0.01955	0.019546		(R)
1 Aroclor-1221					CAS #: 11104-28-2		
Operator disabled compound identification.							
4 Aroclor-1016					CAS #: 12674-11-2		
Operator disabled compound identification.							
3 Aroclor-1232					CAS #: 11141-16-5		
Operator disabled compound identification.							
6 Aroclor-1248					CAS #: 12672-29-6		
Operator disabled compound identification.							
5 Aroclor-1242					CAS #: 53469-21-9		
Operator disabled compound identification.							

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330834.D
Report Date: 25-Mar-2013 13:48

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

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

Operator disabled compound identification.
-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)               CAS #: 2051-24-3
12.574  12.599   -0.025          183707 0.02127  0.021271                      (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: P0330834.D

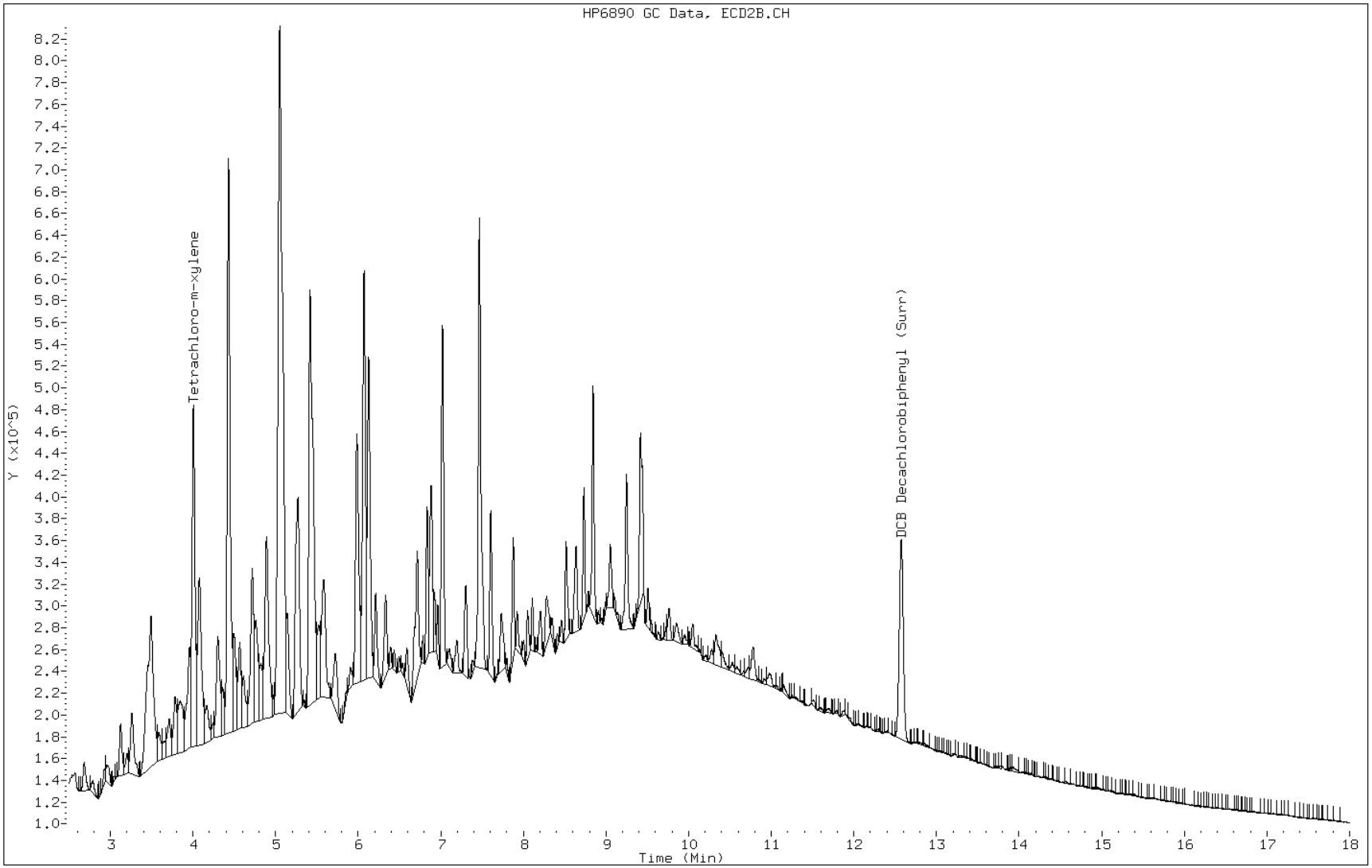
Date: 22-MAR-2013 14:05

Client ID: INFLUENT

Instrument: gc8.i

Sample Info: 03223B8608.b

Operator: 402360



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Matrix: Water
Lab File ID: BQ0313000910.D
Analysis Method: 608
Date Collected: 03/20/2013 06:30
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 980(mL)
Date Analyzed: 03/25/2013 16:56
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67287
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2385-85-5	Mirex	ND		0.0013	0.00049

Data File: \\PITSVR06\D\chem\gc15.i\032513608APP.b\BQ0313000910.D
Report Date: 26-Mar-2013 06:56

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\032513608APP.b\BQ0313000910.D
Lab Smp Id: 460-52642-F-1-A Client Smp ID: INFLUENT
Inj Date : 25-MAR-2013 16:56
Operator : 402331 Inst ID: gc15.i
Smp Info : 460-52642-f-1-a,2013.b
Misc Info : 460-52642-F-1-A
Comment   : 8081 Analysis
Method   : \\PITSVR06\D\chem\gc15.i\032513608APP.b\TPEST608B2.m
Meth Date : 26-Mar-2013 06:55 oravecj Quant Type: ESTD
Cal Date : 19-MAR-2013 13:52 Cal File: BQ0313000614.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: APPX1.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
2 HCCPD	3.294	3.303	-0.009	3559	0.00674	0.006739(a)
5 Hexachlorobenzene	4.951	4.969	-0.018	193749	0.01252	0.01252(a)
14 OXYCHLORDANE	6.249	6.246	0.003	3953	7e-004	0.0007154(a)
15 Isodrin	6.221	6.246	-0.025	6869	0.00124	0.001242(a)
9 Dacthal	5.907	5.904	0.003	4171	5e-004	0.0004836(a)
19 Chlorbenside	6.631	6.659	-0.028	5547	0.00484	0.004837(a)
37 Mirex	Compound Not Detected.					

QC Flag Legend

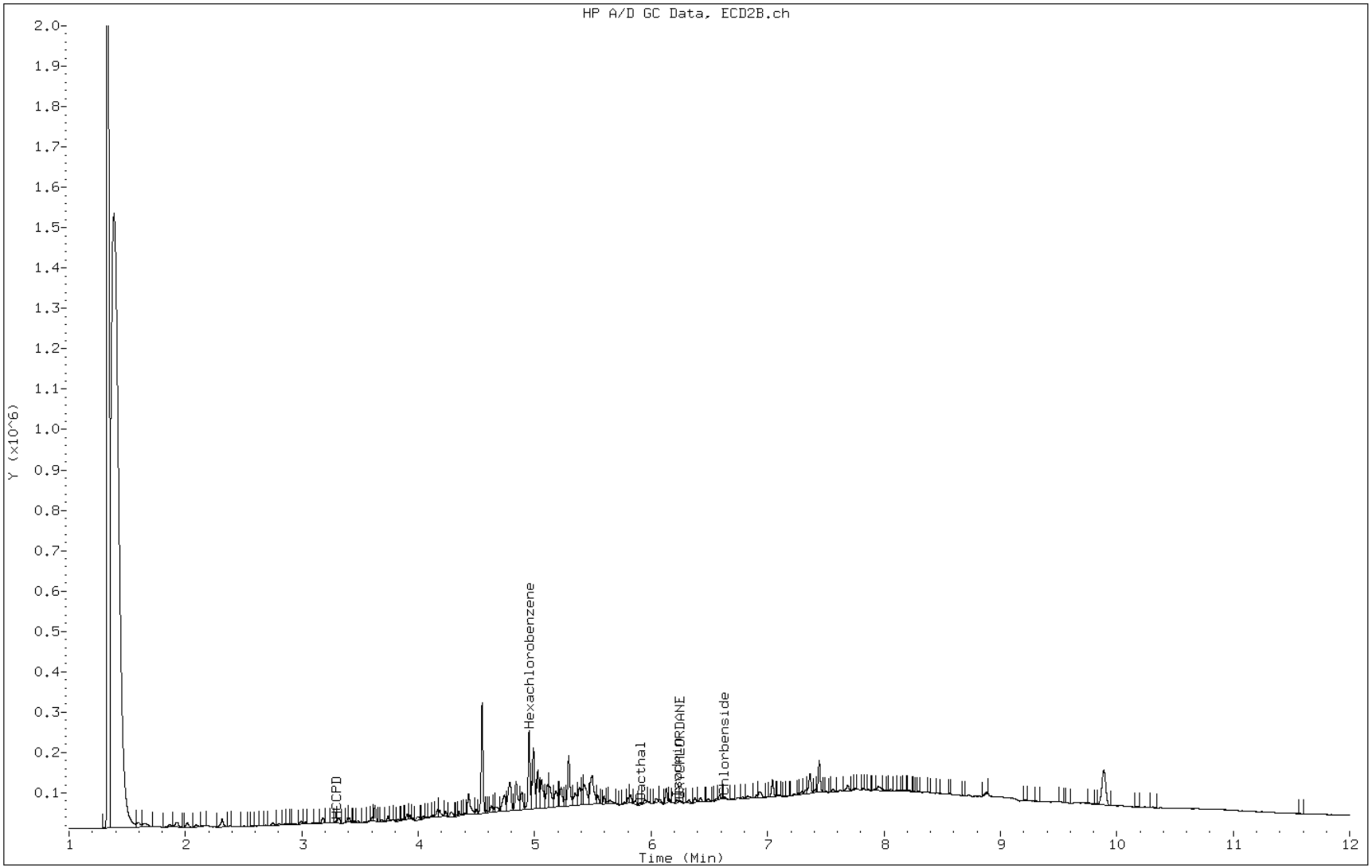
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: BQ0313000910.D

Date: 25-MAR-2013 16:56

Client ID: INFLUENT Instrument: gc15.i

Sample Info: 460-52642-f-1-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Matrix: Water
Lab File ID: AQ0313000993.D
Analysis Method: 608
Date Collected: 03/20/2013 06:30
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 980(mL)
Date Analyzed: 03/26/2013 21:03
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.0018	p	0.0013	0.00067
58-89-9	gamma-BHC (Lindane)	0.0040		0.0013	0.00082
57-74-9	Chlordane (technical)	ND		0.013	0.0017
72-54-8	4,4'-DDD	ND	*	0.0013	0.00068
72-55-9	4,4'-DDE	ND		0.0013	0.00081
60-57-1	Dieldrin	ND		0.0013	0.00084
959-98-8	Endosulfan I	ND		0.0013	0.00096
33213-65-9	Endosulfan II	ND		0.0013	0.0010
1031-07-8	Endosulfan sulfate	ND	*	0.0013	0.00058
72-20-8	Endrin	ND		0.0013	0.00098
7421-93-4	Endrin aldehyde	ND		0.0013	0.00092
1024-57-3	Heptachlor epoxide	ND		0.0013	0.00099
8001-35-2	Toxaphene	ND		0.051	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	67		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	71		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000993.D
Report Date: 27-Mar-2013 08:42

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000993.D
Lab Smp Id: 460-52642-F-1-A Client Smp ID: INFLUENT
Inj Date : 26-MAR-2013 21:03
Operator : 402331 Inst ID: gc15.i
Smp Info : 460-52642-f-1-a,2013.b
Misc Info : 460-52642-F-1-A
Comment   : 8081 analysis
Method   : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:29 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	257461	0.01349	0.01349(aR)
6 alpha-BHC	4.891	4.875	0.016	38427	0.00180	0.001805(a)
7 gamma-BHC (Lindane)	5.144	5.135	0.009	76878	0.00391	0.003915(a)
8 beta-BHC	5.306	5.296	0.010	38135	0.00392	0.003920(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.491	5.491	0.000	26974	0.00137	0.001375(a)
12 Heptachlor	5.608	5.602	0.006	19583	0.00123	0.001228(a)
17 Aldrin	5.856	5.878	-0.022	15752	9e-004	0.0009082(a)
20 Heptachlor epoxide	6.211	6.236	-0.025	6535	4e-004	0.0004309(a)
24 gamma-Chlordane	6.460	6.453	0.007	9449	6.e-004	0.0006020(a)
25 alpha-Chlordane	6.497	6.520	-0.023	17450	0.00115	0.001149(a)
26 Endosulfan I	6.591	6.562	0.029	12013	9e-004	0.0008652(a)
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	6.779	6.801	-0.022	4673	3e-004	0.0003054(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	Compound Not Detected.					
31 4,4'-DDD	7.134	7.133	0.001	6468	3e-004	0.0003272(a)
32 Endosulfan II	7.176	7.197	-0.021	6691	5e-004	0.0005194(a)
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	7.382	7.412	-0.030	14493	0.00264	0.002640(aM)
35 Endosulfan sulfate	7.521	7.524	-0.003	6427	6e-004	0.0005535(aM)
36 Methoxychlor	7.837	7.853	-0.016	6431	0.00140	0.001397(aM)
37 Endrin ketone	7.937	7.957	-0.020	9885	1e-003	0.0009792(aM)
$ 39 DCB Decachlorobiphenyl (Surr)	9.555	9.557	-0.002	101696	0.01426	0.01426

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000993.D
Report Date: 27-Mar-2013 08:42

QC Flag Legend

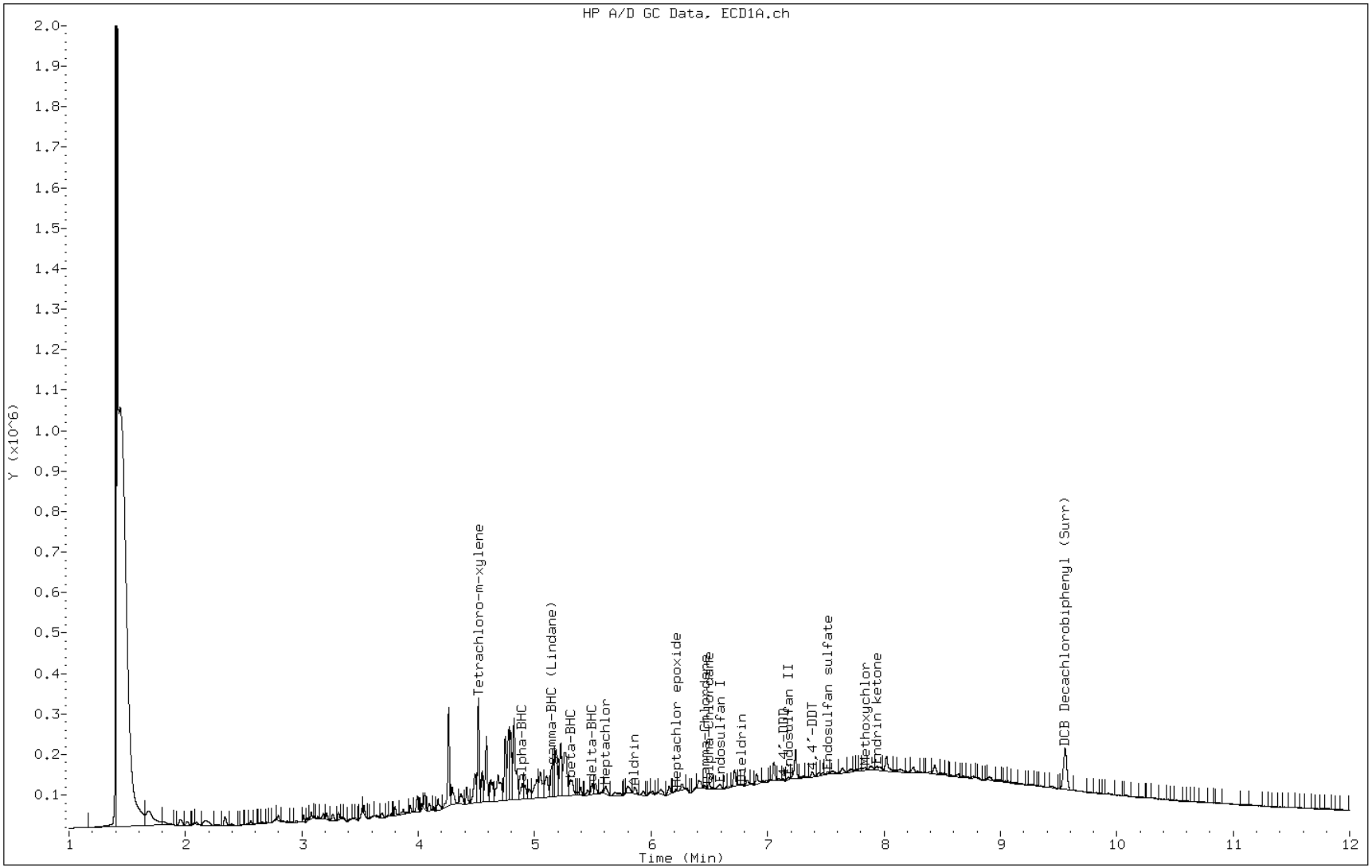
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: AQ0313000993.D

Date: 26-MAR-2013 21:03

Client ID: INFLUENT Instrument: gc15.i

Sample Info: 460-52642-f-1-a,2013.b Operator: 402331



Manual Integration Report

Data File: AQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 34 4,4'-DDT
CAS #: 50-29-3
Report Date: 03/27/2013

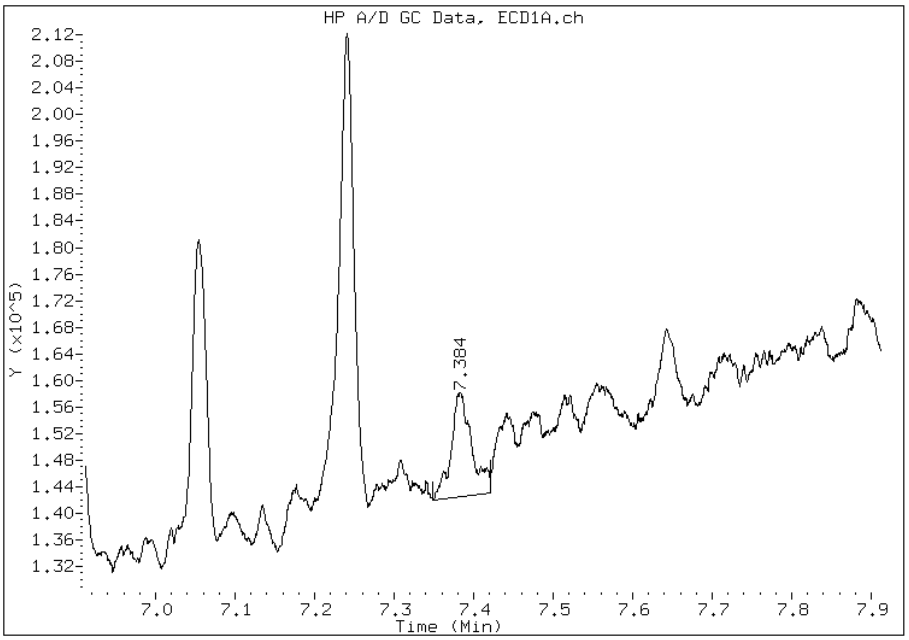
Processing Integration Results

RT: 7.38

Response: 15637

Amount: 0.00

Conc: 0.00



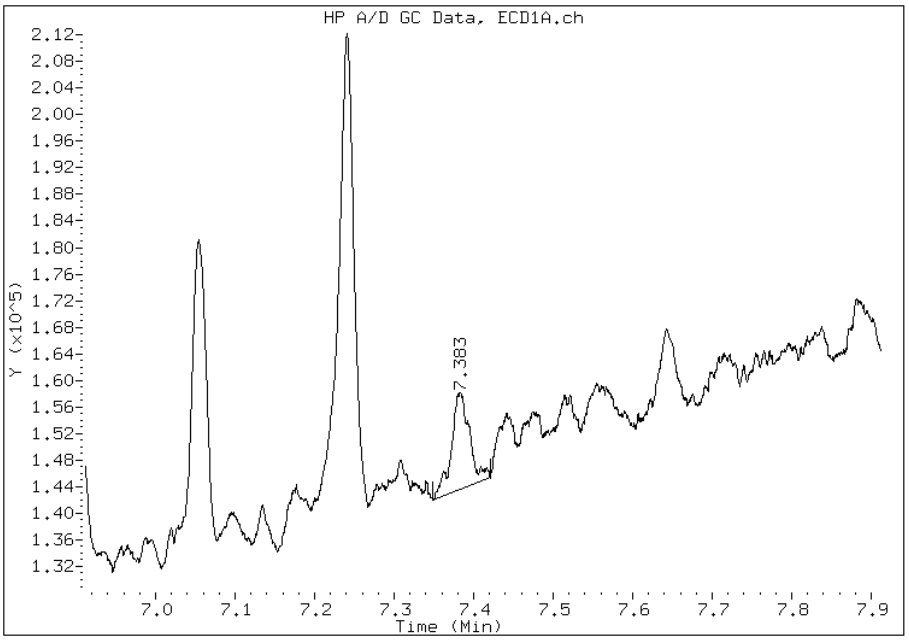
Manual Integration Results

RT: 7.38

Response: 14493

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 08:41
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: AQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 35 Endosulfan sulfate
CAS #: 1031-07-8
Report Date: 03/27/2013

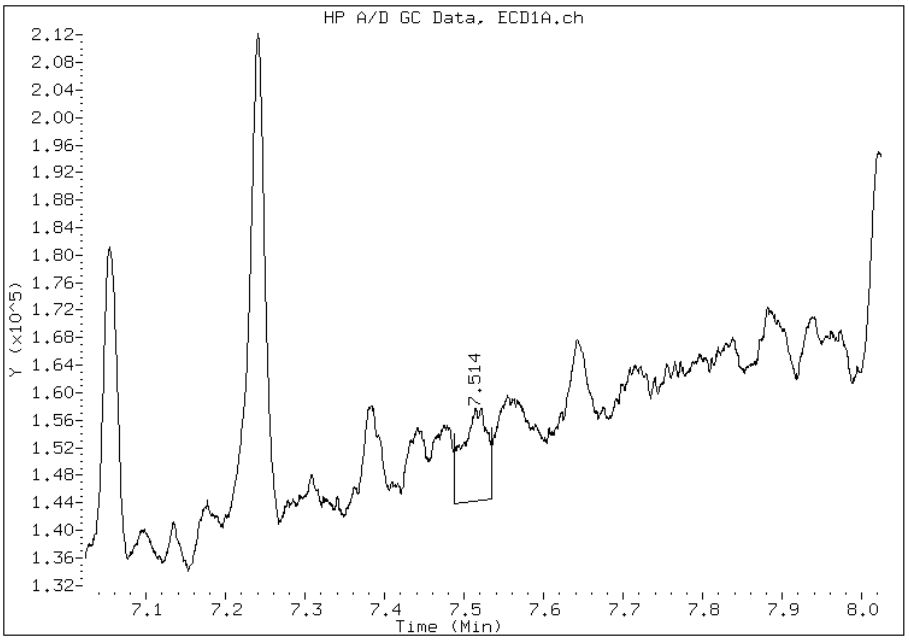
Processing Integration Results

RT: 7.51

Response: 13484

Amount: 0.00

Conc: 0.00



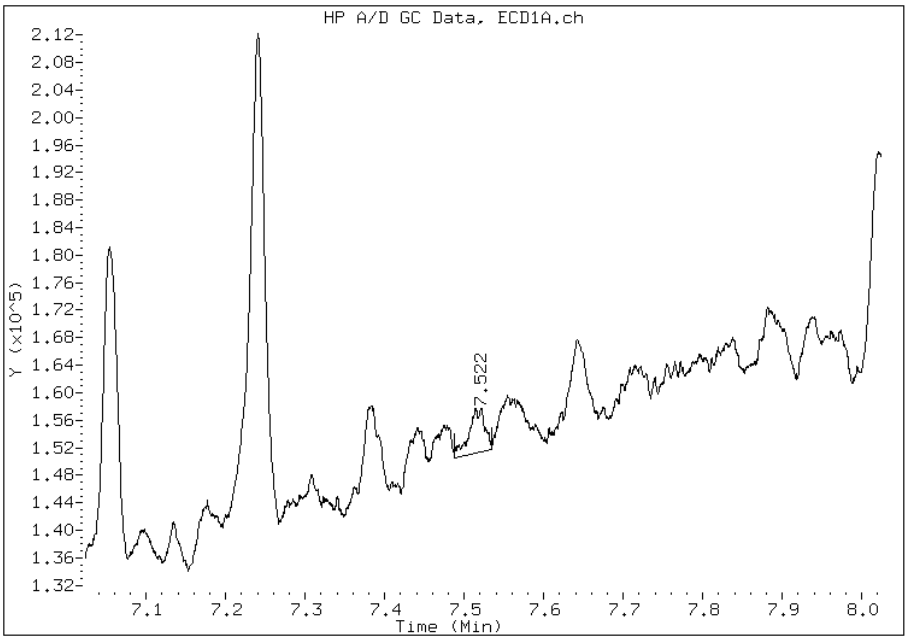
Manual Integration Results

RT: 7.52

Response: 6427

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 08:41
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: AQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 36 Methoxychlor
CAS #: 72-43-5
Report Date: 03/27/2013

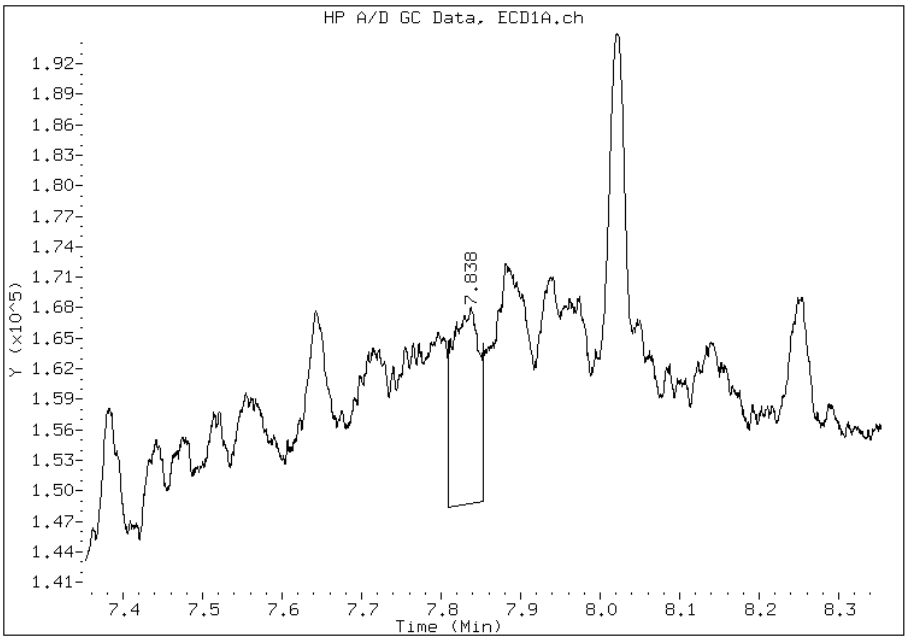
Processing Integration Results

RT: 7.84

Response: 19325

Amount: 0.00

Conc: 0.00



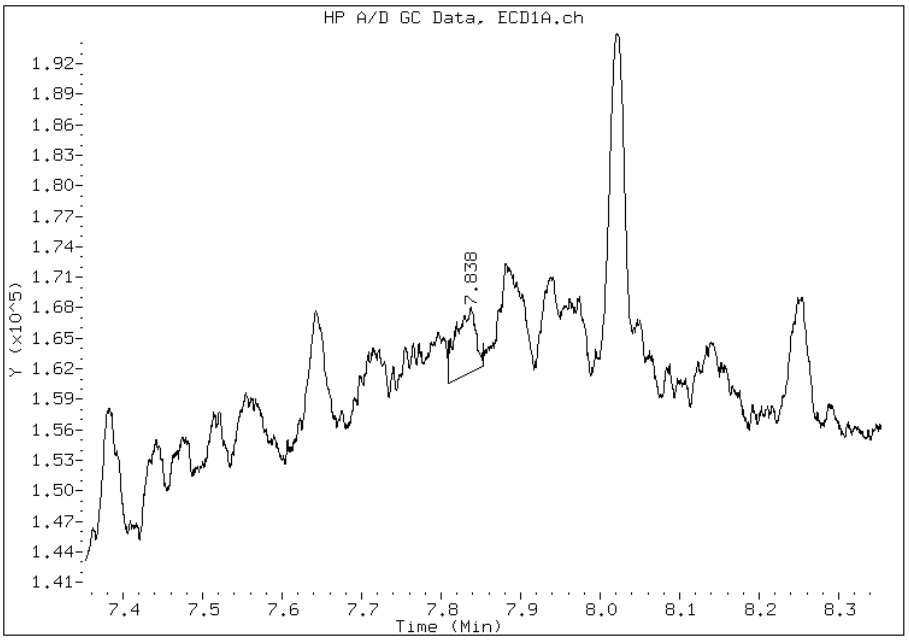
Manual Integration Results

RT: 7.84

Response: 6431

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 08:42
Manual Integration Reason: Baseline Event

FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Matrix: Water
Lab File ID: BQ0313000993.D
Analysis Method: 608
Date Collected: 03/20/2013 06:30
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 980(mL)
Date Analyzed: 03/26/2013 21:03
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.0013	0.00085
319-85-7	beta-BHC	ND		0.0013	0.0010
319-86-8	delta-BHC	0.00078	J p	0.0013	0.00039
50-29-3	4,4'-DDT	0.0019		0.0013	0.00076
76-44-8	Heptachlor	0.0014		0.0013	0.0010
72-43-5	Methoxychlor	ND		0.0026	0.00093

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	70		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000993.D
Report Date: 27-Mar-2013 09:01

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000993.D
Lab Smp Id: 460-52642-F-1-A Client Smp ID: INFLUENT
Inj Date : 26-MAR-2013 21:03
Operator : 402331 Inst ID: gc15.i
Smp Info : 460-52642-f-1-a,2013.b
Misc Info : 460-52642-F-1-A
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:58 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.594	4.594	0.000	241439	0.01523	0.01523(aRM)
6 alpha-BHC	5.036	5.060	-0.024	113552	0.00870	0.008702(aM)
7 gamma-BHC (Lindane)	5.379	5.361	0.018	43191	0.00319	0.003188(aM)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	Compound Not Detected.					
11 Heptachlor	5.695	5.677	0.018	14414	0.00133	0.001327(aM)
13 delta-BHC	5.827	5.833	-0.006	9846	0.00076	0.0007603(aM)
17 Aldrin	Compound Not Detected.					
21 Heptachlor epoxide	6.373	6.397	-0.024	6229	2e-004	0.0002228(aM)
24 gamma-Chlordane	6.639	6.625	0.014	6580	5e-004	0.0005312(aM)
25 alpha-Chlordane	6.683	6.685	-0.002	9551	8e-004	0.0007835(aM)
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	6.838	6.832	0.006	6976	8e-006	0.000007717(aM)
28 Dieldrin	6.984	6.999	-0.015	17332	0.00145	0.001454(aM)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.288	7.267	0.021	3707		(aM)
30 4,4'-DDD	7.345	7.355	-0.010	10097	8e-004	0.0007587(aM)
32 Endosulfan II	7.565	7.537	0.028	2779		(aM)
33 4,4'-DDT	7.616	7.600	0.016	6226	0.00191	0.001910(aM)
34 Endrin aldehyde	7.681	7.706	-0.025	6690	6e-004	0.0006308(aM)
35 Endosulfan sulfate	Compound Not Detected.					
36 Methoxychlor	Compound Not Detected.					
38 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	9.986	9.985	0.001	75346	0.01401	0.01400

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000993.D
Report Date: 27-Mar-2013 09:01

QC Flag Legend

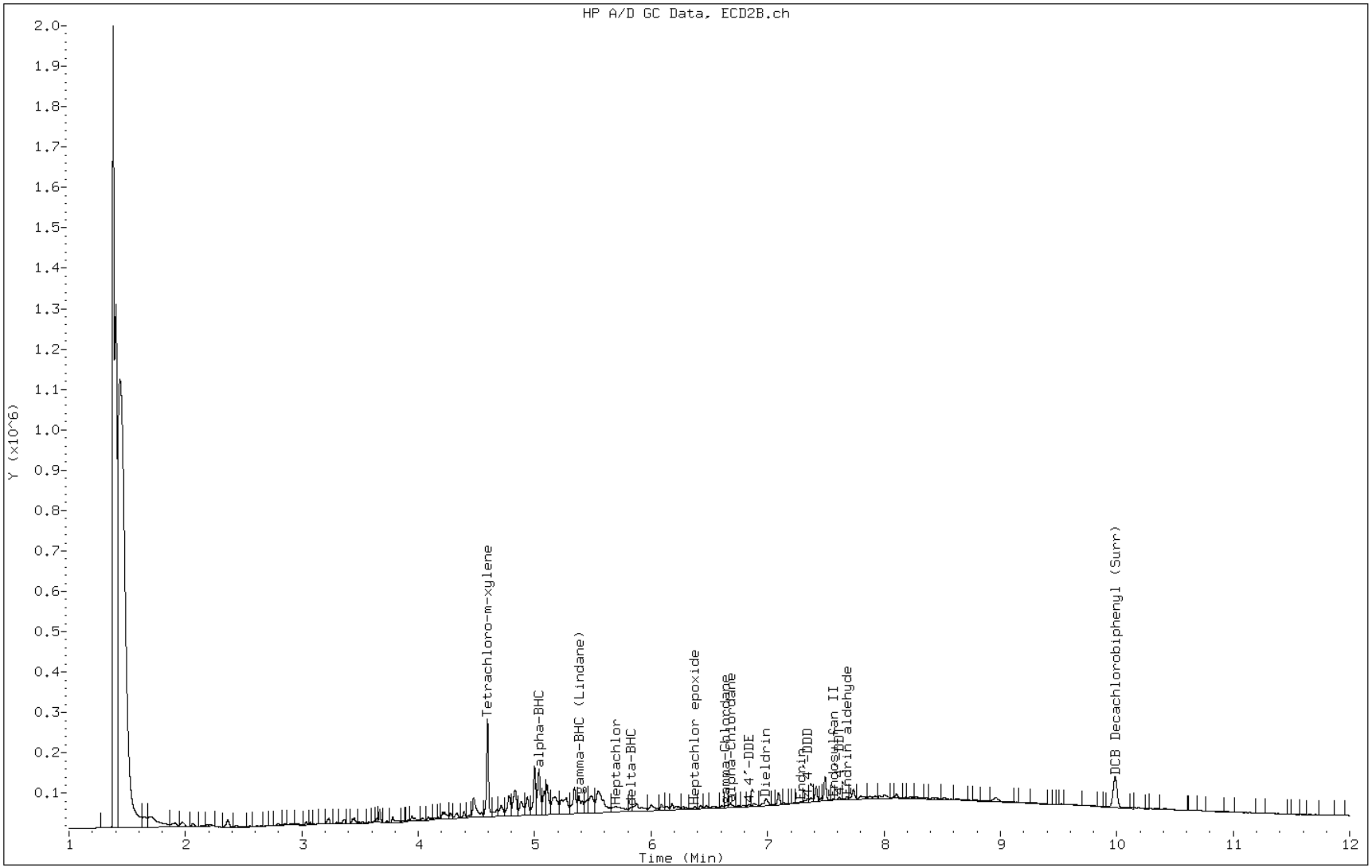
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: BQ0313000993.D

Date: 26-MAR-2013 21:03

Client ID: INFLUENT Instrument: gc15.i

Sample Info: 460-52642-f-1-a,2013.b Operator: 402331



Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 6 alpha-BHC
CAS #: 319-84-6
Report Date: 03/27/2013

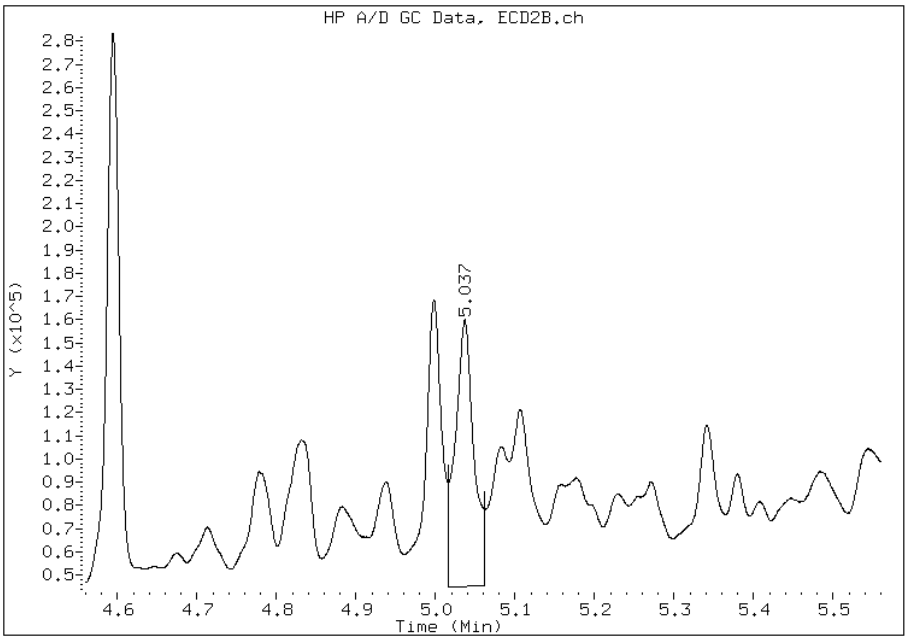
Processing Integration Results

RT: 5.04

Response: 115375

Amount: 0.01

Conc: 0.01



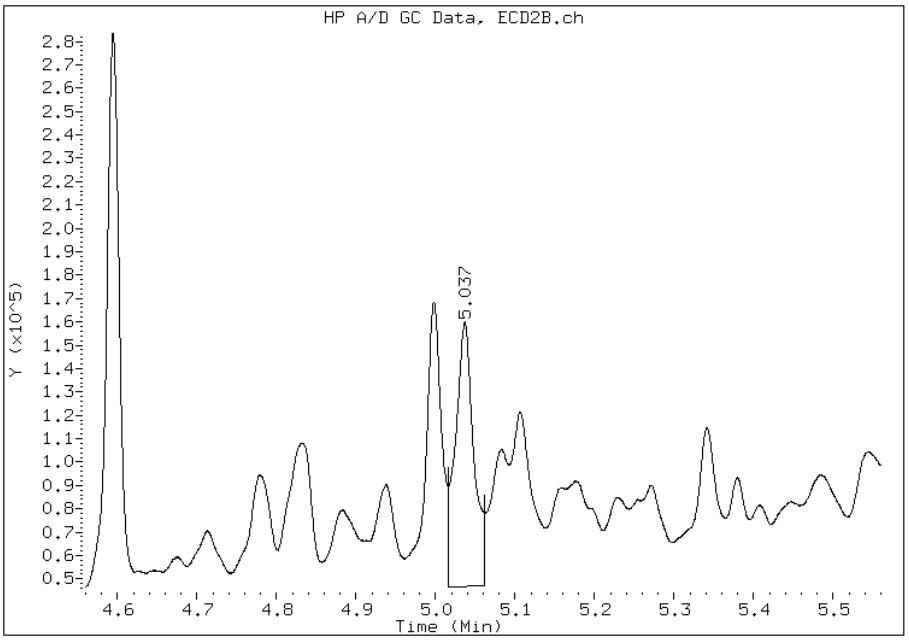
Manual Integration Results

RT: 5.04

Response: 113552

Amount: 0.01

Conc: 0.01



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 7 gamma-BHC (Lindane)
CAS #: 58-89-9
Report Date: 03/27/2013

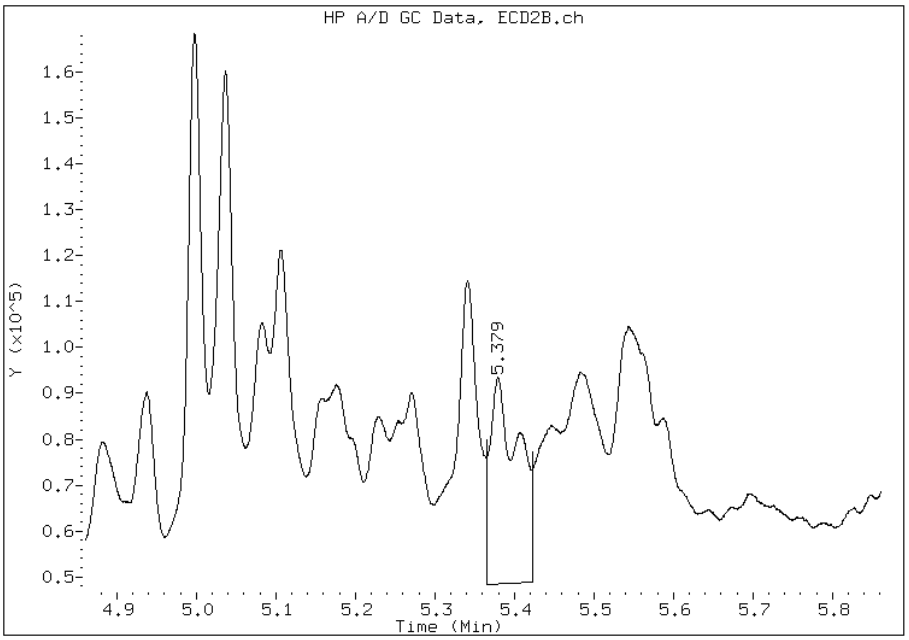
Processing Integration Results

RT: 5.38

Response: 45160

Amount: 0.00

Conc: 0.00



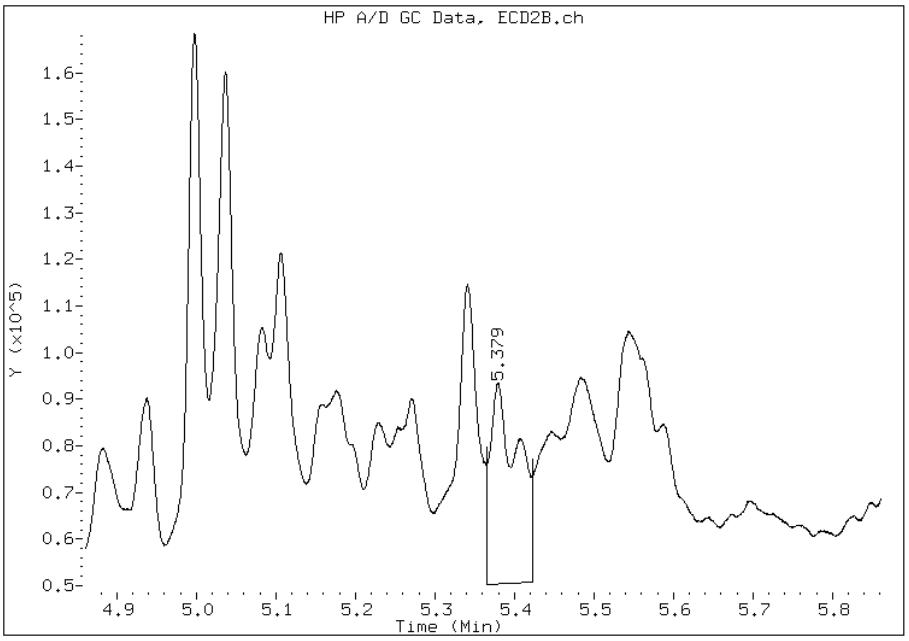
Manual Integration Results

RT: 5.38

Response: 43191

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 13 delta-BHC
CAS #: 319-86-8
Report Date: 03/27/2013

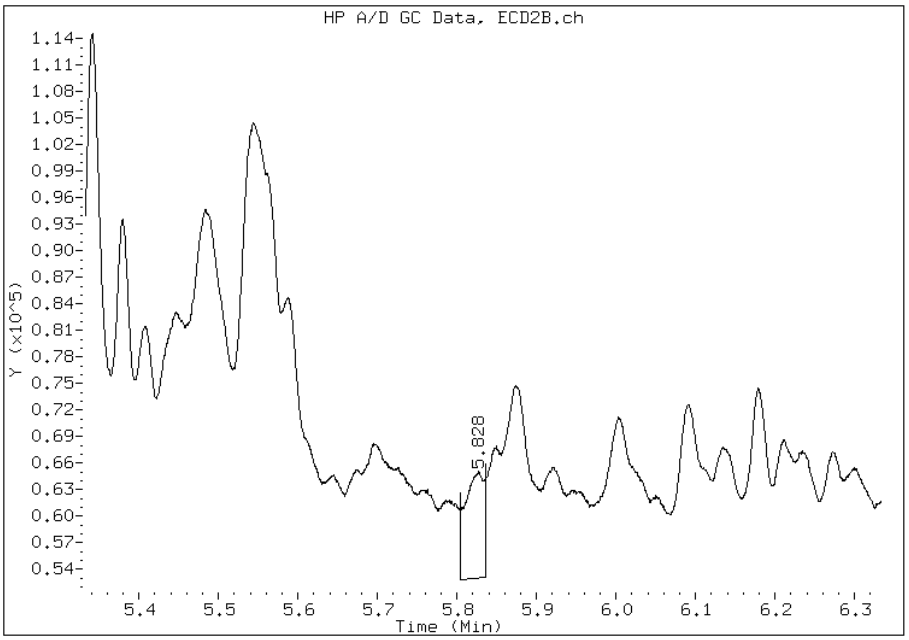
Processing Integration Results

RT: 5.83

Response: 12005

Amount: 0.00

Conc: 0.00



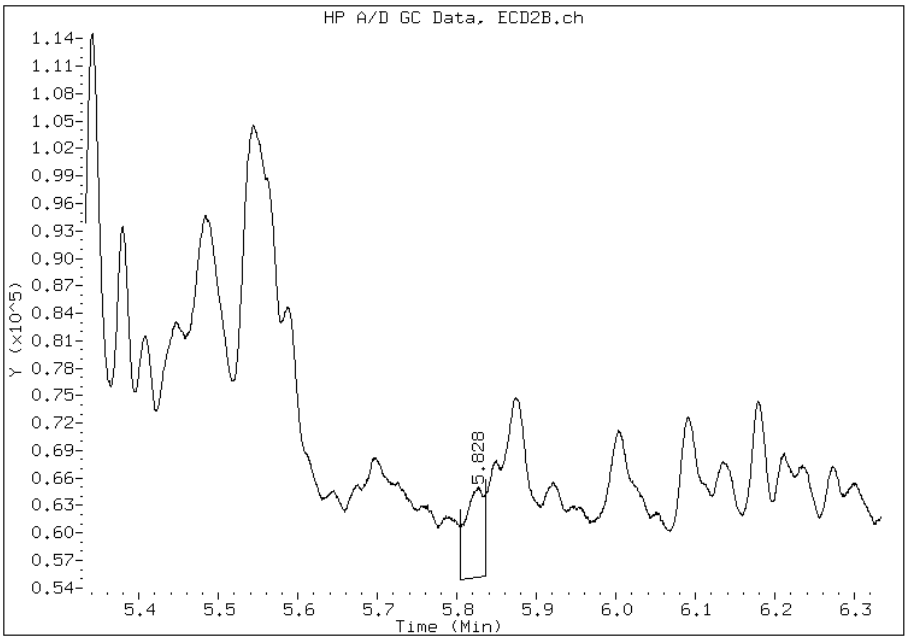
Manual Integration Results

RT: 5.83

Response: 9846

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 30 4,4'-DDD
CAS #: 72-54-8
Report Date: 03/27/2013

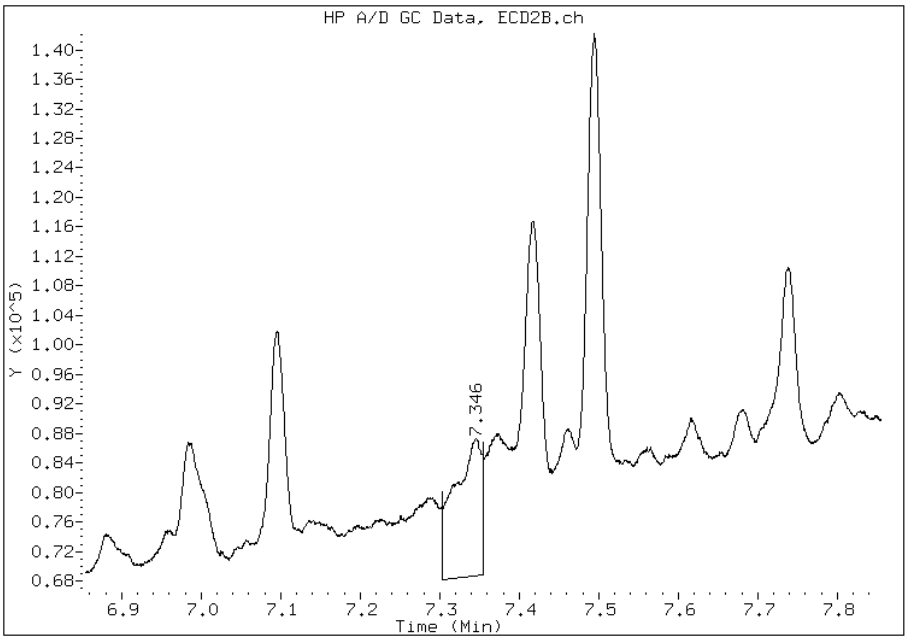
Processing Integration Results

RT: 7.35

Response: 18622

Amount: 0.00

Conc: 0.00



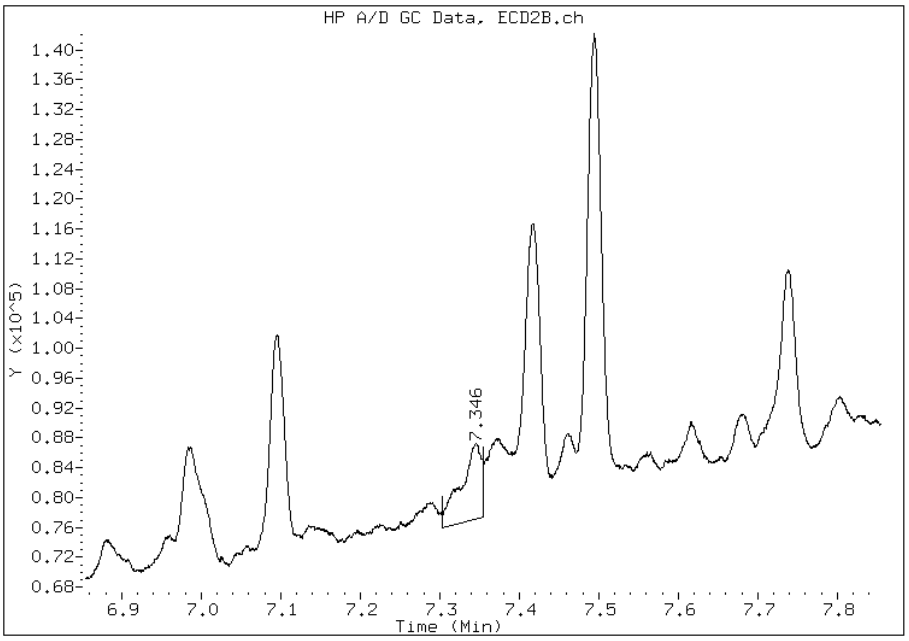
Manual Integration Results

RT: 7.35

Response: 10097

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 27 4,4'-DDE
CAS #: 72-55-9
Report Date: 03/27/2013

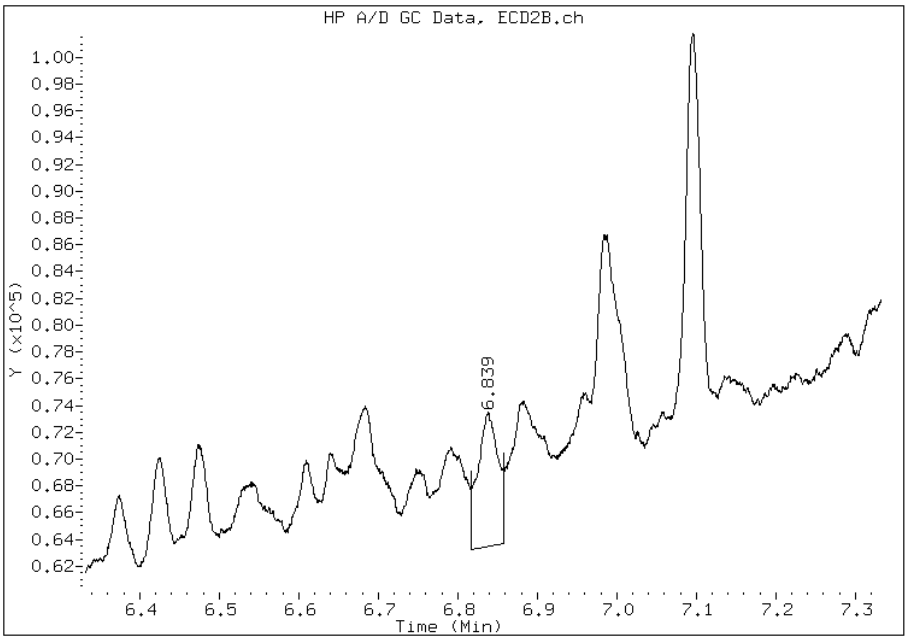
Processing Integration Results

RT: 6.84

Response: 10056

Amount: 0.00

Conc: 0.00



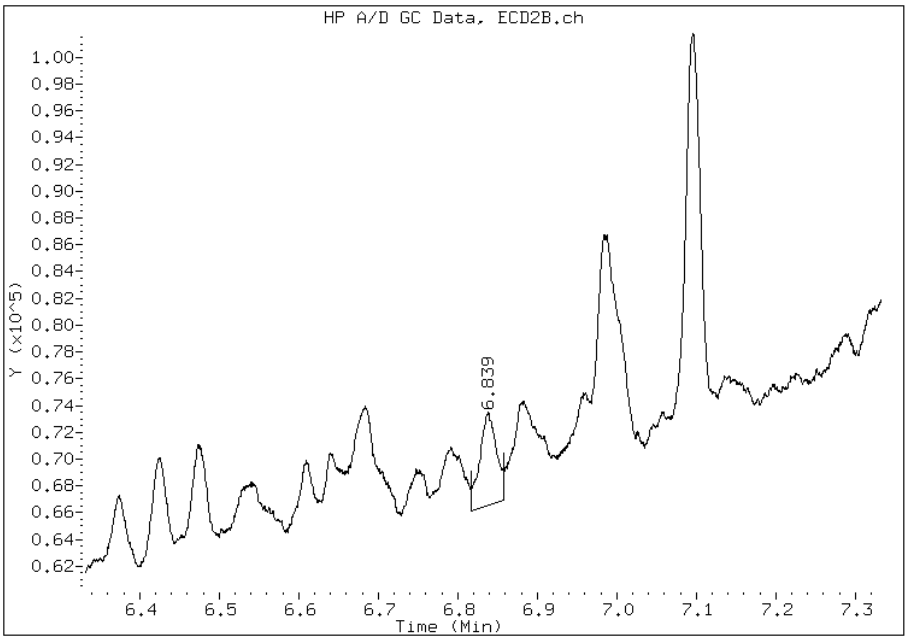
Manual Integration Results

RT: 6.84

Response: 6976

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 33 4,4'-DDT
CAS #: 50-29-3
Report Date: 03/27/2013

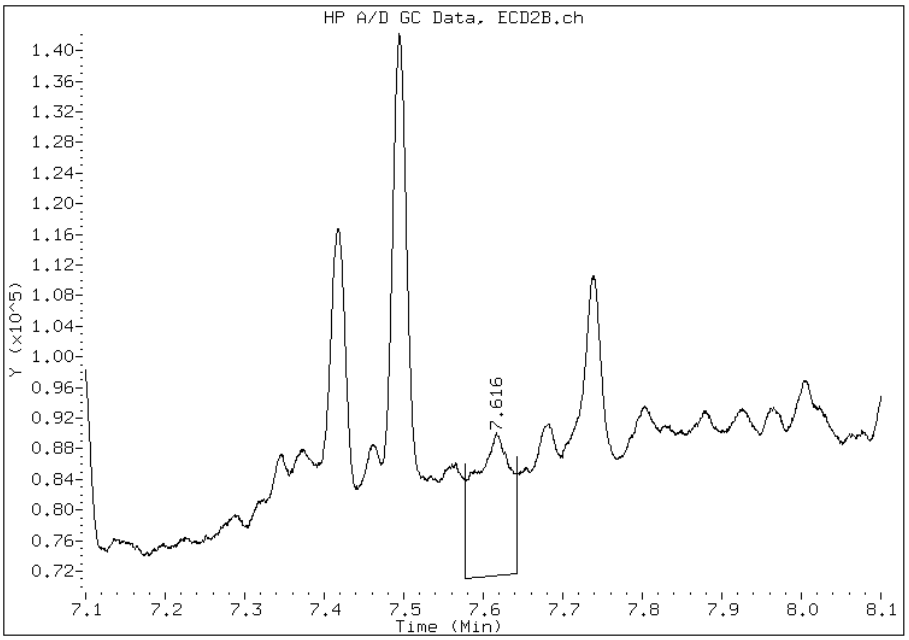
Processing Integration Results

RT: 7.62

Response: 18679

Amount: 0.00

Conc: 0.00



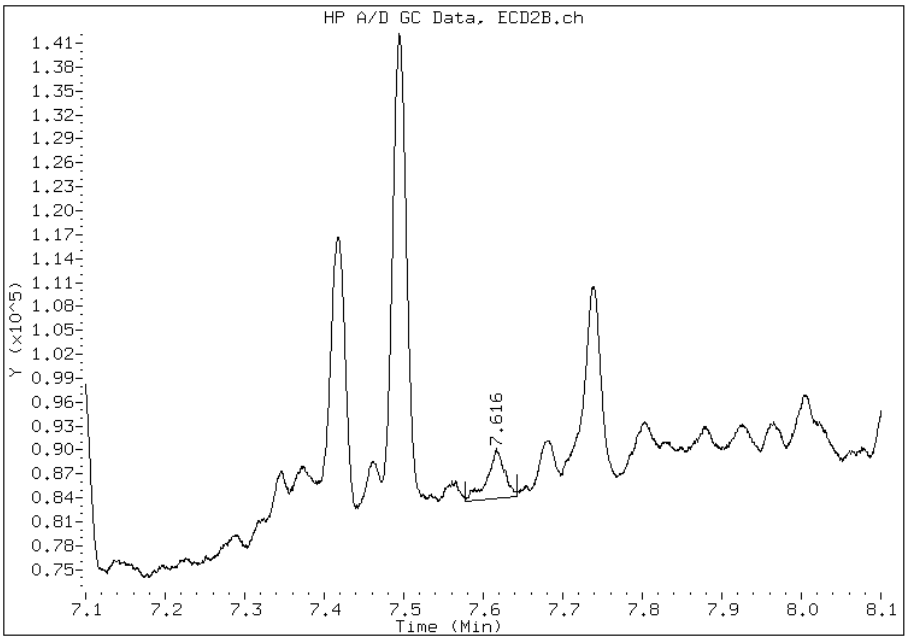
Manual Integration Results

RT: 7.62

Response: 6226

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 28 Dieldrin
CAS #: 60-57-1
Report Date: 03/27/2013

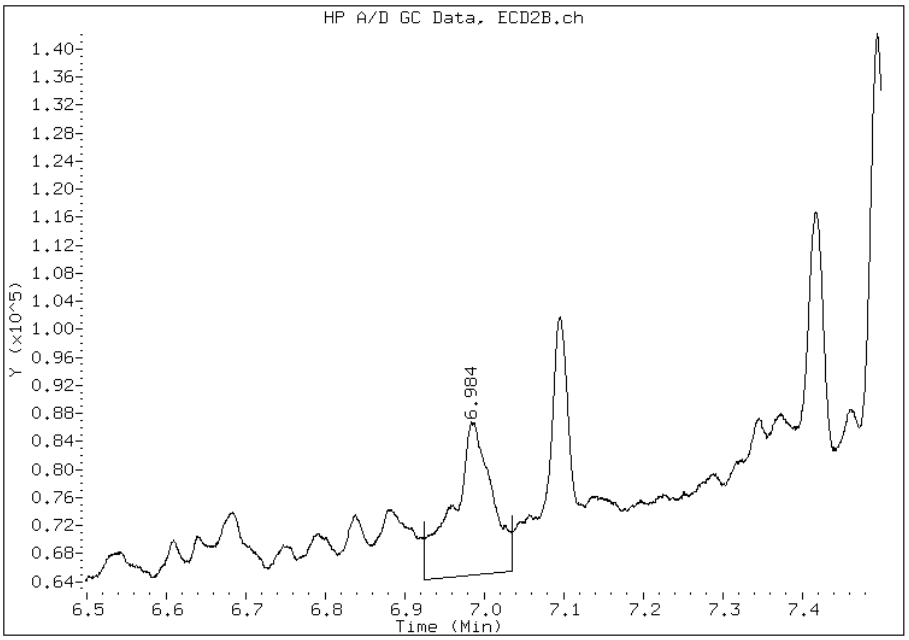
Processing Integration Results

RT: 6.98

Response: 21782

Amount: 0.00

Conc: 0.00



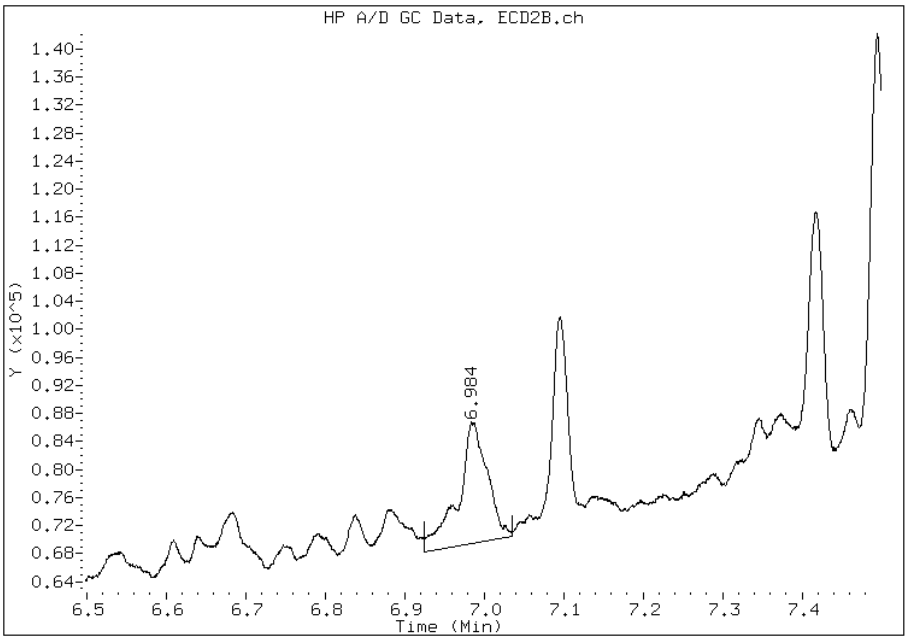
Manual Integration Results

RT: 6.98

Response: 17332

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 32 Endosulfan II
CAS #: 33213-65-9
Report Date: 03/27/2013

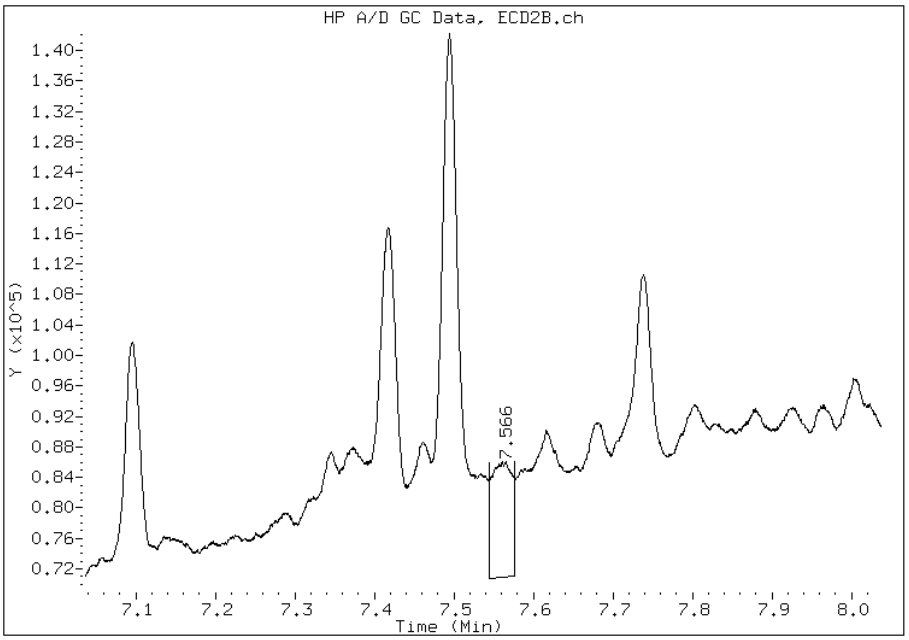
Processing Integration Results

RT: 7.57

Response: 15145

Amount: 0.00

Conc: 0.00



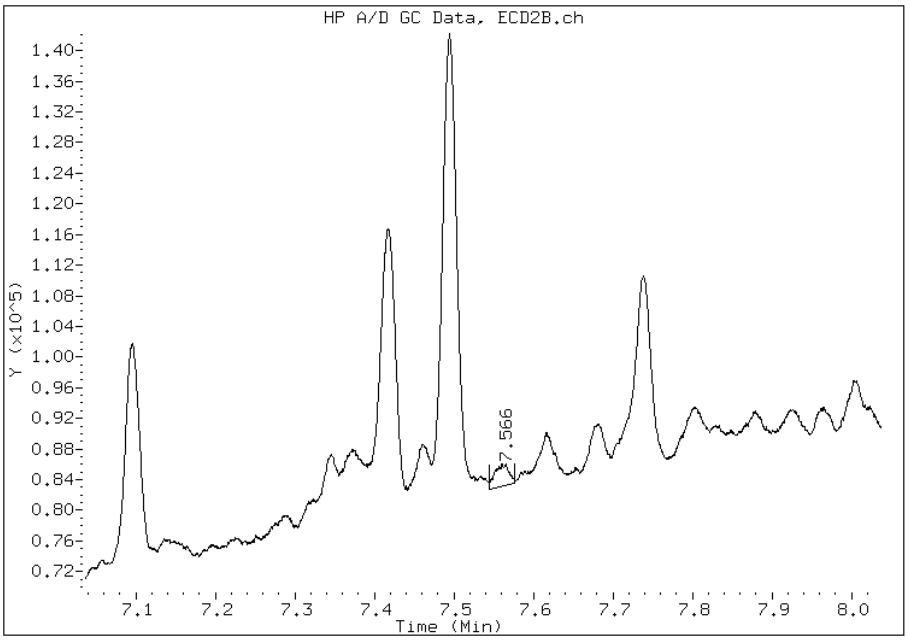
Manual Integration Results

RT: 7.57

Response: 2779

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 29 Endrin
CAS #: 72-20-8
Report Date: 03/27/2013

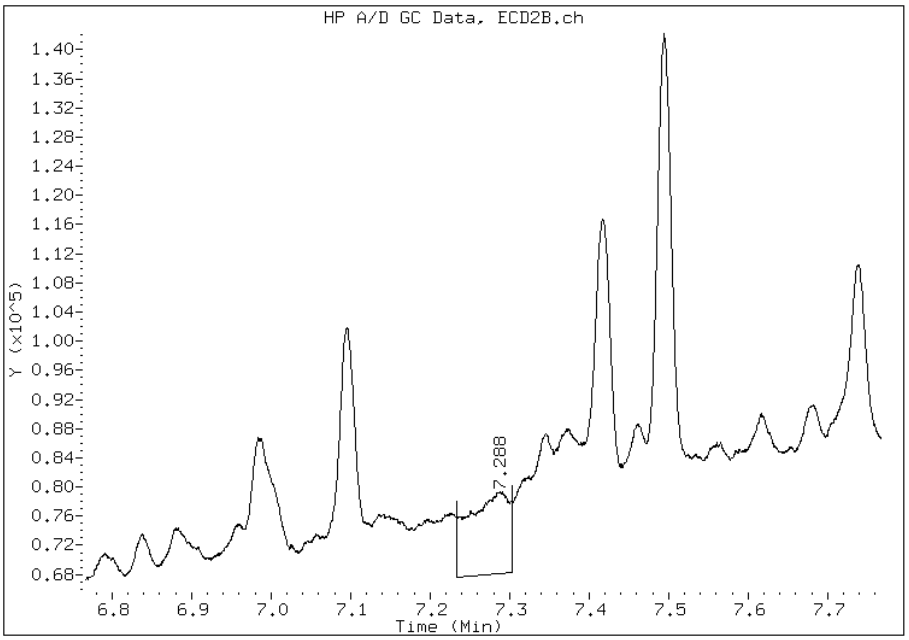
Processing Integration Results

RT: 7.29

Response: 11259

Amount: 0.00

Conc: 0.00



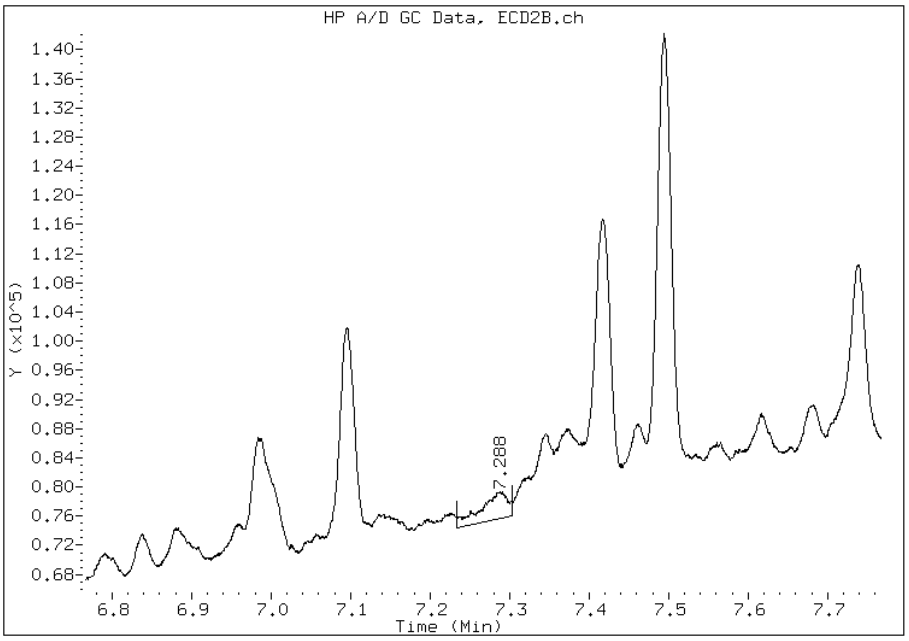
Manual Integration Results

RT: 7.29

Response: 3707

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 34 Endrin aldehyde
CAS #: 7421-93-4
Report Date: 03/27/2013

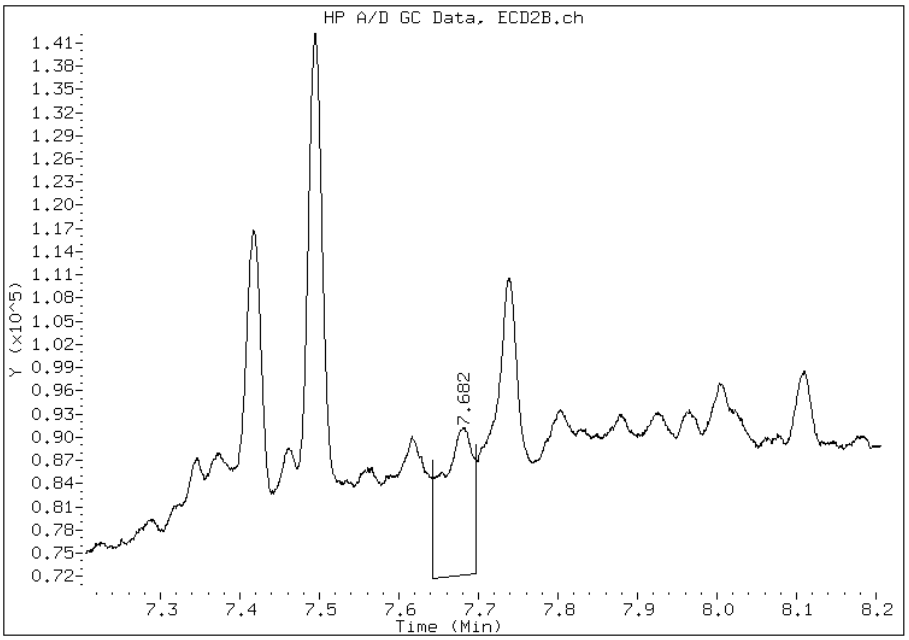
Processing Integration Results

RT: 7.68

Response: 19027

Amount: 0.00

Conc: 0.00



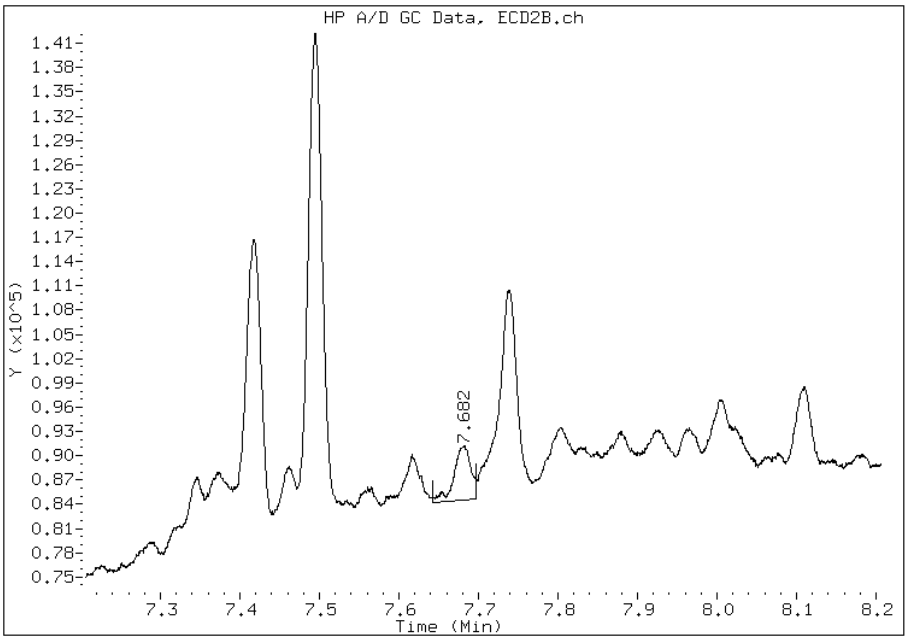
Manual Integration Results

RT: 7.68

Response: 6690

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 11 Heptachlor
CAS #: 76-44-8
Report Date: 03/27/2013

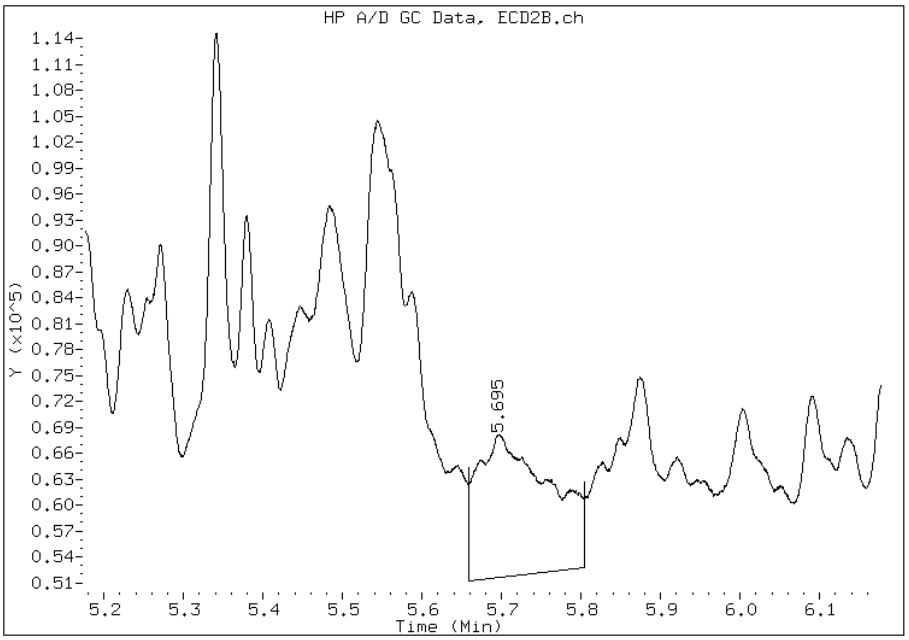
Processing Integration Results

RT: 5.70

Response: 16517

Amount: 0.00

Conc: 0.00



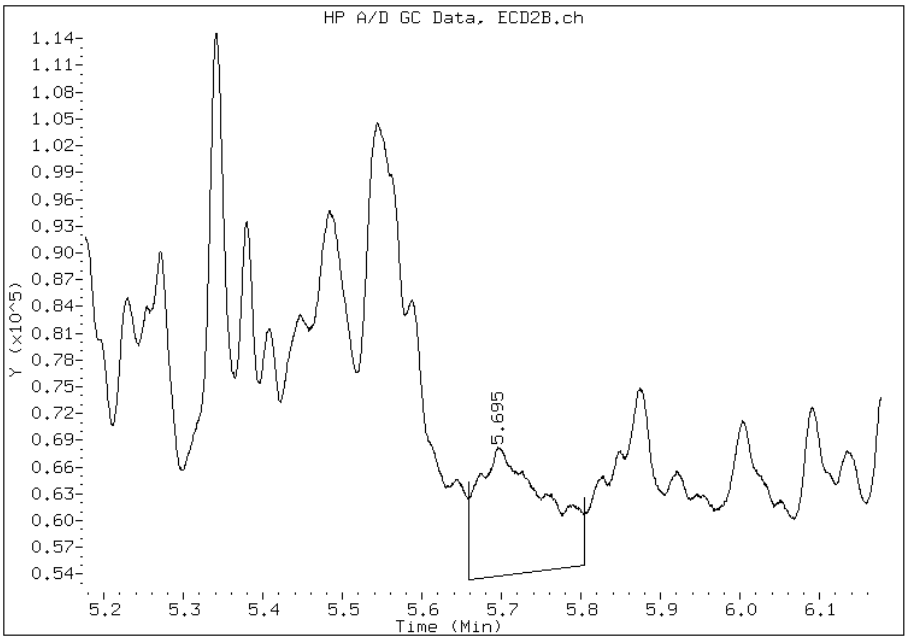
Manual Integration Results

RT: 5.70

Response: 14414

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 21 Heptachlor epoxide
CAS #: 1024-57-3
Report Date: 03/27/2013

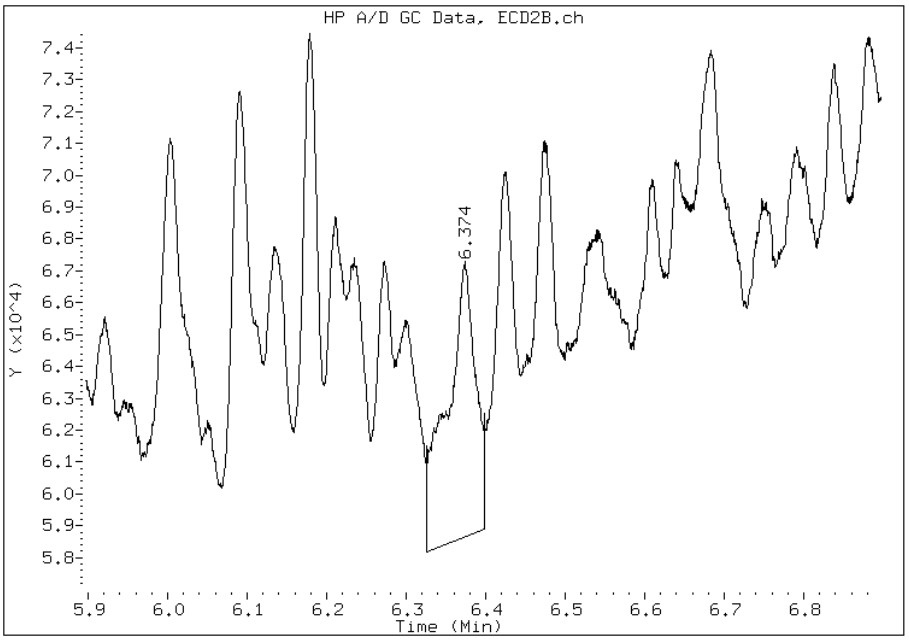
Processing Integration Results

RT: 6.37

Response: 8620

Amount: 0.00

Conc: 0.00



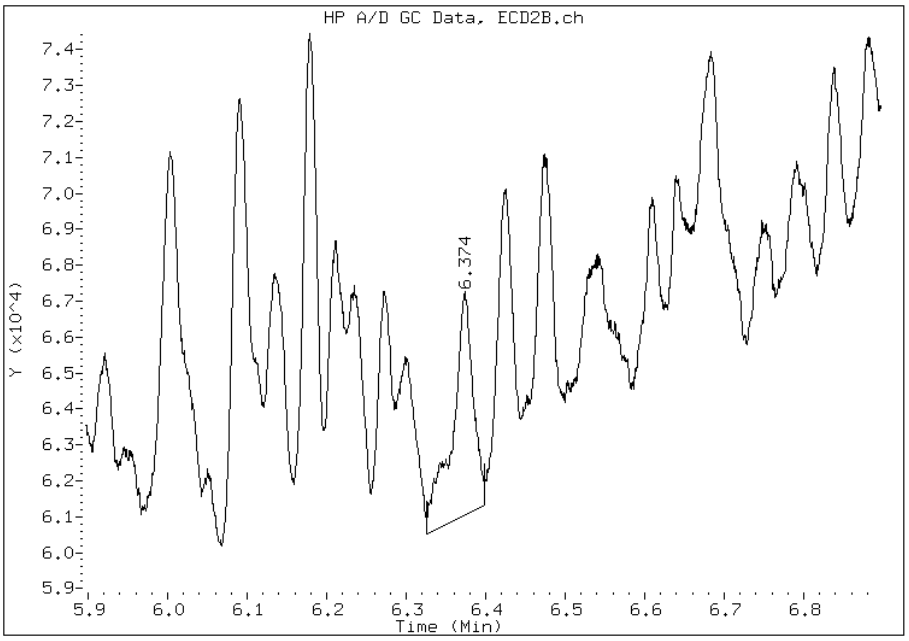
Manual Integration Results

RT: 6.37

Response: 6229

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 4 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 03/27/2013

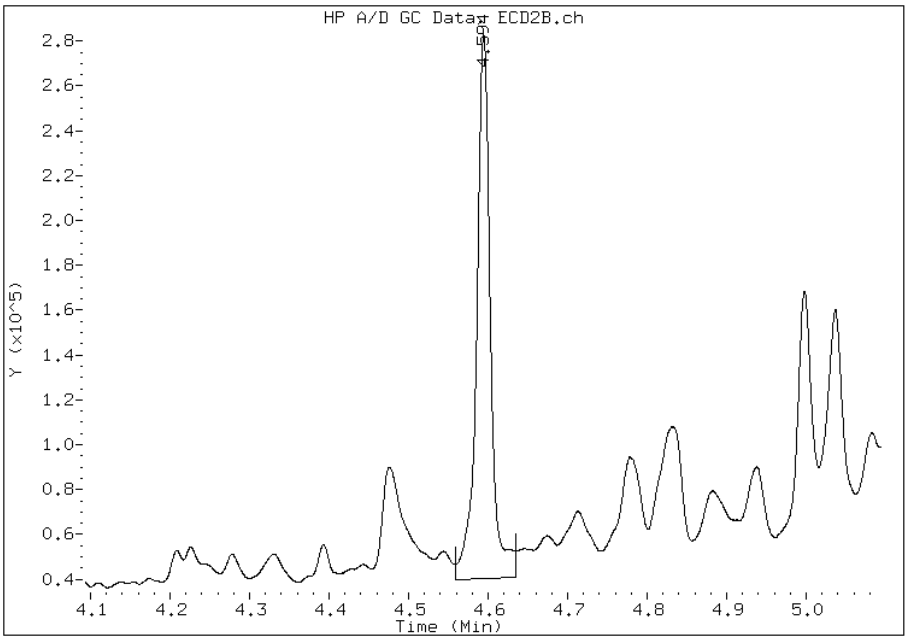
Processing Integration Results

RT: 4.59

Response: 243073

Amount: 0.02

Conc: 0.02



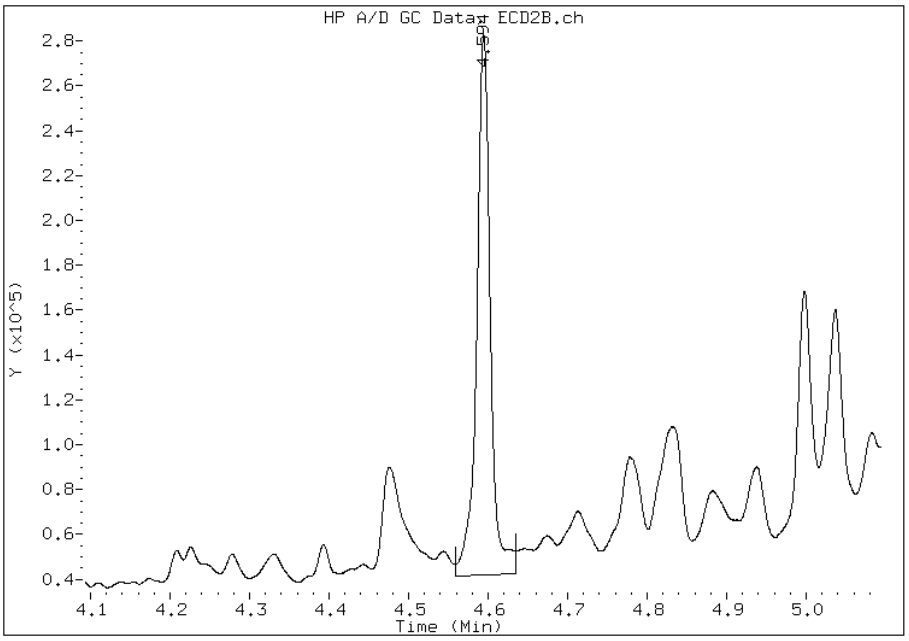
Manual Integration Results

RT: 4.59

Response: 241439

Amount: 0.02

Conc: 0.02



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8802

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	AQ0313000603.D
Level 2	IC 180-66746/5	AQ0313000604.D
Level 3	IC 180-66746/6	AQ0313000605.D
Level 4	IC 180-66746/7	AQ0313000606.D
Level 5	IC 180-66746/8	AQ0313000607.D
Level 6	IC 180-66746/9	AQ0313000608.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Mirex	8.360	8.361	8.362	8.362	8.360	8.361					8.332 - 8.392	8.361

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8802

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	AQ0313000603.D
Level 2	IC 180-66746/5	AQ0313000604.D
Level 3	IC 180-66746/6	AQ0313000605.D
Level 4	IC 180-66746/7	AQ0313000606.D
Level 5	IC 180-66746/8	AQ0313000607.D
Level 6	IC 180-66746/9	AQ0313000608.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Mirex	4499000 4605610	4531800 4644030	4015920	3960560	Qua	0.00124061	2.2842 E-007	-1.61583 E-014					10.0	0.9989		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8802

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	AQ0313000603.D
Level 2	IC 180-66746/5	AQ0313000604.D
Level 3	IC 180-66746/6	AQ0313000605.D
Level 4	IC 180-66746/7	AQ0313000606.D
Level 5	IC 180-66746/8	AQ0313000607.D
Level 6	IC 180-66746/9	AQ0313000608.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Mirex	Qua	4499 928806	22659	100398	198028	460561	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:

Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8806

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	BQ0313000603.D
Level 2	IC 180-66746/5	BQ0313000604.D
Level 3	IC 180-66746/6	BQ0313000605.D
Level 4	IC 180-66746/7	BQ0313000606.D
Level 5	IC 180-66746/8	BQ0313000607.D
Level 6	IC 180-66746/9	BQ0313000608.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Mirex	8.643	8.644	8.644	8.645	8.644	8.645					8.614 - 8.674	8.644

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8806

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	BQ0313000603.D
Level 2	IC 180-66746/5	BQ0313000604.D
Level 3	IC 180-66746/6	BQ0313000605.D
Level 4	IC 180-66746/7	BQ0313000606.D
Level 5	IC 180-66746/8	BQ0313000607.D
Level 6	IC 180-66746/9	BQ0313000608.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Mirex	2958000 3213630	3053200 3254040	2774080	2702280	Qua	0.00146530	3.29297 E-007	-3.86373 E-014					10.0	0.9987		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8806

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	BQ0313000603.D
Level 2	IC 180-66746/5	BQ0313000604.D
Level 3	IC 180-66746/6	BQ0313000605.D
Level 4	IC 180-66746/7	BQ0313000606.D
Level 5	IC 180-66746/8	BQ0313000607.D
Level 6	IC 180-66746/9	BQ0313000608.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Mirex	Qua	2958 650808	15266	69352	135114	321363	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:

Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8914

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	AQ0313000966.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	6.950										6.920 - 6.980	6.950
Toxaphene Peak 2	7.209										7.179 - 7.239	7.209
Toxaphene Peak 3	7.435										7.405 - 7.465	7.435
Toxaphene Peak 4	7.895										7.865 - 7.925	7.895
Tetrachloro-m-xylene	4.516										4.486 - 4.546	4.516
DCB Decachlorobiphenyl (Surr)	9.556										9.507 - 9.607	9.556

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8914

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	AQ0313000966.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	205889				Ave		205889.000						10.0			
Toxaphene Peak 2	278942				Ave		278942.000						10.0			
Toxaphene Peak 3	393334				Ave		393334.000						10.0			
Toxaphene Peak 4	383625				Ave		383625.000						10.0			
Tetrachloro-m-xylene	17696840				Ave		19085391.7				5.8		10.0			
DCB Decachlorobiphenyl	6494520				Qua	--0.0003302	1.42575 E-007	9.10999 E-015					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8914

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	AQ0313000966.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	205889					1.00				
Toxaphene Peak 2	Ave	278942					1.00				
Toxaphene Peak 3	Ave	393334					1.00				
Toxaphene Peak 4	Ave	383625					1.00				
Tetrachloro-m-xylene	Ave	442421					0.0250				
DCB Decachlorobiphenyl (Surr)	Qua	162363					0.0250				

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	BQ0313000966.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	6.947										6.917 - 6.977	6.947
Toxaphene Peak 2	7.536										7.506 - 7.566	7.536
Toxaphene Peak 3	7.817										7.787 - 7.847	7.817
Toxaphene Peak 4	8.337										8.307 - 8.367	8.337
Tetrachloro-m-xylene	4.594										4.564 - 4.624	4.594
DCB Decachlorobiphenyl (Surr)	9.987										9.955 - 10.015	9.987

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	BQ0313000966.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	101116				Ave		101116.000						10.0			
Toxaphene Peak 2	202489				Ave		202489.000						10.0			
Toxaphene Peak 3	280114				Ave		280114.000						10.0			
Toxaphene Peak 4	201568				Ave		201568.000						10.0			
Tetrachloro-m-xylene	15106720				Ave		15853081.7				8.8		10.0			
DCB Decachlorobiphenyl	4925680				Qua	--0.000292	1.87761 E-007	2.64658 E-014					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	BQ0313000966.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	101116					1.00				
Toxaphene Peak 2	Ave	202489					1.00				
Toxaphene Peak 3	Ave	280114					1.00				
Toxaphene Peak 4	Ave	201568					1.00				
Tetrachloro-m-xylene	Ave	377668					0.0250				
DCB Decachlorobiphenyl (Surr)	Qua	123142					0.0250				

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	AQ0313000967.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Chlordane (technical) Peak 1	5.429										5.399 - 5.459	5.429
Chlordane (technical) Peak 2	5.602										5.572 - 5.632	5.602
Chlordane (technical) Peak 3	6.454										6.424 - 6.484	6.454
Chlordane (technical) Peak 4	6.524										6.494 - 6.554	6.524
Tetrachloro-m-xylene	4.517										4.486 - 4.546	4.517
DCB Decachlorobiphenyl (Surr)	9.556										9.507 - 9.607	9.556

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	AQ0313000967.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Chlordane (technical) Peak	620140				Ave		620140.000						10.0			
Chlordane (technical) Peak	748504				Ave		748504.000						10.0			
Chlordane (technical) Peak	2026328				Ave		2026328.00						10.0			
Chlordane (technical) Peak	2108416				Ave		2108416.00						10.0			
Tetrachloro-m-xylene	17766440				Ave		19085391.7				5.8		10.0			
DCB Decachlorobiphenyl	6519440				Qua	--0.0003302	1.42575 E-007	9.10999 E-015					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	AQ0313000967.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Chlordane (technical) Peak 1	Ave	155035					0.250				
Chlordane (technical) Peak 2	Ave	187126					0.250				
Chlordane (technical) Peak 3	Ave	506582					0.250				
Chlordane (technical) Peak 4	Ave	527104					0.250				
Tetrachloro-m-xylene	Ave	444161					0.0250				
DCB Decachlorobiphenyl (Surr)	Qua	162986					0.0250				

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8918

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	BQ0313000967.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Chlordane (technical) Peak 1	5.519										5.489 - 5.549	5.519
Chlordane (technical) Peak 2	5.678										5.648 - 5.708	5.678
Chlordane (technical) Peak 3	6.627										6.597 - 6.657	6.627
Chlordane (technical) Peak 4	6.686										6.656 - 6.716	6.686
Tetrachloro-m-xylene	4.594										4.564 - 4.624	4.594
DCB Decachlorobiphenyl (Surr)	9.986										9.955 - 10.015	9.986

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8918

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	BQ0313000967.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Chlordane (technical) Peak	488892				Ave		488892.000						10.0			
Chlordane (technical) Peak	496128				Ave		496128.000						10.0			
Chlordane (technical) Peak	1455464				Ave		1455464.00						10.0			
Chlordane (technical) Peak	1137532				Ave		1137532.00						10.0			
Tetrachloro-m-xylene	15071480				Ave		15853081.7				8.8		10.0			
DCB Decachlorobiphenyl	4800880				Qua	--0.000292	1.87761 E-007	2.64658 E-014					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8918

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	BQ0313000967.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Chlordane (technical) Peak 1	Ave	122223					0.250				
Chlordane (technical) Peak 2	Ave	124032					0.250				
Chlordane (technical) Peak 3	Ave	363866					0.250				
Chlordane (technical) Peak 4	Ave	284383					0.250				
Tetrachloro-m-xylene	Ave	376787					0.0250				
DCB Decachlorobiphenyl (Surr)	Qua	120022					0.0250				

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	AQ0313000968.D
Level 2	IC 180-67462/5	AQ0313000969.D
Level 3	ICRT 180-67462/6	AQ0313000970.D
Level 4	IC 180-67462/7	AQ0313000971.D
Level 5	IC 180-67462/8	AQ0313000972.D
Level 6	IC 180-67462/9	AQ0313000973.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.875	4.875	4.875	4.875	4.875	4.876					4.845 - 4.905	4.875
gamma-BHC (Lindane)	5.135	5.136	5.135	5.136	5.136	5.136					5.105 - 5.165	5.136
beta-BHC	5.296	5.297	5.296	5.297	5.297	5.297					5.266 - 5.326	5.297
delta-BHC	5.490	5.490	5.491	5.491	5.492	5.491					5.461 - 5.521	5.491
Heptachlor	5.601	5.602	5.602	5.602	5.602	5.602					5.572 - 5.632	5.602
Aldrin	5.878	5.878	5.878	5.879	5.879	5.879					5.848 - 5.908	5.879
Heptachlor epoxide	6.236	6.235	6.236	6.237	6.236	6.236					6.206 - 6.266	6.236
gamma-Chlordane	6.453	6.453	6.453	6.454	6.453	6.454					6.423 - 6.483	6.453
alpha-Chlordane	6.520	6.520	6.520	6.521	6.521	6.521					6.490 - 6.550	6.521
Endosulfan I	6.562	6.562	6.562	6.562	6.563	6.563					6.532 - 6.592	6.562
4,4'-DDE	6.676	6.677	6.677	6.678	6.678	6.677					6.647 - 6.707	6.677
Dieldrin	6.800	6.800	6.801	6.801	6.801	6.801					6.771 - 6.831	6.801
Endrin	7.000	6.999	6.999	7.001	7.001	7.001					6.969 - 7.029	7.000
4,4'-DDD	7.132	7.132	7.133	7.134	7.133	7.133					7.103 - 7.163	7.133
Endosulfan II	7.197	7.197	7.197	7.198	7.198	7.197					7.167 - 7.227	7.197
Endrin aldehyde	7.314	7.313	7.314	7.314	7.316	7.314					7.284 - 7.344	7.314
4,4'-DDT	7.413	7.412	7.412	7.413	7.413	7.413					7.382 - 7.442	7.413
Endosulfan sulfate	7.523	7.523	7.524	7.524	7.525	7.524					7.494 - 7.554	7.524
Methoxychlor	7.853	7.853	7.853	7.853	7.854	7.853					7.823 - 7.883	7.853
Endrin ketone	7.958	7.957	7.957	7.959	7.959	7.958					7.927 - 7.987	7.958
Tetrachloro-m-xylene	4.516	4.516	4.516	4.517	4.516	4.517					4.486 - 4.546	4.516
DCB Decachlorobiphenyl (Surr)	9.556	9.555	9.557	9.557	9.558	9.556					9.507 - 9.607	9.557

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	AQ0313000968.D
Level 2	IC 180-67462/5	AQ0313000969.D
Level 3	ICRT 180-67462/6	AQ0313000970.D
Level 4	IC 180-67462/7	AQ0313000971.D
Level 5	IC 180-67462/8	AQ0313000972.D
Level 6	IC 180-67462/9	AQ0313000973.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	21766000 21342740	20866800 20955265	21768000	21051700	Ave		21291750.8				1.9		10.0			
gamma-BHC (Lindane)	20726000 19575740	19308200 19354495	19767560	19096240	Ave		19638039.2				3.0		10.0			
beta-BHC	11480000 8927680	9553200 8728130	9250120	8926820	Qua	--0.000293 5	1.10388 E-007	2.48207 E-015					10.0	1.0000		0.9900
delta-BHC	21478000 19088870	19063600 19315665	19065600	19694440	Ave		19617695.8				4.8		10.0			
Heptachlor	18146000 15346270	15657600 14590895	16413240	15523420	Ave		15946237.5				7.7		10.0			
Aldrin	18584000 16935080	17245800 16106235	17992880	17197540	Ave		17343589.2				5.0		10.0			
Heptachlor epoxide	17348000 14553740	15223400 13631325	15496600	14749600	Ave		15167110.8				8.2		10.0			
gamma-Chlordane	17412000 15214340	15084600 14985630	15920360	15558380	Ave		15695885.0				5.8		10.0			
alpha-Chlordane	16982000 14377950	15040000 14279690	15461200	14953560	Ave		15182400.0				6.5		10.0			
Endosulfan I	15946000 13377250	13651000 12857110	14153360	13323180	Ave		13884650.0				7.9		10.0			
4,4'-DDE	17501000 15507040	15489200 15147390	16536800	15715020	Qua	--0.000248 1	6.28145 E-008	1.0905 E-015					10.0	1.0000		0.9900
Dieldrin	18078000 14771120	14903200 13856025	15616320	14579620	Ave		15300714.2				9.6		10.0			
Endrin	14546000 12211770	12774000 11732200	13155960	12713460	Qua	--0.000318 4	7.76675 E-008	3.30286 E-015					10.0	1.0000		0.9900
4,4'-DDD	14223000 11950310	12247800 11833485	12273040	11941980	Qua	--0.000211 1	8.323 E-008	5.75854 E-016					10.0	1.0000		0.9900
Endosulfan II	15328000 12272030	12449600 11787160	12908480	12541020	Ave		12881048.3				9.7		10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8916

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Endrin aldehyde	11988000 9175100	9490400 9052445	9814560	9284500	Qua	--0.000504 3	1.07611 E-007	1.75252 E-015					10.0	1.0000		0.9900
4,4'-DDT	6793000 8335730	6586800 8304550	7977960	7968360	Qua	0.0008969	1.20282 E-007	-3.04577 E-016					10.0	0.9999		0.9900
Endosulfan sulfate	13814000 11110750	11460800 10705125	11336680	11244880	Ave		11612039.2				9.6		10.0			
Methoxychlor	5162000 4517010	4602600 4377530	4596120	4365720	Ave		4603496.67				6.3		10.0			
Endrin ketone	9822000 8536830	8777400 8341095	8819640	8673020	Qua	--0.000150 4	1.14243 E-007	3.44612 E-015					10.0	1.0000		0.9900
Tetrachloro-m-xylene	21072000 18318800	19061600 17898550	19397160	18764240	Ave		19085391.7				5.8		10.0			
DCB Decachlorobiphenyl (Surr)	9954000 6769660	7794200 6485430	6948120	6862980	Qua	--0.000330 2	1.42575 E-007	9.10999 E-015					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	AQ0313000968.D
Level 2	IC 180-67462/5	AQ0313000969.D
Level 3	ICRT 180-67462/6	AQ0313000970.D
Level 4	IC 180-67462/7	AQ0313000971.D
Level 5	IC 180-67462/8	AQ0313000972.D
Level 6	IC 180-67462/9	AQ0313000973.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	21766 4191053	104334	544200	1052585	2134274	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	20726 3870899	96541	494189	954812	1957574	0.00100 0.200	0.00500	0.0250	0.0500	0.100
beta-BHC	Qua	11480 1745626	47766	231253	446341	892768	0.00100 0.200	0.00500	0.0250	0.0500	0.100
delta-BHC	Ave	21478 3863133	95318	476640	984722	1908887	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor	Ave	18146 2918179	78288	410331	776171	1534627	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Aldrin	Ave	18584 3221247	86229	449822	859877	1693508	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	17348 2726265	76117	387415	737480	1455374	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-Chlordane	Ave	17412 2997126	75423	398009	777919	1521434	0.00100 0.200	0.00500	0.0250	0.0500	0.100
alpha-Chlordane	Ave	16982 2855938	75200	386530	747678	1437795	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan I	Ave	15946 2571422	68255	353834	666159	1337725	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDE	Qua	17501 3029478	77446	413420	785751	1550704	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Dieldrin	Ave	18078 2771205	74516	390408	728981	1477112	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin	Qua	14546 2346440	63870	328899	635673	1221177	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDD	Qua	14223 2366697	61239	306826	597099	1195031	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan II	Ave	15328 2357432	62248	322712	627051	1227203	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin aldehyde	Qua	11988 1810489	47452	245364	464225	917510	0.00100 0.200	0.00500	0.0250	0.0500	0.100

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8916

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4,4'-DDT	Qua	6793 1660910	32934	199449	398418	833573	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	13814 2141025	57304	283417	562244	1111075	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Methoxychlor	Ave	5162 875506	23013	114903	218286	451701	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin ketone	Qua	9822 1668219	43887	220491	433651	853683	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	21072 3579710	95308	484929	938212	1831880	0.00100 0.200	0.00500	0.0250	0.0500	0.100
DCB Decachlorobiphenyl (Surr)	Qua	9954 1297086	38971	173703	343149	676966	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8919

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	BQ0313000968.D
Level 2	IC 180-67462/5	BQ0313000969.D
Level 3	ICRT 180-67462/6	BQ0313000970.D
Level 4	IC 180-67462/7	BQ0313000971.D
Level 5	IC 180-67462/8	BQ0313000972.D
Level 6	IC 180-67462/9	BQ0313000973.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	5.060	5.060	5.060	5.060	5.060	5.061					5.030 - 5.090	5.060
gamma-BHC (Lindane)	5.362	5.362	5.361	5.362	5.362	5.362					5.331 - 5.391	5.362
beta-BHC	5.607	5.607	5.607	5.607	5.607	5.607					5.577 - 5.637	5.607
Heptachlor	5.677	5.677	5.677	5.678	5.678	5.678					5.647 - 5.707	5.677
delta-BHC	5.834	5.834	5.833	5.834	5.834	5.834					5.803 - 5.863	5.834
Aldrin	5.944	5.943	5.943	5.943	5.944	5.944					5.913 - 5.973	5.943
Heptachlor epoxide	6.397	6.397	6.397	6.397	6.398	6.398					6.367 - 6.427	6.397
gamma-Chlordane	6.626	6.625	6.625	6.625	6.625	6.625					6.595 - 6.655	6.625
alpha-Chlordane	6.686	6.686	6.685	6.686	6.686	6.687					6.655 - 6.715	6.686
Endosulfan I	6.752	6.752	6.752	6.752	6.752	6.752					6.722 - 6.782	6.752
4,4'-DDE	6.832	6.832	6.832	6.832	6.833	6.833					6.802 - 6.862	6.832
Dieldrin	6.999	6.999	6.999	7.000	6.999	7.000					6.969 - 7.029	6.999
Endrin	7.268	7.267	7.267	7.267	7.268	7.268					7.237 - 7.297	7.267
4,4'-DDD	7.355	7.355	7.355	7.355	7.355	7.355					7.325 - 7.385	7.355
Endosulfan II	7.537	7.536	7.537	7.536	7.537	7.537					7.507 - 7.567	7.537
4,4'-DDT	7.599	7.599	7.600	7.599	7.599	7.600					7.570 - 7.630	7.599
Endrin aldehyde	7.705	7.705	7.706	7.705	7.706	7.705					7.676 - 7.736	7.705
Endosulfan sulfate	7.913	7.912	7.913	7.913	7.913	7.913					7.883 - 7.943	7.913
Methoxychlor	8.140	8.141	8.141	8.141	8.140	8.140					8.111 - 8.171	8.141
Endrin ketone	8.470	8.471	8.469	8.469	8.470	8.469					8.439 - 8.499	8.470
Tetrachloro-m-xylene	4.594	4.594	4.594	4.594	4.594	4.594					4.564 - 4.624	4.594
DCB Decachlorobiphenyl (Surr)	9.985	9.984	9.985	9.986	9.985	9.986					9.955 - 10.015	9.985

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8919

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	BQ0313000968.D
Level 2	IC 180-67462/5	BQ0313000969.D
Level 3	ICRT 180-67462/6	BQ0313000970.D
Level 4	IC 180-67462/7	BQ0313000971.D
Level 5	IC 180-67462/8	BQ0313000972.D
Level 6	IC 180-67462/9	BQ0313000973.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	13627000 12705380	12900000 12533390	13358080	13164940	Ave		13048131.7				3.2		10.0			
gamma-BHC (Lindane)	14676000 13049740	13504400 12761020	13795240	13513340	Ave		13549956.7				4.9		10.0			
beta-BHC	9438000 6816320	7579800 6596800	7104080	7029140	Qua	--0.000414 5	1.41635 E-007	7.80683 E-015					10.0	1.0000		0.9900
Heptachlor	12252000 10384200	10859800 9899035	11223680	10571400	Ave		10865019.2				7.5		10.0			
delta-BHC	14323000 12549440	12824600 12152395	13100080	12753800	Ave		12950552.5				5.7		10.0			
Aldrin	15161000 12766820	13615200 12078115	13875000	13433980	Ave		13488352.5				7.8		10.0			
Heptachlor epoxide	14195000 10839420	12209200 10005715	12027000	11418400	Qua	--0.000295 7	8.31895 E-008	8.45759 E-015					10.0	1.0000		0.9900
gamma-Chlordane	14323000 11749550	12457600 11069560	12667840	12057400	Ave		12387491.7				8.9		10.0			
alpha-Chlordane	14031000 11458800	12388400 11035350	12273400	11952200	Ave		12189858.3				8.5		10.0			
Endosulfan I	13682000 10043430	11698400 9594015	11116480	10673900	Qua	--0.000749 9	9.34928 E-008	5.85012 E-015					10.0	0.9999		0.9900
4,4'-DDE	14751000 12290410	12989200 11829320	13623760	12946880	Qua	--0.000528 7	7.68711 E-008	3.36813 E-015					10.0	0.9999		0.9900
Dieldrin	13787000 11208100	12092000 10457685	12225920	11721480	Ave		11915364.2				9.4		10.0			
Endrin	11434000 8812870	9716400 8341875	9687360	9419960	Qua	--0.000466 2	1.04744 E-007	9.30131 E-015					10.0	0.9999		0.9900
4,4'-DDD	10188000 8507520	9272600 8006420	9401360	8834260	Qua	--0.000344 4	1.09147 E-007	9.99809 E-015					10.0	1.0000		0.9900
Endosulfan II	11949000 9483100	10289800 8948440	10447720	9882200	Qua	--0.000377 1	9.81204 E-008	7.75972 E-015					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8919

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	4221000 5668900	4666800 5542480	5521560	5566300	Qua	0.0008366	1.72351 E-007	6.50708 E-015					10.0	1.0000		0.9900
Endrin aldehyde	8882000 6595880	7300400 6168900	7184440	6870500	Qua	--0.000305 9	1.399 E-007	1.82159 E-014					10.0	1.0000		0.9900
Endosulfan sulfate	10563000 8649690	8936000 8090090	9255840	8918980	Ave		9068933.33				9.1		10.0			
Methoxychlor	3286000 3082660	2998400 2910345	3182520	3088460	Ave		3091397.50				4.3		10.0			
Endrin ketone	4200000 3490160	3444200 3280870	3430040	3551060	Qua	0.0005401	2.67568 E-007	5.51401 E-014					10.0	0.9999		0.9900
Tetrachloro-m-xylene	18163000 14890760	16421400 14137290	16021840	15484200	Ave		15853081.7				8.8		10.0			
DCB Decachlorobiphenyl (Surr)	7389000 5003040	5824600 4707450	5219600	5152080	Qua	--0.000292	1.87761 E-007	2.64658 E-014					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8919

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	BQ0313000968.D
Level 2	IC 180-67462/5	BQ0313000969.D
Level 3	ICRT 180-67462/6	BQ0313000970.D
Level 4	IC 180-67462/7	BQ0313000971.D
Level 5	IC 180-67462/8	BQ0313000972.D
Level 6	IC 180-67462/9	BQ0313000973.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	13627 2506678	64500	333952	658247	1270538	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	14676 2552204	67522	344881	675667	1304974	0.00100 0.200	0.00500	0.0250	0.0500	0.100
beta-BHC	Qua	9438 1319360	37899	177602	351457	681632	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor	Ave	12252 1979807	54299	280592	528570	1038420	0.00100 0.200	0.00500	0.0250	0.0500	0.100
delta-BHC	Ave	14323 2430479	64123	327502	637690	1254944	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Aldrin	Ave	15161 2415623	68076	346875	671699	1276682	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor epoxide	Qua	14195 2001143	61046	300675	570920	1083942	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-Chlordane	Ave	14323 2213912	62288	316696	602870	1174955	0.00100 0.200	0.00500	0.0250	0.0500	0.100
alpha-Chlordane	Ave	14031 2207070	61942	306835	597610	1145880	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan I	Qua	13682 1918803	58492	277912	533695	1004343	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDE	Qua	14751 2365864	64946	340594	647344	1229041	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Dieldrin	Ave	13787 2091537	60460	305648	586074	1120810	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin	Qua	11434 1668375	48582	242184	470998	881287	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDD	Qua	10188 1601284	46363	235034	441713	850752	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan II	Qua	11949 1789688	51449	261193	494110	948310	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDT	Qua	4221 1108496	23334	138039	278315	566890	0.00100 0.200	0.00500	0.0250	0.0500	0.100

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8919

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Qua	8882 1233780	36502	179611	343525	659588	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	10563 1618018	44680	231396	445949	864969	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Methoxychlor	Ave	3286 582069	14992	79563	154423	308266	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin ketone	Qua	4200 656174	17221	85751	177553	349016	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	18163 2827458	82107	400546	774210	1489076	0.00100 0.200	0.00500	0.0250	0.0500	0.100
DCB Decachlorobiphenyl (Surr)	Qua	7389 941490	29123	130490	257604	500304	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 13:38 Calibration End Date: 03/08/2013 15:16 Calibration ID: 8674

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/1	P0330300.D
Level 2	IC 180-66077/2	P0330301.D
Level 3	IC 180-66077/3	P0330302.D
Level 4	IC 180-66077/4	P0330303.D
Level 5	IC 180-66077/5	P0330304.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1221 Peak 1	4.527	4.522	4.521	4.523	4.521						4.471 - 4.571	4.523
PCB-1221 Peak 2	4.772	4.768	4.767	4.769	4.767						4.717 - 4.817	4.769
PCB-1221 Peak 3	4.867	4.863	4.861	4.864	4.864						4.814 - 4.914	4.864
PCB-1254 Peak 1	7.724	7.721	7.721	7.721	7.721						7.671 - 7.771	7.722
PCB-1254 Peak 2	7.994	7.991	7.991	7.992	7.992						7.942 - 8.042	7.992
PCB-1254 Peak 3	8.660	8.657	8.656	8.657	8.658						8.608 - 8.708	8.658
PCB-1254 Peak 4	8.742	8.741	8.741	8.741	8.742						8.692 - 8.792	8.741
PCB-1254 Peak 5	9.031	9.028	9.028	9.028	9.030						8.980 - 9.080	9.029

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 13:38 Calibration End Date: 03/08/2013 15:16 Calibration ID: 8674

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/1	P0330300.D
Level 2	IC 180-66077/2	P0330301.D
Level 3	IC 180-66077/3	P0330302.D
Level 4	IC 180-66077/4	P0330303.D
Level 5	IC 180-66077/5	P0330304.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	197700 163189	169590	163464	164686	Ave		171725.800				8.6		10.0			
PCB-1221 Peak 2	113000 105714	116280	110288	108702	Ave		110796.800				3.6		10.0			
PCB-1221 Peak 3	434900 353739	392540	365732	365318	Ave		382445.800				8.5		10.0			
PCB-1254 Peak 1	735600 618825	673650	630752	639088	Ave		659583.000				7.1		10.0			
PCB-1254 Peak 2	388600 331917	355100	341336	346954	Ave		352781.400				6.2		10.0			
PCB-1254 Peak 3	459900 404612	426870	388340	404548	Ave		416854.000				6.6		10.0			
PCB-1254 Peak 4	838900 746983	778950	715444	757602	Ave		767575.800				6.0		10.0			
PCB-1254 Peak 5	337400 283630	301140	277300	280124	Ave		295918.800				8.4		10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 13:38 Calibration End Date: 03/08/2013 15:16 Calibration ID: 8674

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/1	P0330300.D
Level 2	IC 180-66077/2	P0330301.D
Level 3	IC 180-66077/3	P0330302.D
Level 4	IC 180-66077/4	P0330303.D
Level 5	IC 180-66077/5	P0330304.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	1977	16959	40866	82343	163189	0.0100	0.100	0.250	0.500	1.00
PCB-1221 Peak 2	Ave	1130	11628	27572	54351	105714	0.0100	0.100	0.250	0.500	1.00
PCB-1221 Peak 3	Ave	4349	39254	91433	182659	353739	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 1	Ave	7356	67365	157688	319544	618825	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 2	Ave	3886	35510	85334	173477	331917	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 3	Ave	4599	42687	97085	202274	404612	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 4	Ave	8389	77895	178861	378801	746983	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 5	Ave	3374	30114	69325	140062	283630	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:
Ave = Average by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 15:41 Calibration End Date: 03/08/2013 17:19 Calibration ID: 8675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/6	P0330305.D
Level 2	IC 180-66077/7	P0330306.D
Level 3	IC 180-66077/8	P0330307.D
Level 4	IC 180-66077/9	P0330308.D
Level 5	IC 180-66077/10	P0330309.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1242 Peak 1	6.506	6.504	6.505	6.503	6.504						6.454 - 6.554	6.504
PCB-1242 Peak 2	6.656	6.655	6.656	6.654	6.654						6.604 - 6.704	6.655
PCB-1242 Peak 3	7.179	7.180	7.181	7.180	7.179						7.129 - 7.229	7.180
PCB-1242 Peak 4	7.730	7.730	7.731	7.729	7.729						7.679 - 7.779	7.730
PCB-1242 Peak 5	8.004	7.999	7.998	7.998	7.998						7.948 - 8.048	7.999

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 15:41 Calibration End Date: 03/08/2013 17:19 Calibration ID: 8675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/6	P0330305.D
Level 2	IC 180-66077/7	P0330306.D
Level 3	IC 180-66077/8	P0330307.D
Level 4	IC 180-66077/9	P0330308.D
Level 5	IC 180-66077/10	P0330309.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	414300 343016	390750	362060	356704	Ave		373366.000				7.7		10.0			
PCB-1242 Peak 2	284400 254500	284330	274380	273610	Ave		274244.000				4.4		10.0			
PCB-1242 Peak 3	401000 341897	386530	357576	349114	Ave		367223.400				6.9		10.0			
PCB-1242 Peak 4	439200 374876	419200	386252	388380	Ave		401581.600				6.6		10.0			
PCB-1242 Peak 5	340500 268491	291650	273500	266704	Ave		288169.000				10.7	*	10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 15:41 Calibration End Date: 03/08/2013 17:19 Calibration ID: 8675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/6	P0330305.D
Level 2	IC 180-66077/7	P0330306.D
Level 3	IC 180-66077/8	P0330307.D
Level 4	IC 180-66077/9	P0330308.D
Level 5	IC 180-66077/10	P0330309.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	4143	39075	90515	178352	343016	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 2	Ave	2844	28433	68595	136805	254500	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 3	Ave	4010	38653	89394	174557	341897	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 4	Ave	4392	41920	96563	194190	374876	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 5	Ave	3405	29165	68375	133352	268491	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:

Ave = Average by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 17:43 Calibration End Date: 03/08/2013 19:21 Calibration ID: 8676

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/11	P0330310.D
Level 2	IC 180-66077/12	P0330311.D
Level 3	IC 180-66077/13	P0330312.D
Level 4	IC 180-66077/14	P0330313.D
Level 5	IC 180-66077/15	P0330314.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1248 Peak 1	6.289	6.288	6.287	6.287	6.286						6.236 - 6.336	6.287
PCB-1248 Peak 2	6.817	6.815	6.813	6.814	6.812						6.762 - 6.862	6.814
PCB-1248 Peak 3	7.584	7.583	7.583	7.582	7.582						7.532 - 7.632	7.583
PCB-1248 Peak 4	7.729	7.729	7.727	7.727	7.727						7.677 - 7.777	7.728
PCB-1248 Peak 5	8.474	8.472	8.471	8.471	8.470						8.420 - 8.520	8.472

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 17:43 Calibration End Date: 03/08/2013 19:21 Calibration ID: 8676

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/11	P0330310.D
Level 2	IC 180-66077/12	P0330311.D
Level 3	IC 180-66077/13	P0330312.D
Level 4	IC 180-66077/14	P0330313.D
Level 5	IC 180-66077/15	P0330314.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	597900 548892	594870	555280	577256	Ave		574839.600				3.9		10.0			
PCB-1248 Peak 2	528700 447738	500940	461252	465566	Ave		480839.200				6.9		10.0			
PCB-1248 Peak 3	337800 331896	348750	329456	341966	Ave		337973.600				2.3		10.0			
PCB-1248 Peak 4	714000 690846	718530	675676	717552	Ave		703320.800				2.7		10.0			
PCB-1248 Peak 5	368800 338883	360690	333560	346880	Ave		349762.600				4.2		10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 17:43 Calibration End Date: 03/08/2013 19:21 Calibration ID: 8676

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/11	P0330310.D
Level 2	IC 180-66077/12	P0330311.D
Level 3	IC 180-66077/13	P0330312.D
Level 4	IC 180-66077/14	P0330313.D
Level 5	IC 180-66077/15	P0330314.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	5979	59487	138820	288628	548892	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 2	Ave	5287	50094	115313	232783	447738	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 3	Ave	3378	34875	82364	170983	331896	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 4	Ave	7140	71853	168919	358776	690846	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 5	Ave	3688	36069	83390	173440	338883	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:

Ave = Average by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 19:46 Calibration End Date: 03/08/2013 19:46 Calibration ID: 8677

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/16	P0330315.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	5.858										5.808 - 5.908	5.858
PCB-1232 Peak 2	5.938										5.888 - 5.988	5.938
PCB-1232 Peak 3	6.501										6.451 - 6.551	6.501
PCB-1232 Peak 4	7.178										7.128 - 7.228	7.178
PCB-1232 Peak 5	7.317										7.267 - 7.367	7.317

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 19:46 Calibration End Date: 03/08/2013 19:46 Calibration ID: 8677

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/16	P0330315.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	71212				Ave		71212.0000						10.0			
PCB-1232 Peak 2	91040				Ave		91040.0000						10.0			
PCB-1232 Peak 3	185330				Ave		185330.000						10.0			
PCB-1232 Peak 4	200934				Ave		200934.000						10.0			
PCB-1232 Peak 5	184964				Ave		184964.000						10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 19:46 Calibration End Date: 03/08/2013 19:46 Calibration ID: 8677

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/16	P0330315.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	35606					0.500				
PCB-1232 Peak 2	Ave	45520					0.500				
PCB-1232 Peak 3	Ave	92665					0.500				
PCB-1232 Peak 4	Ave	100467					0.500				
PCB-1232 Peak 5	Ave	92482					0.500				

Curve Type Legend:
Ave = Average by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 20:59 Calibration End Date: 03/08/2013 23:27 Calibration ID: 8679

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/18	P0330318.D
Level 2	IC 180-66077/19	P0330319.D
Level 3	IC 180-66077/20	P0330320.D
Level 4	ICRT 180-66077/21	P0330321.D
Level 5	IC 180-66077/22	P0330322.D
Level 6	IC 180-66077/23	P0330323.D
Level 7	IC 180-66077/24	P0330324.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	4.860	4.861	4.859	4.857	4.856	4.857	4.857				4.807 - 4.907	4.858
PCB-1016 Peak 2	5.531	5.531	5.531	5.528	5.529	5.528	5.528				5.478 - 5.578	5.529
PCB-1016 Peak 3	5.852	5.859	5.858	5.855	5.855	5.856	5.855				5.805 - 5.905	5.856
PCB-1016 Peak 4	5.939	5.939	5.938	5.934	5.935	5.935	5.935				5.885 - 5.985	5.936
PCB-1016 Peak 5	6.654	6.652	6.652	6.649	6.649	6.649	6.650				6.600 - 6.700	6.651
PCB-1260 Peak 1	8.657	8.656	8.655	8.654	8.654	8.654	8.655				8.605 - 8.705	8.655
PCB-1260 Peak 2	8.900	8.898	8.897	8.895	8.895	8.896	8.895				8.845 - 8.945	8.897
PCB-1260 Peak 3	9.265	9.265	9.264	9.263	9.263	9.263	9.263				9.213 - 9.313	9.264
PCB-1260 Peak 4	9.697	9.696	9.695	9.694	9.694	9.694	9.694				9.644 - 9.744	9.695
PCB-1260 Peak 5	10.053	10.052	10.050	10.049	10.049	10.050	10.050				10.000 - 10.100	10.050
Tetrachloro-m-xylene	4.034	4.032	4.032	4.029	4.030	4.030	4.030				3.980 - 4.080	4.031
DCB Decachlorobiphenyl (Surr)	12.639	12.634	12.634	12.634	12.633	12.633	12.632				12.582 - 12.682	12.634

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 20:59 Calibration End Date: 03/08/2013 23:27 Calibration ID: 8679

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/18	P0330318.D
Level 2	IC 180-66077/19	P0330319.D
Level 3	IC 180-66077/20	P0330320.D
Level 4	ICRT 180-66077/21	P0330321.D
Level 5	IC 180-66077/22	P0330322.D
Level 6	IC 180-66077/23	P0330323.D
Level 7	IC 180-66077/24	P0330324.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	353100 285914	275420 254734	290800 230325	294818	Ave		283587.143				13.5	*	10.0			
PCB-1016 Peak 2	618000 584836	571860 520487	600195 481466	609682	Ave		569503.643				8.9		10.0			
PCB-1016 Peak 3	145400 187249	156260 171449	184525 160591	183494	Ave		169852.500				9.5		10.0			
PCB-1016 Peak 4	234400 236084	214520 209843	240090 195850	231378	Ave		223166.393				7.4		10.0			
PCB-1016 Peak 5	332900 361296	311400 317683	355550 314623	346098	Ave		334221.393				6.1		10.0			
PCB-1260 Peak 1	894600 880436	805680 823383	869825 814376	884602	Ave		853271.643				4.4		10.0			
PCB-1260 Peak 2	1250600 1138632	1041480 1066427	1107105 1053234	1127446	Ave		1112131.93				6.4		10.0			
PCB-1260 Peak 3	1187000 1138912	1014040 1070396	1095060 1064944	1123568	Ave		1099131.32				5.1		10.0			
PCB-1260 Peak 4	612000 668545	599320 634435	659060 627027	669636	Ave		638574.679				4.4		10.0			
PCB-1260 Peak 5	1403900 1605324	1343800 1525873	1532900 1555471	1588398	Ave		1507952.18				6.5		10.0			
Tetrachloro-m-xylene	15942000 17760220	14345600 16126660	15675100 14928530	17530600	Ave		16044101.4				7.8		10.0			
DCB Decachlorobiphenyl (Surr)	9328000 8659560	8759600 7943410	9159800 7744930	8860760	Ave		8636580.00				6.8		10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 20:59 Calibration End Date: 03/08/2013 23:27 Calibration ID: 8679

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/18	P0330318.D
Level 2	IC 180-66077/19	P0330319.D
Level 3	IC 180-66077/20	P0330320.D
Level 4	ICRT 180-66077/21	P0330321.D
Level 5	IC 180-66077/22	P0330322.D
Level 6	IC 180-66077/23	P0330323.D
Level 7	IC 180-66077/24	P0330324.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	3531 509467	13771 921298	58160	147409	285914	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	6180 1040974	28593 1925862	120039	304841	584836	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	1454 342898	7813 642362	36905	91747	187249	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	2344 419686	10726 783399	48018	115689	236084	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	3329 635366	15570 1258491	71110	173049	361296	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	8946 1646766	40284 3257502	173965	442301	880436	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	12506 2132853	52074 4212936	221421	563723	1138632	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	11870 2140791	50702 4259775	219012	561784	1138912	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	6120 1268870	29966 2508107	131812	334818	668545	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	14039 3051745	67190 6221883	306580	794199	1605324	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	7971 1612666	35864 2985706	156751	438265	888011	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl (Surr)	Ave	4664 794341	21899 1548986	91598	221519	432978	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500

Curve Type Legend:

Ave = Average by Height

FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/1 Calibration Date: 03/26/2013 13:48

Instrument ID: GC15 Calib Start Date: 03/19/2013 12:34

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/19/2013 13:52

Lab File ID: AQ0313000965.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.00	258193	5.41	15	
Endrin aldehyde	7.32	8055			
Endrin ketone	7.96	6709			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.41	375804	3.13	15	
4,4'-DDD	7.13	7439			
4,4'-DDE	6.68	4708			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000965.D
Report Date: 27-Mar-2013 08:29

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000965.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 13:48
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:26 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

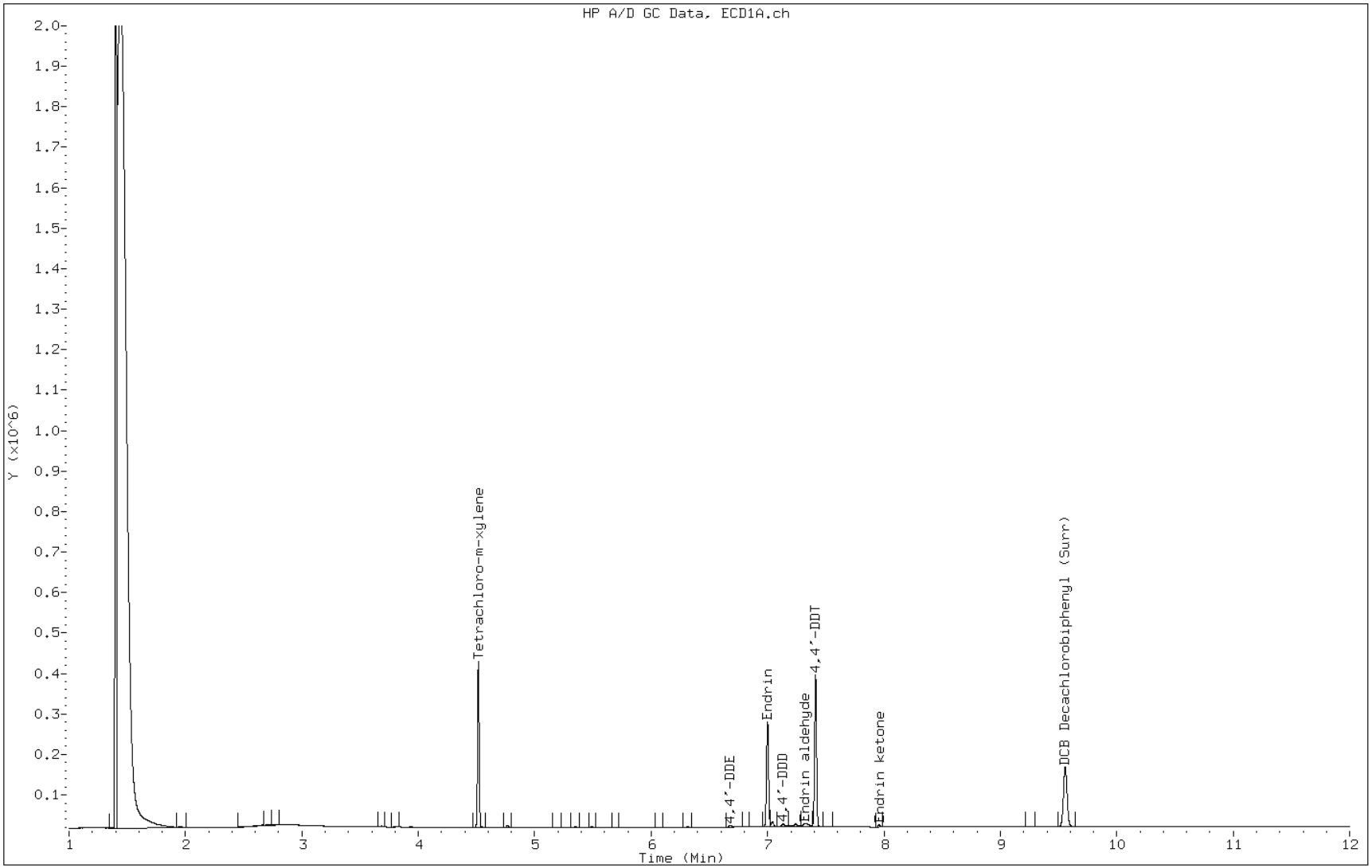
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	410145	0.02149	0.02149
27 4,4'-DDE	6.679	6.677	0.002	4708	5e-005	0.00004765
30 Endrin	7.000	6.999	0.001	258193	0.01995	0.01995
31 4,4'-DDD	7.133	7.133	0.000	7439	4e-004	0.0004081
33 Endrin aldehyde	7.323	7.314	0.009	8055	4e-004	0.0003626
34 4,4'-DDT	7.412	7.412	0.000	375804	0.04606	0.04606
37 Endrin ketone	7.959	7.957	0.002	6709	6e-004	0.0006162
$ 39 DCB Decachlorobiphenyl (Surr)	9.556	9.557	-0.001	146052	0.02069	0.02069

Data File: AQ0313000965.D

Date: 26-MAR-2013 13:48

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/1 Calibration Date: 03/26/2013 13:48

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000965.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.00	258193	5.41	15	
Endrin aldehyde	7.32	8055			
Endrin ketone	7.96	6709			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.41	375804	3.13	15	
4,4'-DDD	7.13	7439			
4,4'-DDE	6.68	4708			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000965.D
Report Date: 27-Mar-2013 08:29

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000965.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 13:48
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:26 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

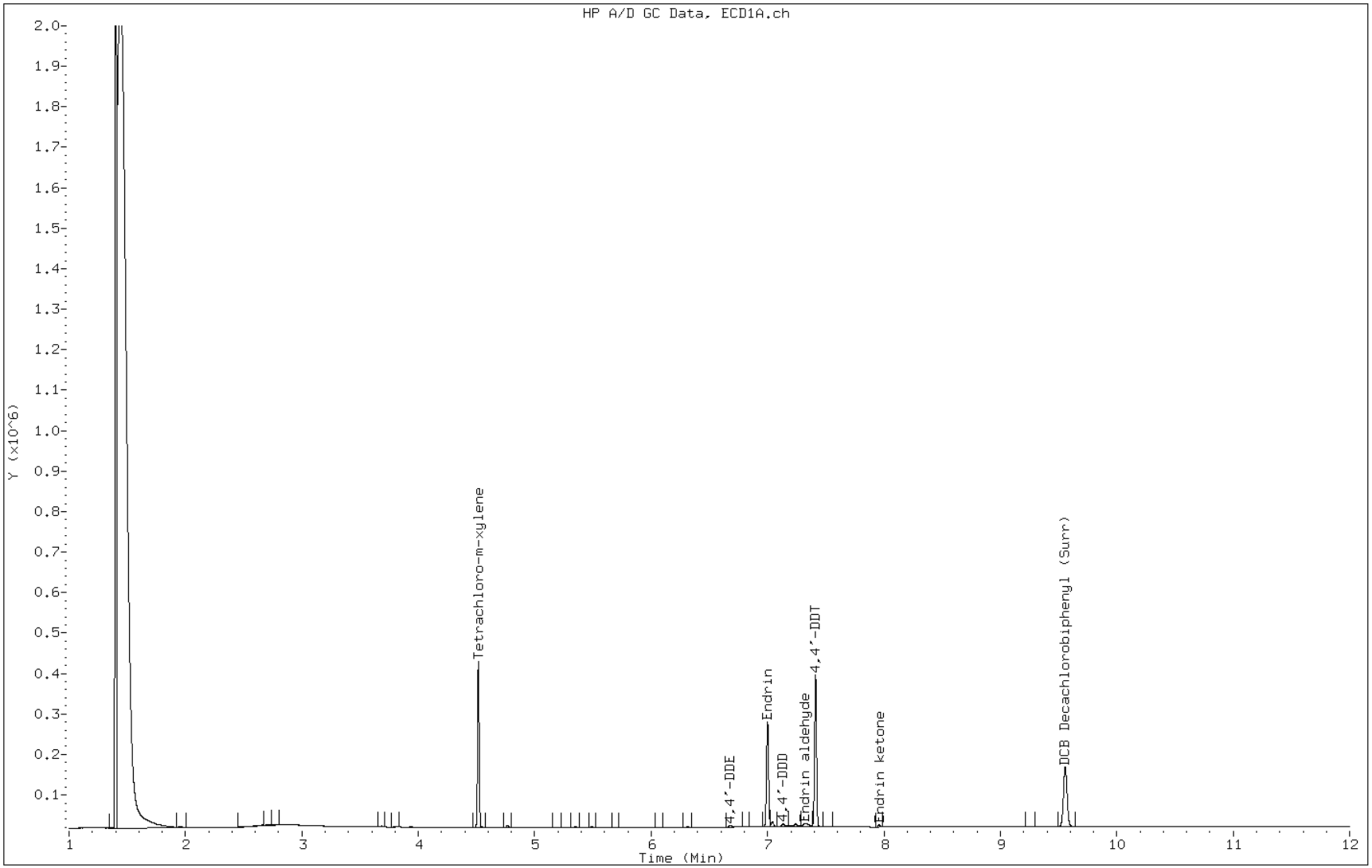
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	410145	0.02149	0.02149
27 4,4'-DDE	6.679	6.677	0.002	4708	5e-005	0.00004765
30 Endrin	7.000	6.999	0.001	258193	0.01995	0.01995
31 4,4'-DDD	7.133	7.133	0.000	7439	4e-004	0.0004081
33 Endrin aldehyde	7.323	7.314	0.009	8055	4e-004	0.0003626
34 4,4'-DDT	7.412	7.412	0.000	375804	0.04606	0.04606
37 Endrin ketone	7.959	7.957	0.002	6709	6e-004	0.0006162
$ 39 DCB Decachlorobiphenyl (Surr)	9.556	9.557	-0.001	146052	0.02069	0.02069

Data File: AQ0313000965.D

Date: 26-MAR-2013 13:48

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/1 Calibration Date: 03/26/2013 13:48

Instrument ID: GC15 Calib Start Date: 03/19/2013 12:34

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/19/2013 13:52

Lab File ID: BQ0313000965.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.27	207327	3.37	15	
Endrin aldehyde	7.71	3588			
Endrin ketone	8.47	3637			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.60	238166	6.43	15	
4,4'-DDD	7.36	8610			
4,4'-DDE	6.84	7770			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000965.D
Report Date: 27-Mar-2013 08:57

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000965.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 13:48
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:53 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

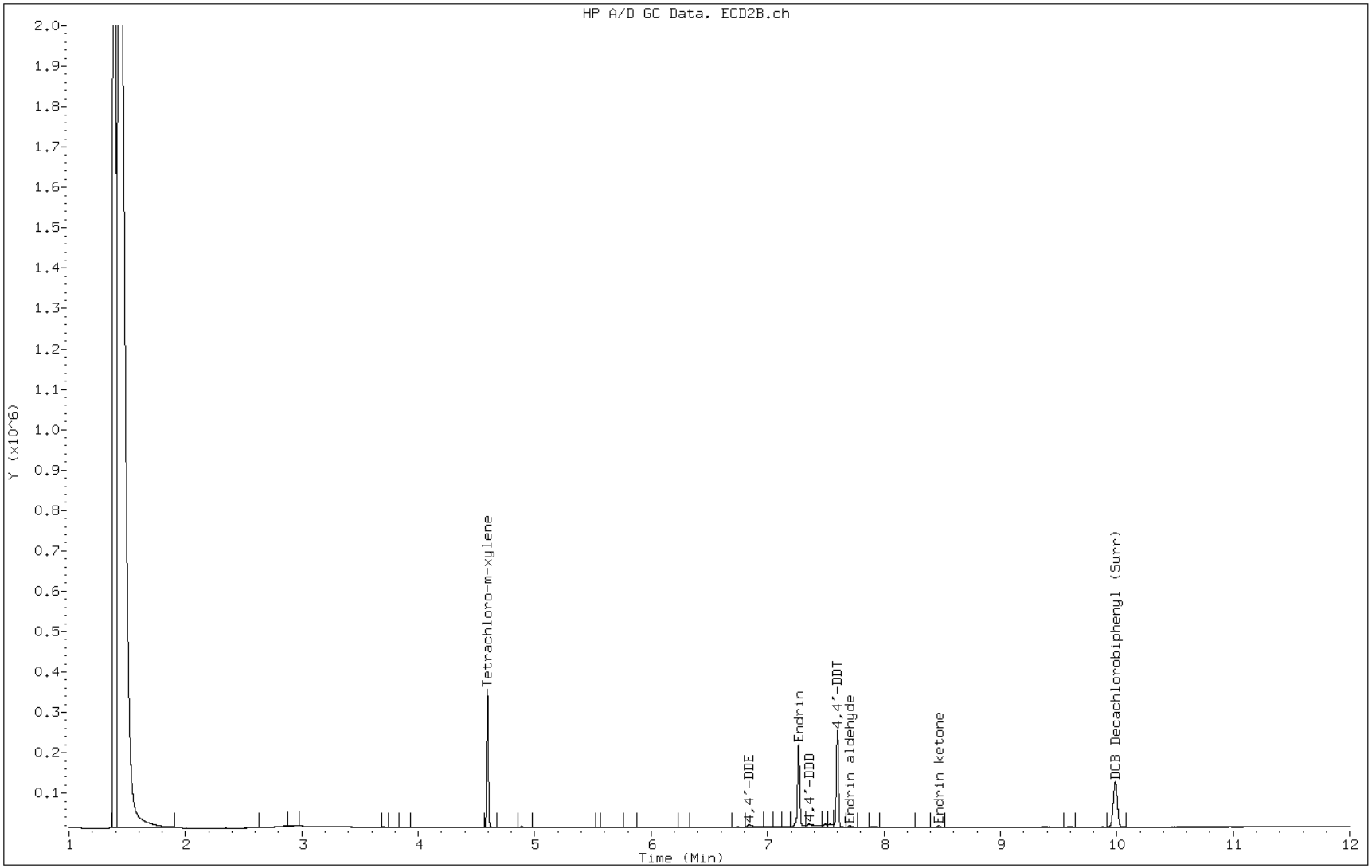
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.594	4.594	0.000	342244	0.02159	0.02159
27 4,4'-DDE	6.839	6.832	0.007	7770	7e-005	0.00006879
29 Endrin	7.267	7.267	0.000	207327	0.02165	0.02165
30 4,4'-DDD	7.357	7.355	0.002	8610	6.e-004	0.0005961
33 4,4'-DDT	7.600	7.600	0.000	238166	0.04225	0.04225
34 Endrin aldehyde	7.705	7.706	-0.001	3588	2.e-004	0.0001963
38 Endrin ketone	8.470	8.468	0.002	3637	0.00151	0.001514
$ 39 DCB Decachlorobiphenyl (Surr)	9.987	9.985	0.002	112683	0.02120	0.02120

Data File: BQ0313000965.D

Date: 26-MAR-2013 13:48

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/1 Calibration Date: 03/26/2013 13:48

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000965.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.27	207327	3.37	15	
Endrin aldehyde	7.71	3588			
Endrin ketone	8.47	3637			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.60	238166	6.43	15	
4,4'-DDD	7.36	8610			
4,4'-DDE	6.84	7770			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000965.D
Report Date: 27-Mar-2013 08:57

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000965.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 13:48
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:53 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

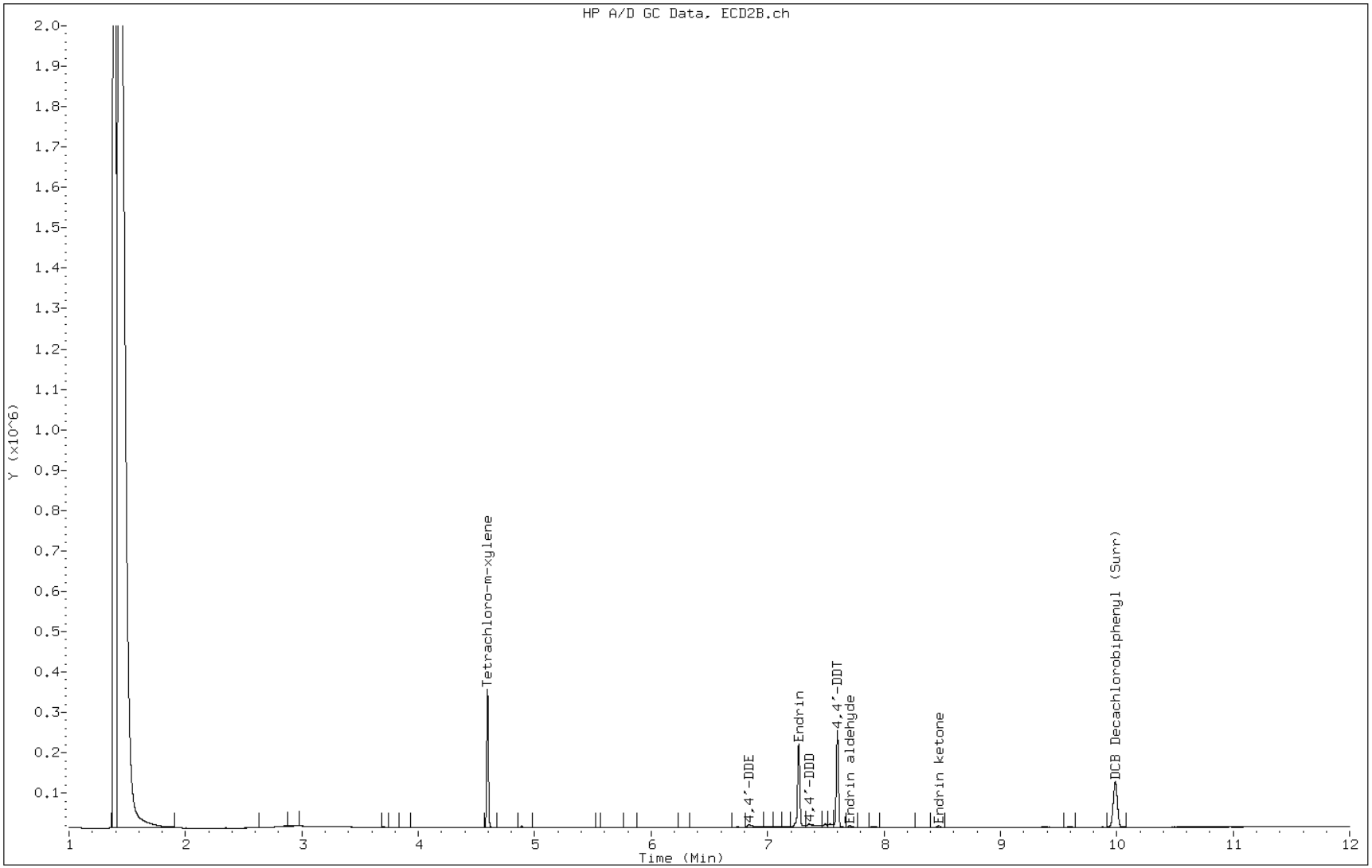
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.594	4.594	0.000	342244	0.02159	0.02159
27 4,4'-DDE	6.839	6.832	0.007	7770	7e-005	0.00006879
29 Endrin	7.267	7.267	0.000	207327	0.02165	0.02165
30 4,4'-DDD	7.357	7.355	0.002	8610	6.e-004	0.0005961
33 4,4'-DDT	7.600	7.600	0.000	238166	0.04225	0.04225
34 Endrin aldehyde	7.705	7.706	-0.001	3588	2.e-004	0.0001963
38 Endrin ketone	8.470	8.468	0.002	3637	0.00151	0.001514
$ 39 DCB Decachlorobiphenyl (Surr)	9.987	9.985	0.002	112683	0.02120	0.02120

Data File: BQ0313000965.D

Date: 26-MAR-2013 13:48

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/11 Calibration Date: 03/26/2013 20:32

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000991.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.00	243895	6.39	15	
Endrin aldehyde	7.33	10180			
Endrin ketone	7.96	6480			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.41	273662	1.61	15	
4,4'-DDD	7.13	4480			
4,4'-DDE	0.00	0			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000991.D
Report Date: 27-Mar-2013 08:29

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000991.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 20:32
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:29 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 18 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

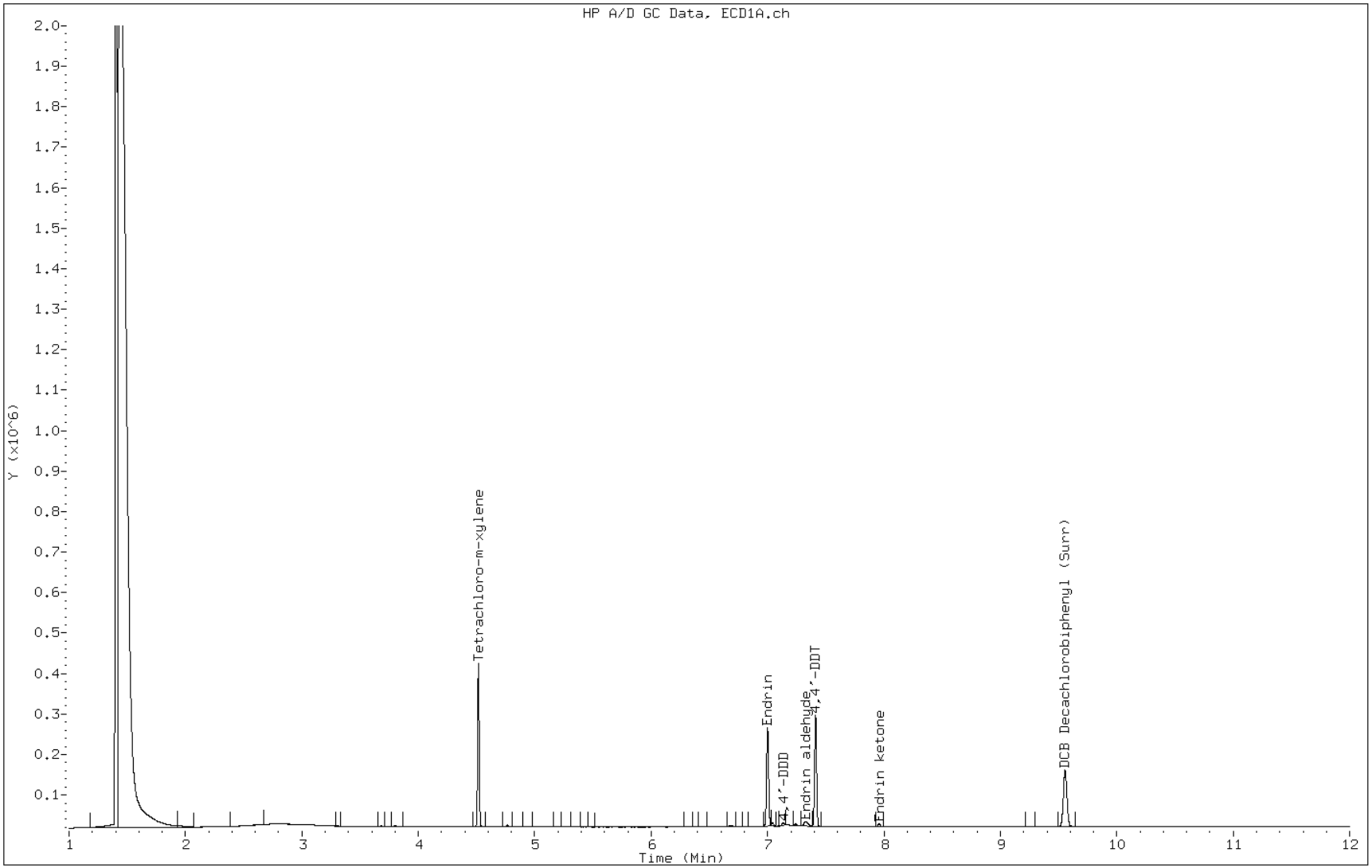
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	404917	0.02122	0.02122
27 4,4'-DDE	Compound Not Detected.					
30 Endrin	7.000	6.999	0.001	243895	0.01882	0.01882
31 4,4'-DDD	7.134	7.133	0.001	4480	2e-004	0.0001618
33 Endrin aldehyde	7.327	7.314	0.013	10180	6e-004	0.0005914
34 4,4'-DDT	7.412	7.412	0.000	273662	0.03379	0.03379
37 Endrin ketone	7.958	7.957	0.001	6480	0.00059	0.0005900
$ 39 DCB Decachlorobiphenyl (Surr)	9.553	9.557	-0.004	138616	0.01961	0.01961

Data File: AQ0313000991.D

Date: 26-MAR-2013 20:32

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/11 Calibration Date: 03/26/2013 20:32

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000991.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.27	186226	2.80	15	
Endrin aldehyde	7.71	2587			
Endrin ketone	8.47	2773			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.60	207896	3.59	15	
4,4'-DDD	7.36	7749			
4,4'-DDE	0.00	0			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000991.D
Report Date: 27-Mar-2013 08:57

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000991.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 20:32
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:57 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 18 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

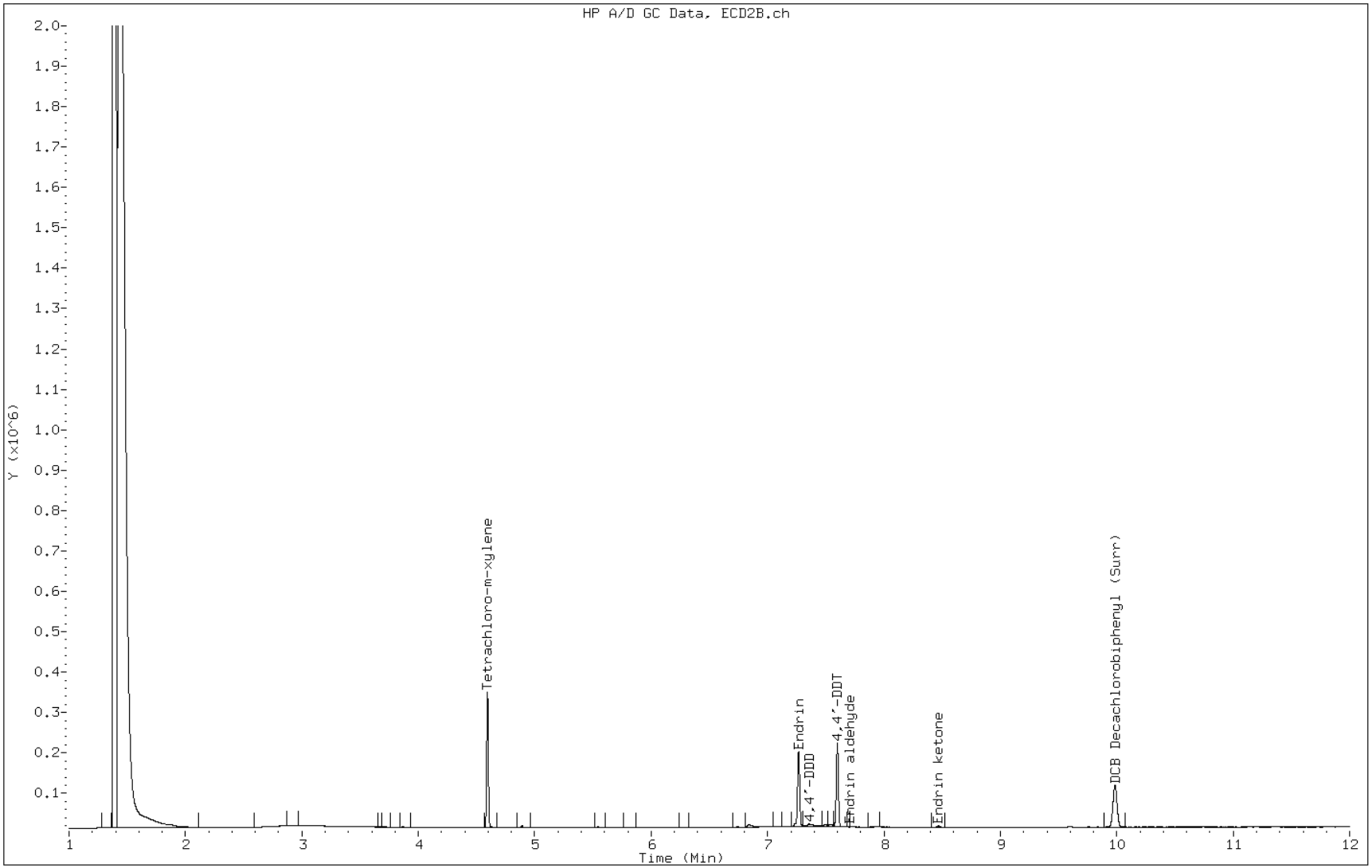
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.594	4.594	0.000	335441	0.02116	0.02116
27 4,4'-DDE	Compound Not Detected.					
29 Endrin	7.267	7.267	0.000	186226	0.01936	0.01936
30 4,4'-DDD	7.356	7.355	0.001	7749	5.e-004	0.0005020
33 4,4'-DDT	7.599	7.600	-0.001	207896	0.03695	0.03695
34 Endrin aldehyde	7.706	7.706	0.000	2587	6e-005	0.00005614
38 Endrin ketone	8.467	8.468	-0.001	2773	0.00128	0.001282
$ 39 DCB Decachlorobiphenyl (Surr)	9.985	9.985	0.000	103614	0.01945	0.01945

Data File: BQ0313000991.D

Date: 26-MAR-2013 20:32

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/1 Calibration Date: 03/25/2013 14:36

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: AQ0313000901.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Mirex	Qua	4376153	3745640		0.0225	0.0250	-10.0	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/1 Calibration Date: 03/25/2013 14:36

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: AQ0313000901.D

Analyte	RT	RT WINDOW	
		FROM	TO
Mirex	8.35	8.32	8.38

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/1 Calibration Date: 03/25/2013 14:36

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: BQ0313000901.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Mirex	Qua	2992538	2703040		0.0235	0.0250	-5.8	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/1 Calibration Date: 03/25/2013 14:36

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: BQ0313000901.D

Analyte	RT	RT WINDOW	
		FROM	TO
Mirex	8.64	8.61	8.67

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/6 Calibration Date: 03/25/2013 19:31

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: AQ0313000920.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Mirex	Qua	4376153	4524760		0.0269	0.0250	7.5	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/6 Calibration Date: 03/25/2013 19:31

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: AQ0313000920.D

Analyte	RT	RT WINDOW	
		FROM	TO
Mirex	8.35	8.32	8.38

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/6 Calibration Date: 03/25/2013 19:31

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: BQ0313000920.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Mirex	Qua	2992538	3298280		0.0284	0.0250	13.4	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/6 Calibration Date: 03/25/2013 19:31

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: BQ0313000920.D

Analyte	RT	RT WINDOW	
		FROM	TO
Mirex	8.64	8.61	8.67

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 180-67462/10 Calibration Date: 03/26/2013 16:08

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000974.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	21291751	20176320		0.0237	0.0250	-5.2	15.0
gamma-BHC (Lindane)	Ave	19638039	18367720		0.0234	0.0250	-6.5	15.0
beta-BHC	Qua	9477658	8505280		0.0233	0.0250	-6.8	15.0
delta-BHC	Ave	19617696	17259720		0.0220	0.0250	-12.0	15.0
Heptachlor	Ave	15946238	15034360		0.0236	0.0250	-5.7	15.0
Aldrin	Ave	17343589	16108920		0.0232	0.0250	-7.1	15.0
Heptachlor epoxide	Ave	15167111	14289240		0.0236	0.0250	-5.8	15.0
gamma-Chlordane	Ave	15695885	14570680		0.0232	0.0250	-7.2	15.0
alpha-Chlordane	Ave	15182400	13967920		0.0230	0.0250	-8.0	15.0
Endosulfan I	Ave	13884650	12686480		0.0228	0.0250	-8.6	15.0
4,4'-DDE	Qua	15982742	15101880		0.0236	0.0250	-5.5	15.0
Dieldrin	Ave	15300714	13961040		0.0228	0.0250	-8.8	15.0
Endrin	Qua	12855565	12134800		0.0235	0.0250	-5.8	15.0
4,4'-DDD	Qua	12411603	11745360		0.0243	0.0250	-2.9	15.0
Endosulfan II	Ave	12881048	12398560		0.0241	0.0250	-3.7	15.0
Endrin aldehyde	Qua	9800834	8575040		0.0226	0.0250	-9.4	15.0
4,4'-DDT	Qua	7661067	7337240		0.0230	0.0250	-8.2	15.0
Endosulfan sulfate	Ave	11612039	10551480		0.0227	0.0250	-9.1	15.0
Methoxychlor	Ave	4603497	4234560		0.0230	0.0250	-8.0	15.0
Endrin ketone	Qua	8828331	8087760		0.0231	0.0250	-7.6	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 180-67462/10 Calibration Date: 03/26/2013 16:08

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000974.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.88	4.85	4.91
gamma-BHC (Lindane)	5.14	5.11	5.17
beta-BHC	5.30	5.27	5.33
delta-BHC	5.49	5.46	5.52
Heptachlor	5.60	5.57	5.63
Aldrin	5.88	5.85	5.91
Heptachlor epoxide	6.24	6.21	6.27
gamma-Chlordane	6.45	6.42	6.48
alpha-Chlordane	6.52	6.49	6.55
Endosulfan I	6.56	6.53	6.59
4,4'-DDE	6.68	6.65	6.71
Dieldrin	6.80	6.77	6.83
Endrin	7.00	6.97	7.03
4,4'-DDD	7.13	7.10	7.16
Endosulfan II	7.20	7.17	7.23
Endrin aldehyde	7.31	7.28	7.34
4,4'-DDT	7.41	7.38	7.44
Endosulfan sulfate	7.53	7.49	7.55
Methoxychlor	7.85	7.82	7.88
Endrin ketone	7.96	7.93	7.99
DCB Decachlorobiphenyl (Surr)	0.00	9.51	9.61
Tetrachloro-m-xylene	0.00	4.49	4.55

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 180-67462/10 Calibration Date: 03/26/2013 16:08

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000974.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13048132	12284960		0.0235	0.0250	-5.8	15.0
gamma-BHC (Lindane)	Ave	13549957	13051800		0.0241	0.0250	-3.7	15.0
beta-BHC	Qua	7427357	6792720		0.0239	0.0250	-4.5	15.0
Heptachlor	Ave	10865019	10456960		0.0241	0.0250	-3.8	15.0
delta-BHC	Ave	12950553	11883120		0.0229	0.0250	-8.2	15.0
Aldrin	Ave	13488353	13114240		0.0243	0.0250	-2.8	15.0
Heptachlor epoxide	Qua	11782456	11294200		0.0239	0.0250	-4.5	15.0
gamma-Chlordane	Ave	12387492	11733160		0.0237	0.0250	-5.3	15.0
alpha-Chlordane	Ave	12189858	11451720		0.0235	0.0250	-6.1	15.0
Endosulfan I	Qua	11134704	10224920		0.0235	0.0250	-5.9	15.0
4,4'-DDE	Qua	13071762	12667040		0.0242	0.0250	-3.4	15.0
Dieldrin	Ave	11915364	11488280		0.0241	0.0250	-3.6	15.0
Endrin	Qua	9568744	9100400		0.0238	0.0250	-4.6	15.0
4,4'-DDD	Qua	9035027	8854640		0.0243	0.0250	-2.8	15.0
Endosulfan II	Qua	10166710	10031040		0.0247	0.0250	-1.1	15.0
4,4'-DDT	Qua	5197840	5443640		0.0244	0.0250	-2.4	15.0
Endrin aldehyde	Qua	7167020	6432920		0.0227	0.0250	-9.3	15.0
Endosulfan sulfate	Ave	9068933	8674760		0.0239	0.0250	-4.3	15.0
Methoxychlor	Ave	3091398	2997240		0.0242	0.0250	-3.0	15.0
Endrin ketone	Qua	3566055	3387240		0.0236	0.0250	-5.6	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 180-67462/10 Calibration Date: 03/26/2013 16:08

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000974.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.06	5.03	5.09
gamma-BHC (Lindane)	5.36	5.33	5.39
beta-BHC	5.61	5.58	5.64
Heptachlor	5.68	5.65	5.71
delta-BHC	5.83	5.80	5.86
Aldrin	5.94	5.91	5.97
Heptachlor epoxide	6.40	6.37	6.43
gamma-Chlordane	6.62	6.60	6.66
alpha-Chlordane	6.69	6.66	6.72
Endosulfan I	6.75	6.72	6.78
4,4'-DDE	6.83	6.80	6.86
Dieldrin	7.00	6.97	7.03
Endrin	7.27	7.24	7.30
4,4'-DDD	7.36	7.33	7.39
Endosulfan II	7.54	7.51	7.57
4,4'-DDT	7.60	7.57	7.63
Endrin aldehyde	7.70	7.68	7.74
Endosulfan sulfate	7.91	7.88	7.94
Methoxychlor	8.14	8.11	8.17
Endrin ketone	8.47	8.44	8.50
DCB Decachlorobiphenyl (Surr)	0.00	9.96	10.02
Tetrachloro-m-xylene	0.00	4.56	4.62

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/12 Calibration Date: 03/26/2013 20:47

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000992.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	21291751	19883360		0.0233	0.0250	-6.6	15.0
gamma-BHC (Lindane)	Ave	19638039	17850040		0.0227	0.0250	-9.1	15.0
beta-BHC	Qua	9477658	8195080		0.0224	0.0250	-10.3	15.0
delta-BHC	Ave	19617696	17545160		0.0224	0.0250	-10.6	15.0
Heptachlor	Ave	15946238	14217400		0.0223	0.0250	-10.8	15.0
Aldrin	Ave	17343589	15718160		0.0227	0.0250	-9.4	15.0
Heptachlor epoxide	Ave	15167111	13684960		0.0226	0.0250	-9.8	15.0
gamma-Chlordane	Ave	15695885	13686680		0.0218	0.0250	-12.8	15.0
alpha-Chlordane	Ave	15182400	13303520		0.0219	0.0250	-12.4	15.0
Endosulfan I	Ave	13884650	12366520		0.0223	0.0250	-10.9	15.0
4,4'-DDE	Qua	15982742	14529400		0.0227	0.0250	-9.2	15.0
Dieldrin	Ave	15300714	14014640		0.0229	0.0250	-8.4	15.0
Endrin	Qua	12855565	11801240		0.0229	0.0250	-8.5	15.0
4,4'-DDD	Qua	12411603	11095160		0.0229	0.0250	-8.3	15.0
Endosulfan II	Ave	12881048	11725800		0.0228	0.0250	-9.0	15.0
Endrin aldehyde	Qua	9800834	8837120		0.0234	0.0250	-6.6	15.0
4,4'-DDT	Qua	7661067	6756520		0.0212	0.0250	-15.2*	15.0
Endosulfan sulfate	Ave	11612039	10344240		0.0223	0.0250	-10.9	15.0
Methoxychlor	Ave	4603497	4087240		0.0222	0.0250	-11.2	15.0
Endrin ketone	Qua	8828331	7841000		0.0224	0.0250	-10.5	15.0
Tetrachloro-m-xylene	Ave	19085392	17928680		0.0235	0.0250	-6.1	15.0
DCB Decachlorobiphenyl (Surr)	Qua	7469065	6882160		0.0245	0.0250	-2.1	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/12 Calibration Date: 03/26/2013 20:47

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000992.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.87	4.85	4.91
gamma-BHC (Lindane)	5.14	5.11	5.17
beta-BHC	5.30	5.27	5.33
delta-BHC	5.49	5.46	5.52
Heptachlor	5.60	5.57	5.63
Aldrin	5.88	5.85	5.91
Heptachlor epoxide	6.24	6.21	6.27
gamma-Chlordane	6.45	6.42	6.48
alpha-Chlordane	6.52	6.49	6.55
Endosulfan I	6.56	6.53	6.59
4,4'-DDE	6.68	6.65	6.71
Dieldrin	6.80	6.77	6.83
Endrin	7.00	6.97	7.03
4,4'-DDD	7.13	7.10	7.16
Endosulfan II	7.20	7.17	7.23
Endrin aldehyde	7.31	7.28	7.34
4,4'-DDT	7.41	7.38	7.44
Endosulfan sulfate	7.52	7.49	7.55
Methoxychlor	7.85	7.82	7.88
Endrin ketone	7.96	7.93	7.99
Tetrachloro-m-xylene	4.52	4.49	4.55
DCB Decachlorobiphenyl (Surr)	9.56	9.51	9.61

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/12 Calibration Date: 03/26/2013 20:47

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000992.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13048132	12226680		0.0234	0.0250	-6.3	15.0
gamma-BHC (Lindane)	Ave	13549957	12385840		0.0229	0.0250	-8.6	15.0
beta-BHC	Qua	7427357	6369720		0.0223	0.0250	-10.6	15.0
Heptachlor	Ave	10865019	10306240		0.0237	0.0250	-5.1	15.0
delta-BHC	Ave	12950553	11778960		0.0227	0.0250	-9.0	15.0
Aldrin	Ave	13488353	12260560		0.0227	0.0250	-9.1	15.0
Heptachlor epoxide	Qua	11782456	10480360		0.0221	0.0250	-11.7	15.0
gamma-Chlordane	Ave	12387492	10900520		0.0220	0.0250	-12.0	15.0
alpha-Chlordane	Ave	12189858	10722800		0.0220	0.0250	-12.0	15.0
Endosulfan I	Qua	11134704	9980280		0.0229	0.0250	-8.2	15.0
4,4'-DDE	Qua	13071762	12055840		0.0229	0.0250	-8.2	15.0
Dieldrin	Ave	11915364	10583520		0.0222	0.0250	-11.2	15.0
Endrin	Qua	9568744	8664080		0.0227	0.0250	-9.4	15.0
4,4'-DDD	Qua	9035027	8107080		0.0222	0.0250	-11.2	15.0
Endosulfan II	Qua	10166710	9103760		0.0224	0.0250	-10.6	15.0
4,4'-DDT	Qua	5197840	5025360		0.0226	0.0250	-9.6	15.0
Endrin aldehyde	Qua	7167020	6321480		0.0223	0.0250	-11.0	15.0
Endosulfan sulfate	Ave	9068933	8313880		0.0229	0.0250	-8.3	15.0
Methoxychlor	Ave	3091398	2991120		0.0242	0.0250	-3.2	15.0
Endrin ketone	Qua	3566055	3340720		0.0233	0.0250	-6.9	15.0
Tetrachloro-m-xylene	Ave	15853082	15051560		0.0237	0.0250	-5.1	15.0
DCB Decachlorobiphenyl (Surr)	Qua	5549295	5156240		0.0244	0.0250	-2.6	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/12 Calibration Date: 03/26/2013 20:47

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000992.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.06	5.03	5.09
gamma-BHC (Lindane)	5.36	5.33	5.39
beta-BHC	5.61	5.58	5.64
Heptachlor	5.68	5.65	5.71
delta-BHC	5.83	5.80	5.86
Aldrin	5.94	5.91	5.97
Heptachlor epoxide	6.40	6.37	6.43
gamma-Chlordane	6.62	6.60	6.66
alpha-Chlordane	6.69	6.66	6.72
Endosulfan I	6.75	6.72	6.78
4,4'-DDE	6.83	6.80	6.86
Dieldrin	7.00	6.97	7.03
Endrin	7.27	7.24	7.30
4,4'-DDD	7.35	7.33	7.39
Endosulfan II	7.54	7.51	7.57
4,4'-DDT	7.60	7.57	7.63
Endrin aldehyde	7.70	7.68	7.74
Endosulfan sulfate	7.91	7.88	7.94
Methoxychlor	8.14	8.11	8.17
Endrin ketone	8.47	8.44	8.50
Tetrachloro-m-xylene	4.59	4.56	4.62
DCB Decachlorobiphenyl (Surr)	9.99	9.96	10.02

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/22 Calibration Date: 03/27/2013 01:42

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313001011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	21291751	18622560		0.0219	0.0250	-12.5	15.0
gamma-BHC (Lindane)	Ave	19638039	16695360		0.0213	0.0250	-15.0	15.0
beta-BHC	Qua	9477658	7393120		0.0202	0.0250	-19.2*	15.0
delta-BHC	Ave	19617696	16108760		0.0205	0.0250	-17.9*	15.0
Heptachlor	Ave	15946238	13330040		0.0209	0.0250	-16.4*	15.0
Aldrin	Ave	17343589	14265560		0.0206	0.0250	-17.7*	15.0
Heptachlor epoxide	Ave	15167111	12367240		0.0204	0.0250	-18.5*	15.0
gamma-Chlordane	Ave	15695885	12508280		0.0199	0.0250	-20.3*	15.0
alpha-Chlordane	Ave	15182400	11641080		0.0192	0.0250	-23.3*	15.0
Endosulfan I	Ave	13884650	11401480		0.0205	0.0250	-17.9*	15.0
4,4'-DDE	Qua	15982742	12745440		0.0199	0.0250	-20.5*	15.0
Dieldrin	Ave	15300714	12240360		0.0200	0.0250	-20.0*	15.0
Endrin	Qua	12855565	10674800		0.0206	0.0250	-17.4*	15.0
4,4'-DDD	Qua	12411603	10116600		0.0209	0.0250	-16.5*	15.0
Endosulfan II	Ave	12881048	10733280		0.0208	0.0250	-16.7*	15.0
Endrin aldehyde	Qua	9800834	7351120		0.0193	0.0250	-22.7*	15.0
4,4'-DDT	Qua	7661067	6088160		0.0192	0.0250	-23.2*	15.0
Endosulfan sulfate	Ave	11612039	9354640		0.0201	0.0250	-19.4*	15.0
Methoxychlor	Ave	4603497	3786160		0.0206	0.0250	-17.8*	15.0
Endrin ketone	Qua	8828331	7021480		0.0200	0.0250	-20.0*	15.0
Tetrachloro-m-xylene	Ave	19085392	16998280		0.0223	0.0250	-10.9	15.0
DCB Decachlorobiphenyl (Surr)	Qua	7469065	6205800		0.0220	0.0250	-12.0	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/22 Calibration Date: 03/27/2013 01:42

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313001011.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.88	4.85	4.91
gamma-BHC (Lindane)	5.14	5.11	5.17
beta-BHC	5.30	5.27	5.33
delta-BHC	5.49	5.46	5.52
Heptachlor	5.60	5.57	5.63
Aldrin	5.88	5.85	5.91
Heptachlor epoxide	6.24	6.21	6.27
gamma-Chlordane	6.45	6.42	6.48
alpha-Chlordane	6.52	6.49	6.55
Endosulfan I	6.56	6.53	6.59
4,4'-DDE	6.68	6.65	6.71
Dieldrin	6.80	6.77	6.83
Endrin	7.00	6.97	7.03
4,4'-DDD	7.13	7.10	7.16
Endosulfan II	7.20	7.17	7.23
Endrin aldehyde	7.31	7.28	7.34
4,4'-DDT	7.41	7.38	7.44
Endosulfan sulfate	7.52	7.49	7.55
Methoxychlor	7.85	7.82	7.88
Endrin ketone	7.96	7.93	7.99
Tetrachloro-m-xylene	4.52	4.49	4.55
DCB Decachlorobiphenyl (Surr)	9.56	9.51	9.61

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/22 Calibration Date: 03/27/2013 01:42

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313001011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13048132	11281160		0.0216	0.0250	-13.5	15.0
gamma-BHC (Lindane)	Ave	13549957	11584560		0.0214	0.0250	-14.5	15.0
beta-BHC	Qua	7427357	5808560		0.0203	0.0250	-18.7*	15.0
Heptachlor	Ave	10865019	8822800		0.0203	0.0250	-18.8*	15.0
delta-BHC	Ave	12950553	10694200		0.0206	0.0250	-17.4*	15.0
Aldrin	Ave	13488353	11120880		0.0206	0.0250	-17.6*	15.0
Heptachlor epoxide	Qua	11782456	9354640		0.0196	0.0250	-21.5*	15.0
gamma-Chlordane	Ave	12387492	9773760		0.0197	0.0250	-21.1*	15.0
alpha-Chlordane	Ave	12189858	9411760		0.0193	0.0250	-22.8*	15.0
Endosulfan I	Qua	11134704	8776120		0.0200	0.0250	-19.8*	15.0
4,4'-DDE	Qua	13071762	10392240		0.0197	0.0250	-21.3*	15.0
Dieldrin	Ave	11915364	9475560		0.0199	0.0250	-20.5*	15.0
Endrin	Qua	9568744	7867640		0.0205	0.0250	-18.0*	15.0
4,4'-DDD	Qua	9035027	7304160		0.0199	0.0250	-20.3*	15.0
Endosulfan II	Qua	10166710	7890440		0.0193	0.0250	-22.9*	15.0
4,4'-DDT	Qua	5197840	4142680		0.0188	0.0250	-25.0*	15.0
Endrin aldehyde	Qua	7167020	5493760		0.0193	0.0250	-23.0*	15.0
Endosulfan sulfate	Ave	9068933	7372080		0.0203	0.0250	-18.7*	15.0
Methoxychlor	Ave	3091398	2544760		0.0206	0.0250	-17.7*	15.0
Endrin ketone	Qua	3566055	2892080		0.0202	0.0250	-19.3*	15.0
Tetrachloro-m-xylene	Ave	15853082	14303920		0.0226	0.0250	-9.8	15.0
DCB Decachlorobiphenyl (Surr)	Qua	5549295	4648600		0.0219	0.0250	-12.5	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/22 Calibration Date: 03/27/2013 01:42

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313001011.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.06	5.03	5.09
gamma-BHC (Lindane)	5.36	5.33	5.39
beta-BHC	5.61	5.58	5.64
Heptachlor	5.68	5.65	5.71
delta-BHC	5.83	5.80	5.86
Aldrin	5.94	5.91	5.97
Heptachlor epoxide	6.40	6.37	6.43
gamma-Chlordane	6.63	6.60	6.66
alpha-Chlordane	6.69	6.66	6.72
Endosulfan I	6.75	6.72	6.78
4,4'-DDE	6.83	6.80	6.86
Dieldrin	7.00	6.97	7.03
Endrin	7.27	7.24	7.30
4,4'-DDD	7.35	7.33	7.39
Endosulfan II	7.54	7.51	7.57
4,4'-DDT	7.60	7.57	7.63
Endrin aldehyde	7.71	7.68	7.74
Endosulfan sulfate	7.91	7.88	7.94
Methoxychlor	8.14	8.11	8.17
Endrin ketone	8.47	8.44	8.50
Tetrachloro-m-xylene	4.59	4.56	4.62
DCB Decachlorobiphenyl (Surr)	9.99	9.96	10.02

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67227/7 Calibration Date: 03/20/2013 22:14

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330775.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	283587	318670		0.562	0.500	12.4	15.0
PCB-1016 Peak 2	Ave	569504	646168		0.567	0.500	13.5	15.0
PCB-1016 Peak 3	Ave	169853	195918		0.577	0.500	15.3*	15.0
PCB-1016 Peak 4	Ave	223166	248474		0.557	0.500	11.3	15.0
PCB-1016 Peak 5	Ave	334221	364190		0.545	0.500	9.0	15.0
PCB-1260 Peak 1	Ave	853272	925180		0.542	0.500	8.4	15.0
PCB-1260 Peak 2	Ave	1112132	1205628		0.542	0.500	8.4	15.0
PCB-1260 Peak 3	Ave	1099131	1200880		0.546	0.500	9.3	15.0
PCB-1260 Peak 4	Ave	638575	713530		0.559	0.500	11.7	15.0
PCB-1260 Peak 5	Ave	1507952	1712236		0.568	0.500	13.5	15.0
Tetrachloro-m-xylene	Ave	16044101	19082200		0.0297	0.0250	18.9*	15.0
DCB Decachlorobiphenyl (Surr)	Ave	8636580	9597200		0.0278	0.0250	11.1	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67227/7 Calibration Date: 03/20/2013 22:14

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330775.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.83	4.79	4.89
PCB-1016 Peak 2	5.50	5.46	5.56
PCB-1016 Peak 3	5.82	5.79	5.89
PCB-1016 Peak 4	5.90	5.86	5.96
PCB-1016 Peak 5	6.62	6.58	6.68
PCB-1260 Peak 1	8.63	8.59	8.69
PCB-1260 Peak 2	8.87	8.83	8.93
PCB-1260 Peak 3	9.24	9.20	9.30
PCB-1260 Peak 4	9.67	9.63	9.73
PCB-1260 Peak 5	10.02	9.98	10.08
Tetrachloro-m-xylene	4.01	3.97	4.07
DCB Decachlorobiphenyl (Surr)	12.58	12.55	12.65

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67227/8 Calibration Date: 03/22/2013 13:40

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330833.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	283587	262555		0.926	1.00	-7.4	15.0
PCB-1016 Peak 2	Ave	569504	536940		0.943	1.00	-5.7	15.0
PCB-1016 Peak 3	Ave	169853	163922		0.965	1.00	-3.5	15.0
PCB-1016 Peak 4	Ave	223166	206022		0.923	1.00	-7.7	15.0
PCB-1016 Peak 5	Ave	334221	306495		0.917	1.00	-8.3	15.0
PCB-1260 Peak 1	Ave	853272	779313		0.913	1.00	-8.7	15.0
PCB-1260 Peak 2	Ave	1112132	1014542		0.912	1.00	-8.8	15.0
PCB-1260 Peak 3	Ave	1099131	1006995		0.916	1.00	-8.4	15.0
PCB-1260 Peak 4	Ave	638575	599182		0.938	1.00	-6.2	15.0
PCB-1260 Peak 5	Ave	1507952	1444727		0.958	1.00	-4.2	15.0
Tetrachloro-m-xylene	Ave	16044101	15718140		0.0490	0.0500	-2.0	15.0
DCB Decachlorobiphenyl (Surr)	Ave	8636580	7960980		0.0461	0.0500	-7.8	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67227/8 Calibration Date: 03/22/2013 13:40

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330833.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.83	4.79	4.89
PCB-1016 Peak 2	5.49	5.46	5.56
PCB-1016 Peak 3	5.82	5.79	5.89
PCB-1016 Peak 4	5.90	5.86	5.96
PCB-1016 Peak 5	6.62	6.58	6.68
PCB-1260 Peak 1	8.63	8.59	8.69
PCB-1260 Peak 2	8.87	8.83	8.93
PCB-1260 Peak 3	9.24	9.20	9.30
PCB-1260 Peak 4	9.66	9.63	9.73
PCB-1260 Peak 5	10.02	9.98	10.08
Tetrachloro-m-xylene	4.00	3.97	4.07
DCB Decachlorobiphenyl (Surr)	12.57	12.55	12.65

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67227/14 Calibration Date: 03/22/2013 16:57

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330841.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	283587	348431		1.23	1.00	22.9*	15.0
PCB-1016 Peak 2	Ave	569504	694627		1.22	1.00	22.0*	15.0
PCB-1016 Peak 3	Ave	169853	222239		1.31	1.00	30.8*	15.0
PCB-1016 Peak 4	Ave	223166	278343		1.25	1.00	24.7*	15.0
PCB-1016 Peak 5	Ave	334221	418740		1.25	1.00	25.3*	15.0
PCB-1260 Peak 1	Ave	853272	1021522		1.20	1.00	19.7*	15.0
PCB-1260 Peak 2	Ave	1112132	1319179		1.19	1.00	18.6*	15.0
PCB-1260 Peak 3	Ave	1099131	1325711		1.21	1.00	20.6*	15.0
PCB-1260 Peak 4	Ave	638575	786280		1.23	1.00	23.1*	15.0
PCB-1260 Peak 5	Ave	1507952	1892245		1.25	1.00	25.5*	15.0
Tetrachloro-m-xylene	Ave	16044101	21830580		0.0680	0.0500	36.1*	15.0
DCB Decachlorobiphenyl (Surr)	Ave	8636580	10303460		0.0597	0.0500	19.3*	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67227/14 Calibration Date: 03/22/2013 16:57

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330841.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.83	4.79	4.89
PCB-1016 Peak 2	5.50	5.46	5.56
PCB-1016 Peak 3	5.82	5.79	5.89
PCB-1016 Peak 4	5.90	5.86	5.96
PCB-1016 Peak 5	6.62	6.58	6.68
PCB-1260 Peak 1	8.63	8.59	8.69
PCB-1260 Peak 2	8.87	8.83	8.93
PCB-1260 Peak 3	9.24	9.20	9.30
PCB-1260 Peak 4	9.66	9.63	9.73
PCB-1260 Peak 5	10.02	9.98	10.08
Tetrachloro-m-xylene	4.00	3.97	4.07
DCB Decachlorobiphenyl (Surr)	12.57	12.55	12.65

FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-66997/1-A
Matrix: Water
Lab File ID: P0330835.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 14:29
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67227
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0014
11096-82-5	PCB-1260	ND		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	117		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	102		57-144

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330835.D
Report Date: 25-Mar-2013 13:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330835.D
Lab Smp Id: MB 180-66997/1-A
Inj Date : 22-MAR-2013 14:29
Operator : 402360 Inst ID: gc8.i
Smp Info : 03223B8608.b
Misc Info : MB 180-66997/1-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\03223B8608.b\PCBB608.m
Meth Date : 25-Mar-2013 13:48 gc8.i Quant Type: ESTD
Cal Date : 08-MAR-2013 22:13 Cal File: P0330321.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.005	4.015	-0.010	374427	0.02334	0.023337		(R)

---

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

Peaks not detected for Quant. or Qual. signal(s).

---

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

Peaks not detected for Quant. or Qual. signal(s).

---

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

Peaks not detected for Quant. or Qual. signal(s).

---

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

Operator disabled compound identification.

---

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

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330835.D
Report Date: 25-Mar-2013 13:48

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

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

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

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

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)               CAS #: 2051-24-3
12.574  12.599   -0.025          176738 0.02046  0.020464                      (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

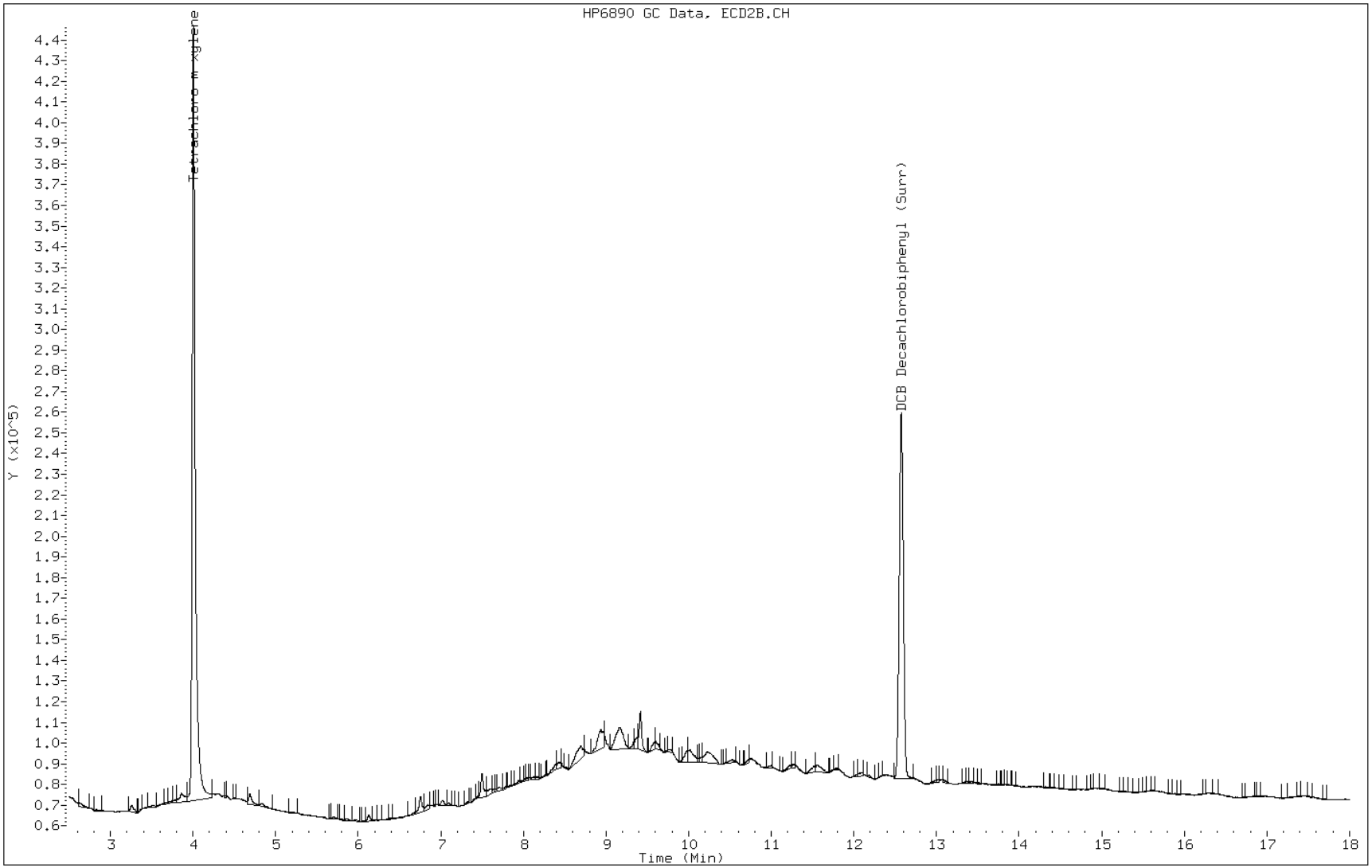
R - Spike/Surrogate failed recovery limits.

Data File: P0330835.D

Date: 22-MAR-2013 14:29

Client ID: Instrument: gc8.i

Sample Info: 03223B8608.b Operator: 402360



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-66997/1-A
Matrix: Water
Lab File ID: AQ0313000911.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/25/2013 17:11
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67287
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2385-85-5	Mirex	ND		0.0013	0.00048

Data File: \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000911.D
Report Date: 26-Mar-2013 06:54

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000911.D
Lab Smp Id: mb 180-66997/1-a
Inj Date : 25-MAR-2013 17:11
Operator : 402331 Inst ID: gc15.i
Smp Info : mb 180-66997/1-a,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\032513608APP.b\TPEST608A1.m
Meth Date : 26-Mar-2013 06:54 oravecj Quant Type: ESTD
Cal Date : 19-MAR-2013 13:52 Cal File: AQ0313000614.D
Als bottle: 32
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: APPX1.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
2 HCCPD	Compound Not Detected.					
5 Hexachlorobenzene	4.881	4.855	0.026	663	4e-005	0.00003518(a)
10 Dacthal	Compound Not Detected.					
14 Isodrin	Compound Not Detected.					
15 OXYCHLORDANE	6.133	6.136	-0.003	661	1e-004	0.0001315(a)
19 Chlorbenside	Compound Not Detected.					
38 Mirex	Compound Not Detected.					

QC Flag Legend

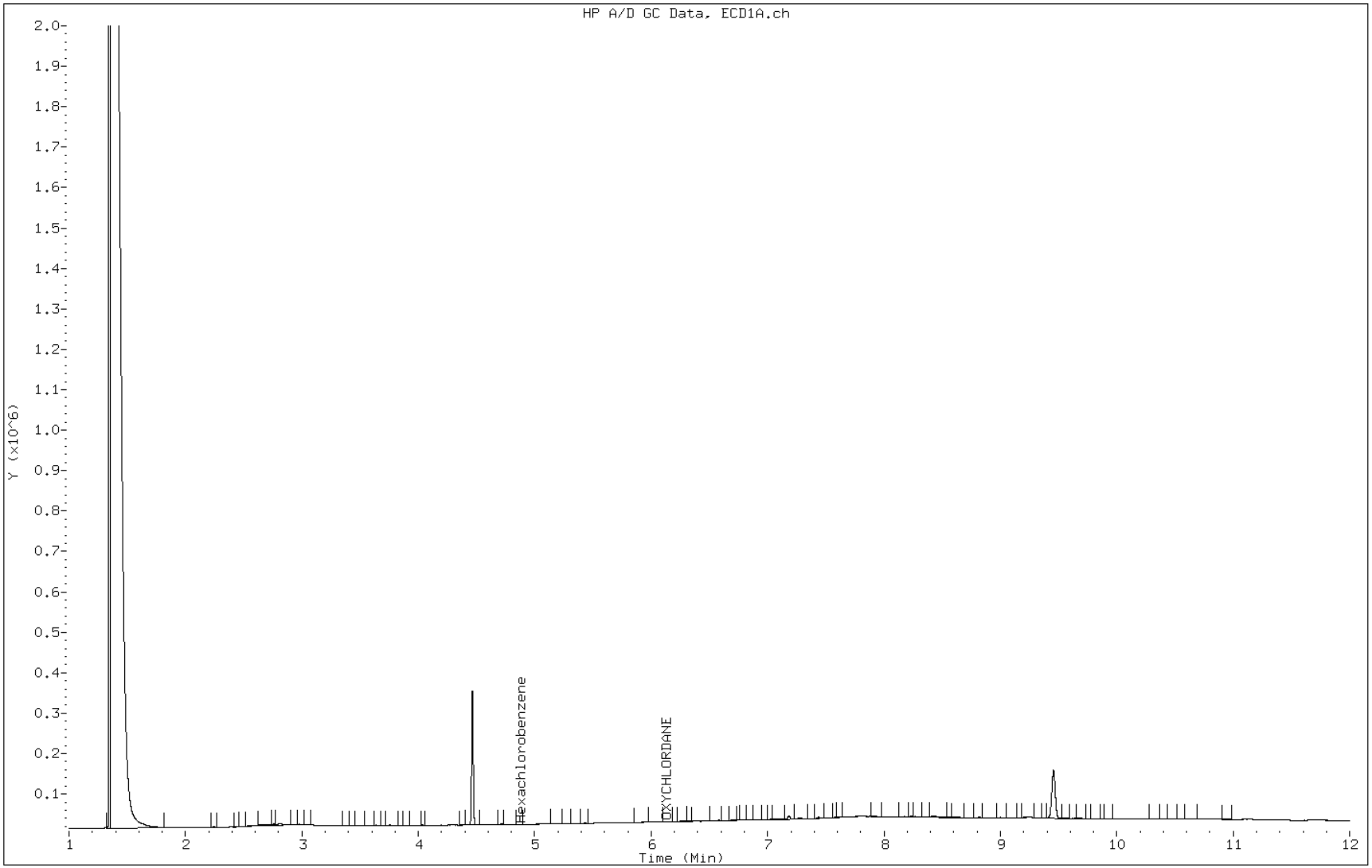
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: AQ0313000911.D

Date: 25-MAR-2013 17:11

Client ID: Instrument: gc15.i

Sample Info: mb 180-66997/1-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-66997/1-A
Matrix: Water
Lab File ID: AQ0313000994.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:18
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.0013	0.00083
319-84-6	alpha-BHC	ND		0.0013	0.00066
319-85-7	beta-BHC	ND		0.0013	0.0010
58-89-9	gamma-BHC (Lindane)	ND		0.0013	0.00080
319-86-8	delta-BHC	ND		0.0013	0.00038
57-74-9	Chlordane (technical)	ND		0.013	0.0017
72-54-8	4,4'-DDD	ND		0.0013	0.00067
72-55-9	4,4'-DDE	ND		0.0013	0.00079
50-29-3	4,4'-DDT	ND		0.0013	0.00074
60-57-1	Dieldrin	ND		0.0013	0.00082
959-98-8	Endosulfan I	ND		0.0013	0.00094
33213-65-9	Endosulfan II	ND		0.0013	0.00098
1031-07-8	Endosulfan sulfate	ND		0.0013	0.00057
72-20-8	Endrin	ND		0.0013	0.00096
7421-93-4	Endrin aldehyde	ND		0.0013	0.00090
76-44-8	Heptachlor	ND		0.0013	0.00099
1024-57-3	Heptachlor epoxide	ND		0.0013	0.00097
72-43-5	Methoxychlor	ND		0.0025	0.00091
8001-35-2	Toxaphene	ND		0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	90		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	81		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000994.D
Report Date: 27-Mar-2013 08:37

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000994.D
Lab Smp Id: mb 180-66997/1-a
Inj Date : 26-MAR-2013 21:18
Operator : 402331 Inst ID: gc15.i
Smp Info : mb 180-66997/1-a,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:29 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	345295	0.01809	0.01809(aR)
6 alpha-BHC	4.873	4.875	-0.002	965	5e-005	0.00004532(a)
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 beta-BHC	Compound Not Detected.					
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.487	5.491	-0.004	4305	2e-004	0.0002194(a)
12 Heptachlor	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
20 Heptachlor epoxide	6.260	6.236	0.024	1406	9e-005	0.00009270(a)
24 gamma-Chlordane	Compound Not Detected.					
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	6.820	6.801	0.019	1115	7e-005	0.00007287(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	Compound Not Detected.					
31 4,4'-DDD	Compound Not Detected.					
32 Endosulfan II	7.175	7.197	-0.022	1121	9e-005	0.00008703(a)
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	Compound Not Detected.					
35 Endosulfan sulfate	7.536	7.524	0.012	717	6e-005	0.00006175(a)
36 Methoxychlor	Compound Not Detected.					
37 Endrin ketone	7.945	7.957	-0.012	1985	8e-005	0.00007639(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.556	9.557	-0.001	115866	0.01631	0.01631

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000994.D
Report Date: 27-Mar-2013 08:37

QC Flag Legend

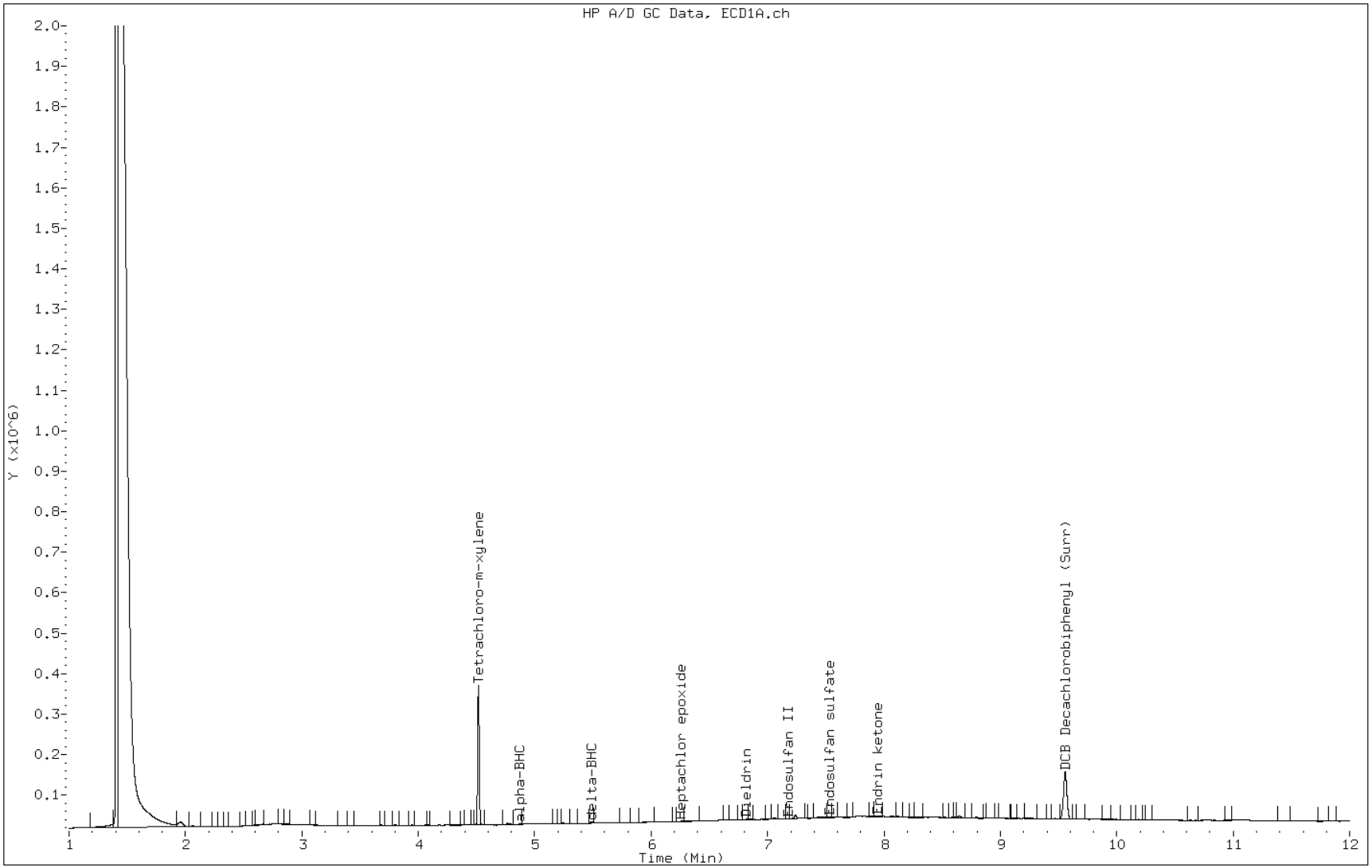
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: AQ0313000994.D

Date: 26-MAR-2013 21:18

Client ID: Instrument: gc15.i

Sample Info: mb 180-66997/1-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-66997/1-A
Matrix: Water
Lab File ID: BQ0313000994.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:18
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	79		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000994.D
Report Date: 27-Mar-2013 09:46

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000994.D
Lab Smp Id: mb 180-66997/1-a
Inj Date : 26-MAR-2013 21:18
Operator : 402331 Inst ID: gc15.i
Smp Info : mb 180-66997/1-a,2013.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:58 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.593	4.594	-0.001	296121	0.01868	0.01868(aR)
6 alpha-BHC	5.035	5.060	-0.025	688	5e-005	0.00005273(a)
7 gamma-BHC (Lindane)	5.332	5.361	-0.029	1068	8e-005	0.00007882(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	Compound Not Detected.					
11 Heptachlor	Compound Not Detected.					
13 delta-BHC	Compound Not Detected.					
17 Aldrin	5.917	5.943	-0.026	471	3e-005	0.00003492(a)
21 Heptachlor epoxide	Compound Not Detected.					
24 gamma-Chlordane	Compound Not Detected.					
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	6.991	6.999	-0.008	1058	9e-005	0.00008879(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	Compound Not Detected.					
30 4,4'-DDD	Compound Not Detected.					
32 Endosulfan II	Compound Not Detected.					
33 4,4'-DDT	Compound Not Detected.					
34 Endrin aldehyde	Compound Not Detected.					
35 Endosulfan sulfate	7.922	7.913	0.009	3658	4.e-004	0.0004034(a)
36 Methoxychlor	Compound Not Detected.					
38 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	9.984	9.985	-0.001	84776	0.01582	0.01582

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000994.D
Report Date: 27-Mar-2013 09:46

QC Flag Legend

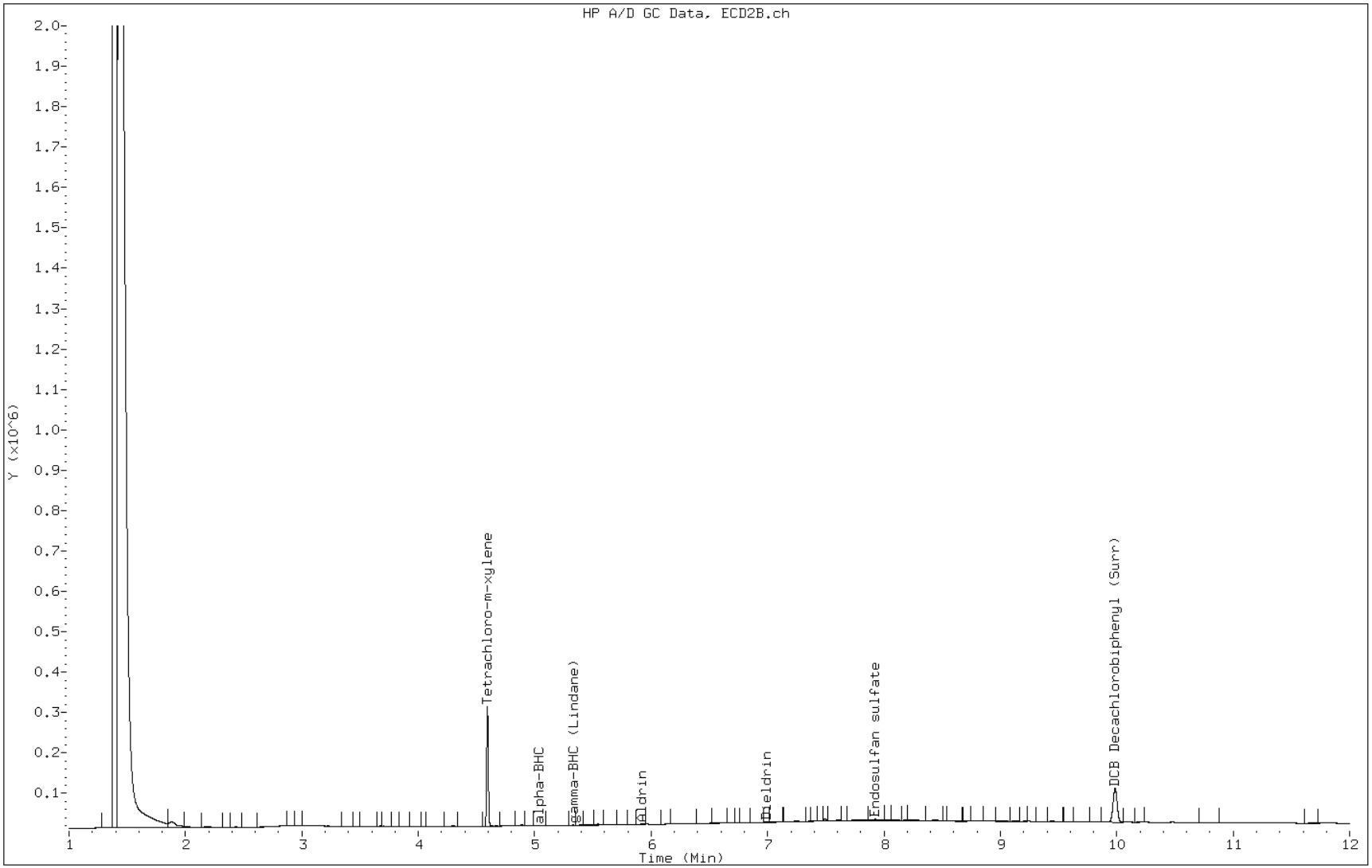
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: BQ0313000994.D

Date: 26-MAR-2013 21:18

Client ID: Instrument: gc15.i

Sample Info: mb 180-66997/1-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66997/2-A
Matrix: Water
Lab File ID: AQ0313000912.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/25/2013 17:27
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67287
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2385-85-5	Mirex	ND		0.0013	0.00048

Data File: \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000912.D
Report Date: 26-Mar-2013 06:54

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000912.D
Lab Smp Id: lcs 180-66997/2-a
Inj Date : 25-MAR-2013 17:27
Operator : 402331 Inst ID: gc15.i
Smp Info : lcs 180-66997/2-a
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\032513608APP.b\TPEST608A1.m
Meth Date : 26-Mar-2013 06:53 oravecj Quant Type: ESTD
Cal Date : 19-MAR-2013 13:52 Cal File: AQ0313000614.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: APPX1.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
2 HCCPD	Compound Not Detected.					
5 Hexachlorobenzene	4.873	4.855	0.018	2365	1e-004	0.0001255(a)
10 Dacthal	Compound Not Detected.					
14 Isodrin	6.094	6.094	0.000	5254	9e-004	0.0009331(a)
15 OXYCHLORDANE	Compound Not Detected.					
19 Chlorbenside	6.393	6.415	-0.022	303894	0.07366	0.07366
38 Mirex	Compound Not Detected.					

QC Flag Legend

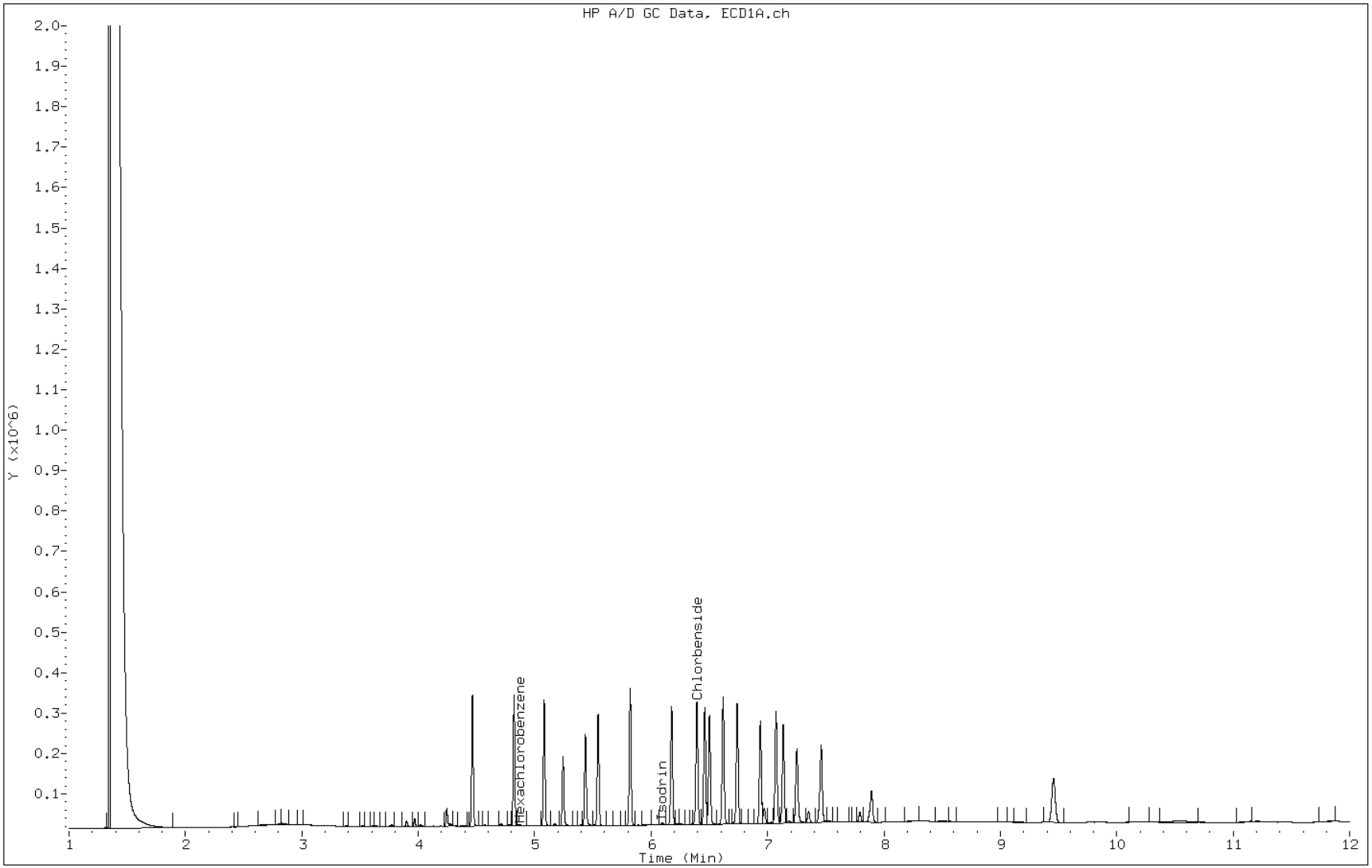
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: AQ0313000912.D

Date: 25-MAR-2013 17:27

Client ID: Instrument: gc15.i

Sample Info: lcs 180-66997/2-a Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66997/2-A
Matrix: Water
Lab File ID: AQ0313000995.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:34
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0201		0.0013	0.00083
319-84-6	alpha-BHC	0.0197		0.0013	0.00066
319-85-7	beta-BHC	0.0203		0.0013	0.0010
58-89-9	gamma-BHC (Lindane)	0.0204		0.0013	0.00080
319-86-8	delta-BHC	0.0165		0.0013	0.00038
57-74-9	Chlordane (technical)	ND		0.013	0.0017
72-54-8	4,4'-DDD	0.0200		0.0013	0.00067
72-55-9	4,4'-DDE	0.0192		0.0013	0.00079
60-57-1	Dieldrin	0.0193		0.0013	0.00082
959-98-8	Endosulfan I	0.0196		0.0013	0.00094
33213-65-9	Endosulfan II	0.0194		0.0013	0.00098
1031-07-8	Endosulfan sulfate	0.0192		0.0013	0.00057
72-20-8	Endrin	0.0199		0.0013	0.00096
7421-93-4	Endrin aldehyde	0.0204		0.0013	0.00090
76-44-8	Heptachlor	0.0214		0.0013	0.00099
1024-57-3	Heptachlor epoxide	0.0200		0.0013	0.00097
8001-35-2	Toxaphene	ND		0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	82		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000995.D
Report Date: 27-Mar-2013 08:37

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000995.D
Lab Smp Id: lcs 180-66997/2-a
Inj Date : 26-MAR-2013 21:34
Operator : 402331 Inst ID: gc15.i
Smp Info : lcs 180-66997/2-a
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:29 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	337728	0.01770	0.01770(aR)
6 alpha-BHC	4.875	4.875	0.000	418472	0.01965	0.01965(a)
7 gamma-BHC (Lindane)	5.135	5.135	0.000	401099	0.02042	0.02042(a)
8 beta-BHC	5.296	5.296	0.000	185367	0.02025	0.02025(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.490	5.491	-0.001	324363	0.01653	0.01653(a)
12 Heptachlor	5.601	5.602	-0.001	341798	0.02143	0.02143(a)
17 Aldrin	5.879	5.878	0.001	348547	0.02010	0.02010(a)
20 Heptachlor epoxide	6.235	6.236	-0.001	302739	0.01996	0.01996(a)
24 gamma-Chlordane	6.453	6.453	0.000	304493	0.01940	0.01940(a)
25 alpha-Chlordane	6.519	6.520	-0.001	289035	0.01904	0.01904(a)
26 Endosulfan I	6.562	6.562	0.000	271577	0.01956	0.01956(a)
27 4,4'-DDE	6.677	6.677	0.000	307468	0.01917	0.01917(a)
28 Dieldrin	6.800	6.801	-0.001	295476	0.01931	0.01931(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	7.000	6.999	0.001	257281	0.01988	0.01988(a)
31 4,4'-DDD	7.132	7.133	-0.001	242008	0.01996	0.01996(a)
32 Endosulfan II	7.197	7.197	0.000	249539	0.01937	0.01937(a)
33 Endrin aldehyde	7.314	7.314	0.000	194034	0.02044	0.02044(a)
34 4,4'-DDT	7.412	7.412	0.000	168830	0.02120	0.02120(a)
35 Endosulfan sulfate	7.524	7.524	0.000	222865	0.01919	0.01919(a)
36 Methoxychlor	7.853	7.853	0.000	99826	0.02168	0.02168(a)
37 Endrin ketone	7.958	7.957	0.001	179613	0.02048	0.02048(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.556	9.557	-0.001	117053	0.01648	0.01648

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000995.D
Report Date: 27-Mar-2013 08:37

QC Flag Legend

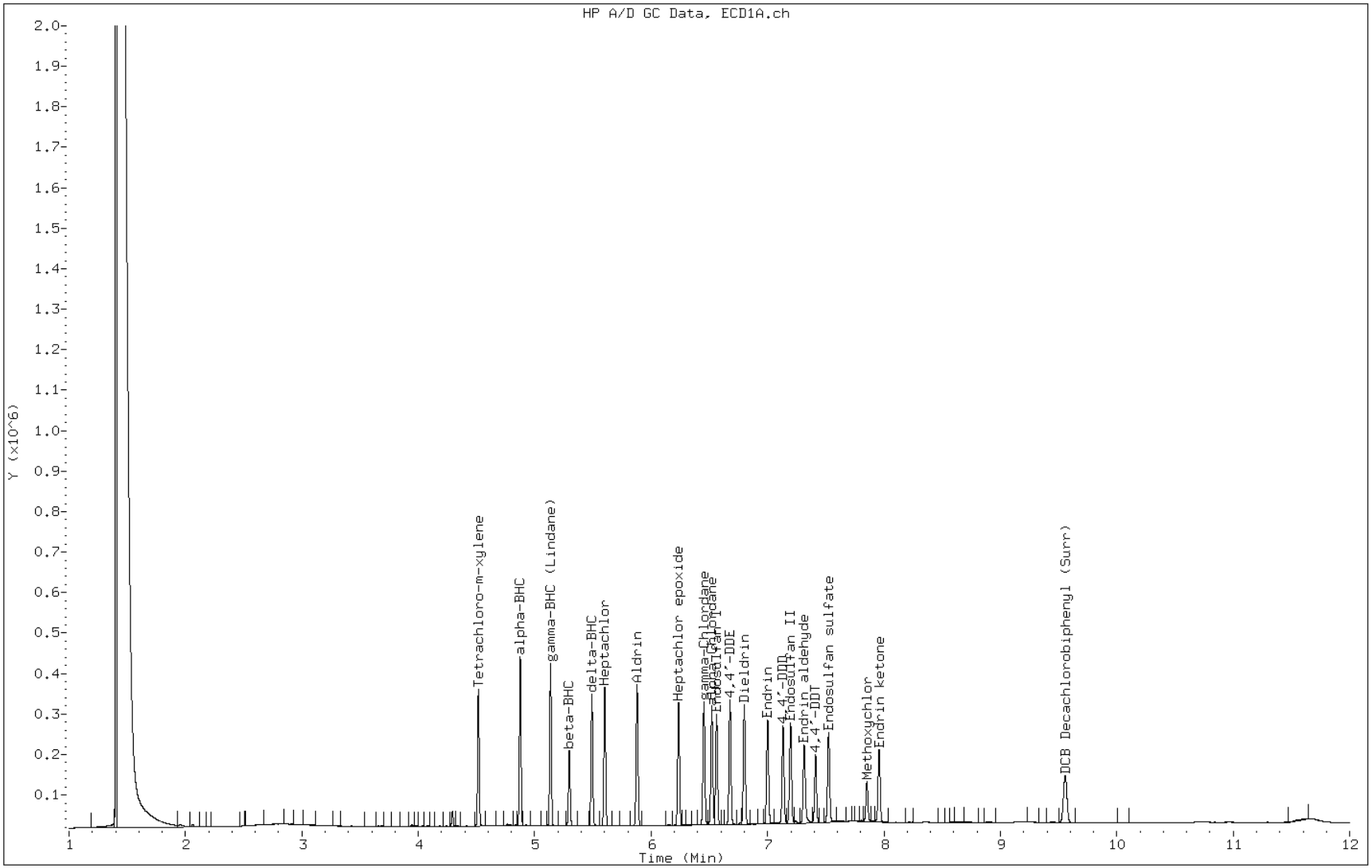
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: AQ0313000995.D

Date: 26-MAR-2013 21:34

Client ID: Instrument: gc15.i

Sample Info: lcs 180-66997/2-a Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66997/2-A
Matrix: Water
Lab File ID: BQ0313000995.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:34
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-29-3	4,4'-DDT	0.0207		0.0013	0.00074
72-43-5	Methoxychlor	0.0214		0.0025	0.00091

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	82		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000995.D
Report Date: 27-Mar-2013 09:06

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000995.D
Lab Smp Id: lcs 180-66997/2-a
Inj Date : 26-MAR-2013 21:34
Operator : 402331 Inst ID: gc15.i
Smp Info : lcs 180-66997/2-a
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:58 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.593	4.594	-0.001	280411	0.01769	0.01769(aR)
6 alpha-BHC	5.060	5.060	0.000	269880	0.02068	0.02068(a)
7 gamma-BHC (Lindane)	5.361	5.361	0.000	277755	0.02050	0.02050(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	5.606	5.607	-0.001	145492	0.02036	0.02036(a)
11 Heptachlor	5.676	5.677	-0.001	235864	0.02171	0.02171(a)
13 delta-BHC	5.833	5.833	0.000	217399	0.01679	0.01679(a)
17 Aldrin	5.943	5.943	0.000	276503	0.02050	0.02050(a)
21 Heptachlor epoxide	6.396	6.397	-0.001	236314	0.01984	0.01984(a)
24 gamma-Chlordane	6.624	6.625	-0.001	243841	0.01968	0.01968(a)
25 alpha-Chlordane	6.685	6.685	0.000	235628	0.01933	0.01933(a)
26 Endosulfan I	6.751	6.752	-0.001	214833	0.01961	0.01960(a)
27 4,4'-DDE	6.831	6.832	-0.001	258768	0.01959	0.01959(a)
28 Dieldrin	6.998	6.999	-0.001	234977	0.01972	0.01972(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.266	7.267	-0.001	193296	0.02013	0.02013(a)
30 4,4'-DDD	7.354	7.355	-0.001	180115	0.01964	0.01964(a)
32 Endosulfan II	7.536	7.537	-0.001	203353	0.01990	0.01990(a)
33 4,4'-DDT	7.598	7.600	-0.002	114931	0.02073	0.02073(a)
34 Endrin aldehyde	7.704	7.706	-0.002	140514	0.01971	0.01971(a)
35 Endosulfan sulfate	7.912	7.913	-0.001	175061	0.01930	0.01930(a)
36 Methoxychlor	8.140	8.141	-0.001	66026	0.02136	0.02136(a)
38 Endrin ketone	8.470	8.468	0.002	71785	0.02003	0.02003(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.984	9.985	-0.001	88506	0.01653	0.01653

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000995.D
Report Date: 27-Mar-2013 09:06

QC Flag Legend

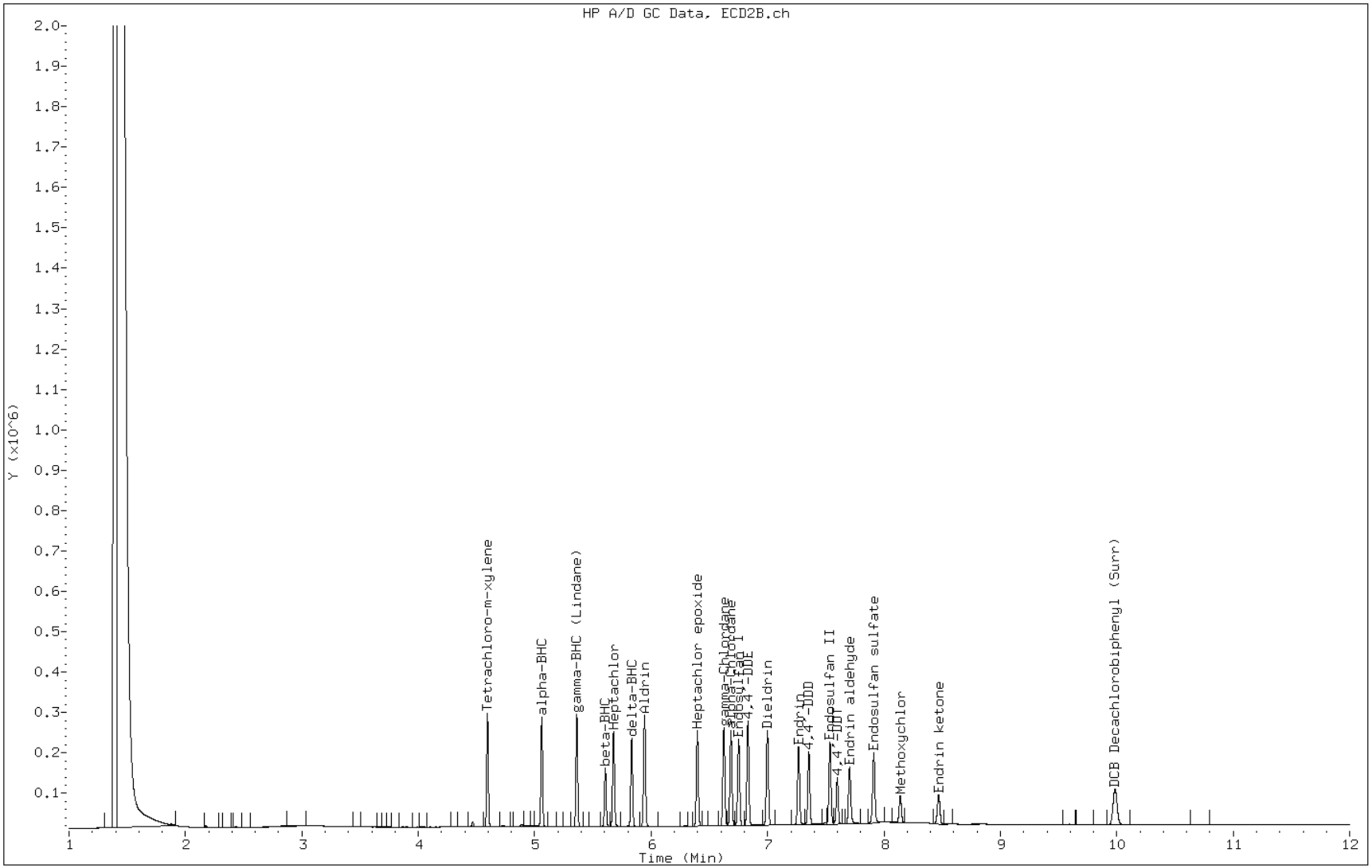
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: BQ0313000995.D

Date: 26-MAR-2013 21:34

Client ID: Instrument: gc15.i

Sample Info: lcs 180-66997/2-a Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66997/4-A
Matrix: Water
Lab File ID: P0330836.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 14:54
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67227
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.968		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0014
11096-82-5	PCB-1260	0.975		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	99		57-144

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330836.D
Report Date: 25-Mar-2013 13:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330836.D
Lab Smp Id: LCS 180-66997/4-A
Inj Date : 22-MAR-2013 14:54
Operator : 402360 Inst ID: gc8.i
Smp Info : 03223B8608.b
Misc Info : LCS 180-66997/4-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\03223B8608.b\PCBB608.m
Meth Date : 25-Mar-2013 13:48 gc8.i Quant Type: ESTD
Cal Date : 08-MAR-2013 22:13 Cal File: P0330321.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.004	4.015	-0.011	335745	0.02093	0.020926		(R)
1 Aroclor-1221					CAS #: 11104-28-2		
Operator disabled compound identification.							
4 Aroclor-1016					CAS #: 12674-11-2		
4.826	4.838	-0.012	274990	0.96968	0.96968	0.00- 0.00	0.00(a)
5.496	5.508	-0.012	558173	0.98010	0.98010	100.00- 100.00	0.00
5.821	5.835	-0.014	167887	0.98843	0.98843	223.51- 223.51	0.00
5.899	5.914	-0.015	211908	0.94955	0.94955	223.51- 223.51	0.00
6.618	6.631	-0.013	318760	0.95374	0.95374	317.56- 317.56	0.00
Average of Peak Concentrations =					0.96830		
3 Aroclor-1232					CAS #: 11141-16-5		
Operator disabled compound identification.							
6 Aroclor-1248					CAS #: 12672-29-6		
Operator disabled compound identification.							

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330836.D
Report Date: 25-Mar-2013 13:48

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

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

Operator disabled compound identification.
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Operator disabled compound identification.
-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5
8.628    8.640   -0.012          815607 0.95586  0.95586   0.00-   0.00     0.00(a)
8.871    8.882   -0.011         1066088 0.95860  0.95860 115.86- 115.86     0.00
9.237    9.248   -0.011         1070776 0.97420  0.97420 136.91- 136.91     0.00
9.664    9.677   -0.013          628934 0.98490  0.98490 140.00- 140.00     0.00
10.018  10.031   -0.013         1507463 0.99968  0.99968 128.33- 128.33     0.00
               Average of Peak Concentrations =  0.97465
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)                CAS #: 2051-24-3
12.573  12.599   -0.026          171467 0.01985  0.019854                      (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

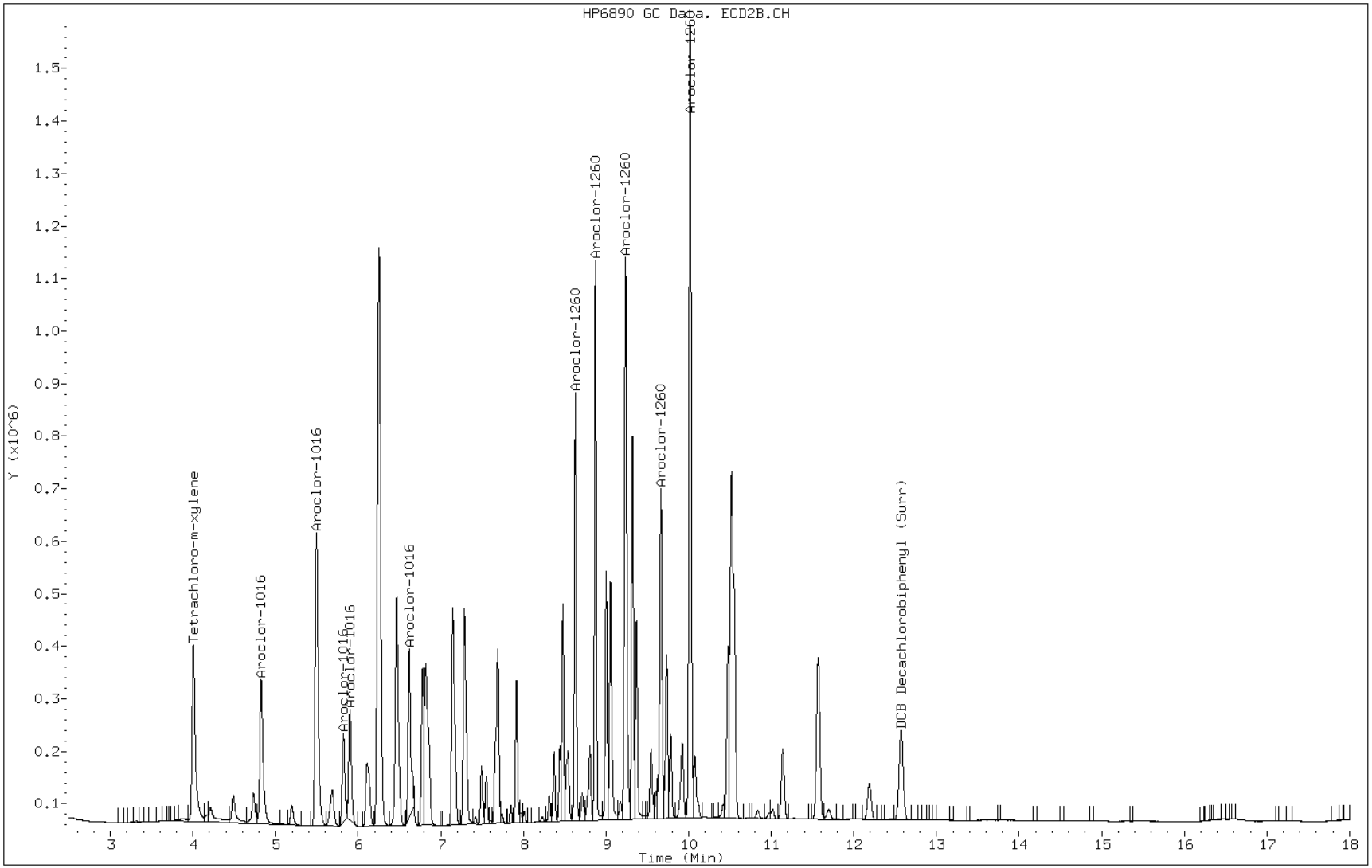
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: P0330836.D

Date: 22-MAR-2013 14:54

Client ID: Instrument: gc8.i

Sample Info: 03223B8608.b Operator: 402360



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66997/3-A
Matrix: Water
Lab File ID: AQ0313000913.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/25/2013 17:42
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67287
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2385-85-5	Mirex	ND		0.0013	0.00048

Data File: \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000913.D
Report Date: 26-Mar-2013 06:54

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000913.D
Lab Smp Id: lcsd 180-66997/3-a
Inj Date : 25-MAR-2013 17:42
Operator : 402331 Inst ID: gc15.i
Smp Info : lcsd 180-66997/3-a,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\032513608APP.b\TPEST608A1.m
Meth Date : 26-Mar-2013 06:53 oravecj Quant Type: ESTD
Cal Date : 19-MAR-2013 13:52 Cal File: AQ0313000614.D
Als bottle: 34
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: APPX1.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
2 HCCPD	Compound Not Detected.					
5 Hexachlorobenzene	4.870	4.855	0.015	2341	1e-004	0.0001242(a)
10 Dacthal	Compound Not Detected.					
14 Isodrin	6.094	6.094	0.000	5500	1e-003	0.0009768(a)
15 OXYCHLORDANE	Compound Not Detected.					
19 Chlorbenside	6.393	6.415	-0.022	310080	0.07503	0.07503
38 Mirex	Compound Not Detected.					

QC Flag Legend

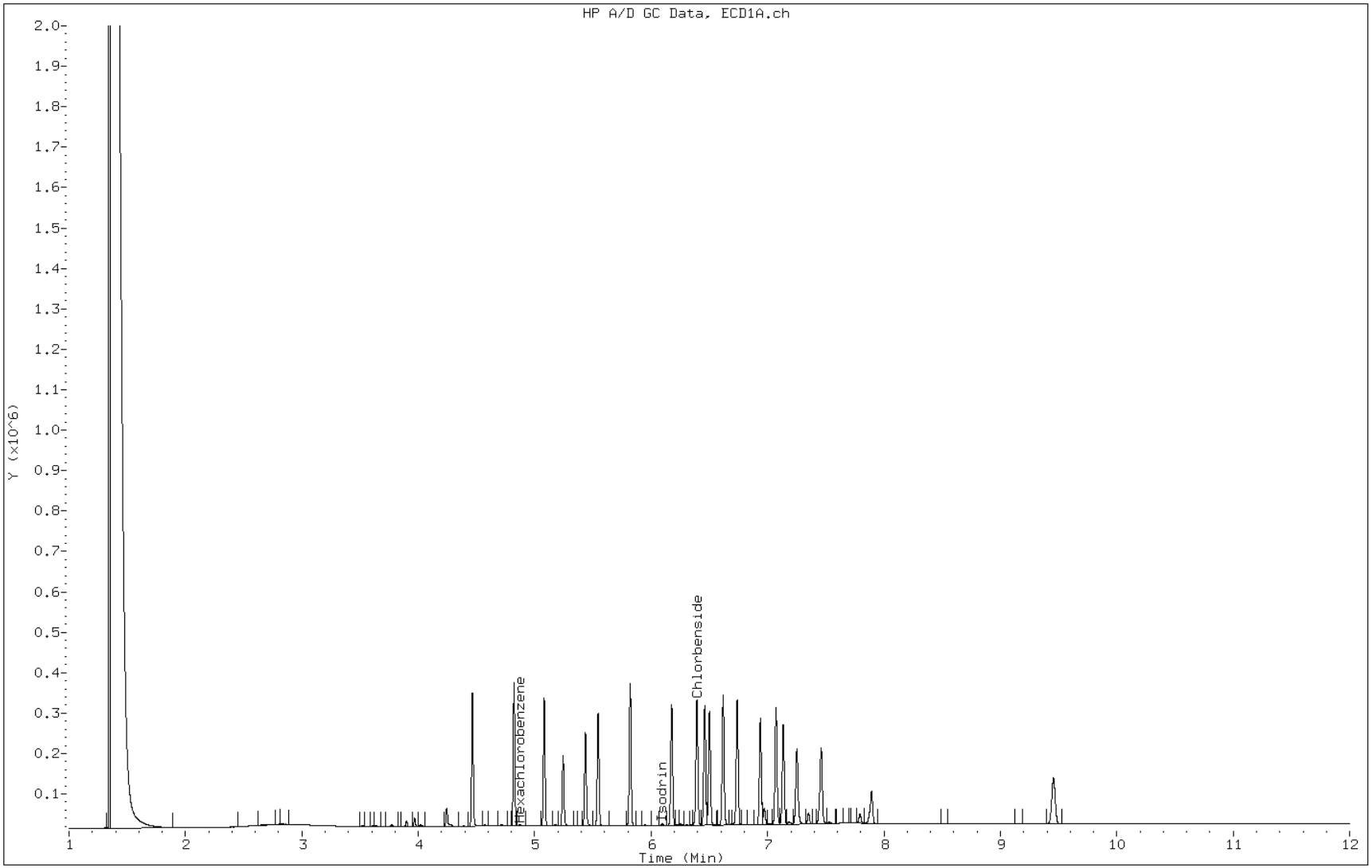
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: AQ0313000913.D

Date: 25-MAR-2013 17:42

Client ID: Instrument: gc15.i

Sample Info: lcsd 180-66997/3-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66997/3-A
Matrix: Water
Lab File ID: AQ0313000996.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:49
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0172		0.0013	0.00083
319-84-6	alpha-BHC	0.0183		0.0013	0.00066
319-85-7	beta-BHC	0.0183		0.0013	0.0010
58-89-9	gamma-BHC (Lindane)	0.0184		0.0013	0.00080
319-86-8	delta-BHC	0.0143		0.0013	0.00038
57-74-9	Chlordane (technical)	ND		0.013	0.0017
72-54-8	4,4'-DDD	0.0156		0.0013	0.00067
72-55-9	4,4'-DDE	0.0156		0.0013	0.00079
60-57-1	Dieldrin	0.0156		0.0013	0.00082
959-98-8	Endosulfan I	0.0161		0.0013	0.00094
33213-65-9	Endosulfan II	0.0155		0.0013	0.00098
1031-07-8	Endosulfan sulfate	0.0143		0.0013	0.00057
72-20-8	Endrin	0.0156		0.0013	0.00096
7421-93-4	Endrin aldehyde	0.0159		0.0013	0.00090
76-44-8	Heptachlor	0.0190		0.0013	0.00099
1024-57-3	Heptachlor epoxide	0.0171		0.0013	0.00097
8001-35-2	Toxaphene	ND		0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	66		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000996.D
Report Date: 27-Mar-2013 08:37

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000996.D
Lab Smp Id: lcsd 180-66997/3-a
Inj Date : 26-MAR-2013 21:49
Operator : 402331 Inst ID: gc15.i
Smp Info : lcsd 180-66997/3-a,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:29 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	314043	0.01645	0.01645(aR)
6 alpha-BHC	4.875	4.875	0.000	389055	0.01827	0.01827(a)
7 gamma-BHC (Lindane)	5.136	5.135	0.001	361543	0.01841	0.01841(a)
8 beta-BHC	5.297	5.296	0.001	168198	0.01834	0.01834(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.490	5.491	-0.001	279561	0.01425	0.01425(a)
12 Heptachlor	5.602	5.602	0.000	302935	0.01900	0.01900(a)
17 Aldrin	5.878	5.878	0.000	297890	0.01718	0.01718(a)
20 Heptachlor epoxide	6.236	6.236	0.000	258989	0.01708	0.01708(a)
24 gamma-Chlordane	6.453	6.453	0.000	253954	0.01618	0.01618(a)
25 alpha-Chlordane	6.520	6.520	0.000	236360	0.01557	0.01557(a)
26 Endosulfan I	6.562	6.562	0.000	224145	0.01614	0.01614(a)
27 4,4'-DDE	6.677	6.677	0.000	251249	0.01560	0.01560(a)
28 Dieldrin	6.801	6.801	0.000	239243	0.01564	0.01564(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	6.999	6.999	0.000	203112	0.01559	0.01559(a)
31 4,4'-DDD	7.133	7.133	0.000	190061	0.01563	0.01563(a)
32 Endosulfan II	7.198	7.197	0.001	199299	0.01547	0.01547(a)
33 Endrin aldehyde	7.314	7.314	0.000	151664	0.01586	0.01586(a)
34 4,4'-DDT	7.412	7.412	0.000	118724	0.01517	0.01517(a)
35 Endosulfan sulfate	7.525	7.524	0.001	166078	0.01430	0.01430(a)
36 Methoxychlor	7.853	7.853	0.000	70139	0.01524	0.01524(a)
37 Endrin ketone	7.957	7.957	0.000	133569	0.01517	0.01517(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.556	9.557	-0.001	94449	0.01322	0.01322

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000996.D
Report Date: 27-Mar-2013 08:37

QC Flag Legend

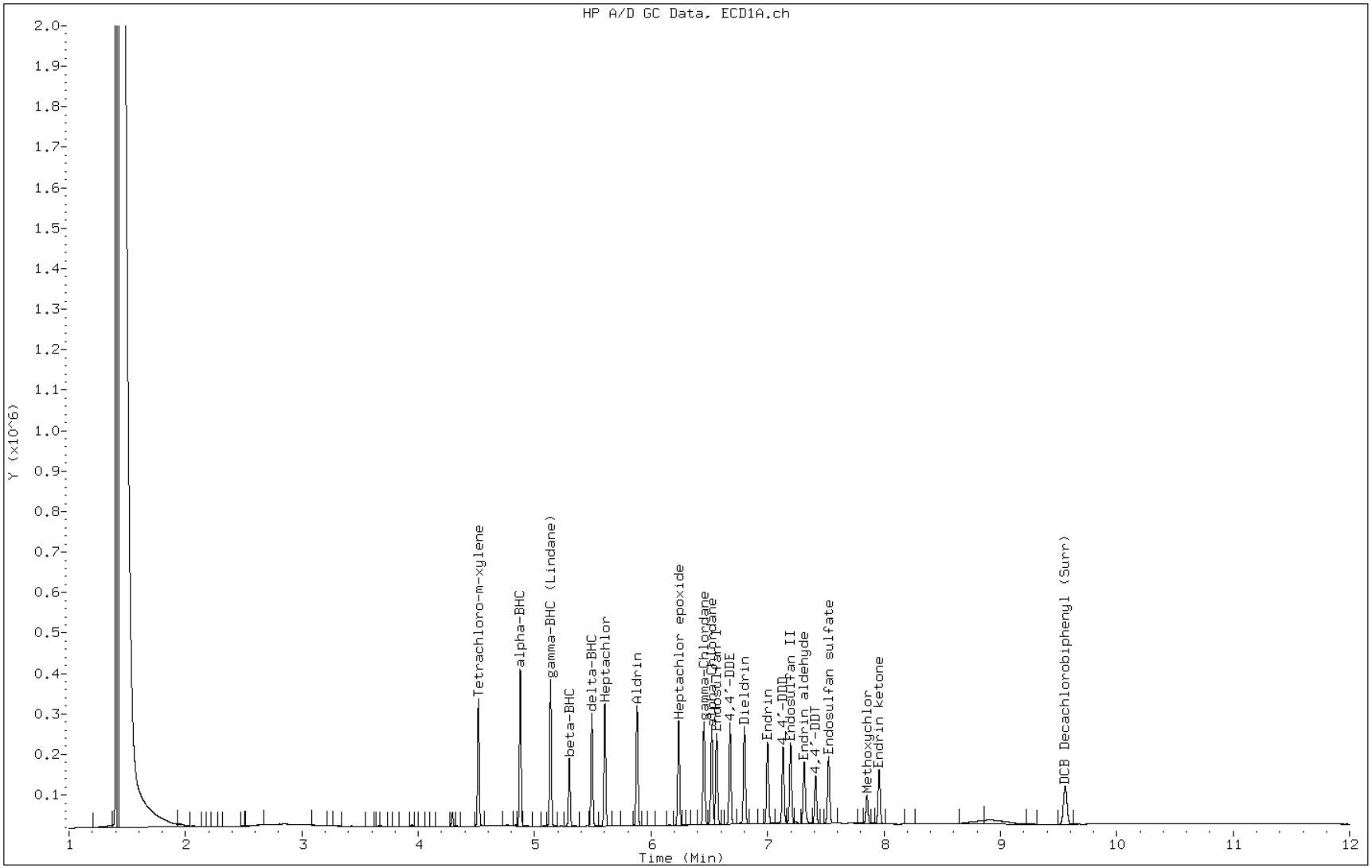
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: AQ0313000996.D

Date: 26-MAR-2013 21:49

Client ID: Instrument: gc15.i

Sample Info: lcsd 180-66997/3-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66997/3-A
Matrix: Water
Lab File ID: BQ0313000996.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:49
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-29-3	4,4'-DDT	0.0161		0.0013	0.00074
72-43-5	Methoxychlor	0.0165		0.0025	0.00091

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	83		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	65		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000996.D
Report Date: 27-Mar-2013 09:06

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000996.D
Lab Smp Id: lcsd 180-66997/3-a
Inj Date : 26-MAR-2013 21:49
Operator : 402331 Inst ID: gc15.i
Smp Info : lcsd 180-66997/3-a,2013.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:58 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.594	4.594	0.000	263613	0.01663	0.01663(aR)
6 alpha-BHC	5.060	5.060	0.000	249144	0.01909	0.01909(a)
7 gamma-BHC (Lindane)	5.361	5.361	0.000	254747	0.01880	0.01880(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	5.607	5.607	0.000	130023	0.01813	0.01813(a)
11 Heptachlor	5.677	5.677	0.000	209112	0.01925	0.01925(a)
13 delta-BHC	5.833	5.833	0.000	195332	0.01508	0.01508(a)
17 Aldrin	5.943	5.943	0.000	241221	0.01788	0.01788(a)
21 Heptachlor epoxide	6.397	6.397	0.000	198521	0.01655	0.01655(a)
24 gamma-Chlordane	6.625	6.625	0.000	205535	0.01659	0.01659(a)
25 alpha-Chlordane	6.685	6.685	0.000	194998	0.01600	0.01600(a)
26 Endosulfan I	6.752	6.752	0.000	179270	0.01620	0.01620(a)
27 4,4'-DDE	6.832	6.832	0.000	208884	0.01568	0.01568(a)
28 Dieldrin	6.999	6.999	0.000	193287	0.01622	0.01622(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.266	7.267	-0.001	154242	0.01591	0.01591(a)
30 4,4'-DDD	7.354	7.355	-0.001	142856	0.01545	0.01545(a)
32 Endosulfan II	7.535	7.537	-0.002	160409	0.01556	0.01556(a)
33 4,4'-DDT	7.598	7.600	-0.002	88041	0.01606	0.01606(a)
34 Endrin aldehyde	7.704	7.706	-0.002	111420	0.01551	0.01551(a)
35 Endosulfan sulfate	7.912	7.913	-0.001	134539	0.01484	0.01484(a)
36 Methoxychlor	8.139	8.141	-0.002	50956	0.01648	0.01648(a)
38 Endrin ketone	8.469	8.468	0.001	55472	0.01555	0.01555(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.984	9.985	-0.001	70833	0.01314	0.01314

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000996.D
Report Date: 27-Mar-2013 09:06

QC Flag Legend

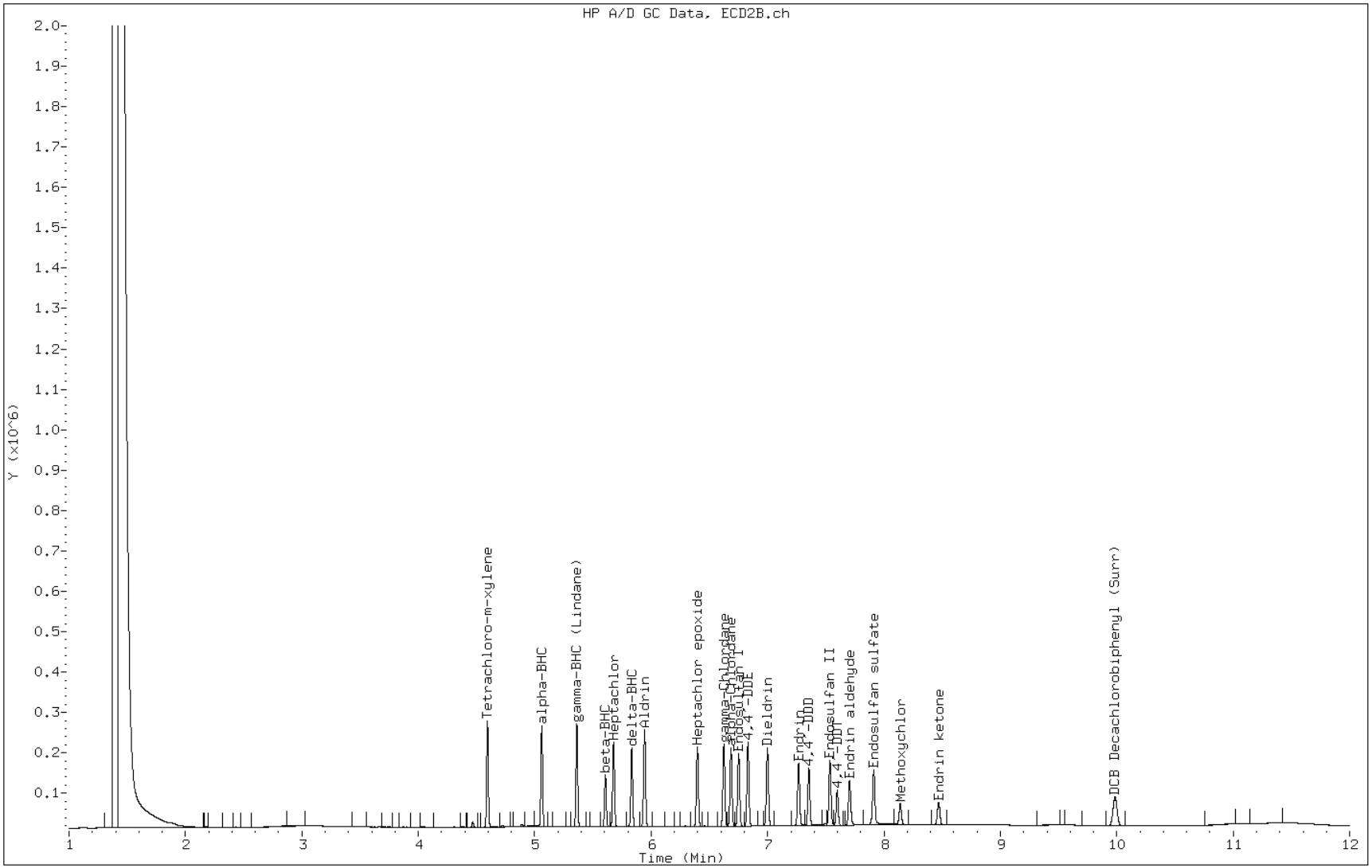
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: BQ0313000996.D

Date: 26-MAR-2013 21:49

Client ID: Instrument: gc15.i

Sample Info: lcsd 180-66997/3-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66997/5-A
Matrix: Water
Lab File ID: P0330837.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 15:18
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67227
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	1.01		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	0.913		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0014
11096-82-5	PCB-1260	1.01		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	109		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	102		57-144

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330837.D
Report Date: 25-Mar-2013 13:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330837.D
Lab Smp Id: LCSD 180-66997/5-A
Inj Date : 22-MAR-2013 15:18
Operator : 402360 Inst ID: gc8.i
Smp Info : 03223B8608.b
Misc Info : LCSD 180-66997/5-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\03223B8608.b\PCBB608.m
Meth Date : 25-Mar-2013 13:48 gc8.i Quant Type: ESTD
Cal Date : 08-MAR-2013 22:13 Cal File: P0330321.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.004	4.015	-0.011	350443	0.02184	0.021842		(R)
1 Aroclor-1221					CAS #: 11104-28-2		
Operator disabled compound identification.							
4 Aroclor-1016					CAS #: 12674-11-2		
4.826	4.838	-0.012	286544	1.01043	1.0104	0.00- 0.00	0.00
5.494	5.508	-0.014	585658	1.02837	1.0284	100.00- 100.00	0.00
5.821	5.835	-0.014	176715	1.04040	1.0404	223.51- 223.51	0.00
5.899	5.914	-0.015	221375	0.99197	0.99197	223.51- 223.51	0.00
6.616	6.631	-0.015	332913	0.99609	0.99608	317.56- 317.56	0.00
Average of Peak Concentrations =					1.0134		
3 Aroclor-1232					CAS #: 11141-16-5		
Operator disabled compound identification.							
6 Aroclor-1248					CAS #: 12672-29-6		
Operator disabled compound identification.							
5 Aroclor-1242					CAS #: 53469-21-9		
6.465	6.476	-0.011	455649	1.22038	1.2204	0.00- 0.00	0.00(a)
6.616	6.628	-0.012	332913	1.21393	1.2139	330.13- 330.13	0.00
7.145	7.155	-0.010	438330	1.19363	1.1936	769.70- 769.70	0.00

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330837.D
Report Date: 25-Mar-2013 13:48

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

    5 Aroclor-1242 (continued)
7.689    7.705   -0.016          344765 0.85852  0.85852 532.48- 532.48     0.00
7.966    7.976   -0.010           22001 0.07635  0.076348 334.30- 334.30     0.00
               Average of Peak Concentrations =  0.91256
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Operator disabled compound identification.
-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5
8.628    8.640   -0.012          846046 0.99153  0.99153   0.00-   0.00     0.00
8.870    8.882   -0.012         1102501 0.99134  0.99134 115.86- 115.86     0.00
9.235    9.248   -0.013         1107150 1.00730   1.0073 136.91- 136.91     0.00
9.663    9.677   -0.014          651109 1.01963   1.0196 140.00- 140.00     0.00
10.017  10.031   -0.014         1571689 1.04227   1.0423 128.33- 128.33     0.00
               Average of Peak Concentrations =   1.0104
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)                CAS #: 2051-24-3
12.573  12.599   -0.026          176571 0.02044  0.020444                      (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: P0330837.D

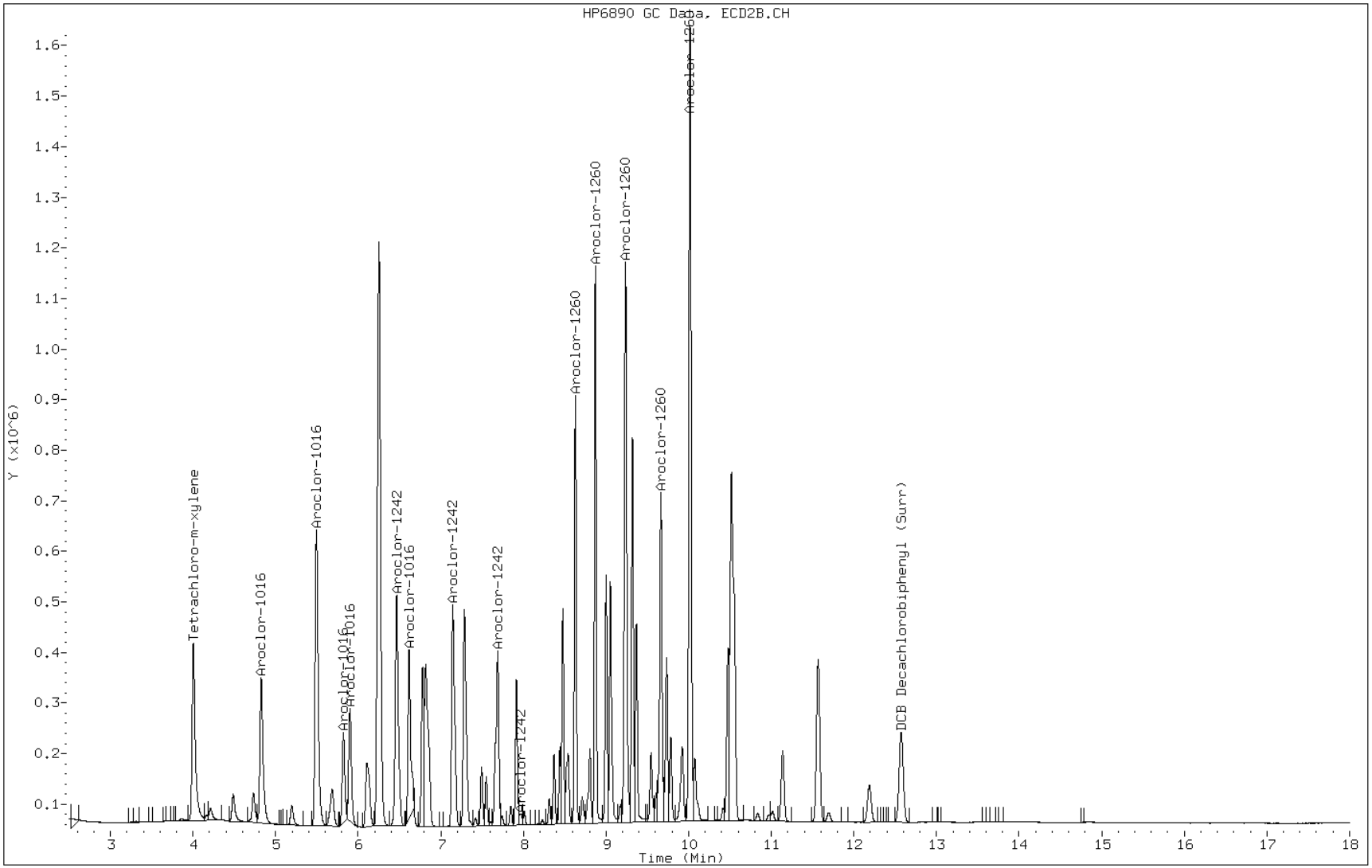
Date: 22-MAR-2013 15:18

Client ID:

Instrument: gc8.i

Sample Info: 03223B8608.b

Operator: 402360



PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC15 Start Date: 03/19/2013 10:15

Analysis Batch Number: 66746 End Date: 03/19/2013 19:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-66746/1		03/19/2013 10:15	1		MR-1 0.53(mm)
PEM 180-66746/1		03/19/2013 10:15	1		MR-2 0.53(mm)
IC 180-66746/2		03/19/2013 10:30	1		MR-1 0.53(mm)
IC 180-66746/2		03/19/2013 10:30	1		MR-2 0.53(mm)
IC 180-66746/3		03/19/2013 10:46	1		MR-1 0.53(mm)
IC 180-66746/3		03/19/2013 10:46	1		MR-2 0.53(mm)
IC 180-66746/4		03/19/2013 11:01	1	AQ0313000603.D	MR-1 0.53(mm)
IC 180-66746/4		03/19/2013 11:01	1	BQ0313000603.D	MR-2 0.53(mm)
IC 180-66746/5		03/19/2013 11:17	1	AQ0313000604.D	MR-1 0.53(mm)
IC 180-66746/5		03/19/2013 11:17	1	BQ0313000604.D	MR-2 0.53(mm)
IC 180-66746/6		03/19/2013 11:32	1	AQ0313000605.D	MR-1 0.53(mm)
IC 180-66746/6		03/19/2013 11:32	1	BQ0313000605.D	MR-2 0.53(mm)
IC 180-66746/7		03/19/2013 11:48	1	AQ0313000606.D	MR-1 0.53(mm)
IC 180-66746/7		03/19/2013 11:48	1	BQ0313000606.D	MR-2 0.53(mm)
IC 180-66746/8		03/19/2013 12:03	1	AQ0313000607.D	MR-1 0.53(mm)
IC 180-66746/8		03/19/2013 12:03	1	BQ0313000607.D	MR-2 0.53(mm)
IC 180-66746/9		03/19/2013 12:19	1	AQ0313000608.D	MR-1 0.53(mm)
IC 180-66746/9		03/19/2013 12:19	1	BQ0313000608.D	MR-2 0.53(mm)
IC 180-66746/10		03/19/2013 12:34	1		MR-1 0.53(mm)
IC 180-66746/10		03/19/2013 12:34	1		MR-2 0.53(mm)
IC 180-66746/11		03/19/2013 12:50	1		MR-1 0.53(mm)
IC 180-66746/11		03/19/2013 12:50	1		MR-2 0.53(mm)
ICRT 180-66746/12		03/19/2013 13:06	1		MR-1 0.53(mm)
ICRT 180-66746/12		03/19/2013 13:06	1		MR-2 0.53(mm)
IC 180-66746/13		03/19/2013 13:21	1		MR-1 0.53(mm)
IC 180-66746/13		03/19/2013 13:21	1		MR-2 0.53(mm)
IC 180-66746/14		03/19/2013 13:37	1		MR-1 0.53(mm)
IC 180-66746/14		03/19/2013 13:37	1		MR-2 0.53(mm)
IC 180-66746/15		03/19/2013 13:52	1		MR-1 0.53(mm)
IC 180-66746/15		03/19/2013 13:52	1		MR-2 0.53(mm)
ICV 180-66746/16		03/19/2013 14:08	1		MR-1 0.53(mm)
ICV 180-66746/16		03/19/2013 14:08	1		MR-2 0.53(mm)
ICV 180-66746/17		03/19/2013 14:23	1		MR-1 0.53(mm)
ICV 180-66746/17		03/19/2013 14:23	1		MR-2 0.53(mm)
PEM 180-66746/18		03/19/2013 14:39	1		MR-1 0.53(mm)
PEM 180-66746/18		03/19/2013 14:39	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 14:54	10		MR-1 0.53(mm)
ZZZZZ		03/19/2013 14:54	10		MR-2 0.53(mm)
ZZZZZ		03/19/2013 15:10	10		MR-1 0.53(mm)
ZZZZZ		03/19/2013 15:10	10		MR-2 0.53(mm)
ZZZZZ		03/19/2013 15:25	10		MR-1 0.53(mm)
ZZZZZ		03/19/2013 15:25	10		MR-2 0.53(mm)
ZZZZZ		03/19/2013 15:41	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 15:41	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 15:56	1		MR-1 0.53(mm)

608

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC15 Start Date: 03/19/2013 10:15

Analysis Batch Number: 66746 End Date: 03/19/2013 19:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/19/2013 15:56	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 16:12	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 16:12	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 16:27	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 16:27	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 16:43	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 16:43	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 16:58	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 16:58	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 17:14	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 17:14	1		MR-2 0.53(mm)
CCV 180-66746/29		03/19/2013 19:02	1		MR-1 0.53(mm)
CCV 180-66746/29		03/19/2013 19:02	1		MR-2 0.53(mm)
CCV 180-66746/30		03/19/2013 19:18	1		MR-1 0.53(mm)
CCV 180-66746/30		03/19/2013 19:18	1		MR-2 0.53(mm)

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC15 Start Date: 03/25/2013 14:36

Analysis Batch Number: 67287 End Date: 03/25/2013 19:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-67287/1		03/25/2013 14:36	1	AQ0313000901.D	MR-1 0.53(mm)
CCV 180-67287/1		03/25/2013 14:36	1	BQ0313000901.D	MR-2 0.53(mm)
460-52642-1	INFLUENT	03/25/2013 16:56	1	AQ0313000910.D	MR-1 0.53(mm)
460-52642-1	INFLUENT	03/25/2013 16:56	1	BQ0313000910.D	MR-2 0.53(mm)
MB 180-66997/1-A		03/25/2013 17:11	1	AQ0313000911.D	MR-1 0.53(mm)
MB 180-66997/1-A		03/25/2013 17:11	1	BQ0313000911.D	MR-2 0.53(mm)
LCS 180-66997/2-A		03/25/2013 17:27	1	AQ0313000912.D	MR-1 0.53(mm)
LCS 180-66997/2-A		03/25/2013 17:27	1	BQ0313000912.D	MR-2 0.53(mm)
LCSD 180-66997/3-A		03/25/2013 17:42	1	AQ0313000913.D	MR-1 0.53(mm)
LCSD 180-66997/3-A		03/25/2013 17:42	1	BQ0313000913.D	MR-2 0.53(mm)
CCV 180-67287/6		03/25/2013 19:31	1	AQ0313000920.D	MR-1 0.53(mm)
CCV 180-67287/6		03/25/2013 19:31	1	BQ0313000920.D	MR-2 0.53(mm)

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC15 Start Date: 03/26/2013 13:48

Analysis Batch Number: 67462 End Date: 03/27/2013 01:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-67462/1		03/26/2013 13:48	1	AQ0313000965.D	MR-1 0.53(mm)
PEM 180-67462/1		03/26/2013 13:48	1	BQ0313000965.D	MR-2 0.53(mm)
IC 180-67462/2		03/26/2013 14:04	1	AQ0313000966.D	MR-1 0.53(mm)
IC 180-67462/2		03/26/2013 14:04	1	BQ0313000966.D	MR-2 0.53(mm)
IC 180-67462/3		03/26/2013 14:19	1	AQ0313000967.D	MR-1 0.53(mm)
IC 180-67462/3		03/26/2013 14:19	1	BQ0313000967.D	MR-2 0.53(mm)
IC 180-67462/4		03/26/2013 14:35	1	AQ0313000968.D	MR-1 0.53(mm)
IC 180-67462/4		03/26/2013 14:35	1	BQ0313000968.D	MR-2 0.53(mm)
IC 180-67462/5		03/26/2013 14:50	1	AQ0313000969.D	MR-1 0.53(mm)
IC 180-67462/5		03/26/2013 14:50	1	BQ0313000969.D	MR-2 0.53(mm)
ICRT 180-67462/6		03/26/2013 15:06	1	AQ0313000970.D	MR-1 0.53(mm)
ICRT 180-67462/6		03/26/2013 15:06	1	BQ0313000970.D	MR-2 0.53(mm)
IC 180-67462/7		03/26/2013 15:22	1	AQ0313000971.D	MR-1 0.53(mm)
IC 180-67462/7		03/26/2013 15:22	1	BQ0313000971.D	MR-2 0.53(mm)
IC 180-67462/8		03/26/2013 15:37	1	AQ0313000972.D	MR-1 0.53(mm)
IC 180-67462/8		03/26/2013 15:37	1	BQ0313000972.D	MR-2 0.53(mm)
IC 180-67462/9		03/26/2013 15:53	1	AQ0313000973.D	MR-1 0.53(mm)
IC 180-67462/9		03/26/2013 15:53	1	BQ0313000973.D	MR-2 0.53(mm)
ICV 180-67462/10		03/26/2013 16:08	1	AQ0313000974.D	MR-1 0.53(mm)
ICV 180-67462/10		03/26/2013 16:08	1	BQ0313000974.D	MR-2 0.53(mm)
PEM 180-67462/11		03/26/2013 20:32	1	AQ0313000991.D	MR-1 0.53(mm)
PEM 180-67462/11		03/26/2013 20:32	1	BQ0313000991.D	MR-2 0.53(mm)
CCV 180-67462/12		03/26/2013 20:47	1	AQ0313000992.D	MR-1 0.53(mm)
CCV 180-67462/12		03/26/2013 20:47	1	BQ0313000992.D	MR-2 0.53(mm)
460-52642-1	INFLUENT	03/26/2013 21:03	1	AQ0313000993.D	MR-1 0.53(mm)
460-52642-1	INFLUENT	03/26/2013 21:03	1	BQ0313000993.D	MR-2 0.53(mm)
MB 180-66997/1-A		03/26/2013 21:18	1	AQ0313000994.D	MR-1 0.53(mm)
MB 180-66997/1-A		03/26/2013 21:18	1	BQ0313000994.D	MR-2 0.53(mm)
LCS 180-66997/2-A		03/26/2013 21:34	1	AQ0313000995.D	MR-1 0.53(mm)
LCS 180-66997/2-A		03/26/2013 21:34	1	BQ0313000995.D	MR-2 0.53(mm)
LCSD 180-66997/3-A		03/26/2013 21:49	1	AQ0313000996.D	MR-1 0.53(mm)
LCSD 180-66997/3-A		03/26/2013 21:49	1	BQ0313000996.D	MR-2 0.53(mm)
ZZZZZ		03/26/2013 22:05	1		MR-1 0.53(mm)
ZZZZZ		03/26/2013 22:05	1		MR-2 0.53(mm)
ZZZZZ		03/26/2013 22:20	1		MR-1 0.53(mm)
ZZZZZ		03/26/2013 22:20	1		MR-2 0.53(mm)
ZZZZZ		03/26/2013 22:36	1		MR-1 0.53(mm)
ZZZZZ		03/26/2013 22:36	1		MR-2 0.53(mm)
ZZZZZ		03/26/2013 22:51	1		MR-1 0.53(mm)
ZZZZZ		03/26/2013 22:51	1		MR-2 0.53(mm)
ZZZZZ		03/26/2013 23:07	1		MR-1 0.53(mm)
ZZZZZ		03/26/2013 23:07	1		MR-2 0.53(mm)
CCV 180-67462/22		03/27/2013 01:42	1	AQ0313001011.D	MR-1 0.53(mm)
CCV 180-67462/22		03/27/2013 01:42	1	BQ0313001011.D	MR-2 0.53(mm)

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC8 Start Date: 03/08/2013 13:38

Analysis Batch Number: 66077 End Date: 03/12/2013 15:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-66077/1		03/08/2013 13:38	1	P0330300.D	RTX-1701 0.53(mm)
IC 180-66077/2		03/08/2013 14:03	1	P0330301.D	RTX-1701 0.53(mm)
IC 180-66077/3		03/08/2013 14:27	1	P0330302.D	RTX-1701 0.53(mm)
IC 180-66077/4		03/08/2013 14:52	1	P0330303.D	RTX-1701 0.53(mm)
IC 180-66077/5		03/08/2013 15:16	1	P0330304.D	RTX-1701 0.53(mm)
IC 180-66077/6		03/08/2013 15:41	1	P0330305.D	RTX-1701 0.53(mm)
IC 180-66077/7		03/08/2013 16:05	1	P0330306.D	RTX-1701 0.53(mm)
IC 180-66077/8		03/08/2013 16:30	1	P0330307.D	RTX-1701 0.53(mm)
IC 180-66077/9		03/08/2013 16:54	1	P0330308.D	RTX-1701 0.53(mm)
IC 180-66077/10		03/08/2013 17:19	1	P0330309.D	RTX-1701 0.53(mm)
IC 180-66077/11		03/08/2013 17:43	1	P0330310.D	RTX-1701 0.53(mm)
IC 180-66077/12		03/08/2013 18:08	1	P0330311.D	RTX-1701 0.53(mm)
IC 180-66077/13		03/08/2013 18:32	1	P0330312.D	RTX-1701 0.53(mm)
IC 180-66077/14		03/08/2013 18:57	1	P0330313.D	RTX-1701 0.53(mm)
IC 180-66077/15		03/08/2013 19:21	1	P0330314.D	RTX-1701 0.53(mm)
IC 180-66077/16		03/08/2013 19:46	1	P0330315.D	RTX-1701 0.53(mm)
IC 180-66077/17		03/08/2013 20:11	1		RTX-1701 0.53(mm)
IC 180-66077/18		03/08/2013 20:59	1	P0330318.D	RTX-1701 0.53(mm)
IC 180-66077/19		03/08/2013 21:24	1	P0330319.D	RTX-1701 0.53(mm)
IC 180-66077/20		03/08/2013 21:49	1	P0330320.D	RTX-1701 0.53(mm)
ICRT 180-66077/21		03/08/2013 22:13	1	P0330321.D	RTX-1701 0.53(mm)
IC 180-66077/22		03/08/2013 22:38	1	P0330322.D	RTX-1701 0.53(mm)
IC 180-66077/23		03/08/2013 23:02	1	P0330323.D	RTX-1701 0.53(mm)
IC 180-66077/24		03/08/2013 23:27	1	P0330324.D	RTX-1701 0.53(mm)
ICV 180-66077/25		03/08/2013 23:51	1		RTX-1701 0.53(mm)
ICV 180-66077/26		03/09/2013 00:16	1		RTX-1701 0.53(mm)
ICV 180-66077/27		03/09/2013 00:40	1		RTX-1701 0.53(mm)
ICV 180-66077/28		03/09/2013 01:05	1		RTX-1701 0.53(mm)
ICV 180-66077/29		03/09/2013 01:29	1		RTX-1701 0.53(mm)
ICV 180-66077/30		03/09/2013 01:54	1		RTX-1701 0.53(mm)
ICV 180-66077/31		03/09/2013 02:18	1		RTX-1701 0.53(mm)
CCV 180-66077/38		03/11/2013 12:19	1		RTX-1701 0.53(mm)
CCV 180-66077/39		03/11/2013 12:43	1		RTX-1701 0.53(mm)
CCV 180-66077/40		03/11/2013 13:08	1		RTX-1701 0.53(mm)
CCV 180-66077/41		03/11/2013 13:33	1		RTX-1701 0.53(mm)
CCV 180-66077/42		03/11/2013 13:57	1		RTX-1701 0.53(mm)
CCV 180-66077/43		03/11/2013 14:46	1		RTX-1701 0.53(mm)
IC 180-66077/32		03/12/2013 10:59	1		RTX-1701 0.53(mm)
IC 180-66077/33		03/12/2013 11:34	1		RTX-1701 0.53(mm)
IC 180-66077/34		03/12/2013 11:58	1		RTX-1701 0.53(mm)
CCVRT 180-66077/35		03/12/2013 12:23	1		RTX-1701 0.53(mm)
ZZZZZ		03/12/2013 12:48	1		RTX-1701 0.53(mm)
ZZZZZ		03/12/2013 13:12	1		RTX-1701 0.53(mm)
ZZZZZ		03/12/2013 13:37	1		RTX-1701 0.53(mm)
ZZZZZ		03/12/2013 14:02	1		RTX-1701 0.53(mm)

608

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC8 Start Date: 03/08/2013 13:38

Analysis Batch Number: 66077 End Date: 03/12/2013 15:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/12/2013 14:26	1		RTX-1701 0.53(mm)
CCV 180-66077/47		03/12/2013 14:51	1		RTX-1701 0.53(mm)
CCV 180-66077/48		03/12/2013 15:16	1		RTX-1701 0.53(mm)

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC8 Start Date: 03/20/2013 19:47

Analysis Batch Number: 67227 End Date: 03/22/2013 16:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-67227/1		03/20/2013 19:47	1	P0330769.D	RTX-1701 0.53(mm)
CCV 180-67227/2		03/20/2013 20:12	1	P0330770.D	RTX-1701 0.53(mm)
CCV 180-67227/3		03/20/2013 20:36	1	P0330771.D	RTX-1701 0.53(mm)
CCV 180-67227/4		03/20/2013 21:01	1	P0330772.D	RTX-1701 0.53(mm)
CCV 180-67227/5		03/20/2013 21:25	1		RTX-1701 0.53(mm)
CCV 180-67227/6		03/20/2013 21:50	1		RTX-1701 0.53(mm)
CCV 180-67227/7		03/20/2013 22:14	1	P0330775.D	RTX-1701 0.53(mm)
CCVRT 180-67227/8		03/22/2013 13:40	1	P0330833.D	RTX-1701 0.53(mm)
460-52642-1	INFLUENT	03/22/2013 14:05	1	P0330834.D	RTX-1701 0.53(mm)
MB 180-66997/1-A		03/22/2013 14:29	1	P0330835.D	RTX-1701 0.53(mm)
LCS 180-66997/4-A		03/22/2013 14:54	1	P0330836.D	RTX-1701 0.53(mm)
LCSD 180-66997/5-A		03/22/2013 15:18	1	P0330837.D	RTX-1701 0.53(mm)
ZZZZZ		03/22/2013 16:57	1		RTX-1701 0.53(mm)
CCV 180-67227/14		03/22/2013 16:57	1	P0330841.D	RTX-1701 0.53(mm)

PESTICIDES/PCBS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Batch Number: 66997 Batch Start Date: 03/21/13 13:40 Batch Analyst: Yushinski, Charles

Batch Method: 608 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	GCMATRIXWORKS 00006	op-p/pcb sur 00008	OPPESTMATRIX 00007
MB 180-66997/1		608, 608		6	1000 mL	1.0 mL		25 uL	
LCS 180-66997/2		608, 608		6	1000 mL	1.0 mL		25 uL	25 uL
LCSD 180-66997/3		608, 608		6	1000 mL	1.0 mL		25 uL	25 uL
LCS 180-66997/4		608, 608		6	1000 mL	1.0 mL	25 uL	25 uL	
LCSD 180-66997/5		608, 608		6	1000 mL	1.0 mL	25 uL	25 uL	
460-52642-F-1	INFLUENT	608, 608	T	6	980 mL	1.0 mL		25 uL	

Batch Notes	
Exchange Solvent Lot #	742343
Exchange Solvent Name	Hexane
N-evap #	1
N-evap temperature	21 Celsius
Na2SO4 Lot Number	763631
Prep Solvent Lot #	770348
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	180
Person's name who did the prep	CBY
Sufficient volume for MS/MSD?	no
Uncorrected N-evap Temperature	21 Celsius
Uncorrected Temperature	79 Celsius
Water Bath ID	1
Water Bath Temperature	79 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8141A

Organophosphorous Pesticides (GC) by Method 8141A

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-OPP1 ID: 0.53 (mm) GC Column (2): RTX-OPP2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TBPH1 #	TBPH2 #	TPP1 #	TPP2 #
INFLUENT	460-52642-1	99	99	97	94
	MB 180-66996/1-A	86	82	85	83
	LCS 180-66996/2-A	107	108	100	96
	LCSD 180-66996/3-A	107	108	97	94

	QC LIMITS
TBPH = Tributyl phosphate	49-122
TPP = Triphenylphosphate	45-145

Column to be used to flag recovery values

FORM II 8141A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: aj0330145.d

Lab ID: LCS 180-66996/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Guthion	10.0	11.8	118	40-150	
Chlorpyrifos	10.0	10.1	101	50-130	
Demeton-O	10.0	11.0	110	10-150	
Demeton-S	10.0	10.7	107	10-150	
Malathion	10.0	10.6	106	50-150	

Column to be used to flag recovery and RPD values

FORM III 8141A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: bj0330145.d

Lab ID: LCS 180-66996/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Parathion	10.0	10.3	103	56-125	

Column to be used to flag recovery and RPD values

FORM III 8141A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: aj0330146.d

Lab ID: LCSD 180-66996/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Guthion	10.0	11.7	117	1	30	40-150	
Chlorpyrifos	10.0	10.3	103	2	25	50-130	
Demeton-O	10.0	11.2	112	2	30	10-150	
Demeton-S	10.0	10.7	107	0	30	10-150	
Malathion	10.0	10.6	106	0	30	50-150	

Column to be used to flag recovery and RPD values

FORM III 8141A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: bj0330146.d

Lab ID: LCSD 180-66996/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Parathion	10.0	10.5	105	2	21	56-125	

Column to be used to flag recovery and RPD values

FORM III 8141A

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: MB 180-66996/1-A

Matrix: Water Date Extracted: 03/21/2013 13:30

Lab File ID:(1) aj0330144.d Lab File ID:(2) bj0330144.d

Date Analyzed:(1) 03/22/2013 11:39 Date Analyzed:(2) 03/22/2013 11:39

Instrument ID:(1) GC5 Instrument ID:(2) GC5

GC Column:(1) RTX-OPP1 ID: 0.53(mm) GC Column:(2) RTX-OPP2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
INFLUENT	460-52642-1	03/22/2013 11:10	03/22/2013 11:10
	LCS 180-66996/2-A	03/22/2013 12:07	03/22/2013 12:07
	LCSD 180-66996/3-A	03/22/2013 12:36	03/22/2013 12:36

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Sample No.: CCVRT 180-67073/1 Date Analyzed: 03/22/2013 10:13

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm)

Lab File ID (Standard): aj0330141.d Heated Purge: (Y/N) N

Calibration ID: 8494

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TBPH RT #	TPP RT #	
CONTINUING CALIBRATION SURROGATE				10.75	16.61	
UPPER LIMIT				10.80	16.66	
LOWER LIMIT				10.70	16.56	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-67073/1		03/22/2013 10:13	aj0330141.d	10.75	16.61	
460-52642-1	INFLUENT	03/22/2013 11:10	aj0330143.d	10.75	16.61	
MB 180-66996/1-A		03/22/2013 11:39	aj0330144.d	10.75	16.61	
LCS 180-66996/2-A		03/22/2013 12:07	aj0330145.d	10.75	16.61	
LCSD 180-66996/3-A		03/22/2013 12:36	aj0330146.d	10.75	16.61	
CCV 180-67073/7		03/22/2013 13:04	aj0330147.d	10.75	16.61	

TBPH = Tributyl phosphate
TPP = Triphenylphosphate

TBPH RT Limit = ± 0.05 minutes of surrogate RT
TPP RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8141A

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Sample No.: CCVRT 180-67073/1 Date Analyzed: 03/22/2013 10:13

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm)

Lab File ID (Standard): bj0330141.d Heated Purge: (Y/N) N

Calibration ID: 8496

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TBPH RT #	TPP RT #	
CONTINUING CALIBRATION SURROGATE				10.37	17.51	
UPPER LIMIT				10.42	17.56	
LOWER LIMIT				10.32	17.46	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-67073/1		03/22/2013 10:13	bj0330141.d	10.37	17.51	
460-52642-1	INFLUENT	03/22/2013 11:10	bj0330143.d	10.36	17.51	
MB 180-66996/1-A		03/22/2013 11:39	bj0330144.d	10.37	17.51	
LCS 180-66996/2-A		03/22/2013 12:07	bj0330145.d	10.36	17.51	
LCSD 180-66996/3-A		03/22/2013 12:36	bj0330146.d	10.36	17.51	
CCV 180-67073/7		03/22/2013 13:04	bj0330147.d	10.37	17.51	

TBPH = Tributyl phosphate
TPP = Triphenylphosphate

TBPH RT Limit = ± 0.05 minutes of surrogate RT
TPP RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8141A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-66996/2-A

Instrument ID (1): GC5 Instrument ID (2): GC5

Date Analyzed (1): 03/22/2013 12:07 Date Analyzed (2): 03/22/2013 12:07

GC Column (1): RTX-OPP1 ID: 0.53(mm) GC Column (2): RTX-OPP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Demeton, Total	1		9.68	9.64	9.74	11.0		3.9
	2		10.22	10.18	10.28	10.6		
Demeton-O	1		9.68	9.64	9.74	11.0		3.9
	2		10.22	10.18	10.28	10.6		
Demeton, Total	1		11.47	11.42	11.52	10.7		6.7
	2		11.52	11.47	11.57	9.99		
Demeton-S	1		11.47	11.42	11.52	10.7		6.7
	2		11.52	11.47	11.57	9.99		
Chlorpyrifos	1		12.92	12.87	12.97	10.1		3.3
	2		13.93	13.88	13.98	9.77		
Malathion	1		13.70	13.65	13.75	10.6		5.1
	2		13.84	13.79	13.89	10.1		
Parathion	1		14.37	14.31	14.41	13.5		26.6
	2		14.02	13.97	14.07	10.3		
Guthion	1		18.11	18.06	18.16	11.8		2.4
	2		18.89	18.84	18.94	11.5		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-66996/3-A

Instrument ID (1): GC5 Instrument ID (2): GC5

Date Analyzed (1): 03/22/2013 12:36 Date Analyzed (2): 03/22/2013 12:36

GC Column (1): RTX-OPP1 ID: 0.53(mm) GC Column (2): RTX-OPP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Demeton, Total	1		9.68	9.64	9.74	11.2		3.5
	2		10.23	10.18	10.28	10.9		
Demeton-O	1		9.68	9.64	9.74	11.2		3.5
	2		10.23	10.18	10.28	10.9		
Demeton, Total	1		11.47	11.42	11.52	10.7		6.2
	2		11.52	11.47	11.57	10.1		
Demeton-S	1		11.47	11.42	11.52	10.7		6.2
	2		11.52	11.47	11.57	10.1		
Chlorpyrifos	1		12.92	12.87	12.97	10.3		4.5
	2		13.93	13.88	13.98	9.85		
Malathion	1		13.70	13.65	13.75	10.6		2.9
	2		13.84	13.79	13.89	10.3		
Parathion	1		14.37	14.31	14.41	13.6		25.8
	2		14.02	13.97	14.07	10.5		
Guthion	1		18.11	18.06	18.16	11.7		1.4
	2		18.89	18.84	18.94	11.5		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Matrix: Water
Lab File ID: aj0330143.d
Analysis Method: 8141A
Date Collected: 03/20/2013 06:30
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 980(mL)
Date Analyzed: 03/22/2013 11:10
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-50-0	Guthion	ND		1.0	0.12
2921-88-2	Chlorpyrifos	ND		1.0	0.10
121-75-5	Malathion	ND		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	97		45-145
126-73-8	Tributyl phosphate	99		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330143.d
Report Date: 22-Mar-2013 11:39

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\aj0330143.d
Lab Smp Id: 460-52642-G-1-A Client Smp ID: INFLUENT
Inj Date : 22-MAR-2013 11:10
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : 460-52642-g-1-a
Comment   : 8141 OPP ANALYSIS
Method   : \\pitsvr06\d\chem\gc5.i\03223.b\Toppa1.m
Meth Date : 22-Mar-2013 11:29 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: aj0230096.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

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

1 O,O,O-TRIETHYL CAS #: 126-68-1

Peaks not detected for Quant. or Qual. signal(s).

---

2 Dichlorvos CAS #: 62-73-7

Peaks not detected for Quant. or Qual. signal(s).

---

3 Mevinphos CAS #: 7786-34-7

Peaks not detected for Quant. or Qual. signal(s).

---

5 Demeton, Total CAS #: 8065-48-3

Peaks not detected for Quant. or Qual. signal(s).

---

4 Demeton-O CAS #: 298-03-3

Peaks not detected for Quant. or Qual. signal(s).

---

6 Thionazin CAS #: 297-97-2

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330143.d
Report Date: 22-Mar-2013 11:39

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

    7 Ethoprop                                    CAS #: 13194-48-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    8 Phorate                                     CAS #: 298-02-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Sulfotepp                                   CAS #: 3689-24-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  10 Tributyl phosphate                          CAS #: 126-73-8
10.752  10.754   -0.002        78531874 1.97364    1.974                        (R)
-------------------------------------------------------------------------------
   11 Diazinon                                    CAS #: 333-41-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   12 Disulfoton                                  CAS #: 298-04-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   13 Demeton-S                                   CAS #: 126-75-0
11.464  11.473   -0.009          423474 0.12330   0.1233
-------------------------------------------------------------------------------
   14 Dimethoate                                  CAS #: 60-51-5
12.224  12.230   -0.006          255647 0.00285  0.002853                      (a)
-------------------------------------------------------------------------------
   15 Ronnel                                      CAS #: 299-84-3
12.385  12.429   -0.044          437554 0.01015  0.01015                       (a)
-------------------------------------------------------------------------------
   16 Chlorpyrifos                                CAS #: 2921-88-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   17 Fenthion                                    CAS #: 55-38-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   18 Trichloronate                               CAS #: 327-98-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   19 Methyl parathion                            CAS #: 298-00-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330143.d
Report Date: 22-Mar-2013 11:39

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

   20 Malathion                                   CAS #: 121-75-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   21 Tokuthion                                   CAS #: 34643-46-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   22 Ethyl parathion                             CAS #: 56-38-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   23 Stirophos                                   CAS #: 22248-79-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   24 Bolstar                                     CAS #: 35400-43-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  25 Triphenyl phosphate                         CAS #: 115-86-6
16.607  16.610   -0.003        54958838 1.93068    1.931                        (R)
-------------------------------------------------------------------------------
   26 Fensulfothion                               CAS #: 115-90-2
17.029  17.030   -0.001          284770 0.00350  0.003502                      (a)
-------------------------------------------------------------------------------
   27 EPN                                         CAS #: 2104-64-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   28 Famphur                                     CAS #: 52-85-7

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   29 Azinphos-methyl                             CAS #: 86-50-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   30 Coumaphos                                   CAS #: 56-72-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
```

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: aj0330143.d

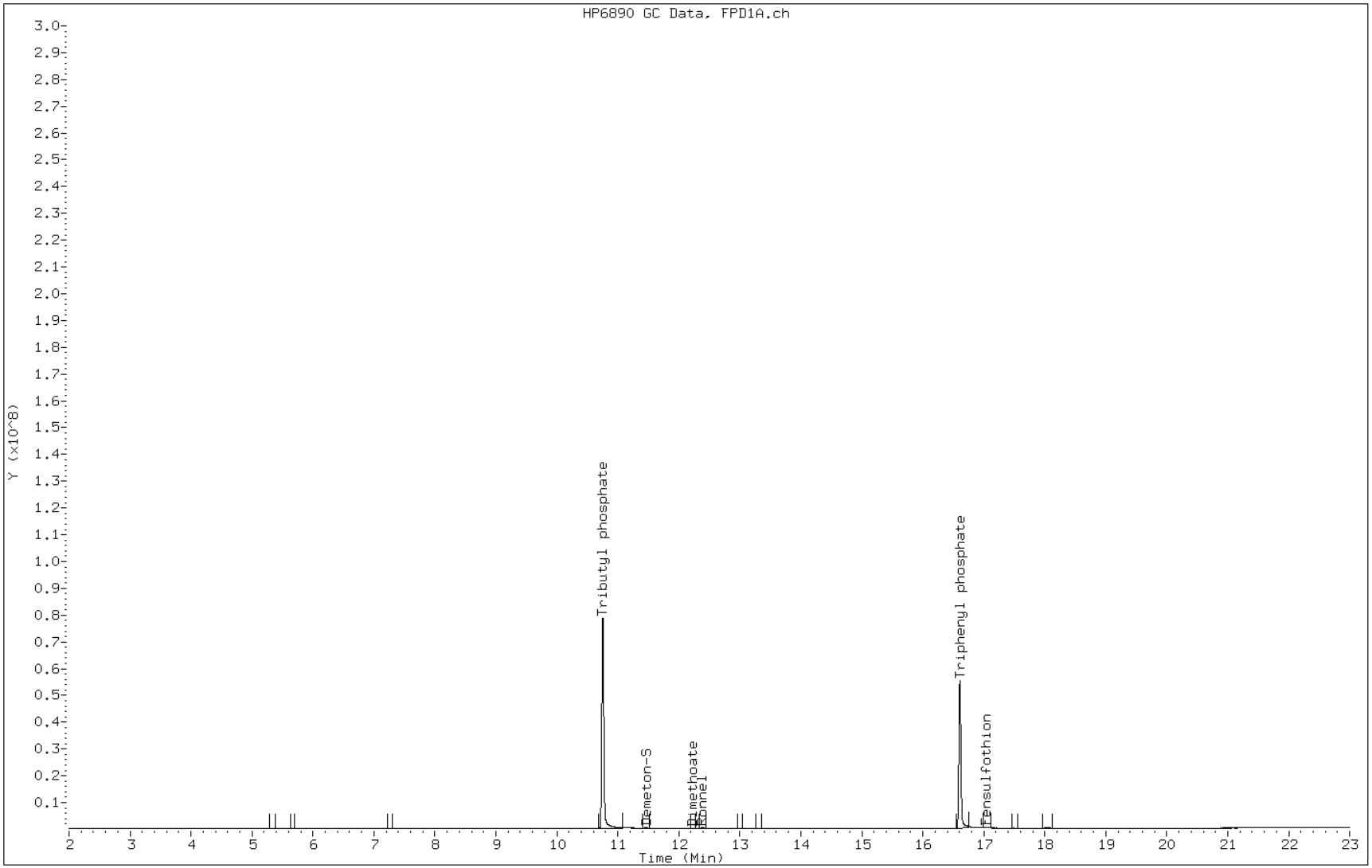
Date: 22-MAR-2013 11:10

Client ID: INFLUENT

Instrument: gc5.i

Sample Info: 03223.B

Operator: 01797



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Matrix: Water
Lab File ID: bj0330143.d
Analysis Method: 8141A
Date Collected: 03/20/2013 06:30
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 980(mL)
Date Analyzed: 03/22/2013 11:10
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8065-48-3	Demeton, Total	ND		2.0	0.17
298-03-3	Demeton-O	ND		1.0	0.095
126-75-0	Demeton-S	ND		1.0	0.073
56-38-2	Parathion	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	94		45-145
126-73-8	Tributyl phosphate	99		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330143.d
Report Date: 22-Mar-2013 11:40

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\bj0330143.d
Lab Smp Id: 460-52642-G-1-A Client Smp ID: INFLUENT
Inj Date : 22-MAR-2013 11:10
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : 460-52642-g-1-a
Comment   : 8141 OPP ANALYSIS
Method   : \\pitsvr06\d\chem\gc5.i\03223.b\Toppb1.m
Meth Date : 22-Mar-2013 11:31 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: bj0230096.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

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

1 O,O,O-TRIETHYL CAS #: 126-68-1

Peaks not detected for Quant. or Qual. signal(s).

---

2 Dichlorvos CAS #: 62-73-7

Peaks not detected for Quant. or Qual. signal(s).

---

3 Mevinphos CAS #: 7786-34-7

Peaks not detected for Quant. or Qual. signal(s).

---

5 Demeton, Total CAS #: 8065-48-3

Peaks not detected for Quant. or Qual. signal(s).

---

4 Demeton-O CAS #: 298-03-3

Peaks not detected for Quant. or Qual. signal(s).

---

6 Thionazin CAS #: 297-97-2

Peaks not detected for Quant. or Qual. signal(s).

$ 7 Tributyl phosphate CAS #: 126-73-8
10.364 10.368 -0.004 72858950 1.97534 1.975 (R)

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330143.d
Report Date: 22-Mar-2013 11:40

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

    8 Ethoprop                                    CAS #: 13194-48-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Sulfotepp                                   CAS #: 3689-24-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   10 Phorate                                     CAS #: 298-02-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   11 Demeton-S                                   CAS #: 126-75-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   12 Dimethoate                                  CAS #: 60-51-5
11.876  11.884   -0.008          260062 0.00324  0.003245                      (a)
-------------------------------------------------------------------------------
   13 Diazinon                                    CAS #: 333-41-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   14 Disulfoton                                  CAS #: 298-04-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   15 Methyl parathion                            CAS #: 298-00-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   16 Ronnel                                      CAS #: 299-84-3

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   17 Malathion                                   CAS #: 121-75-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   18 Chlorpyrifos                                CAS #: 2921-88-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   20 Ethyl parathion                             CAS #: 56-38-2

Peaks not detected for Quant. or Qual. signal(s).
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330143.d
Report Date: 22-Mar-2013 11:40

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

   19 Trichloronate                                CAS #: 327-98-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   21 Fenthion                                     CAS #: 55-38-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   22 Stirophos                                    CAS #: 22248-79-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   23 Tokuthion                                    CAS #: 34643-46-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   24 Fensulfothion                                CAS #: 115-90-2
16.531  16.541   -0.010          215183 0.00328  0.003278                      (a)
-------------------------------------------------------------------------------
   25 Bolstar                                      CAS #: 35400-43-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   26 Famphur                                      CAS #: 52-85-7
17.109  17.076    0.033          149024 0.00408  0.004081                      (a)
-------------------------------------------------------------------------------
$  27 Triphenyl phosphate                          CAS #: 115-86-6
17.508  17.509   -0.001        46460569 1.88279    1.883                       (R)
-------------------------------------------------------------------------------
   28 EPN                                          CAS #: 2104-64-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   29 Azinphos-methyl                              CAS #: 86-50-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   30 Coumaphos                                    CAS #: 56-72-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
```

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: bj0330143.d

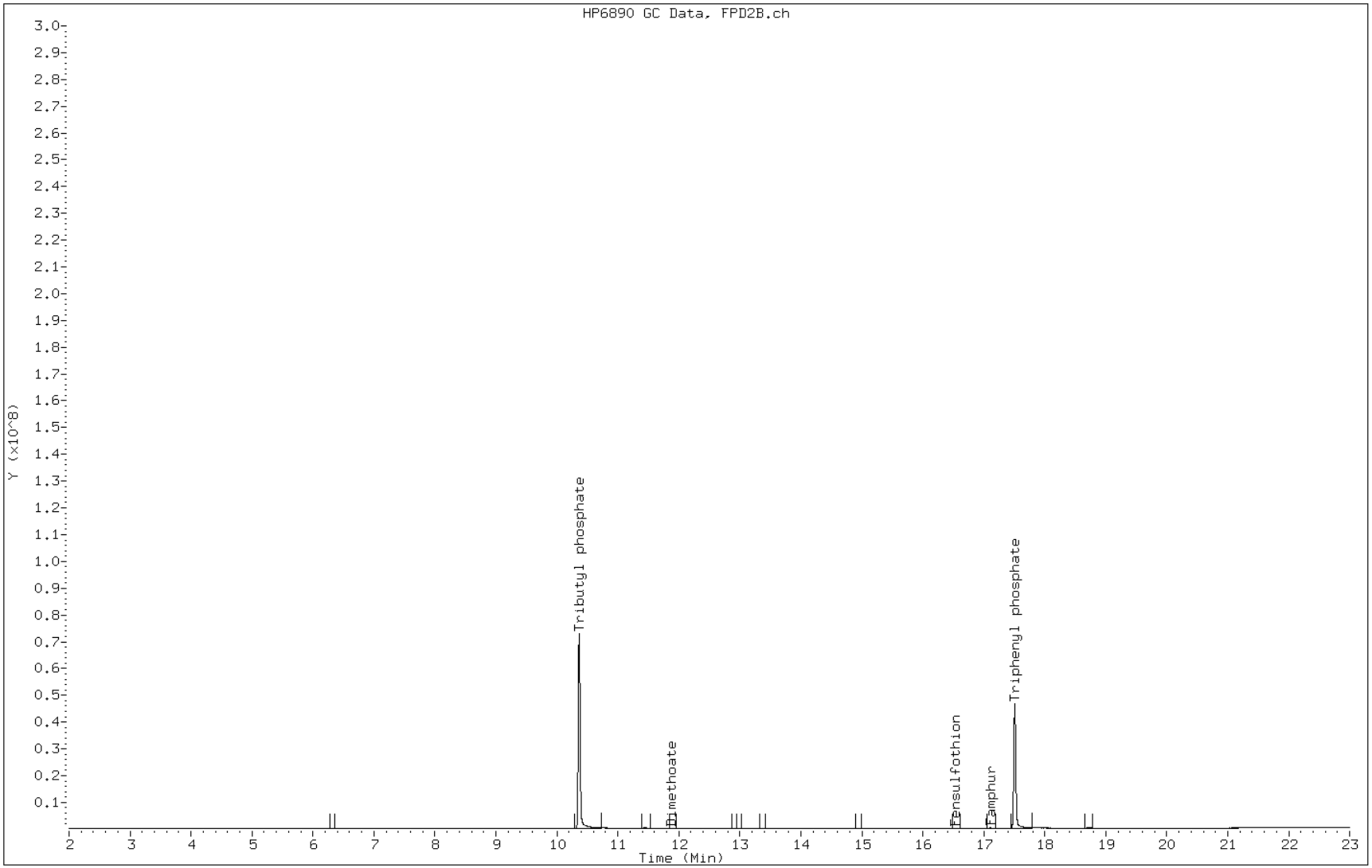
Date: 22-MAR-2013 11:10

Client ID: INFLUENT

Instrument: gc5.i

Sample Info: 03223.B

Operator: 01797



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8494

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	aj0230087.d
Level 2	IC 180-64558/2	aj0230088.d
Level 3	ICRT 180-64558/3	aj0230089.d
Level 4	IC 180-64558/4	aj0230090.d
Level 5	IC 180-64558/5	aj0230091.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Dichlorvos	6.813	6.812	6.811	6.811	6.811						6.761 - 6.861	6.812
Demeton-O	9.694	9.693	9.694	9.692	9.692						9.644 - 9.744	9.693
Mocap	10.289	10.288	10.288	10.286	10.284						10.238 - 10.338	10.287
Demeton-S	11.486	11.481	11.481	11.479	11.477						11.431 - 11.531	11.481
Fenthion	13.076	13.076	13.075	13.072	13.072						13.025 - 13.125	13.074
Methyl parathion	13.590	13.586	13.586	13.585	13.584						13.536 - 13.636	13.586
Tokuthion	14.234	14.232	14.231	14.230	14.229						14.181 - 14.281	14.231
Stirophos	14.866	14.864	14.865	14.862	14.861						14.815 - 14.915	14.864
EPN	17.672	17.670	17.671	17.670	17.669						17.621 - 17.721	17.670
Guthion	18.119	18.117	18.117	18.116	18.114						18.067 - 18.167	18.116
Tributyl phosphate	10.766	10.763	10.762	10.760	10.759						10.712 - 10.812	10.762
Triphenylphosphate	16.617	16.615	16.615	16.614	16.612						16.565 - 16.665	16.615

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8494

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	aj0230087.d
Level 2	IC 180-64558/2	aj0230088.d
Level 3	ICRT 180-64558/3	aj0230089.d
Level 4	IC 180-64558/4	aj0230090.d
Level 5	IC 180-64558/5	aj0230091.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Dichlorvos	48166610 56535569	50435352	53026061	54967274	Ave		52626173.3				6.4		20.0			
Demeton-O	11600495 12453512	11984262	12456804	12590263	Lin	0.00995720	12517768.6						20.0	0.9999		0.9900
Mocap	50143415 56232932	53604530	55244511	56873366	Ave		54419750.9				4.9		20.0			
Demeton-S	15982120 35075112	27055292	33119386	33615844	Lin	0.11155210	36035699.2						20.0	0.9998		0.9900
Fenthion	45762435 49143502	47878642	49950318	50012305	Ave		48549440.3				3.7		20.0			
Methyl parathion	40431015 49778732	45276098	47958483	48859208	Ave		46460707.2				8.1		20.0			
Tokuthion	35985575 34647123	35772758	36527149	35982188	Ave		35782958.5				1.9		20.0			
Stirophos	27230525 32094191	29453926	31130183	32024321	Ave		30386629.1				6.8		20.0			
EPN	25464345 33637140	28630676	30713142	32653976	Ave		30219855.9				10.8		20.0			
Guthion	23176355 32366641	27090864	29576469	31575838	Ave		28757233.3				13.0		20.0			
Tributyl phosphate	34762405 43082241	38385802	40912408	41808534	Ave		39790277.9				8.3		20.0			
Triphenylphosphate	27777575 28609881	27987506	29010592	28945045	Ave		28466119.9				2.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8494

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	aj0230087.d
Level 2	IC 180-64558/2	aj0230088.d
Level 3	ICRT 180-64558/3	aj0230089.d
Level 4	IC 180-64558/4	aj0230090.d
Level 5	IC 180-64558/5	aj0230091.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorvos	Ave	9633322	25217676	53026061	109934548	226142277	0.200	0.500	1.00	2.00	4.00
Demeton-O	Lin	2320099	5992131	12456804	25180526	49814046	0.200	0.500	1.00	2.00	4.00
Mocap	Ave	10028683	26802265	55244511	113746732	224931729	0.200	0.500	1.00	2.00	4.00
Demeton-S	Lin	3196424	13527646	33119386	67231687	140300449	0.200	0.500	1.00	2.00	4.00
Fenthion	Ave	9152487	23939321	49950318	100024609	196574008	0.200	0.500	1.00	2.00	4.00
Methyl parathion	Ave	8086203	22638049	47958483	97718416	199114928	0.200	0.500	1.00	2.00	4.00
Tokuthion	Ave	7197115	17886379	36527149	71964375	138588492	0.200	0.500	1.00	2.00	4.00
Stirophos	Ave	5446105	14726963	31130183	64048641	128376763	0.200	0.500	1.00	2.00	4.00
EPN	Ave	5092869	14315338	30713142	65307953	134548561	0.200	0.500	1.00	2.00	4.00
Guthion	Ave	4635271	13545432	29576469	63151676	129466562	0.200	0.500	1.00	2.00	4.00
Tributyl phosphate	Ave	6952481	19192901	40912408	83617068	172328962	0.200	0.500	1.00	2.00	4.00
Triphenylphosphate	Ave	5555515	13993753	29010592	57890090	114439525	0.200	0.500	1.00	2.00	4.00

Curve Type Legend:

Ave = Average by Height
Lin = Linear by Height

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8496

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	bj0230087.d
Level 2	IC 180-64558/2	bj0230088.d
Level 3	ICRT 180-64558/3	bj0230089.d
Level 4	IC 180-64558/4	bj0230090.d
Level 5	IC 180-64558/5	bj0230091.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Dichlorvos	6.069	6.069	6.068	6.067	6.066						6.018 - 6.118	6.068
Demeton-O	10.169	10.166	10.166	10.166	10.165						10.116 - 10.216	10.166
Mocap	10.437	10.435	10.434	10.432	10.432						10.384 - 10.484	10.434
Demeton-S	11.466	11.462	11.462	11.460	11.459						11.412 - 11.512	11.462
Methyl parathion	13.194	13.191	13.191	13.190	13.189						13.141 - 13.241	13.191
Fenthion	14.003	14.001	14.001	14.000	13.999						13.951 - 14.051	14.001
Stirophos	15.224	15.221	15.222	15.221	15.219						15.172 - 15.272	15.222
Tokuthion	15.357	15.356	15.355	15.355	15.354						15.305 - 15.405	15.355
EPN	17.954	17.952	17.953	17.952	17.950						17.903 - 18.003	17.952
Guthion	18.840	18.840	18.839	18.837	18.837						18.789 - 18.889	18.839
Tributyl phosphate	10.312	10.308	10.308	10.306	10.306						10.258 - 10.358	10.308
Triphenylphosphate	17.457	17.456	17.456	17.455	17.454						17.406 - 17.506	17.456

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8496

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	bj0230087.d
Level 2	IC 180-64558/2	bj0230088.d
Level 3	ICRT 180-64558/3	bj0230089.d
Level 4	IC 180-64558/4	bj0230090.d
Level 5	IC 180-64558/5	bj0230091.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Dichlorvos	40184905 49643058	43017658	45449701	47890791	Ave		45237222.5				8.3		20.0			
Demeton-O	11181165 11946770	11467236	11792142	12062507	Lin	0.01412500	12015936.5						20.0	0.9999		0.9900
Mocap	47519240 54010515	50624862	52766224	54140740	Ave		51812316.2				5.4		20.0			
Demeton-S	14916815 33253135	24953808	30737166	31760325	Lin	0.12195600	34234568.8						20.0	0.9999		0.9900
Methyl parathion	37639115 48164444	41722086	44778680	46905531	Ave		43841971.1				9.7		20.0			
Fenthion	44698450 46938560	45782592	47865418	47822970	Ave		46621597.8				2.9		20.0			
Stirophos	23801130 29405807	26259474	28133240	28980874	Ave		27316105.1				8.4		20.0			
Tokuthion	34190655 33046805	34178106	34643745	34018793	Ave		34015620.9				1.7		20.0			
EPN	23042150 30945560	26030038	27977393	29842109	Ave		27567449.9				11.4		20.0			
Guthion	18823670 29044413	23376164	25709327	27770369	Ave		24944788.5				16.2		20.0			
Tributyl phosphate	31271425 40660944	35291376	38126702	39070412	Ave		36884171.6				10.0		20.0			
Triphenylphosphate	23635935 24845931	24470006	25205958	25224326	Ave		24676431.1				2.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8496

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	bj0230087.d
Level 2	IC 180-64558/2	bj0230088.d
Level 3	ICRT 180-64558/3	bj0230089.d
Level 4	IC 180-64558/4	bj0230090.d
Level 5	IC 180-64558/5	bj0230091.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorvos	Ave	8036981	21508829	45449701	95781582	198572230	0.200	0.500	1.00	2.00	4.00
Demeton-O	Lin	2236233	5733618	11792142	24125013	47787082	0.200	0.500	1.00	2.00	4.00
Mocap	Ave	9503848	25312431	52766224	108281480	216042060	0.200	0.500	1.00	2.00	4.00
Demeton-S	Lin	2983363	12476904	30737166	63520649	133012540	0.200	0.500	1.00	2.00	4.00
Methyl parathion	Ave	7527823	20861043	44778680	93811062	192657775	0.200	0.500	1.00	2.00	4.00
Fenthion	Ave	8939690	22891296	47865418	95645939	187754238	0.200	0.500	1.00	2.00	4.00
Stirophos	Ave	4760226	13129737	28133240	57961749	117623227	0.200	0.500	1.00	2.00	4.00
Tokuthion	Ave	6838131	17089053	34643745	68037586	132187221	0.200	0.500	1.00	2.00	4.00
EPN	Ave	4608430	13015019	27977393	59684217	123782239	0.200	0.500	1.00	2.00	4.00
Guthion	Ave	3764734	11688082	25709327	55540737	116177652	0.200	0.500	1.00	2.00	4.00
Tributyl phosphate	Ave	6254285	17645688	38126702	78140823	162643775	0.200	0.500	1.00	2.00	4.00
Triphenylphosphate	Ave	4727187	12235003	25205958	50448651	99383725	0.200	0.500	1.00	2.00	4.00

Curve Type Legend:

Ave = Average by Height
Lin = Linear by Height

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8495

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	aj0230092.d
Level 2	IC 180-64558/7	aj0230093.d
Level 3	IC 180-64558/8	aj0230094.d
Level 4	IC 180-64558/18	aj0230095.d
Level 5	IC 180-64558/9	aj0230096.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
O,O,O-Triethyl phosphorothioate	4.835	4.835	4.834	4.834	4.834						4.784 - 4.884	4.834
Mevinphos	9.294	9.290	9.289	9.291	9.288						9.239 - 9.339	9.291
Thionazin	9.888	9.887	9.886	9.887	9.885						9.836 - 9.936	9.887
Phorate	10.319	10.316	10.316	10.317	10.316						10.266 - 10.366	10.317
Sulfotepp	10.686	10.685	10.685	10.687	10.685						10.635 - 10.735	10.685
Diazinon	11.081	11.078	11.078	11.078	11.077						11.028 - 11.128	11.078
Disulfoton	11.431	11.430	11.429	11.431	11.428						11.379 - 11.479	11.430
Dimethoate	12.245	12.240	12.239	12.238	12.235						12.189 - 12.289	12.239
Ronnel	12.436	12.435	12.436	12.437	12.434						12.386 - 12.486	12.436
Chlorpyrifos	12.931	12.930	12.929	12.932	12.929						12.879 - 12.979	12.930
Trichloronate	13.112	13.112	13.110	13.112	13.111						13.060 - 13.160	13.112
Malathion	13.709	13.707	13.708	13.708	13.706						13.658 - 13.758	13.708
Parathion	14.367	14.365	14.365	14.367	14.365						14.315 - 14.415	14.366
Bolstar	15.426	15.423	15.424	15.423	15.421						15.374 - 15.474	15.423
Fensulfothion	17.041	17.036	17.035	17.037	17.034						16.985 - 17.085	17.037
Famphur	17.862	17.861	17.861	17.863	17.861						17.811 - 17.911	17.862
Coumaphos	20.188	20.189	20.187	20.190	20.187						20.137 - 20.237	20.188

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8495

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	aj0230092.d
Level 2	IC 180-64558/7	aj0230093.d
Level 3	IC 180-64558/8	aj0230094.d
Level 4	IC 180-64558/18	aj0230095.d
Level 5	IC 180-64558/9	aj0230096.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
O,O,O-Triethyl phosphorothioate	87178740 89434175	86063660	82482108	81714095	Ave		85374555.6				3.8		20.0			
Mevinphos	83150895 125648783	96133320	99154653	108547171	Ave		102526964				15.4		20.0			
Thionazin	47739350 58863369	51414630	50981791	52890194	Ave		52377866.9				7.8		20.0			
Phorate	48216245 53598244	49784742	49020048	49765479	Ave		50076951.5				4.1		20.0			
Sulfotepp	84756140 87603222	84741612	82281202	82621880	Ave		84400811.2				2.5		20.0			
Diazinon	44172035 48396015	44949000	43694574	44804672	Ave		45203259.1				4.1		20.0			
Disulfoton	45591465 49840954	46837004	45481972	46990795	Ave		46948438.0				3.7		20.0			
Dimethoate	75588645 105450478	86520494	84131707	96280868	Ave		89594438.3				12.9		20.0			
Ronnel	41720695 46055225	43085666	41420493	43234896	Ave		43103394.9				4.3		20.0			
Chlorpyrifos	38046525 40695704	38974168	37124800	38595520	Ave		38687343.4				3.4		20.0			
Trichloronate	39310480 41354684	39067866	37372342	38636890	Ave		39148452.5				3.7		20.0			
Malathion	35972825 39222608	37249512	35792886	37389419	Ave		37125450.0				3.7		20.0			
Parathion	38448170 45087849	39430176	39771431	41648145	Ave		40877154.1				6.4		20.0			
Bolstar	34405420 37513764	35879696	34267107	36259171	Ave		35665031.6				3.8		20.0			
Fensulfothion	66987360 96765262	77431796	75736881	89673834	Ave		81319026.5				14.6		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8495

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Famphur	36146945 41093051	38278260	37392561	40101451	Ave		38602453.6				5.2		20.0			
Coumaphos	25629205 29052616	26553386	26141227	27878325	Ave		27050951.8				5.2		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8495

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	aj0230092.d
Level 2	IC 180-64558/7	aj0230093.d
Level 3	IC 180-64558/8	aj0230094.d
Level 4	IC 180-64558/18	aj0230095.d
Level 5	IC 180-64558/9	aj0230096.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
O,O,O-Triethyl phosphorothioate	Ave	17435748	43031830	82482108	163428190	357736700	0.200	0.500	1.00	2.00	4.00
Mevinphos	Ave	16630179	48066660	99154653	217094342	502595132	0.200	0.500	1.00	2.00	4.00
Thionazin	Ave	9547870	25707315	50981791	105780388	235453477	0.200	0.500	1.00	2.00	4.00
Phorate	Ave	9643249	24892371	49020048	99530957	214392976	0.200	0.500	1.00	2.00	4.00
Sulfotepp	Ave	16951228	42370806	82281202	165243760	350412887	0.200	0.500	1.00	2.00	4.00
Diazinon	Ave	8834407	22474500	43694574	89609344	193584058	0.200	0.500	1.00	2.00	4.00
Disulfoton	Ave	9118293	23418502	45481972	93981590	199363816	0.200	0.500	1.00	2.00	4.00
Dimethoate	Ave	15117729	43260247	84131707	192561736	421801911	0.200	0.500	1.00	2.00	4.00
Ronnel	Ave	8344139	21542833	41420493	86469791	184220900	0.200	0.500	1.00	2.00	4.00
Chlorpyrifos	Ave	7609305	19487084	37124800	77191040	162782815	0.200	0.500	1.00	2.00	4.00
Trichloronate	Ave	7862096	19533933	37372342	77273780	165418737	0.200	0.500	1.00	2.00	4.00
Malathion	Ave	7194565	18624756	35792886	74778838	156890432	0.200	0.500	1.00	2.00	4.00
Parathion	Ave	7689634	19715088	39771431	83296290	180351395	0.200	0.500	1.00	2.00	4.00
Bolstar	Ave	6881084	17939848	34267107	72518342	150055057	0.200	0.500	1.00	2.00	4.00
Fensulfothion	Ave	13397472	38715898	75736881	179347667	387061048	0.200	0.500	1.00	2.00	4.00
Famphur	Ave	7229389	19139130	37392561	80202902	164372205	0.200	0.500	1.00	2.00	4.00
Coumaphos	Ave	5125841	13276693	26141227	55756650	116210464	0.200	0.500	1.00	2.00	4.00

Curve Type Legend:
Ave = Average by Height

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	bj0230092.d
Level 2	IC 180-64558/7	bj0230093.d
Level 3	IC 180-64558/8	bj0230094.d
Level 4	IC 180-64558/18	bj0230095.d
Level 5	IC 180-64558/9	bj0230096.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
O,O,O-Triethyl phosphorothioate	4.866	4.865	4.865	4.865	4.866						4.815 - 4.915	4.865
Mevinphos	8.316	8.311	8.311	8.310	8.309						8.261 - 8.361	8.312
Thionazin	10.257	10.256	10.255	10.257	10.254						10.205 - 10.305	10.256
Sulfotepp	11.008	11.007	11.007	11.008	11.007						10.957 - 11.057	11.008
Phorate	11.049	11.049	11.049	11.049	11.048						10.999 - 11.099	11.049
Dimethoate	11.831	11.825	11.822	11.822	11.818						11.772 - 11.872	11.824
Diazinon	12.031	12.030	12.029	12.031	12.030						11.979 - 12.079	12.030
Disulfoton	12.194	12.193	12.192	12.193	12.192						12.142 - 12.242	12.193
Ronnel	13.238	13.236	13.235	13.237	13.236						13.185 - 13.285	13.237
Malathion	13.788	13.788	13.787	13.789	13.787						13.737 - 13.837	13.788
Chlorpyrifos	13.875	13.875	13.874	13.875	13.873						13.824 - 13.924	13.874
Parathion	13.967	13.966	13.964	13.967	13.966						13.916 - 14.016	13.966
Trichloronate	13.967	13.966	13.964	13.967	13.966						13.915 - 14.015	13.966
Fensulfothion	16.491	16.488	16.486	16.487	16.483						16.436 - 16.536	16.487
Bolstar	16.630	16.629	16.629	16.630	16.628						16.579 - 16.679	16.629
Famphur	17.024	17.022	17.022	17.024	17.022						16.972 - 17.072	17.023
Coumaphos	19.815	19.812	19.813	19.815	19.812						19.763 - 19.863	19.813

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	bj0230092.d
Level 2	IC 180-64558/7	bj0230093.d
Level 3	IC 180-64558/8	bj0230094.d
Level 4	IC 180-64558/18	bj0230095.d
Level 5	IC 180-64558/9	bj0230096.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
O,O,O-Triethyl phosphorothioate	86268035 88166736	84595300	81671929	80411357	Ave		84222671.3				3.8		20.0			
Mevinphos	50486835 82507521	59241302	63739148	70433098	Ave		65281580.6				18.5		20.0			
Thionazin	45989745 56578555	48548850	48791319	50980679	Ave		50177829.6				8.0		20.0			
Sulfotepp	81834985 88950005	82316484	79174263	80850992	Ave		82625345.8				4.5		20.0			
Phorate	51934305 53574712	51935638	50018511	50290336	Ave		51550700.3				2.8		20.0			
Dimethoate	65772445 97420354	76043820	74937923	86573605	Ave		80149629.3				15.2		20.0			
Diazinon	43323190 46371571	43751660	42252858	43334358	Ave		43806727.5				3.5		20.0			
Disulfoton	44012225 48444978	44721276	43946498	45380567	Ave		45301108.6				4.1		20.0			
Ronnel	39919010 43218842	40663854	39285296	40963483	Ave		40810097.0				3.7		20.0			
Malathion	33720355 37219361	34995362	33765370	34932512	Ave		34926592.0				4.1		20.0			
Chlorpyrifos	38012585 39878117	38201712	36578914	37532973	Ave		38040860.1				3.2		20.0			
Parathion	68560165 78571534	70442000	69047697	72844457	Ave		71893170.7				5.7		20.0			
Trichloronate	68560165 78571534	70442000	69047697	72844457	Ave		71893170.7				5.7		20.0			
Fensulfothion	53266645 79456610	62012734	61277010	72204740	Ave		65643547.8				15.6		20.0			
Bolstar	33709050 35291283	33837816	32412979	34260267	Ave		33902279.0				3.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8497

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Famphur	33259520 39826663	35797950	35598214	38079895	Ave		36512448.5				6.9		20.0			
Coumaphos	24678070 28667187	25640824	25801043	27449384	Ave		26447301.6				6.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	bj0230092.d
Level 2	IC 180-64558/7	bj0230093.d
Level 3	IC 180-64558/8	bj0230094.d
Level 4	IC 180-64558/18	bj0230095.d
Level 5	IC 180-64558/9	bj0230096.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
O,O,O-Triethyl phosphorothioate	Ave	17253607	42297650	81671929	160822713	352666945	0.200	0.500	1.00	2.00	4.00
Mevinphos	Ave	10097367	29620651	63739148	140866195	330030083	0.200	0.500	1.00	2.00	4.00
Thionazin	Ave	9197949	24274425	48791319	101961358	226314220	0.200	0.500	1.00	2.00	4.00
Sulfotepp	Ave	16366997	41158242	79174263	161701984	355800019	0.200	0.500	1.00	2.00	4.00
Phorate	Ave	10386861	25967819	50018511	100580671	214298848	0.200	0.500	1.00	2.00	4.00
Dimethoate	Ave	13154489	38021910	74937923	173147209	389681417	0.200	0.500	1.00	2.00	4.00
Diazinon	Ave	8664638	21875830	42252858	86668716	185486285	0.200	0.500	1.00	2.00	4.00
Disulfoton	Ave	8802445	22360638	43946498	90761133	193779910	0.200	0.500	1.00	2.00	4.00
Ronnel	Ave	7983802	20331927	39285296	81926966	172875369	0.200	0.500	1.00	2.00	4.00
Malathion	Ave	6744071	17497681	33765370	69865023	148877445	0.200	0.500	1.00	2.00	4.00
Chlorpyrifos	Ave	7602517	19100856	36578914	75065945	159512468	0.200	0.500	1.00	2.00	4.00
Parathion	Ave	13712033	35221000	69047697	145688914	314286137	0.200	0.500	1.00	2.00	4.00
Trichloronate	Ave	13712033	35221000	69047697	145688914	314286137	0.200	0.500	1.00	2.00	4.00
Fensulfothion	Ave	10653329	31006367	61277010	144409479	317826441	0.200	0.500	1.00	2.00	4.00
Bolstar	Ave	6741810	16918908	32412979	68520533	141165133	0.200	0.500	1.00	2.00	4.00
Famphur	Ave	6651904	17898975	35598214	76159790	159306653	0.200	0.500	1.00	2.00	4.00
Coumaphos	Ave	4935614	12820412	25801043	54898768	114668747	0.200	0.500	1.00	2.00	4.00

Curve Type Legend:
Ave = Average by Height

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67073/1 Calibration Date: 03/22/2013 10:13

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: aj0330141.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorvos	Ave	52626173	46995516		0.893	1.00	-10.7	15.0
Demeton-O	Lin	12217067	11674462		0.943	1.00	-5.7	15.0
Mocap	Ave	54419751	52684898		0.968	1.00	-3.2	15.0
Demeton-S	Lin	28969551	32240381		1.01	1.00	0.6	15.0
Fenthion	Ave	48549440	48720923		1.00	1.00	0.4	15.0
Methyl parathion	Ave	46460707	43338700		0.933	1.00	-6.7	15.0
Tokuthion	Ave	35782959	35684402		0.997	1.00	-0.3	15.0
Stirophos	Ave	30386629	30593737		1.01	1.00	0.7	15.0
EPN	Ave	30219856	28316971		0.937	1.00	-6.3	15.0
Guthion	Ave	28757233	30809173		1.07	1.00	7.1	15.0
Tributyl phosphate	Ave	39790278	43483119		1.09	1.00	9.3	15.0
Triphenylphosphate	Ave	28466120	29481700		1.04	1.00	3.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67073/1 Calibration Date: 03/22/2013 10:13

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: aj0330141.d

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorvos	6.80	6.75	6.85
Demeton-O	9.69	9.64	9.74
Mocap	10.28	10.23	10.33
Demeton-S	11.47	11.42	11.52
Fenthion	13.07	13.02	13.12
Methyl parathion	13.58	13.53	13.63
Tokuthion	14.23	14.18	14.28
Stirophos	14.86	14.81	14.91
EPN	17.67	17.62	17.72
Guthion	18.11	18.06	18.16
Tributyl phosphate	10.75	10.70	10.80
Triphenylphosphate	16.61	16.56	16.66

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67073/1 Calibration Date: 03/22/2013 10:13

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: bj0330141.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorvos	Ave	45237223	39655712		0.877	1.00	-12.3	15.0
Demeton-O	Lin	11689964	10693150		0.904	1.00	-9.6	15.0
Mocap	Ave	51812316	49071921		0.947	1.00	-5.3	15.0
Demeton-S	Lin	27124250	29088953		0.972	1.00	-2.8	15.0
Methyl parathion	Ave	43841971	38638544		0.881	1.00	-11.9	15.0
Fenthion	Ave	46621598	45143582		0.968	1.00	-3.2	15.0
Stirophos	Ave	27316105	26562064		0.972	1.00	-2.8	15.0
Tokuthion	Ave	34015621	32984620		0.970	1.00	-3.0	15.0
EPN	Ave	27567450	24525135		0.890	1.00	-11.0	15.0
Guthion	Ave	24944789	25447714		1.02	1.00	2.0	15.0
Tributyl phosphate	Ave	36884172	38554119		1.05	1.00	4.5	15.0
Triphenylphosphate	Ave	24676431	24732187		1.00	1.00	0.2	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67073/1 Calibration Date: 03/22/2013 10:13

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: bj0330141.d

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorvos	6.13	6.08	6.18
Demeton-O	10.23	10.18	10.28
Mocap	10.50	10.45	10.55
Demeton-S	11.52	11.47	11.57
Methyl parathion	13.25	13.20	13.30
Fenthion	14.06	14.01	14.11
Stirophos	15.28	15.23	15.33
Tokuthion	15.41	15.36	15.46
EPN	18.01	17.96	18.06
Guthion	18.89	18.84	18.94
Tributyl phosphate	10.37	10.32	10.42
Triphenylphosphate	17.51	17.46	17.56

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/2 Calibration Date: 03/22/2013 10:42

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: aj0330142.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O,O-Triethyl phosphorothioate	Ave	85374556	88660777		1.04	1.00	3.8	15.0
Mevinphos	Ave	102526964	107703949		1.05	1.00	5.0	15.0
Thionazin	Ave	52377867	54836239		1.05	1.00	4.7	15.0
Phorate	Ave	50076952	52442442		1.05	1.00	4.7	15.0
Sulfotepp	Ave	84400811	89770154		1.06	1.00	6.4	15.0
Diazinon	Ave	45203259	47564194		1.05	1.00	5.2	15.0
Disulfoton	Ave	46948438	49477162		1.05	1.00	5.4	15.0
Dimethoate	Ave	89594438	94485030		1.05	1.00	5.5	15.0
Ronnel	Ave	43103395	44488372		1.03	1.00	3.2	15.0
Chlorpyrifos	Ave	38687343	40221946		1.04	1.00	4.0	15.0
Trichloronate	Ave	39148452	41076307		1.05	1.00	4.9	15.0
Malathion	Ave	37125450	39011436		1.05	1.00	5.1	15.0
Parathion	Ave	40877154	39385278		0.964	1.00	-3.6	15.0
Bolstar	Ave	35665032	36664205		1.03	1.00	2.8	15.0
Fensulfothion	Ave	81319027	82657870		1.02	1.00	1.6	15.0
Famphur	Ave	38602454	40643637		1.05	1.00	5.3	15.0
Coumaphos	Ave	27050952	27930745		1.03	1.00	3.3	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/2 Calibration Date: 03/22/2013 10:42

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: aj0330142.d

Analyte	RT	RT WINDOW	
		FROM	TO
O,O,O-Triethyl phosphorothioate	4.83	4.78	4.88
Mevinphos	9.28	9.23	9.33
Thionazin	9.88	9.83	9.93
Phorate	10.31	10.26	10.36
Sulfotepp	10.68	10.63	10.73
Diazinon	11.07	11.02	11.12
Disulfoton	11.42	11.37	11.47
Dimethoate	12.23	12.18	12.28
Ronnel	12.43	12.38	12.48
Chlorpyrifos	12.92	12.87	12.97
Trichloronate	13.11	13.06	13.16
Malathion	13.70	13.65	13.75
Parathion	14.36	14.31	14.41
Bolstar	15.42	15.37	15.47
Fensulfothion	17.03	16.98	17.08
Famphur	17.86	17.81	17.91
Coumaphos	20.18	20.13	20.23

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/2 Calibration Date: 03/22/2013 10:42

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: bj0330142.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O,O-Triethyl phosphorothioate	Ave	84222671	84153451		0.999	1.00	-0.0	15.0
Mevinphos	Ave	65281581	65830142		1.01	1.00	0.8	15.0
Thionazin	Ave	50177830	50310977		1.00	1.00	0.3	15.0
Sulfotepp	Ave	82625346	84178193		1.02	1.00	1.9	15.0
Phorate	Ave	51550700	51715810		1.00	1.00	0.3	15.0
Dimethoate	Ave	80149629	80486288		1.00	1.00	0.4	15.0
Diazinon	Ave	43806727	44465284		1.02	1.00	1.5	15.0
Disulfoton	Ave	45301109	46385235		1.02	1.00	2.4	15.0
Ronnel	Ave	40810097	41450871		1.02	1.00	1.6	15.0
Malathion	Ave	34926592	35561469		1.02	1.00	1.8	15.0
Chlorpyrifos	Ave	38040860	38630544		1.02	1.00	1.6	15.0
Parathion	Ave	71893171	70605119		0.982	1.00	-1.8	15.0
Trichloronate	Ave	71893171	70605119		0.982	1.00	-1.8	15.0
Fensulfothion	Ave	65643548	65608088		0.999	1.00	-0.0	15.0
Bolstar	Ave	33902279	33818436		0.998	1.00	-0.2	15.0
Famphur	Ave	36512448	36853670		1.01	1.00	0.9	15.0
Coumaphos	Ave	26447302	25901908		0.979	1.00	-2.1	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/2 Calibration Date: 03/22/2013 10:42

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: bj0330142.d

Analyte	RT	RT WINDOW	
		FROM	TO
O,O,O-Triethyl phosphorothioate	4.93	4.88	4.98
Mevinphos	8.38	8.33	8.43
Thionazin	10.32	10.27	10.37
Sulfotepp	11.07	11.02	11.12
Phorate	11.11	11.06	11.16
Dimethoate	11.88	11.83	11.93
Diazinon	12.09	12.04	12.14
Disulfoton	12.25	12.20	12.30
Ronnel	13.30	13.25	13.35
Malathion	13.84	13.79	13.89
Chlorpyrifos	13.93	13.88	13.98
Parathion	14.02	13.97	14.07
Trichloronate	14.02	13.97	14.07
Fensulfothion	16.54	16.49	16.59
Bolstar	16.68	16.63	16.73
Famphur	17.08	17.03	17.13
Coumaphos	19.87	19.82	19.92

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/7 Calibration Date: 03/22/2013 13:04

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: aj0330147.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorvos	Ave	52626173	48843277		0.928	1.00	-7.2	15.0
Demeton-O	Lin	12217067	12135670		0.979	1.00	-2.1	15.0
Mocap	Ave	54419751	54468355		1.00	1.00	0.0	15.0
Demeton-S	Lin	28969551	32567418		1.02	1.00	1.5	15.0
Fenthion	Ave	48549440	50211726		1.03	1.00	3.4	15.0
Methyl parathion	Ave	46460707	43842167		0.944	1.00	-5.6	15.0
Tokuthion	Ave	35782959	36089647		1.01	1.00	0.9	15.0
Stirophos	Ave	30386629	30206106		0.994	1.00	-0.6	15.0
EPN	Ave	30219856	26989962		0.893	1.00	-10.7	15.0
Guthion	Ave	28757233	28390267		0.987	1.00	-1.3	15.0
Tributyl phosphate	Ave	39790278	40417426		1.02	1.00	1.6	15.0
Triphenylphosphate	Ave	28466120	29192794		1.03	1.00	2.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/7 Calibration Date: 03/22/2013 13:04

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: aj0330147.d

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorvos	6.80	6.75	6.85
Demeton-O	9.68	9.64	9.74
Mocap	10.28	10.23	10.33
Demeton-S	11.47	11.42	11.52
Fenthion	13.07	13.02	13.12
Methyl parathion	13.58	13.53	13.63
Tokuthion	14.23	14.18	14.28
Stirophos	14.86	14.81	14.91
EPN	17.66	17.62	17.72
Guthion	18.11	18.06	18.16
Tributyl phosphate	10.75	10.70	10.80
Triphenylphosphate	16.61	16.56	16.66

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/7 Calibration Date: 03/22/2013 13:04

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: bj0330147.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorvos	Ave	45237223	41287250		0.913	1.00	-8.7	15.0
Demeton-O	Lin	11689964	11130275		0.940	1.00	-6.0	15.0
Mocap	Ave	51812316	49882508		0.963	1.00	-3.7	15.0
Demeton-S	Lin	27124250	29036619		0.970	1.00	-3.0	15.0
Methyl parathion	Ave	43841971	39701861		0.906	1.00	-9.4	15.0
Fenthion	Ave	46621598	45588530		0.978	1.00	-2.2	15.0
Stirophos	Ave	27316105	26258219		0.961	1.00	-3.9	15.0
Tokuthion	Ave	34015621	33762812		0.993	1.00	-0.7	15.0
EPN	Ave	27567450	23477911		0.852	1.00	-14.8	15.0
Guthion	Ave	24944789	23752798		0.952	1.00	-4.8	15.0
Tributyl phosphate	Ave	36884172	35745205		0.969	1.00	-3.1	15.0
Triphenylphosphate	Ave	24676431	24313651		0.985	1.00	-1.5	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/7 Calibration Date: 03/22/2013 13:04

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: bj0330147.d

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorvos	6.13	6.08	6.18
Demeton-O	10.23	10.18	10.28
Mocap	10.49	10.45	10.55
Demeton-S	11.52	11.47	11.57
Methyl parathion	13.25	13.20	13.30
Fenthion	14.06	14.01	14.11
Stirophos	15.28	15.23	15.33
Tokuthion	15.41	15.36	15.46
EPN	18.00	17.96	18.06
Guthion	18.89	18.84	18.94
Tributyl phosphate	10.37	10.32	10.42
Triphenylphosphate	17.51	17.46	17.56

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/8 Calibration Date: 03/22/2013 13:33

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: aj0330148.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O,O-Triethyl phosphorothioate	Ave	85374556	86706279		1.02	1.00	1.6	15.0
Mevinphos	Ave	102526964	104903250		1.02	1.00	2.3	15.0
Thionazin	Ave	52377867	53283807		1.02	1.00	1.7	15.0
Phorate	Ave	50076952	51493561		1.03	1.00	2.8	15.0
Sulfotepp	Ave	84400811	87766205		1.04	1.00	4.0	15.0
Diazinon	Ave	45203259	45926516		1.02	1.00	1.6	15.0
Disulfoton	Ave	46948438	47556263		1.01	1.00	1.3	15.0
Dimethoate	Ave	89594438	88059537		0.983	1.00	-1.7	15.0
Ronnel	Ave	43103395	43549946		1.01	1.00	1.0	15.0
Chlorpyrifos	Ave	38687343	39800910		1.03	1.00	2.9	15.0
Trichloronate	Ave	39148452	40226162		1.03	1.00	2.8	15.0
Malathion	Ave	37125450	38046689		1.02	1.00	2.5	15.0
Parathion	Ave	40877154	39240417		0.960	1.00	-4.0	15.0
Bolstar	Ave	35665032	36186853		1.01	1.00	1.5	15.0
Fensulfothion	Ave	81319027	76552610		0.941	1.00	-5.9	15.0
Famphur	Ave	38602454	39271955		1.02	1.00	1.7	15.0
Coumaphos	Ave	27050952	27032329		0.999	1.00	-0.0	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/8 Calibration Date: 03/22/2013 13:33

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: aj0330148.d

Analyte	RT	RT WINDOW	
		FROM	TO
O,O,O-Triethyl phosphorothioate	4.82	4.78	4.88
Mevinphos	9.28	9.23	9.33
Thionazin	9.88	9.83	9.93
Phorate	10.31	10.26	10.36
Sulfotepp	10.68	10.63	10.73
Diazinon	11.07	11.02	11.12
Disulfoton	11.42	11.37	11.47
Dimethoate	12.23	12.18	12.28
Ronnel	12.43	12.38	12.48
Chlorpyrifos	12.92	12.87	12.97
Trichloronate	13.10	13.06	13.16
Malathion	13.70	13.65	13.75
Parathion	14.36	14.31	14.41
Bolstar	15.42	15.37	15.47
Fensulfothion	17.03	16.98	17.08
Famphur	17.85	17.81	17.91
Coumaphos	20.18	20.13	20.23

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/8 Calibration Date: 03/22/2013 13:33

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: bj0330148.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O,O-Triethyl phosphorothioate	Ave	84222671	82473817		0.979	1.00	-2.1	15.0
Mevinphos	Ave	65281581	63084736		0.966	1.00	-3.4	15.0
Thionazin	Ave	50177830	49078930		0.978	1.00	-2.2	15.0
Sulfotepp	Ave	82625346	82263643		0.996	1.00	-0.4	15.0
Phorate	Ave	51550700	50416945		0.978	1.00	-2.2	15.0
Dimethoate	Ave	80149629	75495582		0.942	1.00	-5.8	15.0
Diazinon	Ave	43806727	43298748		0.988	1.00	-1.2	15.0
Disulfoton	Ave	45301109	45102857		0.996	1.00	-0.4	15.0
Ronnel	Ave	40810097	40243588		0.986	1.00	-1.4	15.0
Malathion	Ave	34926592	34913230		1.00	1.00	-0.0	15.0
Chlorpyrifos	Ave	38040860	37764215		0.993	1.00	-0.7	15.0
Parathion	Ave	71893171	69044251		0.960	1.00	-4.0	15.0
Trichloronate	Ave	71893171	69044251		0.960	1.00	-4.0	15.0
Fensulfothion	Ave	65643548	59622282		0.908	1.00	-9.2	15.0
Bolstar	Ave	33902279	32951052		0.972	1.00	-2.8	15.0
Famphur	Ave	36512448	36000022		0.986	1.00	-1.4	15.0
Coumaphos	Ave	26447302	25241355		0.954	1.00	-4.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/8 Calibration Date: 03/22/2013 13:33

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: bj0330148.d

Analyte	RT	RT WINDOW	
		FROM	TO
O,O,O-Triethyl phosphorothioate	4.93	4.88	4.98
Mevinphos	8.37	8.33	8.43
Thionazin	10.32	10.27	10.37
Sulfotepp	11.06	11.02	11.12
Phorate	11.11	11.06	11.16
Dimethoate	11.88	11.83	11.93
Diazinon	12.09	12.04	12.14
Disulfoton	12.25	12.20	12.30
Ronnel	13.29	13.25	13.35
Malathion	13.84	13.79	13.89
Chlorpyrifos	13.93	13.88	13.98
Parathion	14.02	13.97	14.07
Trichloronate	14.02	13.97	14.07
Fensulfothion	16.54	16.49	16.59
Bolstar	16.68	16.63	16.73
Famphur	17.08	17.03	17.13
Coumaphos	19.87	19.82	19.92

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-66996/1-A
Matrix: Water
Lab File ID: aj0330144.d
Analysis Method: 8141A
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 11:39
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-50-0	Guthion	ND		1.0	0.11
2921-88-2	Chlorpyrifos	ND		1.0	0.10
8065-48-3	Demeton, Total	ND		2.0	0.16
298-03-3	Demeton-O	ND		1.0	0.094
126-75-0	Demeton-S	ND		1.0	0.071
121-75-5	Malathion	ND		1.0	0.11
56-38-2	Parathion	ND		1.0	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	85		45-145
126-73-8	Tributyl phosphate	86		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330144.d
Report Date: 22-Mar-2013 12:36

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\aj0330144.d
Lab Smp Id: mb 180-66996/1-a
Inj Date : 22-MAR-2013 11:39
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : mb 180-66996/1-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppa1.m
Meth Date : 22-Mar-2013 11:29 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: aj0230096.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

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

1 O,O,O-TRIETHYL CAS #: 126-68-1

Peaks not detected for Quant. or Qual. signal(s).

---

2 Dichlorvos CAS #: 62-73-7

Peaks not detected for Quant. or Qual. signal(s).

---

3 Mevinphos CAS #: 7786-34-7

Peaks not detected for Quant. or Qual. signal(s).

---

5 Demeton, Total CAS #: 8065-48-3

Peaks not detected for Quant. or Qual. signal(s).

---

4 Demeton-O CAS #: 298-03-3

Peaks not detected for Quant. or Qual. signal(s).

---

6 Thionazin CAS #: 297-97-2

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330144.d
Report Date: 22-Mar-2013 12:36

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

    7 Ethoprop                                    CAS #: 13194-48-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    8 Phorate                                     CAS #: 298-02-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Sulfotepp                                   CAS #: 3689-24-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  10 Tributyl phosphate                          CAS #: 126-73-8
10.752  10.754   -0.002        68445982 1.72017    1.720                        (R)
-------------------------------------------------------------------------------
   11 Diazinon                                    CAS #: 333-41-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   12 Disulfoton                                  CAS #: 298-04-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   13 Demeton-S                                   CAS #: 126-75-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   14 Dimethoate                                  CAS #: 60-51-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   15 Ronnel                                      CAS #: 299-84-3
12.402  12.429   -0.027           44370 0.00103  0.001029                      (a)
-------------------------------------------------------------------------------
   16 Chlorpyrifos                                CAS #: 2921-88-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   17 Fenthion                                    CAS #: 55-38-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   18 Trichloronate                               CAS #: 327-98-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   19 Methyl parathion                            CAS #: 298-00-0
```

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330144.d
Report Date: 22-Mar-2013 12:36

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

   20 Malathion                                   CAS #: 121-75-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   21 Tokuthion                                   CAS #: 34643-46-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   22 Ethyl parathion                             CAS #: 56-38-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   23 Stirophos                                   CAS #: 22248-79-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   24 Bolstar                                     CAS #: 35400-43-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  25 Triphenyl phosphate                         CAS #: 115-86-6
16.609  16.610   -0.001        48535292 1.70502    1.705                        (R)
-------------------------------------------------------------------------------
   26 Fensulfothion                               CAS #: 115-90-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   27 EPN                                         CAS #: 2104-64-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   28 Famphur                                     CAS #: 52-85-7

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   29 Azinphos-methyl                             CAS #: 86-50-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   30 Coumaphos                                   CAS #: 56-72-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
```

QC Flag Legend

a - Target compound detected but quantitated amount

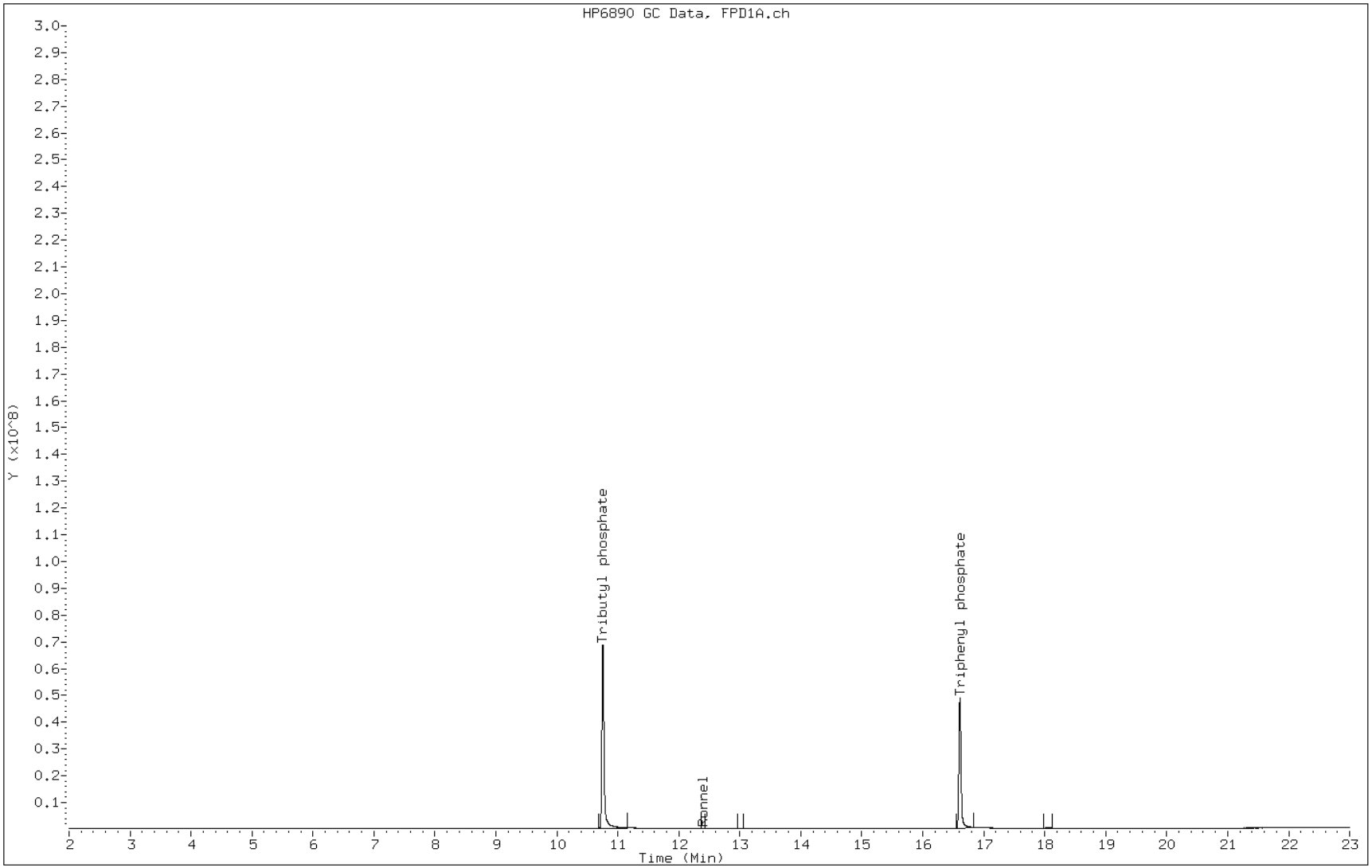
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: aj0330144.d

Date: 22-MAR-2013 11:39

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-66996/1-A

Matrix: Water Lab File ID: bj0330144.d

Analysis Method: 8141A Date Collected:

Extraction Method: 3510C Date Extracted: 03/21/2013 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 03/22/2013 11:39

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-OPP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 67073 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	83		45-145
126-73-8	Tributyl phosphate	82		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330144.d
Report Date: 22-Mar-2013 12:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\bj0330144.d
Lab Smp Id: mb 180-66996/1-a
Inj Date : 22-MAR-2013 11:39
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : mb 180-66996/1-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppb1.m
Meth Date : 22-Mar-2013 11:31 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: bj0230096.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

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

1 O,O,O-TRIETHYL CAS #: 126-68-1

Peaks not detected for Quant. or Qual. signal(s).

---

2 Dichlorvos CAS #: 62-73-7

Peaks not detected for Quant. or Qual. signal(s).

---

3 Mevinphos CAS #: 7786-34-7

Peaks not detected for Quant. or Qual. signal(s).

---

5 Demeton, Total CAS #: 8065-48-3

Peaks not detected for Quant. or Qual. signal(s).

---

4 Demeton-O CAS #: 298-03-3

Peaks not detected for Quant. or Qual. signal(s).

---

6 Thionazin CAS #: 297-97-2

Peaks not detected for Quant. or Qual. signal(s).

$ 7 Tributyl phosphate CAS #: 126-73-8
10.366 10.368 -0.002 60137773 1.63045 1.630 (R)

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330144.d
Report Date: 22-Mar-2013 12:37

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

8 Ethoprop CAS #: 13194-48-4

Peaks not detected for Quant. or Qual. signal(s).

---

9 Sulfotepp CAS #: 3689-24-5

Peaks not detected for Quant. or Qual. signal(s).

---

10 Phorate CAS #: 298-02-2

Peaks not detected for Quant. or Qual. signal(s).

---

11 Demeton-S CAS #: 126-75-0

Peaks not detected for Quant. or Qual. signal(s).

---

12 Dimethoate CAS #: 60-51-5

Peaks not detected for Quant. or Qual. signal(s).

---

13 Diazinon CAS #: 333-41-5

Peaks not detected for Quant. or Qual. signal(s).

---

14 Disulfoton CAS #: 298-04-4

Peaks not detected for Quant. or Qual. signal(s).

---

15 Methyl parathion CAS #: 298-00-0

Peaks not detected for Quant. or Qual. signal(s).

---

16 Ronnel CAS #: 299-84-3

Peaks not detected for Quant. or Qual. signal(s).

---

17 Malathion CAS #: 121-75-5

Peaks not detected for Quant. or Qual. signal(s).

---

18 Chlorpyrifos CAS #: 2921-88-2

Peaks not detected for Quant. or Qual. signal(s).

---

20 Ethyl parathion CAS #: 56-38-2

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330144.d
Report Date: 22-Mar-2013 12:37

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

   19 Trichloronate                                CAS #: 327-98-0

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   21 Fenthion                                     CAS #: 55-38-9

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   22 Stirophos                                    CAS #: 22248-79-9

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   23 Tokuthion                                    CAS #: 34643-46-4

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   24 Fensulfothion                                CAS #: 115-90-2

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   25 Bolstar                                      CAS #: 35400-43-2

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   26 Famphur                                      CAS #: 52-85-7
17.111  17.076    0.035           47179 0.00129  0.001292                      (a)
--------------------------------------------------------------------------------
$  27 Triphenyl phosphate                          CAS #: 115-86-6
17.507  17.509   -0.002        41174632 1.66858    1.668                        (R)
--------------------------------------------------------------------------------
   28 EPN                                          CAS #: 2104-64-5

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   29 Azinphos-methyl                              CAS #: 86-50-0

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   30 Coumaphos                                    CAS #: 56-72-4

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
```

QC Flag Legend

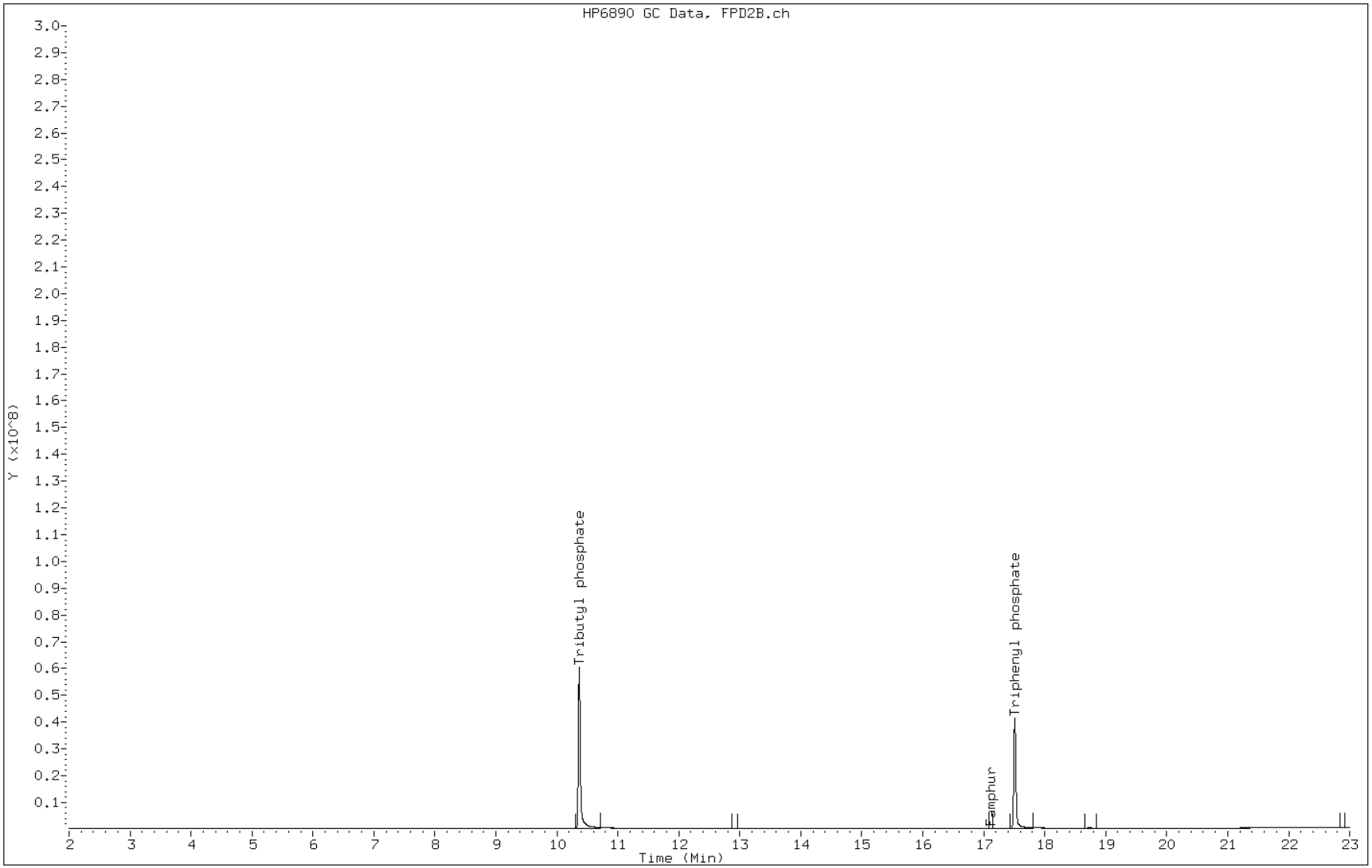
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: bj0330144.d

Date: 22-MAR-2013 11:39

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66996/2-A
Matrix: Water
Lab File ID: aj0330145.d
Analysis Method: 8141A
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 12:07
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-50-0	Guthion	11.8		1.0	0.11
2921-88-2	Chlorpyrifos	10.1		1.0	0.10
8065-48-3	Demeton, Total	21.7		2.0	0.16
298-03-3	Demeton-O	11.0		1.0	0.094
126-75-0	Demeton-S	10.7		1.0	0.071
121-75-5	Malathion	10.6		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	100		45-145
126-73-8	Tributyl phosphate	107		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330145.d
Report Date: 22-Mar-2013 12:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\aj0330145.d
Lab Smp Id: lcs 180-66996/2-a
Inj Date : 22-MAR-2013 12:07
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : lcs 180-66996/2-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppa1.m
Meth Date : 22-Mar-2013 11:29 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: aj0230096.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
1 O,O,O-TRIETHYL					CAS #: 126-68-1			
4.825	4.827	-0.002	162431859	1.90258	1.902			
2 Dichlorvos					CAS #: 62-73-7			
6.800	6.803	-0.003	96968011	1.84258	1.842			
3 Mevinphos					CAS #: 7786-34-7			
9.279	9.283	-0.004	218196815	2.12819	2.128			
5 Demeton, Total					CAS #: 8065-48-3			
9.683	9.685	-0.002	27498972	2.20675	2.207	0.00- 0.00	0.00	
11.468	11.473	-0.005	72963381	2.13630	2.136	0.00- 0.00	0.00	
Average of Peak Concentrations =					2.172			
4 Demeton-O					CAS #: 298-03-3			
9.683	9.685	-0.002	27498972	2.20675	2.207			
6 Thionazin					CAS #: 297-97-2			
9.876	9.879	-0.003	109510490	2.09078	2.091			
7 Ethoprop					CAS #: 13194-48-4			
10.279	10.279	0.000	120395440	2.21235	2.212			(M)
8 Phorate					CAS #: 298-02-2			
10.301	10.309	-0.008	113769479	2.27189	2.272			(M)
9 Sulfotepp					CAS #: 3689-24-5			
10.675	10.677	-0.002	172553313	2.04445	2.044			

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330145.d
Report Date: 22-Mar-2013 12:37

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

$  10 Tributyl phosphate                            CAS #: 126-73-8
10.751  10.754   -0.003        85524768 2.14939    2.149                        (R)
-------------------------------------------------------------------------------
   11 Diazinon                                      CAS #: 333-41-5
11.069  11.071   -0.002        92143336 2.03842    2.038
-------------------------------------------------------------------------------
   12 Disulfoton                                    CAS #: 298-04-4
11.420  11.423   -0.003        92646706 1.97337    1.973
-------------------------------------------------------------------------------
   13 Demeton-S                                     CAS #: 126-75-0
11.468  11.473   -0.005        72963381 2.13630    2.136
-------------------------------------------------------------------------------
   14 Dimethoate                                    CAS #: 60-51-5
12.227  12.230   -0.003       221093547 2.46772    2.468
-------------------------------------------------------------------------------
   15 Ronnel                                        CAS #: 299-84-3
12.426  12.429   -0.003        85298069 1.97892    1.979
-------------------------------------------------------------------------------
   16 Chlorpyrifos                                  CAS #: 2921-88-2
12.919  12.924   -0.005        78163689 2.02039    2.020
-------------------------------------------------------------------------------
   17 Fenthion                                      CAS #: 55-38-9
13.065  13.068   -0.003       110353557 2.27301    2.273
-------------------------------------------------------------------------------
   18 Trichloronate                                 CAS #: 327-98-0
13.100  13.105   -0.005        82643456 2.11103    2.111
-------------------------------------------------------------------------------
   19 Methyl parathion                              CAS #: 298-00-0
13.574  13.580   -0.006        95739083 2.06065    2.061
-------------------------------------------------------------------------------
   20 Malathion                                     CAS #: 121-75-5
13.699  13.699    0.000        78760223 2.12146    2.121
-------------------------------------------------------------------------------
   21 Tokuthion                                     CAS #: 34643-46-4
14.222  14.226   -0.004        68303916 1.90884    1.909
-------------------------------------------------------------------------------
   22 Ethyl parathion                               CAS #: 56-38-2
14.365  14.358    0.007       110347853 2.69950    2.699
-------------------------------------------------------------------------------
   23 Stirophos                                     CAS #: 22248-79-9
14.854  14.858   -0.004        64182165 2.11218    2.112
-------------------------------------------------------------------------------
   24 Bolstar                                       CAS #: 35400-43-2
15.414  15.417   -0.003        73345632 2.05651    2.056
-------------------------------------------------------------------------------
$  25 Triphenyl phosphate                           CAS #: 115-86-6
16.607  16.610   -0.003        56961357 2.00102    2.001                        (R)
-------------------------------------------------------------------------------
   26 Fensulfothion                                 CAS #: 115-90-2
17.027  17.030   -0.003       185667006 2.28319    2.283
-------------------------------------------------------------------------------
   27 EPN                                           CAS #: 2104-64-5
17.664  17.665   -0.001        59906425 1.98235    1.982
-------------------------------------------------------------------------------
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330145.d
Report Date: 22-Mar-2013 12:37

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
28 Famphur					CAS #: 52-85-7		
17.854	17.855	-0.001	86107287	2.23062	2.231		
29 Azinphos-methyl					CAS #: 86-50-0		
18.109	18.113	-0.004	68002752	2.36472	2.365		
30 Coumaphos					CAS #: 56-72-4		
20.181	20.182	-0.001	58574867	2.16535	2.165		

QC Flag Legend

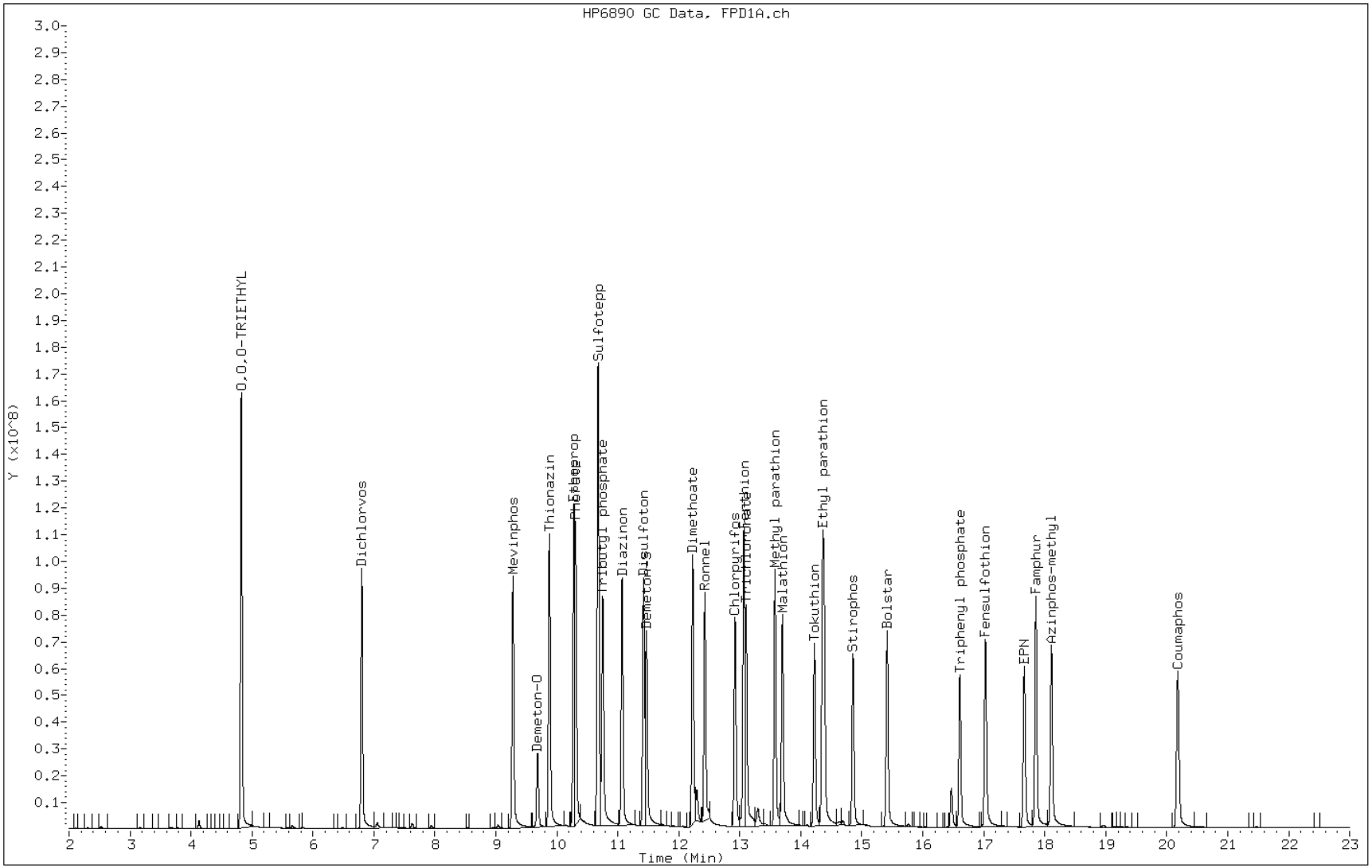
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: aj0330145.d

Date: 22-MAR-2013 12:07

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66996/2-A
Matrix: Water
Lab File ID: bj0330145.d
Analysis Method: 8141A
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 12:07
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-38-2	Parathion	10.3		1.0	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	96		45-145
126-73-8	Tributyl phosphate	108		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330145.d
Report Date: 22-Mar-2013 12:38

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\bj0330145.d
Lab Smp Id: lcs 180-66996/2-a
Inj Date : 22-MAR-2013 12:07
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : lcs 180-66996/2-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppb1.m
Meth Date : 22-Mar-2013 11:31 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: bj0230096.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 O,O,O-TRIETHYL					CAS #: 126-68-1		
4.931	4.934	-0.003	152111488	1.80606	1.806		
2 Dichlorvos					CAS #: 62-73-7		
6.132	6.134	-0.002	82896159	1.83248	1.832		
3 Mevinphos					CAS #: 7786-34-7		
8.371	8.375	-0.004	144948541	2.22036	2.220		
5 Demeton, Total					CAS #: 8065-48-3		
10.224	10.227	-0.003	25341947	2.12315	2.123	0.00- 0.00	0.00
11.516	11.521	-0.005	64214608	1.99768	1.998	0.00- 0.00	0.00
Average of Peak Concentrations =					2.060		
4 Demeton-O					CAS #: 298-03-3		
10.224	10.227	-0.003	25341947	2.12315	2.123		
6 Thionazin					CAS #: 297-97-2		
10.315	10.318	-0.003	100747168	2.00780	2.008		
$ 7 Tributyl phosphate					CAS #: 126-73-8		
10.364	10.368	-0.004	79548825	2.15672	2.157		(R)
8 Ethoprop					CAS #: 13194-48-4		
10.492	10.496	-0.004	103041865	1.98875	1.989		
9 Sulfotepp					CAS #: 3689-24-5		
11.064	11.067	-0.003	162286096	1.96412	1.964		

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330145.d
Report Date: 22-Mar-2013 12:38

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

   10 Phorate                                     CAS #: 298-02-2
11.109  11.111   -0.002        95012190 1.84308    1.843
-------------------------------------------------------------------------------
   11 Demeton-S                                   CAS #: 126-75-0
11.516  11.521   -0.005        64214608 1.99768    1.998
-------------------------------------------------------------------------------
   12 Dimethoate                                  CAS #: 60-51-5
11.879  11.884   -0.005       210036228 2.62055    2.620
-------------------------------------------------------------------------------
   13 Diazinon                                    CAS #: 333-41-5
12.085  12.087   -0.002        86819811 1.98188    1.982
-------------------------------------------------------------------------------
   14 Disulfoton                                  CAS #: 298-04-4
12.249  12.252   -0.003        87370561 1.92866    1.929
-------------------------------------------------------------------------------
   15 Methyl parathion                            CAS #: 298-00-0
13.247  13.251   -0.004        87565498 1.99730    1.997
-------------------------------------------------------------------------------
   16 Ronnel                                      CAS #: 299-84-3
13.292  13.295   -0.003        84505862 2.07071    2.071
-------------------------------------------------------------------------------
   17 Malathion                                   CAS #: 121-75-5
13.841  13.843   -0.002        70412824 2.01602    2.016
-------------------------------------------------------------------------------
   18 Chlorpyrifos                                CAS #: 2921-88-2
13.929  13.930   -0.001        74352822 1.95455    1.954
-------------------------------------------------------------------------------
   20 Ethyl parathion                             CAS #: 56-38-2
14.023  14.023    0.000       148463080 2.06505    2.065                       (M)
-------------------------------------------------------------------------------
   19 Trichloronate                               CAS #: 327-98-0
14.023  14.023    0.000       148463080 2.06505    2.065                       (M)
-------------------------------------------------------------------------------
   21 Fenthion                                    CAS #: 55-38-9
14.042  14.058   -0.016       114898254 2.46449    2.464                       (M)
-------------------------------------------------------------------------------
   22 Stirophos                                   CAS #: 22248-79-9
15.274  15.278   -0.004        56852740 2.08129    2.081
-------------------------------------------------------------------------------
   23 Tokuthion                                   CAS #: 34643-46-4
15.409  15.412   -0.003        63589797 1.86943    1.869
-------------------------------------------------------------------------------
   24 Fensulfothion                               CAS #: 115-90-2
16.536  16.541   -0.005       149595331 2.27890    2.279
-------------------------------------------------------------------------------
   25 Bolstar                                     CAS #: 35400-43-2
16.681  16.683   -0.002        67281097 1.98456    1.984
-------------------------------------------------------------------------------
   26 Famphur                                     CAS #: 52-85-7
17.074  17.076   -0.002        79607843 2.18029    2.180
-------------------------------------------------------------------------------
$  27 Triphenyl phosphate                         CAS #: 115-86-6
17.507  17.509   -0.002        47545611 1.92676    1.927                       (R)
-------------------------------------------------------------------------------
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330145.d
Report Date: 22-Mar-2013 12:38

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
28 EPN					CAS #: 2104-64-5		
18.004	18.006	-0.002	51138149	1.85502	1.855		
29 Azinphos-methyl					CAS #: 86-50-0		
18.890	18.893	-0.003	57615319	2.30971	2.310		
30 Coumaphos					CAS #: 56-72-4		
19.866	19.867	-0.001	54005127	2.04199	2.042		

QC Flag Legend

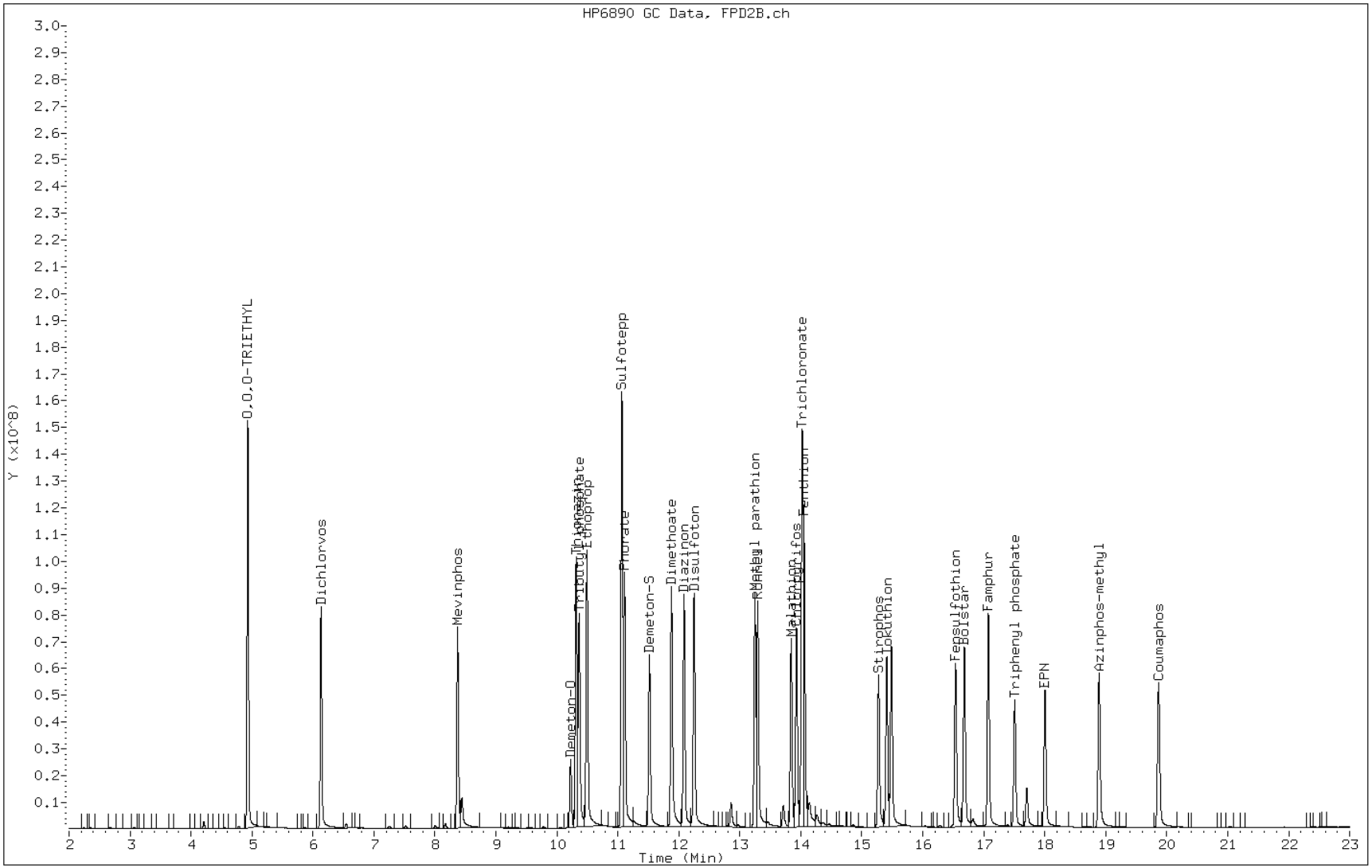
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: bj0330145.d

Date: 22-MAR-2013 12:07

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



Manual Integration Report

Data File: bj0330145.d
Inj. Date and Time: 22-MAR-2013 12:07
Instrument ID: gc5.i
Client ID:
Compound: 20 Ethyl parathion
CAS #: 56-38-2
Report Date: 03/22/2013

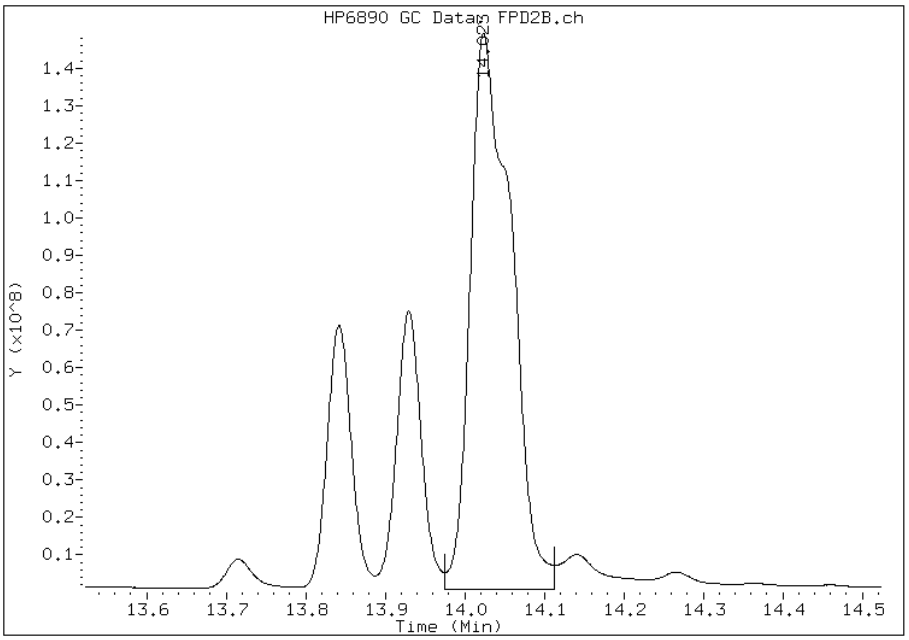
Processing Integration Results

RT: 14.02

Response: 148463093

Amount: 2.07

Conc: 2.07



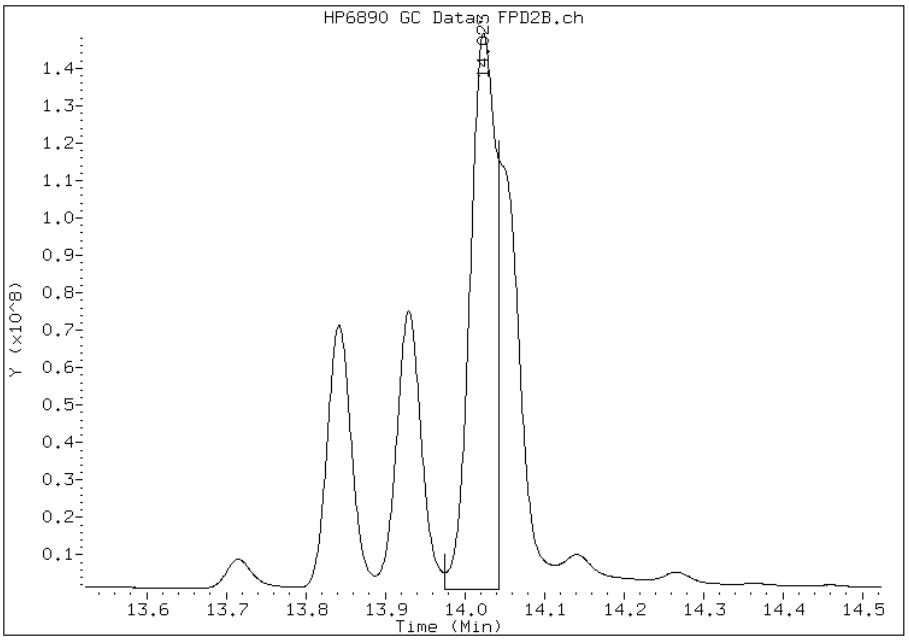
Manual Integration Results

RT: 14.02

Response: 148463080

Amount: 2.07

Conc: 2.07



Manually Integrated By: eppinged
Modification Date: 22-Mar-2013 12:37
Manual Integration Reason: Peak Split

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66996/3-A
Matrix: Water
Lab File ID: aj0330146.d
Analysis Method: 8141A
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 12:36
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-50-0	Guthion	11.7		1.0	0.11
2921-88-2	Chlorpyrifos	10.3		1.0	0.10
8065-48-3	Demeton, Total	21.9		2.0	0.16
298-03-3	Demeton-O	11.2		1.0	0.094
126-75-0	Demeton-S	10.7		1.0	0.071
121-75-5	Malathion	10.6		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	97		45-145
126-73-8	Tributyl phosphate	107		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330146.d
Report Date: 22-Mar-2013 13:04

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\aj0330146.d
Lab Smp Id: lcsd 180-66996/3-a
Inj Date : 22-MAR-2013 12:36
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : lcsd 180-66996/3-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppa1.m
Meth Date : 22-Mar-2013 11:29 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: aj0230096.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 O,O,O-TRIETHYL					CAS #: 126-68-1		
4.825	4.827	-0.002	163686513	1.91728	1.917		
2 Dichlorvos					CAS #: 62-73-7		
6.799	6.803	-0.004	98614730	1.87387	1.874		
3 Mevinphos					CAS #: 7786-34-7		
9.279	9.283	-0.004	227207179	2.21607	2.216		
5 Demeton, Total					CAS #: 8065-48-3		
9.682	9.685	-0.003	28024703	2.24875	2.249	0.00- 0.00	0.00
11.467	11.473	-0.006	73248914	2.14423	2.144	0.00- 0.00	0.00
Average of Peak Concentrations =					2.196		
4 Demeton-O					CAS #: 298-03-3		
9.682	9.685	-0.003	28024703	2.24875	2.249		
6 Thionazin					CAS #: 297-97-2		
9.876	9.879	-0.003	110399446	2.10775	2.108		
7 Ethoprop					CAS #: 13194-48-4		
10.279	10.279	0.000	122567642	2.25226	2.252		
8 Phorate					CAS #: 298-02-2		
10.302	10.309	-0.007	115820548	2.31285	2.313		
9 Sulfotepp					CAS #: 3689-24-5		
10.676	10.677	-0.001	174969735	2.07308	2.073		

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330146.d
Report Date: 22-Mar-2013 13:04

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

$  10 Tributyl phosphate                            CAS #: 126-73-8
10.751  10.754   -0.003        85067802 2.13790    2.138                        (R)
-------------------------------------------------------------------------------
   11 Diazinon                                      CAS #: 333-41-5
11.069  11.071   -0.002        93810450 2.07530    2.075
-------------------------------------------------------------------------------
   12 Disulfoton                                    CAS #: 298-04-4
11.420  11.423   -0.003        92349829 1.96705    1.967
-------------------------------------------------------------------------------
   13 Demeton-S                                     CAS #: 126-75-0
11.467  11.473   -0.006        73248914 2.14423    2.144
-------------------------------------------------------------------------------
   14 Dimethoate                                    CAS #: 60-51-5
12.227  12.230   -0.003       231771220 2.58689    2.587
-------------------------------------------------------------------------------
   15 Ronnel                                        CAS #: 299-84-3
12.427  12.429   -0.002        87954888 2.04056    2.040
-------------------------------------------------------------------------------
   16 Chlorpyrifos                                  CAS #: 2921-88-2
12.922  12.924   -0.002        79678500 2.05955    2.060
-------------------------------------------------------------------------------
   17 Fenthion                                      CAS #: 55-38-9
13.067  13.068   -0.001       110068435 2.26714    2.267
-------------------------------------------------------------------------------
   18 Trichloronate                                 CAS #: 327-98-0
13.100  13.105   -0.005        84684558 2.16316    2.163
-------------------------------------------------------------------------------
   19 Methyl parathion                              CAS #: 298-00-0
13.575  13.580   -0.005        98584287 2.12189    2.122
-------------------------------------------------------------------------------
   20 Malathion                                     CAS #: 121-75-5
13.698  13.699   -0.001        78809080 2.12278    2.123
-------------------------------------------------------------------------------
   21 Tokuthion                                     CAS #: 34643-46-4
14.223  14.226   -0.003        68701734 1.91996    1.920
-------------------------------------------------------------------------------
   22 Ethyl parathion                               CAS #: 56-38-2
14.367  14.358    0.009       111254755 2.72169    2.722
-------------------------------------------------------------------------------
   23 Stirophos                                     CAS #: 22248-79-9
14.855  14.858   -0.003        64145123 2.11097    2.111
-------------------------------------------------------------------------------
   24 Bolstar                                       CAS #: 35400-43-2
15.415  15.417   -0.002        74222442 2.08110    2.081
-------------------------------------------------------------------------------
$  25 Triphenyl phosphate                           CAS #: 115-86-6
16.607  16.610   -0.003        55384797 1.94564    1.946                        (R)
-------------------------------------------------------------------------------
   26 Fensulfothion                                 CAS #: 115-90-2
17.027  17.030   -0.003       184996223 2.27494    2.275
-------------------------------------------------------------------------------
   27 EPN                                           CAS #: 2104-64-5
17.663  17.665   -0.002        60886557 2.01479    2.015
-------------------------------------------------------------------------------
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330146.d
Report Date: 22-Mar-2013 13:04

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
28 Famphur					CAS #: 52-85-7		
17.854	17.855	-0.001	86768877	2.24776	2.248		
29 Azinphos-methyl					CAS #: 86-50-0		
18.108	18.113	-0.005	67272036	2.33931	2.339		
30 Coumaphos					CAS #: 56-72-4		
20.180	20.182	-0.002	57626237	2.13029	2.130		

QC Flag Legend

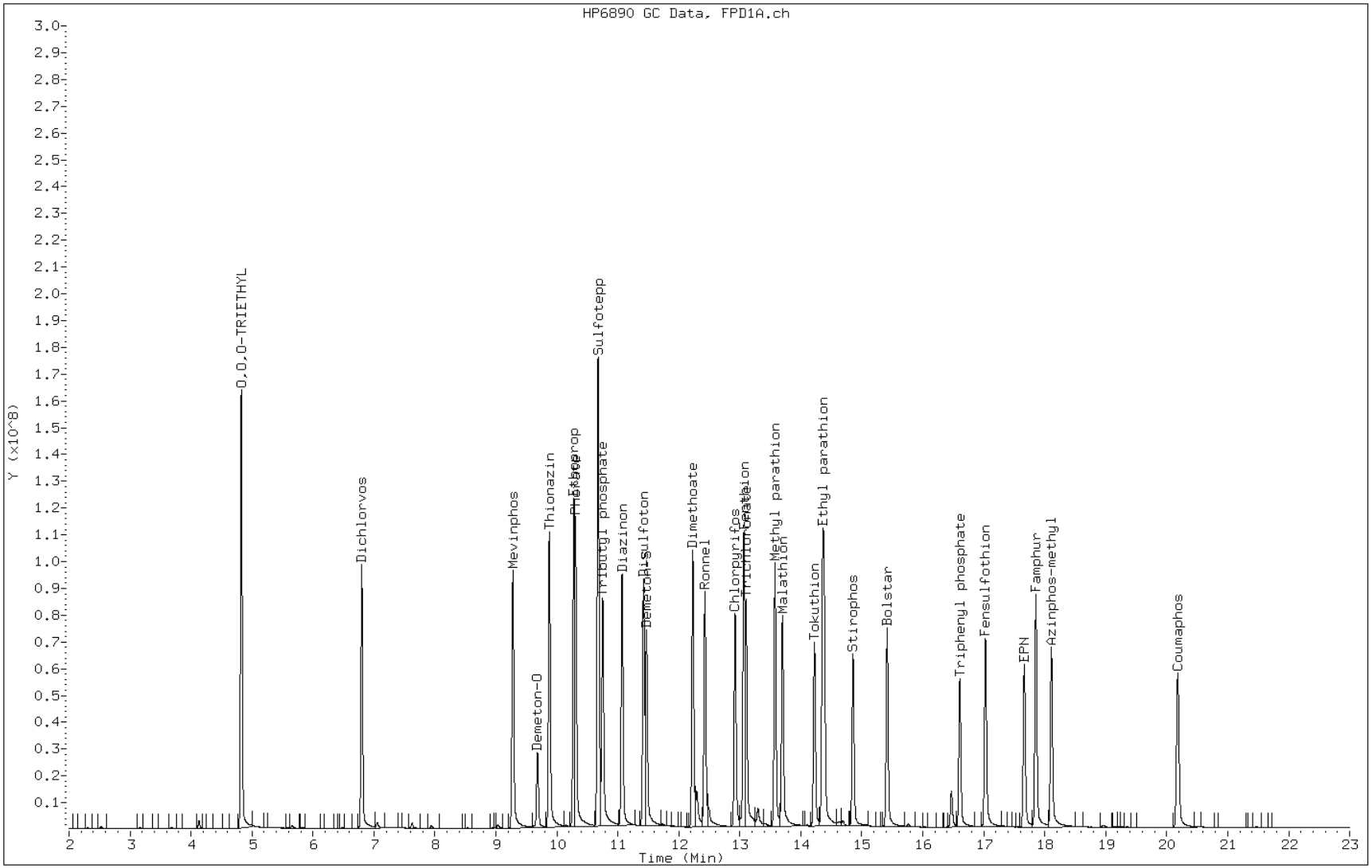
R - Spike/Surrogate failed recovery limits.

Data File: aj0330146.d

Date: 22-MAR-2013 12:36

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66996/3-A
Matrix: Water
Lab File ID: bj0330146.d
Analysis Method: 8141A
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 12:36
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-38-2	Parathion	10.5		1.0	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	94		45-145
126-73-8	Tributyl phosphate	108		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330146.d
Report Date: 22-Mar-2013 13:05

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\bj0330146.d
Lab Smp Id: lcsd 180-66996/3-a
Inj Date : 22-MAR-2013 12:36
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : lcsd 180-66996/3-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppb1.m
Meth Date : 22-Mar-2013 11:31 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: bj0230096.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 O,O,O-TRIETHYL					CAS #: 126-68-1		
4.931	4.934	-0.003	155268105	1.84354	1.844		
2 Dichlorvos					CAS #: 62-73-7		
6.131	6.134	-0.003	84381727	1.86532	1.865		
3 Mevinphos					CAS #: 7786-34-7		
8.371	8.375	-0.004	148257865	2.27105	2.271		
5 Demeton, Total					CAS #: 8065-48-3		
10.225	10.227	-0.002	25923875	2.17158	2.172	0.00- 0.00	0.00
11.517	11.521	-0.004	64845089	2.01610	2.016	0.00- 0.00	0.00
Average of Peak Concentrations =					2.094		
4 Demeton-O					CAS #: 298-03-3		
10.225	10.227	-0.002	25923875	2.17158	2.172		
6 Thionazin					CAS #: 297-97-2		
10.316	10.318	-0.002	102024902	2.03327	2.033		
$ 7 Tributyl phosphate					CAS #: 126-73-8		
10.363	10.368	-0.005	79483017	2.15494	2.155		(R)
8 Ethoprop					CAS #: 13194-48-4		
10.492	10.496	-0.004	104375864	2.01450	2.014		
9 Sulfotepp					CAS #: 3689-24-5		
11.065	11.067	-0.002	165471539	2.00267	2.003		

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330146.d
Report Date: 22-Mar-2013 13:05

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

   10 Phorate                                     CAS #: 298-02-2
11.109  11.111   -0.002        96341077 1.86886    1.869
-------------------------------------------------------------------------------
   11 Demeton-S                                   CAS #: 126-75-0
11.517  11.521   -0.004        64845089 2.01610    2.016
-------------------------------------------------------------------------------
   12 Dimethoate                                  CAS #: 60-51-5
11.879  11.884   -0.005       212506441 2.65137    2.651
-------------------------------------------------------------------------------
   13 Diazinon                                    CAS #: 333-41-5
12.085  12.087   -0.002        87365781 1.99435    1.994
-------------------------------------------------------------------------------
   14 Disulfoton                                  CAS #: 298-04-4
12.251  12.252   -0.001        88075521 1.94422    1.944
-------------------------------------------------------------------------------
   15 Methyl parathion                            CAS #: 298-00-0
13.247  13.251   -0.004        89802144 2.04831    2.048
-------------------------------------------------------------------------------
   16 Ronnel                                      CAS #: 299-84-3
13.293  13.295   -0.002        84994114 2.08267    2.083
-------------------------------------------------------------------------------
   17 Malathion                                   CAS #: 121-75-5
13.842  13.843   -0.001        71999676 2.06146    2.061
-------------------------------------------------------------------------------
   18 Chlorpyrifos                                CAS #: 2921-88-2
13.930  13.930    0.000        74934184 1.96983    1.970
-------------------------------------------------------------------------------
   20 Ethyl parathion                             CAS #: 56-38-2
14.023  14.023    0.000       150986878 2.10016    2.100                       (M)
-------------------------------------------------------------------------------
   19 Trichloronate                               CAS #: 327-98-0
14.023  14.023    0.000       150986878 2.10016    2.100                       (M)
-------------------------------------------------------------------------------
   21 Fenthion                                    CAS #: 55-38-9
14.043  14.058   -0.015       114882354 2.46414    2.464                       (M)
-------------------------------------------------------------------------------
   22 Stirophos                                   CAS #: 22248-79-9
15.275  15.278   -0.003        56801278 2.07941    2.079
-------------------------------------------------------------------------------
   23 Tokuthion                                   CAS #: 34643-46-4
15.409  15.412   -0.003        64536849 1.89727    1.897
-------------------------------------------------------------------------------
   24 Fensulfothion                               CAS #: 115-90-2
16.537  16.541   -0.004       149848455 2.28276    2.283
-------------------------------------------------------------------------------
   25 Bolstar                                     CAS #: 35400-43-2
16.682  16.683   -0.001        67672585 1.99611    1.996
-------------------------------------------------------------------------------
   26 Famphur                                     CAS #: 52-85-7
17.075  17.076   -0.001        79548372 2.17866    2.179
-------------------------------------------------------------------------------
$  27 Triphenyl phosphate                         CAS #: 115-86-6
17.507  17.509   -0.002        46619820 1.88924    1.889                       (R)
-------------------------------------------------------------------------------
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330146.d
Report Date: 22-Mar-2013 13:05

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
28 EPN					CAS #: 2104-64-5		
18.004	18.006	-0.002	51839270	1.88045	1.880		
29 Azinphos-methyl					CAS #: 86-50-0		
18.890	18.893	-0.003	57568598	2.30784	2.308		
30 Coumaphos					CAS #: 56-72-4		
19.866	19.867	-0.001	53952154	2.03999	2.040		

QC Flag Legend

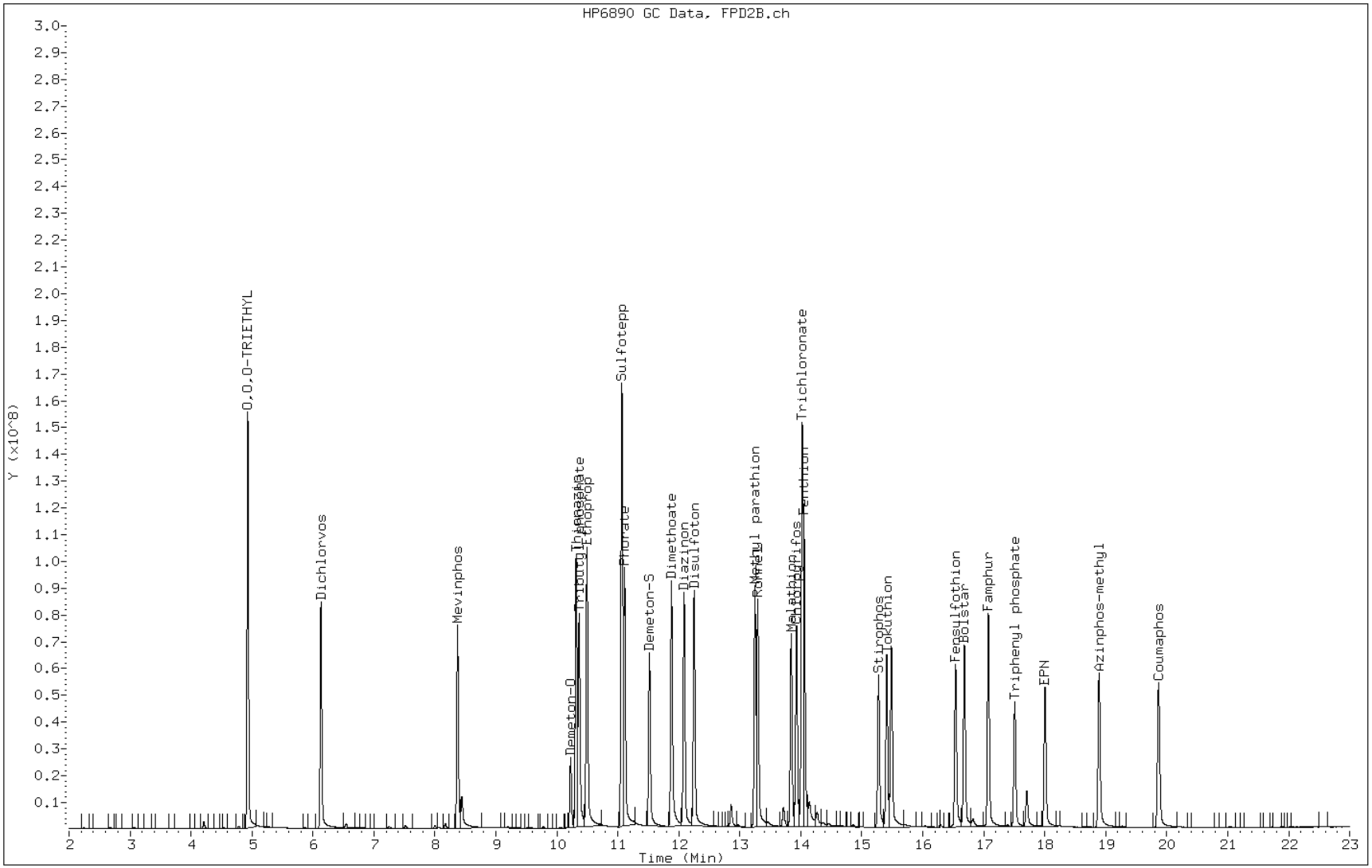
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: bj0330146.d

Date: 22-MAR-2013 12:36

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



Manual Integration Report

Data File: bj0330146.d
Inj. Date and Time: 22-MAR-2013 12:36
Instrument ID: gc5.i
Client ID:
Compound: 20 Ethyl parathion
CAS #: 56-38-2
Report Date: 03/22/2013

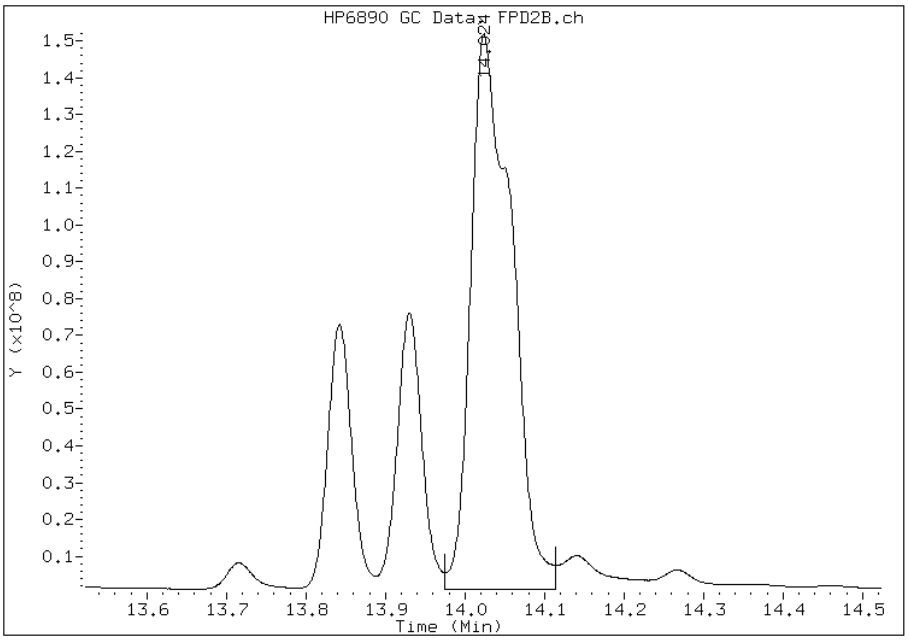
Processing Integration Results

RT: 14.02

Response: 150986865

Amount: 2.10

Conc: 2.10



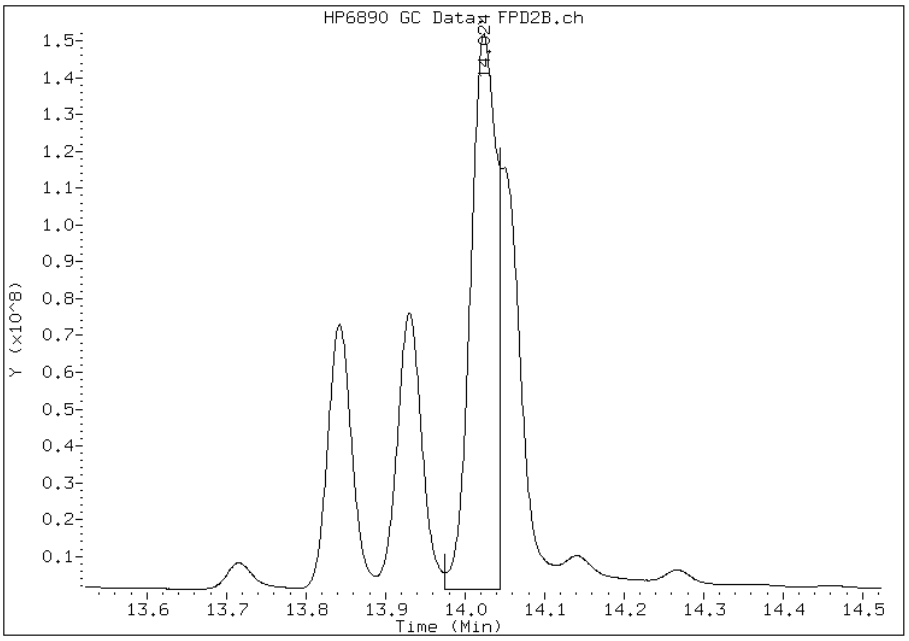
Manual Integration Results

RT: 14.02

Response: 150986878

Amount: 2.10

Conc: 2.10



Manually Integrated By: eppinged
Modification Date: 22-Mar-2013 13:05
Manual Integration Reason: Peak Split

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC5 Start Date: 02/21/2013 12:41

Analysis Batch Number: 64558 End Date: 02/21/2013 22:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-64558/1		02/21/2013 12:41	1	aj0230087.d	RTX-OPP1 0.53(mm)
IC 180-64558/1		02/21/2013 12:41	1	bj0230087.d	RTX-OPP2 0.53(mm)
IC 180-64558/2		02/21/2013 13:09	1	aj0230088.d	RTX-OPP1 0.53(mm)
IC 180-64558/2		02/21/2013 13:09	1	bj0230088.d	RTX-OPP2 0.53(mm)
ICRT 180-64558/3		02/21/2013 13:38	1	aj0230089.d	RTX-OPP1 0.53(mm)
ICRT 180-64558/3		02/21/2013 13:38	1	bj0230089.d	RTX-OPP2 0.53(mm)
IC 180-64558/4		02/21/2013 14:06	1	aj0230090.d	RTX-OPP1 0.53(mm)
IC 180-64558/4		02/21/2013 14:06	1	bj0230090.d	RTX-OPP2 0.53(mm)
IC 180-64558/5		02/21/2013 14:35	1	aj0230091.d	RTX-OPP1 0.53(mm)
IC 180-64558/5		02/21/2013 14:35	1	bj0230091.d	RTX-OPP2 0.53(mm)
IC 180-64558/6		02/21/2013 15:03	1	aj0230092.d	RTX-OPP1 0.53(mm)
IC 180-64558/6		02/21/2013 15:03	1	bj0230092.d	RTX-OPP2 0.53(mm)
IC 180-64558/7		02/21/2013 15:32	1	aj0230093.d	RTX-OPP1 0.53(mm)
IC 180-64558/7		02/21/2013 15:32	1	bj0230093.d	RTX-OPP2 0.53(mm)
IC 180-64558/8		02/21/2013 16:00	1	aj0230094.d	RTX-OPP1 0.53(mm)
IC 180-64558/8		02/21/2013 16:00	1	bj0230094.d	RTX-OPP2 0.53(mm)
IC 180-64558/18		02/21/2013 16:29	1	aj0230095.d	RTX-OPP1 0.53(mm)
IC 180-64558/18		02/21/2013 16:29	1	bj0230095.d	RTX-OPP2 0.53(mm)
IC 180-64558/9		02/21/2013 16:57	1	aj0230096.d	RTX-OPP1 0.53(mm)
IC 180-64558/9		02/21/2013 16:57	1	bj0230096.d	RTX-OPP2 0.53(mm)
ICV 180-64558/10		02/21/2013 17:26	1		RTX-OPP1 0.53(mm)
ICV 180-64558/10		02/21/2013 17:26	1		RTX-OPP2 0.53(mm)
ICV 180-64558/11		02/21/2013 17:54	1		RTX-OPP1 0.53(mm)
ICV 180-64558/11		02/21/2013 17:54	1		RTX-OPP2 0.53(mm)
ZZZZZ		02/21/2013 18:23	1		RTX-OPP1 0.53(mm)
ZZZZZ		02/21/2013 18:23	1		RTX-OPP2 0.53(mm)
ZZZZZ		02/21/2013 18:51	1		RTX-OPP1 0.53(mm)
ZZZZZ		02/21/2013 18:51	1		RTX-OPP2 0.53(mm)
ZZZZZ		02/21/2013 19:20	1		RTX-OPP1 0.53(mm)
ZZZZZ		02/21/2013 19:20	1		RTX-OPP2 0.53(mm)
ZZZZZ		02/21/2013 19:48	1		RTX-OPP1 0.53(mm)
ZZZZZ		02/21/2013 19:48	1		RTX-OPP2 0.53(mm)
CCV 180-64558/16		02/21/2013 22:10	1		RTX-OPP1 0.53(mm)
CCV 180-64558/16		02/21/2013 22:10	1		RTX-OPP2 0.53(mm)
CCV 180-64558/17		02/21/2013 22:38	1		RTX-OPP1 0.53(mm)
CCV 180-64558/17		02/21/2013 22:38	1		RTX-OPP2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC5 Start Date: 03/22/2013 10:13

Analysis Batch Number: 67073 End Date: 03/22/2013 13:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 180-67073/1		03/22/2013 10:13	1	aj0330141.d	RTX-OPP1 0.53(mm)
CCVRT 180-67073/1		03/22/2013 10:13	1	bj0330141.d	RTX-OPP2 0.53(mm)
CCV 180-67073/2		03/22/2013 10:42	1	aj0330142.d	RTX-OPP1 0.53(mm)
CCV 180-67073/2		03/22/2013 10:42	1	bj0330142.d	RTX-OPP2 0.53(mm)
460-52642-1	INFLUENT	03/22/2013 11:10	1	aj0330143.d	RTX-OPP1 0.53(mm)
460-52642-1	INFLUENT	03/22/2013 11:10	1	bj0330143.d	RTX-OPP2 0.53(mm)
MB 180-66996/1-A		03/22/2013 11:39	1	aj0330144.d	RTX-OPP1 0.53(mm)
MB 180-66996/1-A		03/22/2013 11:39	1	bj0330144.d	RTX-OPP2 0.53(mm)
LCS 180-66996/2-A		03/22/2013 12:07	1	aj0330145.d	RTX-OPP1 0.53(mm)
LCS 180-66996/2-A		03/22/2013 12:07	1	bj0330145.d	RTX-OPP2 0.53(mm)
LCSD 180-66996/3-A		03/22/2013 12:36	1	aj0330146.d	RTX-OPP1 0.53(mm)
LCSD 180-66996/3-A		03/22/2013 12:36	1	bj0330146.d	RTX-OPP2 0.53(mm)
CCV 180-67073/7		03/22/2013 13:04	1	aj0330147.d	RTX-OPP1 0.53(mm)
CCV 180-67073/7		03/22/2013 13:04	1	bj0330147.d	RTX-OPP2 0.53(mm)
CCV 180-67073/8		03/22/2013 13:33	1	aj0330148.d	RTX-OPP1 0.53(mm)
CCV 180-67073/8		03/22/2013 13:33	1	bj0330148.d	RTX-OPP2 0.53(mm)

8141A

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Batch Number: 66996 Batch Start Date: 03/21/13 13:30 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	OP8141MATRIXS 00014	OP8141SURRSPK 00005	
MB 180-66996/1		3510C, 8141A		6	1000 mL	5.0 mL		0.2 mL	
LCS 180-66996/2		3510C, 8141A		6	1000 mL	5.0 mL	0.5 mL	0.2 mL	
LCSD 180-66996/3		3510C, 8141A		6	1000 mL	5.0 mL	0.5 mL	0.2 mL	
460-52642-G-1	INFLUENT	3510C, 8141A	T	6	980 mL	5.0 mL		0.2 mL	

Batch Notes	
Exchange Solvent Lot #	742343
Exchange Solvent Name	Hexane
Final Concentrator Volume	5.0 mL
N-evap #	1
N-evap temperature	21 Degrees C
Na2SO4 Lot Number	763631
Oven, Bath or Block Temperature 1	79
Prep Solvent Lot #	770348
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	180 mL
Person's name who did the prep	CBY
Sufficient volume for MS/MSD?	no
Uncorrected N-evap Temperature	21 Degrees C
Uncorrected Temperature	79 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG No.:

Project: IR-Phillipsburg

Client Sample ID	Lab Sample ID
INFLUENT	460-52642-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2013 06:30
Reporting Basis: WET
Date Received: 03/20/2013 14:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	0.20	0.16	ug/L			1	245.1

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2013 06:30
Reporting Basis: WET
Date Received: 03/20/2013 14:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	2.5	1.8	ug/L			5	200.8
7440-38-2	Arsenic	ND	2.5	1.8	ug/L			5	200.8
7440-41-7	Beryllium	ND	1.0	0.90	ug/L			5	200.8
7440-43-9	Cadmium	ND	2.5	1.9	ug/L			5	200.8
7440-47-3	Chromium	ND	5.0	4.0	ug/L			5	200.8
7440-50-8	Copper	ND	5.0	3.8	ug/L			5	200.8
7439-92-1	Lead	ND	1.5	1.2	ug/L			5	200.8
7440-02-0	Nickel	ND	5.0	4.1	ug/L			5	200.8
7782-49-2	Selenium	ND	2.5	1.9	ug/L			5	200.8
7440-22-4	Silver	ND	5.0	3.8	ug/L			5	200.8
7440-28-0	Thallium	ND	1.0	0.75	ug/L			5	200.8
7440-66-6	Zinc	ND	20	15	ug/L			5	200.8
7439-89-6	Iron	8400	150	130	ug/L			5	200.8

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

ICV Source: ME_IMS_ICV_00032 Concentration Units: ug/L

CCV Source: ME_imsCal3_00080

Analyte	ICV 460-152605/6 03/25/2013 03:11				CCV 460-152605/18 03/25/2013 03:55				CCV 460-152605/30 03/25/2013 04:38			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	39.4		40.0	99	49.0		50.0	98	48.3		50.0	97
Arsenic	41.3		40.0	103	49.3		50.0	99	48.8		50.0	98
Beryllium	39.8		40.0	99	48.8		50.0	98	47.8		50.0	96
Cadmium	39.5		40.0	99	48.0		50.0	96	48.4		50.0	97
Chromium	40.4		40.0	101	48.2		50.0	96	47.5		50.0	95
Copper	40.2		40.0	100	48.0		50.0	96	46.5		50.0	93
Iron	4100		4000	103	4840		5000	97	4780		5000	96
Lead	39.6		40.0	99	48.5		50.0	97	47.7		50.0	95
Nickel	39.8		40.0	100	47.0		50.0	94	46.1		50.0	92
Selenium	40.8		40.0	102	48.5		50.0	97	50.7		50.0	101
Silver	39.5		40.0	99	48.3		50.0	97	47.5		50.0	95
Thallium	8.06		8.00	101	9.78		10.0	98	9.71		10.0	97
Zinc	40.2		40.0	100	48.5		50.0	97	46.7		50.0	93

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

ICV Source: ME_DQCS-INT_00858 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00858

Analyte	ICV 460-152172/7-A 03/21/2013 20:14				CCV 460-152172/8-A 03/21/2013 20:37				CCV 460-152172/8-A 03/21/2013 21:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.99		5.00	100	5.11		5.00	102	5.16		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

ICV Source: ME_DQCS-INT_00858 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00858

Analyte	CCV 460-152172/8-A 03/21/2013 21:16											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.13		5.00	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Method: 200.8 Instrument ID: ICPMS2

Lab Sample ID: CRI 460-152605/8 Concentration Units: ug/L

CRQL Check Standard Source: ME_ICmsCal1_00083

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	0.500	0.519		104	50-150
Arsenic	0.500	0.492	J	98	50-150
Beryllium	0.200	0.207		104	50-150
Cadmium	0.500	0.399	J	80	50-150
Chromium	1.00	0.955	J	96	50-150
Copper	1.00	0.960	J	96	50-150
Lead	0.300	0.299	J	100	50-150
Nickel	1.00	1.10		110	50-150
Selenium	0.500	ND		60	50-150
Silver	1.00	1.01		101	50-150
Thallium	0.200	0.220		110	50-150
Zinc	4.00	4.03		101	50-150
Iron	30.0	33.9		113	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-152605/7 03/25/2013 03:15		CCB 460-152605/19 03/25/2013 03:58		CCB 460-152605/31 03/25/2013 04:42			
		Found	C	Found	C	Found	C	Found	C
Antimony	0.50	ND		ND		ND			
Arsenic	0.50	ND		ND		ND			
Beryllium	0.20	ND		ND		ND			
Cadmium	0.50	ND		ND		ND			
Chromium	1.0	ND		ND		ND			
Copper	1.0	ND		ND		ND			
Iron	30	ND		ND		ND			
Lead	0.30	ND		ND		ND			
Nickel	1.0	ND		ND		ND			
Selenium	0.50	ND		ND		ND			
Silver	1.0	ND		ND		ND			
Thallium	0.20	ND		ND		ND			
Zinc	4.0	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-152211/8 03/21/2013 20:15		CCB 460-152172/9-A 03/21/2013 20:39		CCB 460-152172/9-A 03/21/2013 21:03		CCB 460-152172/9-A 03/21/2013 21:18	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-152271/1-A ^5

Instrument Code: ICPMS2 Batch No.: 152605

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	ND			200.8
7440-38-2	Arsenic	ND			200.8
7440-41-7	Beryllium	ND			200.8
7440-43-9	Cadmium	ND			200.8
7440-47-3	Chromium	ND			200.8
7440-50-8	Copper	ND			200.8
7439-92-1	Lead	ND			200.8
7440-02-0	Nickel	ND			200.8
7782-49-2	Selenium	ND			200.8
7440-22-4	Silver	ND			200.8
7440-28-0	Thallium	ND			200.8
7440-66-6	Zinc	ND			200.8
7439-89-6	Iron	ND			200.8

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-152172/11-A

Instrument Code: LEEMAN5 Batch No.: 152211

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			245.1

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICSA 460-152605/9 Instrument ID: ICPMS2

Lab File ID: 011SMPL.D ICS Source: ME_ICSA_MS_00222

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**0.330**	
Arsenic		**0.146**	
Beryllium		**-0.0350**	
Cadmium		**0.977**	
Chromium		**1.24**	
Copper		**0.350**	
Iron	**125000**	**122260**	**98**
Lead		**0.198**	
Nickel		**0.845**	
Selenium		**0.160**	
Silver		**0.0760**	
Thallium		**0.0140**	
Zinc		**1.77**	
Aluminum	*50000*	*46002*	*92*
Barium		*0.124*	
Boron		*1.35*	
Calcium	*150000*	*143719*	*96*
Cobalt		*-0.0360*	
Magnesium	*50000*	*47403*	*95*
Manganese		*0.333*	
Molybdenum	*1000*	*1023*	*102*
Potassium	*50000*	*47184*	*94*
Sodium	*125000*	*120272*	*96*
Strontium		*0.539*	
Tin		*0.182*	
Titanium	*1000*	*1053*	*105*
Vanadium		*0.242*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICSAB 460-152605/10 Instrument ID: ICPMS2

Lab File ID: 012SMPL.D ICS Source: ME_ICSAB_MS_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony		**0.322**	
Arsenic	**100**	**102**	**102**
Beryllium		**-0.0030**	
Cadmium	**100**	**100**	**100**
Chromium	**200**	**197**	**98**
Copper	**200**	**187**	**93**
Iron	**125000**	**120393**	**96**
Lead		**0.188**	
Nickel	**200**	**189**	**95**
Selenium	**100**	**102**	**102**
Silver	**200**	**189**	**95**
Thallium		**0.0130**	
Zinc	**100**	**95.3**	**95**
Aluminum	*50000*	*45208*	*90*
Barium		*0.0890*	
Boron		*1.27*	
Calcium	*150000*	*140219*	*93*
Cobalt	*200*	*194*	*97*
Magnesium	*50000*	*46425*	*93*
Manganese	*200*	*197*	*98*
Molybdenum	*1000*	*1010*	*101*
Potassium	*50000*	*46542*	*93*
Sodium	*125000*	*118357*	*95*
Strontium		*0.501*	
Tin		*0.127*	
Titanium	*1000*	*1035*	*103*
Vanadium	*200*	*197*	*98*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: INFLUENT MS
Lab ID: 460-52642-1 MS
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	25.1		ND		25.0	101	70-130		200.8
Arsenic	50.0		ND		50.0	100	70-130		200.8
Beryllium	26.5		ND		25.0	106	70-130		200.8
Cadmium	24.9		ND		25.0	100	70-130		200.8
Chromium	47.7		ND		50.0	95	70-130		200.8
Copper	47.3		ND		50.0	95	70-130		200.8
Lead	25.1		ND		25.0	100	70-130		200.8
Nickel	46.2		ND		50.0	92	70-130		200.8
Selenium	47.0		ND		50.0	94	70-130		200.8
Silver	24.1		ND		25.0	96	70-130		200.8
Thallium	19.2		ND		20.0	96	70-130		200.8
Zinc	254		ND		250	102	70-130		200.8
Iron	11000		8400		2500	105	70-130		200.8

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-52706-H-2-D MS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	2.15		ND		2.00	108	70-130		245.1

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: _____ Lab ID: 460-52748-D-1-A PDS ^5

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	27.7		4.3		25.0	94	75-125		200.8
Arsenic	53.2		2.6		50.0	101	75-125		200.8
Beryllium	23.9		ND		25.0	96	75-125		200.8
Cadmium	24.1		ND		25.0	97	75-125		200.8
Chromium	49.5		ND		50.0	99	75-125		200.8
Copper	52.4		4.9	J	50.0	95	75-125		200.8
Lead	25.3		ND		25.0	101	75-125		200.8
Nickel	47.1		ND		50.0	94	75-125		200.8
Selenium	53.1		ND		50.0	106	75-125		200.8
Silver	22.7		ND		25.0	91	75-125		200.8
Thallium	19.8		ND		20.0	99	75-125		200.8
Zinc	242		ND		250	97	75-125		200.8
Iron	2790		ND		2500	112	75-125		200.8

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-52706-H-2-C DU

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	ND		ND		NC		245.1

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS - TOTAL RECOVERABLE

Client ID:
Lab ID: 460-52748-D-1-B DU ^5
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
% Solids for Sample:
% Solids for Duplicate:
Matrix: Water
Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony	2.5	4.3		4.44		4		200.8
Arsenic	2.5	2.6		2.04	J	23		200.8
Beryllium	1.0	ND		ND		NC		200.8
Cadmium	2.5	ND		ND		NC		200.8
Chromium	5.0	ND		ND		NC		200.8
Copper	5.0	4.9	J	5.31		8		200.8
Lead	1.5	ND		ND		NC		200.8
Nickel	5.0	ND		ND		NC		200.8
Selenium	2.5	ND		ND		NC		200.8
Silver	5.0	ND		ND		NC		200.8
Thallium	1.0	ND		ND		NC		200.8
Zinc	20	ND		ND		NC		200.8
Iron	150	ND		ND		NC		200.8

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 460-152271/2-A ^5

Lab Name: TestAmerica Edison Job No.: 460-52642-1

Sample Matrix: Water LCS Source: ME_ipmsSPK_00012

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	25.0	25.5		102	85	115		200.8
Arsenic	50.0	49.9		100	85	115		200.8
Beryllium	25.0	24.5		98	85	115		200.8
Cadmium	25.0	24.0		96	85	115		200.8
Chromium	50.0	49.6		99	85	115		200.8
Copper	50.0	48.9		98	85	115		200.8
Lead	25.0	25.7		103	85	115		200.8
Nickel	50.0	48.6		97	85	115		200.8
Selenium	50.0	50.6		101	85	115		200.8
Silver	25.0	24.7		99	85	115		200.8
Thallium	20.0	19.4		97	85	115		200.8
Zinc	250	251		100	85	115		200.8
Iron	2500	2780		111	85	115		200.8

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-152172/12-A

Lab Name: TestAmerica Edison Job No.: 460-52642-1

Sample Matrix: Water LCS Source: ME_DCAL-IN_01139

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	2.00	2.02		101	85	115		245.1

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TOTAL RECOVERABLE

Lab ID: 460-52748-D-1-A SD ^25

SDG No:

Lab Name: TestAmerica Edison Job No: 460-52642-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Antimony	4.3		ND		NC		200.8
Arsenic	2.6		ND		NC		200.8
Beryllium	ND		ND		NC		200.8
Cadmium	ND		ND		NC		200.8
Chromium	ND		ND		NC		200.8
Copper	4.9	J	ND		NC		200.8
Lead	ND		ND		NC		200.8
Nickel	ND		ND		NC		200.8
Selenium	ND		ND		NC		200.8
Silver	ND		ND		NC		200.8
Thallium	ND		ND		NC		200.8
Zinc	ND		ND		NC		200.8
Iron	ND		ND		NC		200.8

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-52706-H-2-B SD ^5

SDG No:

Lab Name: TestAmerica Edison Job No: 460-52642-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	ND		ND		NC		245.1

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: ICPMS2

Method: 200.8 MDL Date: 12/07/2011 13:56

Prep Method: 200.8

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Antimony		2.5	1.8
Arsenic		2.5	1.82
Beryllium		1	0.9
Cadmium		2.5	1.89
Chromium		5	3.99
Copper		5	3.75
Iron		150	129
Lead		1.5	1.18
Nickel		5	4.08
Selenium		2.5	1.86
Silver		5	3.84
Thallium		1	0.75
Zinc		20	15.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: ICPMS2

Method: 200.8 XMDL Date: 11/14/2011 12:53

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony		0.5	0.36
Arsenic		0.5	0.364
Beryllium		0.2	0.18
Cadmium		0.5	0.379
Chromium		1	0.798
Copper		1	0.751
Iron		30	25.9
Lead		0.3	0.236
Nickel		1	0.817
Selenium		0.5	0.372
Silver		1	0.769
Thallium		0.2	0.151
Zinc		4	3.075

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN5

Method: 245.1 MDL Date: 02/25/2013 09:36

Prep Method: 245.1

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.16

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN5

Method: 245.1 XMDL Date: 02/25/2013 09:37

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison Job No: 460-52642-1

SDG No.:

Instrument ID: ICPMS2 Date: 11/14/2012 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony		4000	200.8
Arsenic		4000	200.8
Beryllium		4000	200.8
Cadmium		4000	200.8
Chromium		4000	200.8
Copper		1000	200.8
Lead		4000	200.8
Nickel		1000	200.8
Selenium		4000	200.8
Silver		200	200.8
Thallium		800	200.8
Zinc		1000	200.8
Iron		400000	200.8

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Prep Method: 200.8

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-152271/1-A ^5	03/22/2013 10:07	152271		100	100
LCS 460-152271/2-A ^5	03/22/2013 10:07	152271		100	100
460-52748-D-1-B DU ^5	03/22/2013 10:07	152271		100	100
460-52642-1	03/22/2013 10:07	152271		100	100
460-52642-1 MS	03/22/2013 10:07	152271		100	100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Prep Method: 245.1

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-152172/11-A	03/21/2013 17:30	152172		30	30
LCS 460-152172/12-A	03/21/2013 17:30	152172		30	30
460-52706-H-2-C DU	03/21/2013 17:30	152172		30	30
460-52706-H-2-D MS	03/21/2013 17:30	152172		30	30
460-52642-1	03/21/2013 17:30	152172		30	30

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: ICPMS2 Method: 200.8

Start Date: 03/25/2013 02:53 End Date: 03/25/2013 09:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Be	Cd	Cr	Cu	Fe	Ni	Pb	Sb	Se	Tl	Zn							
ZZZZZZ			02:53																				
ZZZZZZ			02:57																				
ZZZZZZ			03:01																				
ZZZZZZ			03:04																				
ZZZZZZ			03:08																				
ICV 460-152605/6	1		03:11	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICB 460-152605/7	1		03:15	X	X	X	X	X	X	X	X	X	X	X	X	X							
CRI 460-152605/8	1		03:19	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICSA 460-152605/9	1		03:22	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICSAB 460-152605/10	1		03:26	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			03:29																				
ZZZZZZ			03:33																				
ZZZZZZ			03:37																				
ZZZZZZ			03:40																				
ZZZZZZ			03:44																				
ZZZZZZ			03:48																				
ZZZZZZ			03:51																				
CCV 460-152605/18	1		03:55	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCB 460-152605/19	1		03:58	X	X	X	X	X	X	X	X	X	X	X	X	X							
MB 460-152271/1-A ^5	5	R	04:02	X	X	X	X	X	X	X	X	X	X	X	X	X							
LCS 460-152271/2-A ^5	5	R	04:06	X	X	X	X	X	X	X	X	X	X	X	X	X							
460-52748-D-1-A PDS ^5	5	R	04:09	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			04:13																				
460-52748-D-1-B DU ^5	5	R	04:17	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			04:20																				
460-52748-D-1-A SD ^25	25	R	04:24	X	X	X	X	X	X	X	X	X	X	X	X	X							
460-52642-1	5	R	04:27	X	X	X	X	X	X	X	X	X	X	X	X	X							
460-52642-1 MS	5	R	04:31	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			04:35																				
CCV 460-152605/30	1		04:38	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCB 460-152605/31	1		04:42	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			04:46																				
ZZZZZZ			04:51																				
ZZZZZZ			04:55																				
ZZZZZZ			04:59																				
ZZZZZZ			05:02																				
ZZZZZZ			05:06																				
ZZZZZZ			05:09																				
ZZZZZZ			05:13																				
ZZZZZZ			05:17																				
ZZZZZZ			05:20																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: ICPMS2 Method: 200.8

Start Date: 03/25/2013 02:53 End Date: 03/25/2013 09:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Be	Cd	Cr	Cu	Fe	Ni	Pb	Sb	Se	Tl	Zn							
CCV 460-152605/42			05:24																				
CCB 460-152605/43			05:28																				
ZZZZZZ			05:31																				
ZZZZZZ			05:35																				
ZZZZZZ			05:39																				
ZZZZZZ			05:42																				
ZZZZZZ			05:46																				
ZZZZZZ			05:49																				
ZZZZZZ			05:53																				
ZZZZZZ			05:57																				
ZZZZZZ			06:00																				
ZZZZZZ			06:04																				
CCV 460-152605/54			06:07																				
CCB 460-152605/55			06:11																				
ZZZZZZ			06:15																				
ZZZZZZ			06:18																				
ZZZZZZ			06:22																				
ZZZZZZ			06:26																				
ZZZZZZ			06:29																				
ZZZZZZ			06:33																				
CCV 460-152605/62			06:37																				
CCB 460-152605/63			06:40																				
ZZZZZZ			06:44																				
ZZZZZZ			06:47																				
ZZZZZZ			06:51																				
ZZZZZZ			06:55																				
ZZZZZZ			06:58																				
ZZZZZZ			07:02																				
ZZZZZZ			07:06																				
ZZZZZZ			07:09																				
ZZZZZZ			07:13																				
CCV 460-152605/73			07:17																				
CCB 460-152605/74			07:20																				
ZZZZZZ			07:24																				
ZZZZZZ			07:28																				
ZZZZZZ			07:31																				
ZZZZZZ			07:35																				
ZZZZZZ			07:39																				
ZZZZZZ			07:42																				
ZZZZZZ			07:46																				
ZZZZZZ			07:50																				
ZZZZZZ			07:53																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: ICPMS2 Method: 200.8

Start Date: 03/25/2013 02:53 End Date: 03/25/2013 09:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Be	Cd	Cr	Cu	Fe	Ni	Pb	Sb	Se	Tl	Zn							
ZZZZZZ			07:57																				
CCV 460-152605/85			08:01																				
CCB 460-152605/86			08:04																				
ZZZZZZ			08:08																				
ZZZZZZ			08:11																				
ZZZZZZ			08:15																				
ZZZZZZ			08:19																				
ZZZZZZ			08:22																				
ZZZZZZ			08:26																				
ZZZZZZ			08:30																				
ZZZZZZ			08:33																				
ZZZZZZ			08:37																				
ZZZZZZ			08:40																				
CCV 460-152605/97			08:44																				
CCB 460-152605/98			08:48																				
ZZZZZZ			08:51																				
ZZZZZZ			08:55																				
ZZZZZZ			08:59																				
ZZZZZZ			09:02																				
ZZZZZZ			09:06																				
ZZZZZZ			09:09																				
ZZZZZZ			09:13																				
ZZZZZZ			09:16																				
ZZZZZZ			09:20																				
ZZZZZZ			09:24																				
CCV 460-152605/109			09:27																				
CCB 460-152605/110			09:31																				
ZZZZZZ			09:34																				
ZZZZZZ			09:38																				
ZZZZZZ			09:42																				
ZZZZZZ			09:45																				
ZZZZZZ			09:49																				
CCV 460-152605/116			09:53																				
CCB 460-152605/117			09:56																				

Prep Types

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: LEEMAN5 Method: 245.1

Start Date: 03/21/2013 20:02 End Date: 03/21/2013 22:38

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 460-152172/1-A			20:02	X																			
IC 460-152172/2-A			20:04	X																			
IC 460-152172/3-A			20:06	X																			
IC 460-152172/4-A			20:08	X																			
IC 460-152172/5-A			20:10	X																			
IC 460-152172/6-A			20:12	X																			
ICV 460-152172/7-A	1		20:14	X																			
ICB 460-152211/8	1		20:15	X																			
ZZZZZZ			20:17																				
MB 460-152172/11-A	1	T	20:20	X																			
LCS 460-152172/12-A	1	T	20:22	X																			
ZZZZZZ			20:24																				
460-52706-H-2-C DU	1	T	20:26	X																			
460-52706-H-2-D MS	1	T	20:28	X																			
ZZZZZZ			20:30																				
ZZZZZZ			20:32																				
ZZZZZZ			20:33																				
460-52642-1	1	T	20:35	X																			
CCV 460-152172/8-A	1		20:37	X																			
CCB 460-152172/9-A	1		20:39	X																			
ZZZZZZ			20:41																				
ZZZZZZ			20:43																				
ZZZZZZ			20:45																				
ZZZZZZ			20:47																				
ZZZZZZ			20:49																				
ZZZZZZ			20:52																				
ZZZZZZ			20:53																				
ZZZZZZ			20:55																				
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				
CCV 460-152172/8-A	1		21:01	X																			
CCB 460-152172/9-A	1		21:03	X																			
ZZZZZZ			21:05																				
ZZZZZZ			21:07																				
ZZZZZZ			21:09																				
ZZZZZZ			21:11																				
ZZZZZZ			21:13																				
460-52706-H-2-B SD ^5	5	T	21:14	X																			
CCV 460-152172/8-A	1		21:16	X																			
CCB 460-152172/9-A	1		21:18	X																			
ZZZZZZ			21:20																				
ZZZZZZ			21:22																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: LEEMAN5 Method: 245.1

Start Date: 03/21/2013 20:02 End Date: 03/21/2013 22:38

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			21:24																				
ZZZZZZ			21:26																				
ZZZZZZ			21:28																				
ZZZZZZ			21:30																				
ZZZZZZ			21:32																				
ZZZZZZ			21:34																				
ZZZZZZ			21:36																				
ZZZZZZ			21:38																				
CCV 460-152172/8-A			21:40																				
CCB 460-152172/9-A			21:42																				
ZZZZZZ			21:44																				
ZZZZZZ			21:46																				
ZZZZZZ			21:48																				
ZZZZZZ			21:49																				
ZZZZZZ			21:51																				
ZZZZZZ			21:53																				
ZZZZZZ			21:55																				
ZZZZZZ			21:57																				
ZZZZZZ			21:59																				
ZZZZZZ			22:01																				
CCV 460-152172/8-A			22:04																				
CCB 460-152172/9-A			22:06																				
ZZZZZZ			22:08																				
ZZZZZZ			22:10																				
ZZZZZZ			22:12																				
ZZZZZZ			22:14																				
ZZZZZZ			22:16																				
CCV 460-152172/8-A			22:18																				
CCB 460-152172/9-A			22:19																				
ZZZZZZ			22:21																				
ZZZZZZ			22:24																				
ZZZZZZ			22:26																				
ZZZZZZ			22:27																				
ZZZZZZ			22:30																				
ZZZZZZ			22:32																				
ZZZZZZ			22:34																				
CCV 460-152172/8-A			22:35																				
CCB 460-152172/9-A			22:38																				

Prep Types
T = Total/NA

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

ICP-MS Instrument ID: ICPMS2 Start Date: 03/25/2013 End Date: 03/25/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element In	Q	Element Tb	Q
ICV 460-152605/6	03:11	101		105		102		102		102	
ICB 460-152605/7	03:15	100		105		102		103		102	
CRI 460-152605/8	03:19	101		106		103		104		102	
ICSA 460-152605/9	03:22	99		103		100		98		100	
ICSAB 460-152605/10	03:26	103		105		102		99		103	
CCV 460-152605/18	03:55	105		110		108		107		107	
CCB 460-152605/19	03:58	107		112		107		108		107	
MB 460-152271/1-A	04:02	110		111		107		108		108	
LCS 460-152271/2-A	04:06	106		110		106		107		107	
460-52748-D-1-A PDS	04:09	106		109		107		107		106	
460-52748-D-1-B DU	04:17	106		110		109		107		106	
460-52748-D-1-A SD	04:24	108		114		111		111		109	
460-52642-1	04:27	107		112		109		107		108	
460-52642-1 MS	04:31	105		110		109		106		107	
CCV 460-152605/30	04:38	107		115		111		109		108	
CCB 460-152605/31	04:42	109		117		112		113		109	

FORM XV - IN

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

ICP-MS Instrument ID: ICPMS2 Start Date: 03/25/2013 End Date: 03/25/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ICV 460-152605/6	03:11	102									
ICB 460-152605/7	03:15	102									
CRI 460-152605/8	03:19	103									
ICSA 460-152605/9	03:22	95									
ICSAB 460-152605/10	03:26	97									
CCV 460-152605/18	03:55	106									
CCB 460-152605/19	03:58	108									
MB 460-152271/1-A	04:02	110									
LCS 460-152271/2-A	04:06	108									
460-52748-D-1-A PDS	04:09	104									
460-52748-D-1-B DU	04:17	105									
460-52748-D-1-A SD	04:24	110									
460-52642-1	04:27	107									
460-52642-1 MS	04:31	106									
CCV 460-152605/30	04:38	109									
CCB 460-152605/31	04:42	110									

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152271 Batch Start Date: 03/22/13 10:07 Batch Analyst: Yang, Qin

Batch Method: 200.8 Batch End Date: 03/22/13 13:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_ipmsSPK 00012			
MB 460-152271/1		200.8, 200.8		100 mL	100 mL				
LCS 460-152271/2		200.8, 200.8		100 mL	100 mL	0.5 mL			
460-52748-D-1 DU		200.8, 200.8	R	100 mL	100 mL				
460-52642-E-1	INFLUENT	200.8, 200.8	R	100 mL	100 mL				
460-52642-E-1 MS	INFLUENT	200.8, 200.8	R	100 mL	100 mL	0.5 mL			

Batch Notes	
Batch Comment	1:1 DHCL LOT MPR225, 1:1 HNO3 LOT MPR 224
Filter Paper Lot Number	09-790F
Lot # of hydrochloric acid	L14042
Hood ID or number	4
Hot Block ID number	3
Pipette ID	2
Temperature	uncorr 96 corr 95 Degrees C
ID number of the thermometer	ICP-3 (-1)
Digestion Tube/Cup Lot #	MH21KK06

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152172 Batch Start Date: 03/21/13 17:30 Batch Analyst: Staib, Thomas

Batch Method: 245.1 Batch End Date: 03/21/13 19:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 01139	ME_DQCS-INT 00858		
ICV 460-152172/7		245.1, 245.1		100 mL	100 mL		5 mL		
CCV 460-152172/8		245.1, 245.1		100 mL	100 mL		5 mL		
CCB 460-152172/9		245.1, 245.1		100 mL	100 mL				
MB 460-152172/11		245.1, 245.1		30 mL	30 mL				
LCS 460-152172/12		245.1, 245.1		30 mL	30 mL	0.6 mL			
460-52706-H-2 DU		245.1, 245.1	T	30 mL	30 mL				
460-52706-H-2 MS		245.1, 245.1	T	30 mL	30 mL	0.6 mL			
460-52642-E-1	INFLUENT	245.1, 245.1	T	30 mL	30 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01653
Sulfuric Acid Lot Number	0000020665
Lot # of hydrochloric acid	HgR01656
Lot # of Nitric Acid	L10022
Hood ID or number	#2
Hot Block ID number	#9
Potassium Persulfate Lot Number	HgR01662
Potassium Permanganate Lot Number	HgR01652
NaCL Lot #	HgR01653
Pipette ID	#25
Stannous Chloride Lot Number	HgR01657
Temperature	96 uncorr 95 corr Degrees C
ID number of the thermometer	Prep-1 (CF -1)
Digestion Tube/Cup Lot #	156179-264

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152172 Batch Start Date: 03/21/13 17:30 Batch Analyst: Staib, Thomas

Batch Method: 245.1 Batch End Date: 03/21/13 19:30

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG No.:

Project: IR-Phillipsburg

Client Sample ID	Lab Sample ID
INFLUENT	460-52642-1

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2013 06:30
Reporting Basis: WET
Date Received: 03/20/2013 14:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0040	mg/L			1	9012A
16887-00-6	Chloride	100	5.0	2.9	mg/L			1	SM 4500 Cl- E

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2013 06:30
Reporting Basis: WET
Date Received: 03/20/2013 14:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
64743-03-9	Phenols, Total	ND	0.050		mg/L		*	1	9065

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Analyst: JAK Batch Start Date: 03/21/2013

Reporting Units: mg/L Analytical Batch No.: 152069

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	CCV	10:15	Cyanide, Total	0.189	0.200	95	90-110		WTcnIM3_00959
9	CCB	10:17	Cyanide, Total	ND					
10	ICV	10:18	Cyanide, Total	0.189	0.200	95	90-110		WTcnIM3_00959
20	CCV	10:27	Cyanide, Total	0.192	0.200	96	90-110		WTcnIM3_00959
21	CCB	10:30	Cyanide, Total	ND					
32	CCV	10:39	Cyanide, Total	0.192	0.200	96	90-110		WTcnIM3_00959
33	CCB	10:42	Cyanide, Total	ND					
35	CCV	10:45	Cyanide, Total	0.193	0.200	97	90-110		WTcnIM3_00959
36	CCB	10:48	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Analyst: MB Batch Start Date: 03/14/2013

Reporting Units: mg/L Analytical Batch No.: 151092

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	07:23	Phenols, Total	0.953	1.00	95	90-110		WTphenSS1_00015
2	ICB	07:23	Phenols, Total	ND					
3	CCV	08:05	Phenols, Total	0.956	1.00	96	90-110		WTphenSS1_00015
4	CCB	08:05	Phenols, Total	ND					
15	CCV	08:08	Phenols, Total	0.961	1.00	96	90-110		WTphenSS1_00015
16	CCB	08:08	Phenols, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Analyst: MB Batch Start Date: 03/22/2013

Reporting Units: mg/L Analytical Batch No.: 152390

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:54	Phenols, Total	1.05	1.00	105	90-110		WTphenSS1_00015
2	ICB	17:54	Phenols, Total	ND					
3	CCV	18:19	Phenols, Total	1.02	1.00	102	90-110		WTphenSS1_00015
4	CCB	18:19	Phenols, Total	ND					
15	CCV	18:22	Phenols, Total	1.03	1.00	103	90-110		WTphenSS1_00015
16	CCB	18:22	Phenols, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Analyst: MB Batch Start Date: 03/25/2013

Reporting Units: mg/L Analytical Batch No.: 152658

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	12:31	Chloride	50.0	50.0	100	90-110		WTchlss1_00011
2	ICB	12:31	Chloride	ND					
3	CCV	12:53	Chloride	48.8	50.0	98	90-110		WTchlss1_00011
4	CCB	12:53	Chloride	ND					
15	CCV	12:54	Chloride	51.1	50.0	102	90-110		WTchlss1_00011
16	CCB	12:55	Chloride	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 152069	Date: 03/21/2013 10:31	Prep Batch: 152042	Date: 03/21/2013 09:00				
9012A	MB 460-152042/1-A	Cyanide, Total	ND		mg/L	0.010	1
Batch ID: 151092	Date: 03/14/2013 08:05	Prep Batch: 150908	Date: 03/13/2013 07:00				
9065	MB 460-150908/1-A	Phenols, Total	ND		mg/L	0.050	1
Batch ID: 152390	Date: 03/22/2013 18:19	Prep Batch: 152267	Date: 03/22/2013 07:00				
9065	MB 460-152267/1-A	Phenols, Total	ND		mg/L	0.050	1
Batch ID: 152658	Date: 03/25/2013 12:53						
SM 4500 Cl- E	MB 460-152658/5	Chloride	ND		mg/L	5.0	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 152069	Date: 03/21/2013 10:35		Prep Batch: 152042			Date: 03/21/2013 09:00					
9012A	460-52675-F-1 -B	Cyanide, Total	ND		mg/L						
9012A	460-52675-F-1 -B MS	Cyanide, Total	0.210		mg/L	0.200	105	90-110			
Batch ID: 151092	Date: 03/14/2013 08:05		Prep Batch: 150908			Date: 03/13/2013 07:00					
9065	460-52095-P-1 -A	Phenols, Total	ND		mg/L						
9065	460-52095-P-1 -A MS	Phenols, Total	0.411		mg/L	0.400	103	85-115			
Batch ID: 152658	Date: 03/25/2013 12:53										
SM 4500 Cl- E	460-52838-E-1	Chloride	55		mg/L						
SM 4500 Cl- E	460-52838-E-1 MS	Chloride	105		mg/L	50.0	100	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 152069	Date: 03/21/2013 10:36		Prep Batch: 152042			Date: 03/21/2013 09:00					
9012A	460-52675-F-1 -C MSD	Cyanide, Total	0.211		mg/L	0.200	106	90-110	0	10	
Batch ID: 151092	Date: 03/14/2013 08:05		Prep Batch: 150908			Date: 03/13/2013 07:00					
9065	460-52095-P-1 -B MSD	Phenols, Total	0.426		mg/L	0.400	106	85-115	4	16	
Batch ID: 152658	Date: 03/25/2013 12:53										
SM 4500 Cl- E	460-52838-E-1 MSD	Chloride	105		mg/L	50.0	100	90-110	0	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 151092	Date: 03/14/2013 08:05		Prep Batch: 150908			Date: 03/13/2013 07:00					
						LCS Source: WT PHENOL_00367					
9065	LCS 460-150908/2-A	Phenols, Total	0.409		mg/L	0.400	102	90-110			
Batch ID: 152390	Date: 03/22/2013 18:19		Prep Batch: 152267			Date: 03/22/2013 07:00					
						LCS Source: WT PHENOL_00369					
9065	LCS 460-152267/2-A	Phenols, Total	0.541		mg/L	0.400	135	90-110			*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 152658	Date: 03/25/2013 12:53										
						LCS Source:	WTchlLCS_00038				
SM 4500 Cl- E	LCSSRM 460-152658/6	Chloride	50.1		mg/L	53.0	94.6	88.9-105.8			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LOW LEVEL CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 152069		Date: 03/21/2013 10:32	Prep Batch: 152042			Date: 03/21/2013 09:00					
						LCS Source: WTcnIM1_00922					
9012A	LLCS 460-152042/2-A	Cyanide, Total	0.107		mg/L	0.100	107	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
HIGH LEVEL CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 152069		Date: 03/21/2013 10:33	Prep Batch: 152042			Date: 03/21/2013 09:00					
						LCS Source: WTcnIM1_00922					
9012A	HLCS 460-152042/3-A	Cyanide, Total	0.207		mg/L	0.200	104	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012A MDL Date: 10/31/2012 10:47

Prep Method: 9012A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.004

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012A XMDL Date: 10/31/2012 10:49

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.004

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Konelab1

Method: 9065 RL Date: 10/05/2006 13:27

Prep Method: Distill/Phenol

Analyte	Wavelength/ Mass	RL (mg/L)	
Phenols, Total		0.05	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Konelab1

Method: 9065 XMDL Date: 01/07/2013 09:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Phenols, Total		0.05	0.0065

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Konelab1

Method: SM 4500 Cl- E MDL Date: 11/27/2012 08:54

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chloride		5	2.91

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Konelab1

Method: SM 4500 Cl- E XMDL Date: 11/27/2012 08:54

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chloride		5	2.91

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-152042/1-A	03/21/2013 09:00	152042		5	5
LLCS 460-152042/2-A	03/21/2013 09:00	152042		5	5
HLCS 460-152042/3-A	03/21/2013 09:00	152042		5	5
460-52675-F-1-B MS	03/21/2013 09:00	152042		5	5
460-52675-F-1-C MSD	03/21/2013 09:00	152042		5	5
460-52642-1	03/21/2013 09:00	152042		5	5

FORM XII-IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Prep Method: Distill/Phenol

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-150908/1-A	03/13/2013 07:00	150908		50.0	50.0
LCS 460-150908/2-A	03/13/2013 07:00	150908		50.0	50.0
460-52095-P-1-A MS	03/13/2013 07:00	150908		50.0	50.0
460-52095-P-1-B MSD	03/13/2013 07:00	150908		50.0	50.0

FORM XII-IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Prep Method: Distill/Phenol

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-152267/1-A	03/22/2013 07:00	152267		50.0	50.0
LCS 460-152267/2-A	03/22/2013 07:00	152267		50.0	50.0
460-52642-1	03/22/2013 07:00	152267		50.0	50.0

FORM XII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: Lachat3 Method: 9012A

Start Date: 03/21/2013 10:09 End Date: 03/21/2013 10:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				CN																			
ZZZZZZ			10:09																				
ZZZZZZ			10:10																				
ZZZZZZ			10:10																				
ZZZZZZ			10:11																				
ZZZZZZ			10:12																				
ZZZZZZ			10:13																				
ZZZZZZ			10:14																				
CCV 460-152069/8	1		10:15	X																			
CCB 460-152069/9	1		10:17	X																			
ICV 460-152069/10	1		10:18	X																			
ZZZZZZ			10:19																				
ZZZZZZ			10:20																				
ZZZZZZ			10:21																				
ZZZZZZ			10:22																				
ZZZZZZ			10:23																				
ZZZZZZ			10:24																				
ZZZZZZ			10:24																				
ZZZZZZ			10:25																				
ZZZZZZ			10:26																				
CCV 460-152069/20	1		10:27	X																			
CCB 460-152069/21	1		10:30	X																			
ZZZZZZ			10:31																				
MB 460-152042/1-A	1	T	10:31	X																			
LLCS 460-152042/2-A	1	T	10:32	X																			
HLCS 460-152042/3-A	1	T	10:33	X																			
ZZZZZZ			10:34																				
460-52675-F-1-B MS	1	T	10:35	X																			
460-52675-F-1-C MSD	1	T	10:36	X																			
ZZZZZZ			10:37																				
ZZZZZZ			10:38																				
ZZZZZZ			10:38																				
CCV 460-152069/32	1		10:39	X																			
CCB 460-152069/33	1		10:42	X																			
460-52642-1	1	T	10:43	X																			
CCV 460-152069/35	1		10:45	X																			
CCB 460-152069/36	1		10:48	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: Konelab1 Method: 9065

Start Date: 03/14/2013 07:23 End Date: 03/14/2013 09:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				PhenT																			
ICV 460-151092/1	1		07:23	X																			
ICB 460-151092/2	1		07:23	X																			
CCV 460-151092/3	1		08:05	X																			
CCB 460-151092/4	1		08:05	X																			
MB 460-150908/1-A	1	T	08:05	X																			
LCS 460-150908/2-A	1	T	08:05	X																			
460-52095-P-1-A MS	1	T	08:05	X																			
460-52095-P-1-B MSD	1	T	08:05	X																			
ZZZZZZ			08:05																				
ZZZZZZ			08:05																				
ZZZZZZ			08:05																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
CCV 460-151092/15	1		08:08	X																			
CCB 460-151092/16	1		08:08	X																			
ZZZZZZ			08:08																				
CCV 460-151092/18			08:12																				
CCB 460-151092/19			08:12																				
CCV 460-151092/20			09:00																				
CCB 460-151092/21			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
CCV 460-151092/32			09:03																				
CCB 460-151092/33			09:03																				
ZZZZZZ			09:03																				
ZZZZZZ			09:03																				
CCV 460-151092/36			09:07																				
CCB 460-151092/37			09:07																				
CCV 460-151092/38			09:32																				
CCB 460-151092/39			09:32																				
ZZZZZZ			09:34																				
CCV 460-151092/41			09:35																				
CCB 460-151092/42			09:35																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: Konelab1 Method: 9065

Start Date: 03/14/2013 07:23 End Date: 03/14/2013 09:35

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: Konelab1 Method: 9065

Start Date: 03/22/2013 17:54 End Date: 03/22/2013 18:25

Lab Sample ID	D/F	Type	Time	Analytes																			
				PhenT																			
ICV 460-152390/1	1		17:54	X																			
ICB 460-152390/2	1		17:54	X																			
CCV 460-152390/3	1		18:19	X																			
CCB 460-152390/4	1		18:19	X																			
MB 460-152267/1-A	1	T	18:19	X																			
LCS 460-152267/2-A	1	T	18:19	X																			
ZZZZZZ			18:19																				
ZZZZZZ			18:19																				
ZZZZZZ			18:19																				
ZZZZZZ			18:19																				
ZZZZZZ			18:19																				
460-52642-1	1	T	18:19	X																			
ZZZZZZ			18:19																				
ZZZZZZ			18:19																				
CCV 460-152390/15	1		18:22	X																			
CCB 460-152390/16	1		18:22	X																			
ZZZZZZ			18:22																				
ZZZZZZ			18:22																				
ZZZZZZ			18:22																				
CCV 460-152390/20			18:25																				
CCB 460-152390/21			18:25																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: Konelab1 Method: SM 4500 Cl- E

Start Date: 03/25/2013 12:31 End Date: 03/25/2013 13:00

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-																			
ICV 460-152658/1	1		12:31	X																			
ICB 460-152658/2	1		12:31	X																			
CCV 460-152658/3	1		12:53	X																			
CCB 460-152658/4	1		12:53	X																			
MB 460-152658/5	1	T	12:53	X																			
LCSSRM 460-152658/6	1	T	12:53	X																			
460-52642-1	1	T	12:53	X																			
ZZZZZZ			12:53																				
ZZZZZZ			12:53																				
ZZZZZZ			12:53																				
ZZZZZZ			12:53																				
ZZZZZZ			12:53																				
460-52838-E-1 MS	1	T	12:53	X																			
460-52838-E-1 MSD	1	T	12:53	X																			
CCV 460-152658/15	1		12:54	X																			
CCB 460-152658/16	1		12:55	X																			
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
CCV 460-152658/19			13:00																				
CCB 460-152658/20			13:00																				

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152042 Batch Start Date: 03/21/13 09:00 Batch Analyst: Kowalski, Joseph A

Batch Method: 9012A Batch End Date: 03/21/13 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ChlorineCheck	SulfideCheck	DistillpHCheck	WTcnIM1 00922
MB 460-152042/1		9012A, 9012A		5 mL	5 mL				
LLCS 460-152042/2		9012A, 9012A		5 mL	5 mL				0.05 mL
HLCS 460-152042/3		9012A, 9012A		5 mL	5 mL				0.1 mL
460-52675-F-1 MS		9012A, 9012A	T	5 mL	5 mL	N	N	12	0.1 mL
460-52675-F-1 MSD		9012A, 9012A	T	5 mL	5 mL	N	N	12	0.1 mL
460-52642-D-1	INFLUENT	9012A, 9012A	T	5 mL	5 mL	N	N	12	

Batch Notes	
Distillation Temperature	120 Degrees C
Magnesium Chloride Lot Number	Fisher/103976A
Sodium Hydroxide Reagent ID Number	C-9311-13 exp. 09/02/13
Sulfamic Acid Reagent ID Number	C-9300-13 exp. 08/26/13
Sulfuric Acid Reagent ID Number	C-9272-13 exp. 08/18/13

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152069 Batch Start Date: 03/21/13 10:09 Batch Analyst: Kowalski, Joseph A

Batch Method: 9012A Batch End Date: 03/21/13 10:48

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTcnIM3 00959				
CCV 460-152069/8		9012A		100 mL	2 mL				
ICV 460-152069/10		9012A		100 mL	2 mL				
CCV 460-152069/20		9012A		100 mL	2 mL				
CCV 460-152069/32		9012A		100 mL	2 mL				
CCV 460-152069/35		9012A		100 mL	2 mL				

Batch Notes	
Batch Comment	B(06193-06199)-13 CAL exp. 03/21/13
Buffer Reagent ID Number	C-9356-13 exp. 04/18/13
Chloramine-T Reagent ID Number	C-9363-13 exp. 03/21/13
First End time	B(06200)-13 : CCV exp. 03/21/13
NaOH Lot #	C-9354-13 exp. 09/18/13
Pyridine-Barbituric Acid Reagent ID	C-9355-13 exp. 03/25/13

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 150908 Batch Start Date: 03/13/13 07:00 Batch Analyst: Afremova, Izabella

Batch Method: Distill/Phenol Batch End Date: 03/13/13 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	WT PHENOL 00367	
MB 460-150908/1		Distill/Phenol, 9065		50.0 mL	50.0 mL	5.75	2.79		
LCS 460-150908/2		Distill/Phenol, 9065		50.0 mL	50.0 mL	5.77	2.83	0.2 mL	
460-52095-P-1 MS		Distill/Phenol, 9065	T	50.0 mL	50.0 mL	1.47	2.59	0.2 mL	
460-52095-P-1 MSD		Distill/Phenol, 9065	T	50.0 mL	50.0 mL	1.44	2.61	0.2 mL	

Batch Notes	
Acid used for pH adjustment	(1:9) H3PO4 # 9044-12 exp.06/06/13
Copper II Sulfate Pentahydrate ID	# C - 9043-12 exp.06/06/13
Distillation Temperature	210 Degrees C
Residual Chlorine Present	N

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 151092 Batch Start Date: 03/14/13 07:23 Batch Analyst: Cabanganan, Maria

Batch Method: 9065 Batch End Date: 03/14/13 09:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTphenSS1 00015				
ICV 460-151092/1		9065		100 mL	0.1 mL				
CCV 460-151092/3		9065		100 mL	0.1 mL				
CCV 460-151092/15		9065		100 mL	0.1 mL				

Batch Notes	
Buffer Solution ID	C-9115-13 exp. 06/03/13
Color Reagent 1 ID	4AAP: C-9344-13 exp. 03/14/13
Color Reagent 2 ID	K3Fe(CN)6: C-9338-13 exp. 03/26/13
Color Reagent ID Number	Cal curve: A(57603-57609)13 exp. 03/19/13
pH Meter ID	CCV: A(57602)13 exp. 03/19/13

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152267 Batch Start Date: 03/22/13 07:00 Batch Analyst: Afremova, Izabella

Batch Method: Distill/Phenol Batch End Date: 03/22/13 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	WT PHENOL 00369	
MB 460-152267/1		Distill/Phenol, 9065		50.0 mL	50.0 mL	6.71	2.77		
LCS 460-152267/2		Distill/Phenol, 9065		50.0 mL	50.0 mL	6.70	2.85	0.2 mL	
460-52642-J-1	INFLUENT	Distill/Phenol, 9065	T	50.0 mL	50.0 mL	1.33	2.78		

Batch Notes	
Acid used for pH adjustment	(1:9) H3PO4 # C - 9044-12 exp.06/06/13
Copper II Sulfate Pentahydrate ID	# C - 9043-12 exp.06/06/13
Distillation Temperature	210 Degrees C
Residual Chlorine Present	N

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152390 Batch Start Date: 03/22/13 17:54 Batch Analyst: Cabanganan, Maria

Batch Method: 9065 Batch End Date: 03/22/13 18:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTphenSS1 00015				
ICV 460-152390/1		9065		100 mL	0.1 mL				
CCV 460-152390/3		9065		100 mL	0.1 mL				
CCV 460-152390/15		9065		100 mL	0.1 mL				

Batch Notes	
Buffer Solution ID	C-9115-13 exp. 06/03/13
Color Reagent 1 ID	K3Fe(CN)6: C-9338-13 exp. 03/26/13
Color Reagent 2 ID	4AAP: C-9367-13 exp. 04/22/13
Color Reagent ID Number	Cal. curve: A(57721-57727)13 exp. 04/20/13
pH Meter ID	CCV: A(57720)13 exp. 04/20/13

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152658 Batch Start Date: 03/25/13 12:31 Batch Analyst: Cabanganan, Maria

Batch Method: SM 4500 Cl- E Batch End Date: 03/25/13 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTchlLCS 00038	WTchlSP1 00014	WTchlss1 00011		
ICV 460-152658/1		SM 4500 Cl- E		50 mL			2.5 mL		
CCV 460-152658/3		SM 4500 Cl- E		50 mL			2.5 mL		
LCSSRM 460-152658/6		SM 4500 Cl- E		50 mL	50 mL				
460-52838-E-1 MS		SM 4500 Cl- E	T	50 mL		2.5 mL			
460-52838-E-1 MSD		SM 4500 Cl- E	T	50 mL		2.5 mL			
CCV 460-152658/15		SM 4500 Cl- E		50 mL			2.5 mL		

Batch Notes	
Color Reagent ID Number	C-9353-13 exp. 09/18/13
Filter Paper Lot Number	CCV: A(57701)13 exp 04/18/13
Pipette ID	Cal. curve: A(57694-57700)13 exp. 04/18/13

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

03/28/2013

Name (for report and invoice): MIKE GEIER
Company: ENVIROGEN
Address: 1117 RT- 31
City: LEBANON State: NJ
Phone: (908) 487 9770 Fax:

Samplers Name (Printed): MIKE GEIER
P. O. #:

Site/Project Identification: INGERSOLL RAND; P'BURG, NJ
State (Location of site): NJ: [X] NY: [ ] Other:
Regulatory Program: NJPDES - PERMIT RENEWAL

Analysis Turnaround Time
Standard [ ]
Rush Chrages Authorized For:
2 Week [ ]
1 Week [ ]
Other [X] 1-DAY mg

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Loc: 460
52642

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOC's	BNA's	PESTICIDES + DIOXINS, PCB	METALS + TOTAL IRON	CN	TOTAL PHENOLS						Numbers
INFLUENT	3-20-13	06:30	GW	10	X	X	X	X	X	X						1
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH; 6 = Other _____, 7 = Other _____				Soil:												
				Water:	1, 2	1	1	1, 4	1, 5	1, 3						

1-Day RUSH

Sub Work

Special Instructions: TAT = 1 DAY; SEE ATTACHED PARAMETER LIST mg

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
Mike Geier	ETI	3/20/13 1230	1) James Threne	TestAmer
2) James Threne	TestAmer	3/20/13 1415	2) [illegible] 3/20/13	1415
3)			3)	
4)			4)	

1-Day RUSH

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

0° < 1.1° - IR4 - No CS

TestAmerica Edison Receipt Temperature and pH Log

Page ____ of _____

Job Number: 52642

Number of Coolers:	1	In Cooler:	9		
Temp. Cooler #1 (Deg C) Raw/Corrected	0/1.1	Temp. Cooler #4 (Deg C) Raw/Corrected		Temp. Cooler #7 (Deg C) Raw/Corrected	
Temp. Cooler #2 (Deg C) Raw/Corrected		Temp. Cooler #5 (Deg C) Raw/Corrected		Temp. Cooler #8 (Deg C) Raw/Corrected	
Temp. Cooler #3 (Deg C) Raw/Corrected		Temp. Cooler #6 (Deg C) Raw/Corrected		Temp. Cooler #9 (Deg C) Raw/Corrected	

Sample No.	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	*Metals (pH<2)	Pest (pH 5-9)	PHC (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other
1				<2			<2				>12		

If pH adjustments are required record the information below:

Sample No(s). adjusted: 1

Preservative Name/Conc.: NaOH

Volume of Preservative used (ml): 1 mL

Lot # of Preservative: C-8955-12

Expiration Date: 5/14/2013

Project Manager and the Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 3, 10/8/12

Initials: CHall

Date: 3/20/13

Login Sample Receipt Checklist

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Login Number: 52642

List Source: TestAmerica Edison

List Number: 1

Creator: Hall, Alonzo

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1° C IR #4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	False	Cn received unpreserved
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Login Number: 52642
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 03/21/13 12:43 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 460-52642-1

Job Description: IR-Phillipsburg

For:
Envirogen Technologies Inc
1117 Rt. 31
Suite 5
Lebanon, NJ 08833

Attention: Mr. Mike Geier

Approved for release.
Thomas Tanico
Department Manager II
3/28/2013 9:15 AM

Thomas Tanico
Department Manager II
thomas.tanico@testamericainc.com
03/28/2013

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

TestAmerica Laboratories, Inc.
TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com

Table of Contents

Cover Title Page 1

Data Summaries 6

Report Narrative 6

Sample Summary 8

Executive Summary 9

Method Summary 10

Method / Analyst Summary 11

Sample Datasheets 12

Surrogate Summary 24

QC Data Summary 29

Data Qualifiers 58

QC Association Summary 59

Lab Chronicle 64

Organic Sample Data 69

GC/MS VOA 69

Method 624 69

Method 624 QC Summary 70

Method 624 Sample Data 78

Standards Data 82

Method 624 ICAL Data 82

Method 624 CCAL Data 94

Raw QC Data 97

Method 624 Tune Data 97

Method 624 Blank Data 106

Method 624 LCS/LCSD Data 110

Method 624 MS/MSD Data 117

Table of Contents

Method 624 Run Logs 121

GC/MS Semi VOA 124

Method 625 124

Method 625 QC Summary 125

Method 625 Sample Data 137

Standards Data 154

Method 625 ICAL Data 154

Method 625 CCAL Data 172

Raw QC Data 175

Method 625 Tune Data 175

Method 625 Blank Data 188

Method 625 LCS/LCSD Data 200

Method 625 Run Logs 216

Method 625 Prep Data 218

GC Semi VOA 221

Method 608 221

Method 608 QC Summary 222

Method 608 Sample Data 240

Standards Data 271

Method 608 ICAL Data 271

Method 608 PEM Data 314

Method 608 CCAL Data 332

Raw QC Data 358

Method 608 Blank Data 358

Method 608 LCS/LCSD Data 373

Method 608 Run Logs 403

Table of Contents

Method 608 Prep Data 410

Method 8141A 411

Method 8141A QC Summary 412

Method 8141A Sample Data 422

Standards Data 435

Method 8141A ICAL Data 435

Method 8141A CCAL Data 449

Raw QC Data 465

Method 8141A Blank Data 465

Method 8141A LCS/LCSD Data 479

Method 8141A Run Logs 501

Method 8141A Prep Data 503

Inorganic Sample Data 504

Metals Data 504

Met Cover Page 505

Met Sample Data 506

Met QC Data 508

Met ICV/CCV 508

Met CRQL 511

Met Blanks 512

Met ICSA/ICSAB 516

Met MS/MSD/PDS 518

Met Dup/Trip 521

Met LCS/LCSD 523

Met Serial Dilution 525

Met MDL 527

Table of Contents

Met Linear Ranges 531

Met Preparation Log 532

Met Analysis Run Log 534

Met ICP/MS Int Stds 539

Met Prep Data 541

General Chemistry Data 544

Gen Chem Cover Page 545

Gen Chem Sample Data 546

Gen Chem QC Data 548

Gen Chem ICV/CCV 548

Gen Chem Blanks 552

Gen Chem MS/MSD/PDS 553

Gen Chem LCS/LCSD 555

Gen Chem MDL 559

Gen Chem Preparation Log 565

Gen Chem Analysis Run Log 568

Gen Chem Prep Data 573

Shipping and Receiving Documents 580

Client Chain of Custody 581

Sample Receipt Checklist 583

CASE NARRATIVE

Client: Envirogen Technologies Inc

Project: IR-Phillipsburg

Report Number: 460-52642-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 03/20/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.1 C.

The cyanide sample was received unpreserved. At the client's request, the sample was preserved at the lab.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TOTAL RECOVERABLE METALS (ICP/MS)

Sample 460-52642-1 was analyzed for total recoverable metals (icp/ms) in accordance with EPA Method 200.8. The samples were prepared on 03/22/2013 and analyzed on 03/25/2013.

As a standard practice all non-potable samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Sample 460-52642-1 was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared and analyzed on 03/21/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

ORGANOCHLORINE PESTICIDES-PCBS

Sample 460-52642-1 was analyzed for organochlorine pesticides-PCBs in accordance with EPA Method 608. The samples were prepared on 03/21/2013 and analyzed on 03/22/2013, 03/25/2013 and 03/26/2013.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 66997 exceeded control limits for the following analytes: DDD, DDT, and Endosulfan Sulfate. DDD and Endosulfan Sulfate were nondetect. DDT has a small hit just over the reporting limit; however, RPD was barely over limit.

The continuing calibration verification (CCV) that followed these sample failed low for several analytes. Samples were run multiple times with the same result. Best results are reported.

No other difficulties were encountered during the pesticides-pcb analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample 460-52642-1 was analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 03/21/2013.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Tetrachloroethene were outside control limits in batch 152136. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample 460-52642-1 was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA Method 625. The samples were prepared on 03/21/2013 and 03/23/2013 and analyzed on 03/21/2013 and 03/27/2013.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

ORGANOPHOSPHORUS PESTICIDES
Sample 460-52642-1 was analyzed for organophosphorus pesticides in accordance with EPA SW-846 Method 8141A. The samples were prepared on 03/21/2013 and analyzed on 03/22/2013.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Sample 460-52642-1 was analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 03/21/2013.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

PHENOLICS, TOTAL RECOVERABLE
Sample 460-52642-1 was analyzed for phenolics, total recoverable in accordance with EPA SW-846 Method 9065. The samples were prepared and analyzed on 03/22/2013.

The laboratory control sample (LCS) for batch 152390 exceeded control limits for the following analyte: Phenol. These analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the total phenols analysis.

All other quality control parameters were within the acceptance limits.

TOTAL CHLORIDE
Sample 460-52642-1 was analyzed for total chloride in accordance with SM 4500 Cl-E. The samples were analyzed on 03/25/2013.

No difficulties were encountered during the chloride analysis.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-52642-1	INFLUENT	Water	03/20/2013 0630	03/20/2013 1415

EXECUTIVE SUMMARY - Detections

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-52642-1	**INFLUENT**					
Acenaphthene		5.5	J	11	ug/L	625
Acenaphthylene		1.1	J	11	ug/L	625
Anthracene		0.62	J	11	ug/L	625
Fluoranthene		0.11	J	11	ug/L	625
Fluorene		6.9	J	11	ug/L	625
Phenanthrene		6.2	J	11	ug/L	625
Pyrene		0.38	J	11	ug/L	625
alpha-BHC		0.0018	p	0.0013	ug/L	608
gamma-BHC (Lindane)		0.0040		0.0013	ug/L	608
delta-BHC		0.00078	J p	0.0013	ug/L	608
4,4'-DDT		0.0019		0.0013	ug/L	608
Heptachlor		0.0014		0.0013	ug/L	608
Chloride		100		5.0	mg/L	SM 4500 Cl- E
Total Recoverable						
Iron		8400		150	ug/L	200.8

METHOD SUMMARY

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 625	
Liquid-Liquid Extraction	TAL EDI		40CFR136A 625
Metals (ICP/MS)	TAL EDI	EPA 200.8	
Preparation, Total Recoverable Metals	TAL EDI		EPA 200.8
Mercury (CVAA)	TAL EDI	EPA 245.1	
Preparation, Mercury	TAL EDI		EPA 245.1
Cyanide, Total and/or Amenable	TAL EDI	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL EDI		SW846 9012A
Phenolics, Total Recoverable	TAL EDI	SW846 9065	
Distillation, Phenolics	TAL EDI		Distill/Phenol
Chloride, Total	TAL EDI	SM SM 4500 Cl- E	
Semivolatile Organic Compounds (GC/MS)	TAL NC	40CFR136A 625	
Liquid-Liquid Extraction	TAL NC		40CFR136A 625
Organochlorine Pesticides/PCBs in Water	TAL PIT	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		40CFR136A 608
Organochlorine Pesticides/PCBs in Water	TAL PIT	40CFR136A 608	
Liquid-Liquid Extraction (Separtory Funnel)	TAL PIT		40CFR136A 608
Organophosphorous Pesticides (GC)	TAL PIT	SW846 8141A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C

Lab References:

TAL EDI = TestAmerica Edison

TAL NC = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

METHOD / ANALYST SUMMARY

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method	Analyst	Analyst ID
40CFR136A 624	Jin, Fangzhou	FJ
40CFR136A 625	Crocco, Michael	MC
40CFR136A 625	Gruber, John	JG
40CFR136A 608	Gupta, Ashok	AG
40CFR136A 608	Oravec, John	JO
40CFR136A 608	Waclaski, Linx	lw
SW846 8141A	Eppinger, David	DE
EPA 200.8	Dave, Virendra	VD
EPA 245.1	Staib, Thomas	TS
SW846 9012A	Kowalski, Joseph A	JAK
SW846 9065	Cabanganan, Maria	MB
SM SM 4500 Cl- E	Cabanganan, Maria	MB

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

624 Volatile Organic Compounds (GC/MS)

Analysis Method:	624	Analysis Batch:	460-152136	Instrument ID:	VOAMS1
	N/A	Prep Batch:	N/A	Lab File ID:	a86024.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1455			Final Weight/Volume:	5 mL
Prep Date:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		0.10	1.0
Vinyl chloride	ND		0.14	1.0
Bromomethane	ND		0.18	1.0
Chloroethane	ND		0.17	1.0
1,1-Dichloroethene	ND		0.090	1.0
Methylene Chloride	ND		0.18	1.0
trans-1,2-Dichloroethene	ND		0.13	1.0
1,1-Dichloroethane	ND		0.13	1.0
Chloroform	ND		0.080	1.0
1,1,1-Trichloroethane	ND		0.060	1.0
Carbon tetrachloride	ND		0.060	1.0
Benzene	ND		0.080	1.0
1,2-Dichloroethane	ND		0.19	1.0
Trichloroethene	ND		0.090	1.0
1,2-Dichloropropane	ND		0.090	1.0
Bromodichloromethane	ND		0.12	1.0
2-Chloroethyl vinyl ether	ND		0.34	1.0
cis-1,3-Dichloropropene	ND		0.18	1.0
Toluene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.24	1.0
1,1,2-Trichloroethane	ND		0.19	1.0
Tetrachloroethene	ND		0.10	1.0
Dibromochloromethane	ND		0.20	1.0
Chlorobenzene	ND		0.11	1.0
Ethylbenzene	ND		0.10	1.0
Bromoform	ND		0.19	1.0
1,1,2,2-Tetrachloroethane	ND		0.16	1.0
Acrylonitrile	ND		0.68	2.0
Acrolein	ND		1.3	4.0
TBA	ND		5.7	20
MTBE	ND		0.14	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
Toluene-d8 (Surr)	88		70 - 130
Bromofluorobenzene	96		70 - 130

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	460-152058	Instrument ID:	BNAMS6
Prep Method:	625	Prep Batch:	460-152013	Lab File ID:	m63166.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	03/21/2013 0845			Final Weight/Volume:	2 mL
Prep Date:	03/21/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,3,7,8-TCDD	ND		1.0	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	40		10 - 65
Phenol-d5	26		10 - 48
Nitrobenzene-d5	89		56 - 112
2-Fluorobiphenyl	75		53 - 108
2,4,6-Tribromophenol	79		46 - 122
Terphenyl-d14	95		50 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Prep Method:	625	Prep Batch:	240-79226	Lab File ID:	30326028.D
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	03/27/2013 0803			Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.29	11
1,2-Dichlorobenzene	ND		0.31	11
1,3-Dichlorobenzene	ND		0.84	11
1,4-Dichlorobenzene	ND		0.36	11
2,4,6-Trichlorophenol	ND		0.84	11
2,4-Dichlorophenol	ND		0.84	11
2,4-Dimethylphenol	ND		0.84	11
2,4-Dinitrophenol	ND		2.5	53
2,4-Dinitrotoluene	ND		0.28	11
2,6-Dinitrotoluene	ND		0.84	11
2-Chloronaphthalene	ND		0.11	11
2-Chlorophenol	ND		0.31	11
2-Nitrophenol	ND		0.29	11
3,3'-Dichlorobenzidine	ND		0.39	11
4,6-Dinitro-2-methylphenol	ND		2.5	53
4-Bromophenyl phenyl ether	ND		0.84	11
4-Chlorophenyl phenyl ether	ND		0.32	11
4-Nitrophenol	ND		2.5	53
Acenaphthene	5.5	J	0.11	11
Acenaphthylene	1.1	J	0.11	11
Anthracene	0.62	J	0.11	11
Benzidine	ND		2.5	110
Benzo[a]anthracene	ND		0.11	11
Benzo[a]pyrene	ND		0.11	11
Benzo[b]fluoranthene	ND		0.11	11
Benzo[g,h,i]perylene	ND		0.11	11
Benzo[k]fluoranthene	ND		0.11	11
Bis(2-chloroethoxy)methane	ND		0.34	11
Bis(2-chloroethyl)ether	ND		0.11	11
Bis(2-ethylhexyl) phthalate	ND		0.84	11
2,2'-oxybis[1-chloropropane]	ND		0.42	11
Butyl benzyl phthalate	ND		0.84	11
Chrysene	ND		0.11	11
Dibenz(a,h)anthracene	ND		0.11	11
Diethyl phthalate	ND		0.63	11
Dimethyl phthalate	ND		0.31	11
Di-n-butyl phthalate	ND		0.71	11
Di-n-octyl phthalate	ND		0.84	11
Fluoranthene	0.11	J	0.11	11
Fluorene	6.9	J	0.11	11
Hexachlorobenzene	ND		0.11	11
Hexachlorobutadiene	ND		0.28	11
Hexachlorocyclopentadiene	ND		0.84	11
Hexachloroethane	ND		0.84	11
Indeno[1,2,3-cd]pyrene	ND		0.11	11
Isophorone	ND		0.28	11

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Prep Method:	625	Prep Batch:	240-79226	Lab File ID:	30326028.D
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	03/27/2013 0803			Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	ND		0.11	11
Nitrobenzene	ND		0.042	11
N-Nitrosodimethylamine	ND		0.33	11
N-Nitrosodi-n-propylamine	ND		0.84	11
N-Nitrosodiphenylamine	ND		0.33	11
4-Chloro-3-methylphenol	ND		0.84	11
Pentachlorophenol	ND		2.5	11
Phenanthrene	6.2	J	0.11	11
Phenol	ND		0.63	11
Pyrene	0.38	J	0.11	11
2,4,5-Trichlorophenol	ND		0.32	11
N-Nitrosodiethylamine	ND		0.80	11
Pentachlorobenzene	ND		0.75	11
N-Nitrosopyrrolidine	ND		0.78	11
1,2-Diphenylhydrazine	ND		0.31	11
1,2,4,5-Tetrachlorobenzene	ND		0.58	11
N-Nitrosodi-n-butylamine	ND		0.85	11

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	33		10 - 135
2,4,6-Tribromophenol	68		10 - 142
Nitrobenzene-d5	71		44 - 110
Phenol-d5	21		10 - 132
Terphenyl-d14	80		24 - 135
2-Fluorobiphenyl (Surr)	65		38 - 110

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

608 Organochlorine Pesticides/PCBs in Water

Analysis Method:	608	Analysis Batch:	180-67287	Instrument ID:	GC15
Prep Method:	608	Prep Batch:	180-66997	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	03/25/2013 1656			Injection Volume:	1 uL
Prep Date:	03/21/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mirex	ND		0.00049	0.0013

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

608 Organochlorine Pesticides/PCBs in Water

Analysis Method:	608	Analysis Batch:	180-67462	Instrument ID:	GC15
Prep Method:	608	Prep Batch:	180-66997	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	03/26/2013 2103			Injection Volume:	1 uL
Prep Date:	03/21/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.00085	0.0013
alpha-BHC	0.0018	p	0.00067	0.0013
beta-BHC	ND		0.0010	0.0013
gamma-BHC (Lindane)	0.0040		0.00082	0.0013
delta-BHC	0.00078	J p	0.00039	0.0013
Chlordane (technical)	ND		0.0017	0.013
4,4'-DDD	ND	*	0.00068	0.0013
4,4'-DDE	ND		0.00081	0.0013
4,4'-DDT	0.0019		0.00076	0.0013
Dieldrin	ND		0.00084	0.0013
Endosulfan I	ND		0.00096	0.0013
Endosulfan II	ND		0.0010	0.0013
Endosulfan sulfate	ND	*	0.00058	0.0013
Endrin	ND		0.00098	0.0013
Endrin aldehyde	ND		0.00092	0.0013
Heptachlor	0.0014		0.0010	0.0013
Heptachlor epoxide	ND		0.00099	0.0013
Methoxychlor	ND		0.00093	0.0026
Toxaphene	ND		0.019	0.051

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		36 - 129
DCB Decachlorobiphenyl (Surr)	71		57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

608 Organochlorine Pesticides/PCBs in Water

Analysis Method:	608	Analysis Batch:	180-67462	Instrument ID:	GC15
Prep Method:	608	Prep Batch:	180-66997	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	03/26/2013 2103			Injection Volume:	1 uL
Prep Date:	03/21/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		36 - 129
DCB Decachlorobiphenyl (Surr)	70		57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

608 Organochlorine Pesticides/PCBs in Water

Analysis Method:	608	Analysis Batch:	180-67227	Instrument ID:	GC8
Prep Method:	608	Prep Batch:	180-66997	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	03/22/2013 1405			Injection Volume:	1 uL
Prep Date:	03/21/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.0026	0.010
PCB-1221	ND		0.0025	0.010
PCB-1232	ND		0.0030	0.010
PCB-1242	ND		0.0019	0.010
PCB-1248	ND		0.0023	0.010
PCB-1254	ND		0.0014	0.010
PCB-1260	ND		0.0014	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		36 - 129
DCB Decachlorobiphenyl (Surr)	106		57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

8141A Organophosphorous Pesticides (GC)

Analysis Method:	8141A	Analysis Batch:	180-67073	Instrument ID:	GC5
Prep Method:	3510C	Prep Batch:	180-66996	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	03/22/2013 1110			Injection Volume:	1 uL
Prep Date:	03/21/2013 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Guthion	ND		0.12	1.0
Chlorpyrifos	ND		0.10	1.0
Demeton, Total	ND		0.17	2.0
Demeton-O	ND		0.095	1.0
Demeton-S	ND		0.073	1.0
Malathion	ND		0.11	1.0
Parathion	ND		0.17	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Triphenylphosphate	97		45 - 145
Tributyl phosphate	99		49 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

8141A Organophosphorous Pesticides (GC)

Analysis Method:	8141A	Analysis Batch:	180-67073	Instrument ID:	GC5
Prep Method:	3510C	Prep Batch:	180-66996	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	03/22/2013 1110			Injection Volume:	1 uL
Prep Date:	03/21/2013 1330			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Triphenylphosphate	94		45 - 145
Tributyl phosphate	99		49 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

200.8 Metals (ICP/MS)-Total Recoverable

Analysis Method:	200.8	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Prep Method:	200.8	Prep Batch:	460-152271	Lab File ID:	029SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0427			Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		1.8	2.5
Arsenic	ND		1.8	2.5
Beryllium	ND		0.90	1.0
Cadmium	ND		1.9	2.5
Chromium	ND		4.0	5.0
Copper	ND		3.8	5.0
Lead	ND		1.2	1.5
Nickel	ND		4.1	5.0
Selenium	ND		1.9	2.5
Silver	ND		3.8	5.0
Thallium	ND		0.75	1.0
Zinc	ND		15	20
Iron	8400		130	150

245.1 Mercury (CVAA)

Analysis Method:	245.1	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Prep Method:	245.1	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2035			Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.16	0.20

General Chemistry

Client Sample ID: **INFLUENT**

Lab Sample ID: 460-52642-1

Client Matrix: Water

Date Sampled: 03/20/2013 0630

Date Received: 03/20/2013 1415

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0040	0.010	1.0	9012A
Analysis Batch: 460-152069	Analysis Date: 03/21/2013 1043						
Prep Batch: 460-152042	Prep Date: 03/21/2013 0900						
Chloride	100		mg/L	2.9	5.0	1.0	SM 4500 Cl- E
Analysis Batch: 460-152658	Analysis Date: 03/25/2013 1253						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenols, Total	ND	*	mg/L	0.050	0.050	1.0	9065
Analysis Batch: 460-152390	Analysis Date: 03/22/2013 1819						
Prep Batch: 460-152267	Prep Date: 03/22/2013 0700						

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-52642-1	INFLUENT	100	88	96
MB 460-152136/4		102	88	97
LCS 460-152136/3		102	93	99
460-52471-A-15 MS		97	91	98
460-52471-A-15 MSD		95	93	97

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-52642-1	INFLUENT	40	26	89	75	79	95
MB 460-152013/1-A		47	31	91	82	80	99
LCS 460-152013/2-A		44	28	88	88	87	100
LCSD 460-152013/3-A		44	29	94	89	92	89

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-52642-1	INFLUENT	33	21	71	65	68	80
MB 240-79226/2-A		52	34	91	88	73	108
LCS 240-79226/3-A		42	28	77	69	65	81

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-135
PHL = Phenol-d5	10-132
NBZ = Nitrobenzene-d5	44-110
FBP = 2-Fluorobiphenyl (Surr)	38-110
TBP = 2,4,6-Tribromophenol	10-142
TPH = Terphenyl-d14	24-135

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate Recovery Report

608 Organochlorine Pesticides/PCBs in Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-52642-1	INFLUENT	67	76	71	70
460-52642-1	INFLUENT		98		106
MB 180-66997/1-A		90	93	81	79
MB 180-66997/1-A			117		102
LCS 180-66997/2-A		88	88	82	82
LCS 180-66997/4-A			105		99
LCSD 180-66997/3-A		82	83	66	65
LCSD 180-66997/5-A			109		102

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	36-129
DCB = DCB Decachlorobiphenyl (Surr)	57-144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate Recovery Report

8141A Organophosphorous Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TBPH1 %Rec	TBPH2 %Rec	TPP1 %Rec	TPP2 %Rec
460-52642-1	INFLUENT	99	99	97	94
MB 180-66996/1-A		86	82	85	83
LCS 180-66996/2-A		107	108	100	96
LCSD 180-66996/3-A		107	108	97	94

Surrogate	Acceptance Limits
TBPH = Tributyl phosphate	49-122
TPP = Triphenylphosphate	45-145

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152136

Method: 624
Preparation: N/A

Lab Sample ID:	MB 460-152136/4	Analysis Batch:	460-152136	Instrument ID:	VOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	a86016.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1214	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		0.10	1.0
Vinyl chloride	ND		0.14	1.0
Bromomethane	ND		0.18	1.0
Chloroethane	ND		0.17	1.0
1,1-Dichloroethene	ND		0.090	1.0
Methylene Chloride	ND		0.18	1.0
trans-1,2-Dichloroethene	ND		0.13	1.0
1,1-Dichloroethane	ND		0.13	1.0
Chloroform	ND		0.080	1.0
1,1,1-Trichloroethane	ND		0.060	1.0
Carbon tetrachloride	ND		0.060	1.0
Benzene	ND		0.080	1.0
1,2-Dichloroethane	ND		0.19	1.0
Trichloroethene	ND		0.090	1.0
1,2-Dichloropropane	ND		0.090	1.0
Bromodichloromethane	ND		0.12	1.0
2-Chloroethyl vinyl ether	ND		0.34	1.0
cis-1,3-Dichloropropene	ND		0.18	1.0
Toluene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.24	1.0
1,1,2-Trichloroethane	ND		0.19	1.0
Tetrachloroethene	ND		0.10	1.0
Dibromochloromethane	ND		0.20	1.0
Chlorobenzene	ND		0.11	1.0
Ethylbenzene	ND		0.10	1.0
Bromoform	ND		0.19	1.0
1,1,2,2-Tetrachloroethane	ND		0.16	1.0
Acrylonitrile	ND		0.68	2.0
Acrolein	ND		1.3	4.0
TBA	ND		5.7	20
MTBE	ND		0.14	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	70 - 130
Toluene-d8 (Surr)	88	70 - 130
Bromofluorobenzene	97	70 - 130

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample - Batch: 460-152136

Method: 624
Preparation: N/A

Lab Sample ID:	LCS 460-152136/3	Analysis Batch:	460-152136	Instrument ID:	VOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	a86012.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1037	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	9.72	49	0 - 273	
Vinyl chloride	20.0	13.2	66	0 - 251	
Bromomethane	20.0	21.6	108	0 - 242	
Chloroethane	20.0	16.2	81	14 - 230	
1,1-Dichloroethene	20.0	21.0	105	0 - 234	
Methylene Chloride	20.0	17.5	88	0 - 221	
trans-1,2-Dichloroethene	20.0	19.8	99	54 - 156	
1,1-Dichloroethane	20.0	16.0	80	59 - 155	
Chloroform	20.0	20.1	101	51 - 138	
1,1,1-Trichloroethane	20.0	23.3	117	52 - 162	
Carbon tetrachloride	20.0	24.5	123	70 - 140	
Benzene	20.0	16.3	82	37 - 151	
1,2-Dichloroethane	20.0	18.2	91	49 - 155	
Trichloroethene	20.0	21.5	108	71 - 157	
1,2-Dichloropropane	20.0	13.7	68	0 - 210	
Bromodichloromethane	20.0	17.2	86	35 - 155	
2-Chloroethyl vinyl ether	20.0	4.51	23	0 - 305	
cis-1,3-Dichloropropene	20.0	15.2	76	0 - 227	
Toluene	20.0	17.2	86	47 - 150	
trans-1,3-Dichloropropene	20.0	16.6	83	17 - 183	
1,1,2-Trichloroethane	20.0	15.6	78	52 - 150	
Tetrachloroethene	20.0	21.8	109	64 - 148	
Dibromochloromethane	20.0	18.7	93	53 - 149	
Chlorobenzene	20.0	18.6	93	37 - 160	
Ethylbenzene	20.0	18.8	94	37 - 162	
Bromoform	20.0	19.9	100	45 - 169	
1,1,2,2-Tetrachloroethane	20.0	13.7	69	46 - 157	
Acrylonitrile	20.0	10.8	54	48 - 135	
Acrolein	40.0	30.0	75	10 - 163	
TBA	400	303	76	49 - 112	
MTBE	20.0	18.5	92	71 - 115	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	70 - 130
Toluene-d8 (Surr)	93	70 - 130
Bromofluorobenzene	99	70 - 130

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152136

Method: 624
Preparation: N/A

MS Lab Sample ID:	460-52471-A-15 MS	Analysis Batch:	460-152136	Instrument ID:	VOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	a86018.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1255			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	460-52471-A-15 MSD	Analysis Batch:	460-152136	Instrument ID:	VOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	a86019.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1314			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloromethane	46	53	0 - 273	13	30		
Vinyl chloride	60	68	0 - 251	14	30		
Bromomethane	104	110	0 - 242	6	30		
Chloroethane	78	85	14 - 230	10	30		
1,1-Dichloroethene	95	105	0 - 234	10	30		
Methylene Chloride	84	95	0 - 221	12	30		
trans-1,2-Dichloroethene	92	102	54 - 156	10	30		
1,1-Dichloroethane	71	81	59 - 155	13	30		
Chloroform	94	105	51 - 138	11	30		
1,1,1-Trichloroethane	104	115	52 - 162	10	30		
Carbon tetrachloride	108	123	70 - 140	13	30		
Benzene	70	83	37 - 151	18	30		
1,2-Dichloroethane	84	94	49 - 155	11	30		
Trichloroethene	92	102	71 - 157	10	30		
1,2-Dichloropropane	60	71	0 - 210	17	30		
Bromodichloromethane	75	88	35 - 155	16	30		
2-Chloroethyl vinyl ether	0	0	0 - 305	NC	30		
cis-1,3-Dichloropropene	63	78	0 - 227	22	30		
Toluene	75	90	47 - 150	18	30		
trans-1,3-Dichloropropene	69	84	17 - 183	20	30		
1,1,2-Trichloroethane	69	81	52 - 150	16	30		
Tetrachloroethene	1	15	64 - 148	6	30	F	F
Dibromochloromethane	81	97	53 - 149	18	30		
Chlorobenzene	82	97	37 - 160	16	30		
Ethylbenzene	81	97	37 - 162	17	30		
Bromoform	80	100	45 - 169	22	30		
1,1,2,2-Tetrachloroethane	62	70	46 - 157	12	30		
Acrylonitrile	65	74	48 - 135	13	30		
Acrolein	72	77	10 - 163	7	30		
TBA	66	76	49 - 112	14	30		
MTBE	84	95	71 - 115	13	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	95	70 - 130

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	93	70 - 130
Bromofluorobenzene	98	97	70 - 130

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152136

Method: 624
Preparation: N/A

MS Lab Sample ID:	460-52471-A-15 MS	Units:	ug/L	MSD Lab Sample ID:	460-52471-A-15 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	10			Dilution:	10
Analysis Date:	03/21/2013 1255			Analysis Date:	03/21/2013 1314
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Chloromethane	ND	200	200	91.9		105	
Vinyl chloride	ND	200	200	119		136	
Bromomethane	ND	200	200	208		220	
Chloroethane	ND	200	200	155		171	
1,1-Dichloroethene	ND	200	200	190		211	
Methylene Chloride	ND	200	200	167		189	
trans-1,2-Dichloroethene	ND	200	200	183		203	
1,1-Dichloroethane	ND	200	200	143		162	
Chloroform	ND	200	200	187		210	
1,1,1-Trichloroethane	ND	200	200	209		231	
Carbon tetrachloride	ND	200	200	216		246	
Benzene	ND	200	200	139		167	
1,2-Dichloroethane	2.6	200	200	170		190	
Trichloroethene	5.3	200	200	190		210	
1,2-Dichloropropane	ND	200	200	120		142	
Bromodichloromethane	ND	200	200	150		176	
2-Chloroethyl vinyl ether	ND	200	200	ND		ND	
cis-1,3-Dichloropropene	ND	200	200	125		157	
Toluene	ND	200	200	151		181	
trans-1,3-Dichloropropene	ND	200	200	137		167	
1,1,2-Trichloroethane	ND	200	200	137		161	
Tetrachloroethene	440	200	200	445	F	473	F
Dibromochloromethane	ND	200	200	162		193	
Chlorobenzene	ND	200	200	165		194	
Ethylbenzene	ND	200	200	163		194	
Bromoform	ND	200	200	161		201	
1,1,2,2-Tetrachloroethane	ND	200	200	124		140	
Acrylonitrile	ND	200	200	130		148	
Acrolein	ND	400	400	286		308	
TBA	ND	4000	4000	2640		3050	
MTBE	ND	200	200	167		191	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152013

Method: 625
Preparation: 625

Lab Sample ID:	MB 460-152013/1-A	Analysis Batch:	460-152058	Instrument ID:	BNAMS6
Client Matrix:	Water	Prep Batch:	460-152013	Lab File ID:	m63165.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/21/2013 0823	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/21/2013 0715			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,3,7,8-TCDD	ND		1.0	1.0

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	47	10 - 65
Phenol-d5	31	10 - 48
Nitrobenzene-d5	91	56 - 112
2-Fluorobiphenyl	82	53 - 108
2,4,6-Tribromophenol	80	46 - 122
Terphenyl-d14	99	50 - 122

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorophenol	44	44	10 - 65
Phenol-d5	28	29	10 - 48
Nitrobenzene-d5	88	94	56 - 112
2-Fluorobiphenyl	88	89	53 - 108
2,4,6-Tribromophenol	87	92	46 - 122
Terphenyl-d14	100	89	50 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 240-79226

Method: 625
Preparation: 625

Lab Sample ID:	MB 240-79226/2-A	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-79226	Lab File ID:	30326022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 1750	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	ND		0.28	10
1,2-Dichlorobenzene	ND		0.29	10
1,3-Dichlorobenzene	ND		0.80	10
1,4-Dichlorobenzene	ND		0.34	10
2,4,6-Trichlorophenol	ND		0.80	10
2,4-Dichlorophenol	ND		0.80	10
2,4-Dimethylphenol	ND		0.80	10
2,4-Dinitrophenol	ND		2.4	50
2,4-Dinitrotoluene	ND		0.27	10
2,6-Dinitrotoluene	ND		0.80	10
2-Chloronaphthalene	ND		0.10	10
2-Chlorophenol	ND		0.29	10
2-Nitrophenol	ND		0.28	10
3,3'-Dichlorobenzidine	ND		0.37	10
4,6-Dinitro-2-methylphenol	ND		2.4	50
4-Bromophenyl phenyl ether	ND		0.80	10
4-Chlorophenyl phenyl ether	ND		0.30	10
4-Nitrophenol	ND		2.4	50
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzidine	ND		2.4	100
Benzo[a]anthracene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Benzo[b]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Bis(2-chloroethoxy)methane	ND		0.32	10
Bis(2-chloroethyl)ether	ND		0.10	10
Bis(2-ethylhexyl) phthalate	ND		0.80	10
2,2'-oxybis[1-chloropropane]	ND		0.40	10
Butyl benzyl phthalate	ND		0.80	10
Chrysene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Diethyl phthalate	ND		0.60	10
Dimethyl phthalate	ND		0.29	10
Di-n-butyl phthalate	ND		0.67	10
Di-n-octyl phthalate	ND		0.80	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Hexachlorobenzene	ND		0.10	10
Hexachlorobutadiene	ND		0.27	10
Hexachlorocyclopentadiene	ND		0.80	10
Hexachloroethane	ND		0.80	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 240-79226

Method: 625
Preparation: 625

Lab Sample ID:	MB 240-79226/2-A	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-79226	Lab File ID:	30326022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 1750	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isophorone	ND		0.27	10
Naphthalene	ND		0.10	10
Nitrobenzene	ND		0.040	10
N-Nitrosodimethylamine	ND		0.31	10
N-Nitrosodi-n-propylamine	ND		0.80	10
N-Nitrosodiphenylamine	ND		0.31	10
4-Chloro-3-methylphenol	ND		0.80	10
Pentachlorophenol	ND		2.4	10
Phenanthrene	ND		0.10	10
Phenol	ND		0.60	10
Pyrene	ND		0.10	10
2,4,5-Trichlorophenol	ND		0.30	10
N-Nitrosodiethylamine	ND		0.76	10
Pentachlorobenzene	ND		0.71	10
N-Nitrosopyrrolidine	ND		0.74	10
1,2-Diphenylhydrazine	ND		0.29	10
1,2,4,5-Tetrachlorobenzene	ND		0.55	10
N-Nitrosodi-n-butylamine	ND		0.81	10

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	52	10 - 135
2,4,6-Tribromophenol	73	10 - 142
Nitrobenzene-d5	91	44 - 110
Phenol-d5	34	10 - 132
Terphenyl-d14	108	24 - 135
2-Fluorobiphenyl (Surr)	88	38 - 110

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample - Batch: 240-79226

Method: 625
Preparation: 625

Lab Sample ID:	LCS 240-79226/3-A	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-79226	Lab File ID:	30326023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 1814	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	20.0	14.1	70	44 - 142	
1,2-Dichlorobenzene	20.0	14.9	75	32 - 129	
1,3-Dichlorobenzene	20.0	14.6	73	0 - 172	
1,4-Dichlorobenzene	20.0	12.2	61	20 - 124	
2,4-Dichlorophenol	20.0	12.4	62	39 - 135	
2,4-Dimethylphenol	20.0	10.3	51	32 - 119	
2,4-Dinitrophenol	20.0	8.02	40	0 - 191	J
2,4-Dinitrotoluene	20.0	18.1	91	39 - 139	
2,6-Dinitrotoluene	20.0	17.7	89	50 - 158	
2-Chloronaphthalene	20.0	14.4	72	60 - 118	
2-Chlorophenol	20.0	12.3	61	23 - 134	
2-Nitrophenol	20.0	13.3	67	29 - 182	
3,3'-Dichlorobenzidine	20.0	10.1	50	0 - 262	
4,6-Dinitro-2-methylphenol	20.0	10.8	54	0 - 181	J
4-Bromophenyl phenyl ether	20.0	15.3	77	53 - 127	
4-Chlorophenyl phenyl ether	20.0	15.2	76	25 - 158	
4-Nitrophenol	20.0	4.91	25	0 - 132	J
Acenaphthene	20.0	15.6	78	47 - 145	
Acenaphthylene	20.0	16.2	81	33 - 145	
Anthracene	20.0	17.4	87	27 - 133	
Benzo[a]anthracene	20.0	16.4	82	33 - 143	
Benzo[a]pyrene	20.0	16.6	83	17 - 163	
Benzo[b]fluoranthene	20.0	16.1	80	24 - 159	
Benzo[g,h,i]perylene	20.0	16.8	84	0 - 219	
Benzo[k]fluoranthene	20.0	16.9	85	11 - 162	
Bis(2-chloroethoxy)methane	20.0	14.9	75	33 - 184	
Bis(2-chloroethyl)ether	20.0	15.3	77	12 - 158	
Bis(2-ethylhexyl) phthalate	20.0	16.8	84	8 - 158	
Butyl benzyl phthalate	20.0	17.2	86	0 - 152	
Chrysene	20.0	17.2	86	17 - 168	
Dibenz(a,h)anthracene	20.0	16.6	83	0 - 227	
Diethyl phthalate	20.0	16.0	80	0 - 114	
Dimethyl phthalate	20.0	14.5	72	0 - 112	
Di-n-butyl phthalate	20.0	16.5	83	1 - 118	
Di-n-octyl phthalate	20.0	15.9	79	4 - 146	
Fluoranthene	20.0	17.1	85	26 - 137	
Fluorene	20.0	16.0	80	59 - 121	
Hexachlorobenzene	20.0	14.6	73	0 - 152	
Hexachlorobutadiene	20.0	14.0	70	24 - 116	
Hexachloroethane	20.0	15.1	75	40 - 113	
Indeno[1,2,3-cd]pyrene	20.0	15.7	79	0 - 171	
Isophorone	20.0	16.1	80	21 - 196	
Naphthalene	20.0	15.4	77	21 - 133	
Nitrobenzene	20.0	15.6	78	35 - 180	
N-Nitrosodi-n-propylamine	20.0	14.9	74	0 - 230	
4-Chloro-3-methylphenol	20.0	12.2	61	22 - 147	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample - Batch: 240-79226

Method: 625
Preparation: 625

Lab Sample ID:	LCS 240-79226/3-A	Analysis Batch:	240-79448	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-79226	Lab File ID:	30326023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 1814	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/23/2013 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Pentachlorophenol	20.0	11.6	58	14 - 176	
Phenanthrene	20.0	16.2	81	54 - 120	
Phenol	20.0	5.78	29	5 - 112	J
Pyrene	20.0	16.6	83	52 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	42	10 - 135
2,4,6-Tribromophenol	65	10 - 142
Nitrobenzene-d5	77	44 - 110
Phenol-d5	28	10 - 132
Terphenyl-d14	81	24 - 135
2-Fluorobiphenyl (Surr)	69	38 - 110

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 180-66997

Method: 608
Preparation: 608

Lab Sample ID:	MB 180-66997/1-A	Analysis Batch:	180-67227	Instrument ID:	GC8
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	P0330835.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1429	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.0025	0.010
PCB-1221	ND		0.0025	0.010
PCB-1232	ND		0.0029	0.010
PCB-1242	ND		0.0019	0.010
PCB-1248	ND		0.0023	0.010
PCB-1254	ND		0.0014	0.010
PCB-1260	ND		0.0014	0.010

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	117	36 - 129
DCB Decachlorobiphenyl (Surr)	102	57 - 144

Method Blank - Batch: 180-66997

Method: 608
Preparation: 608

Lab Sample ID:	MB 180-66997/1-A	Analysis Batch:	180-67287	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	AQ0313000911.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/25/2013 1711	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Mirex	ND		0.00048	0.0013

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 180-66997

Method: 608
Preparation: 608

Lab Sample ID:	MB 180-66997/1-A	Analysis Batch:	180-67462	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	AQ0313000994.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 2118	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	ND		0.00083	0.0013
alpha-BHC	ND		0.00066	0.0013
beta-BHC	ND		0.0010	0.0013
gamma-BHC (Lindane)	ND		0.00080	0.0013
delta-BHC	ND		0.00038	0.0013
Chlordane (technical)	ND		0.0017	0.013
4,4'-DDD	ND		0.00067	0.0013
4,4'-DDE	ND		0.00079	0.0013
4,4'-DDT	ND		0.00074	0.0013
Dieldrin	ND		0.00082	0.0013
Endosulfan I	ND		0.00094	0.0013
Endosulfan II	ND		0.00098	0.0013
Endosulfan sulfate	ND		0.00057	0.0013
Endrin	ND		0.00096	0.0013
Endrin aldehyde	ND		0.00090	0.0013
Heptachlor	ND		0.00099	0.0013
Heptachlor epoxide	ND		0.00097	0.0013
Methoxychlor	ND		0.00091	0.0025
Toxaphene	ND		0.019	0.050

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	93	36 - 129
DCB Decachlorobiphenyl (Surr)	81	57 - 144

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	90	36 - 129
DCB Decachlorobiphenyl (Surr)	79	57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-66997

Method: 608
Preparation: 608

LCS Lab Sample ID:	LCS 180-66997/4-A	Analysis Batch:	180-67227	Instrument ID:	GC8
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	P0330836.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1454	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 180-66997/5-A	Analysis Batch:	180-67227	Instrument ID:	GC8
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	P0330837.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1518	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	97	101	50 - 114	5	20		
PCB-1260	97	101	10 - 127	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	105	109	36 - 129
DCB Decachlorobiphenyl (Surr)	99	102	57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-66997

Method: 608
Preparation: 608

LCS Lab Sample ID:	LCS 180-66997/2-A	Analysis Batch:	180-67462	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	AQ0313000995.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 2134	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 180-66997/3-A	Analysis Batch:	180-67462	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-66997	Lab File ID:	AQ0313000996.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/26/2013 2149	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	03/21/2013 1340			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aldrin	80	69	42 - 122	16	20		
alpha-BHC	79	73	37 - 134	7	20		
beta-BHC	81	73	17 - 147	10	26		
gamma-BHC (Lindane)	82	74	32 - 127	10	20		
delta-BHC	66	57	19 - 140	15	23		
4,4'-DDD	80	63	31 - 141	24	23		*
4,4'-DDE	77	62	30 - 145	21	22		
4,4'-DDT	83	64	25 - 160	28	27		
Dieldrin	77	63	36 - 146	21	23		
Endosulfan I	78	65	45 - 153	19	22		
Endosulfan II	77	62	10 - 202	22	44		
Endosulfan sulfate	77	57	26 - 144	29	24		*
Endrin	80	62	30 - 147	24	24		
Endrin aldehyde	82	63	56 - 125	25	32		
Heptachlor	86	76	34 - 111	12	20		
Heptachlor epoxide	80	68	37 - 142	16	20		
Methoxychlor	85	66	65 - 135	27	29		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	88	83	36 - 129
DCB Decachlorobiphenyl (Surr)	82	66	57 - 144

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	88	82	36 - 129
DCB Decachlorobiphenyl (Surr)	82	65	57 - 144

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-66997

Method: 608
Preparation: 608

LCS Lab Sample ID:	LCS 180-66997/4-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-66997/5-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/22/2013 1454			Analysis Date:	03/22/2013 1518
Prep Date:	03/21/2013 1340			Prep Date:	03/21/2013 1340
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	1.00	1.00	0.968	1.01
PCB-1260	1.00	1.00	0.975	1.01

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-66997

Method: 608
Preparation: 608

LCS Lab Sample ID:	LCS 180-66997/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-66997/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/26/2013 2134			Analysis Date:	03/26/2013 2149
Prep Date:	03/21/2013 1340			Prep Date:	03/21/2013 1340
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
Aldrin	0.0250	0.0250	0.0201	0.0172	
alpha-BHC	0.0250	0.0250	0.0197	0.0183	
beta-BHC	0.0250	0.0250	0.0203	0.0183	
gamma-BHC (Lindane)	0.0250	0.0250	0.0204	0.0184	
delta-BHC	0.0250	0.0250	0.0165	0.0143	
4,4'-DDD	0.0250	0.0250	0.0200	0.0156	*
4,4'-DDE	0.0250	0.0250	0.0192	0.0156	
4,4'-DDT	0.0250	0.0250	0.0207	0.0161	
Dieldrin	0.0250	0.0250	0.0193	0.0156	
Endosulfan I	0.0250	0.0250	0.0196	0.0161	
Endosulfan II	0.0250	0.0250	0.0194	0.0155	
Endosulfan sulfate	0.0250	0.0250	0.0192	0.0143	*
Endrin	0.0250	0.0250	0.0199	0.0156	
Endrin aldehyde	0.0250	0.0250	0.0204	0.0159	
Heptachlor	0.0250	0.0250	0.0214	0.0190	
Heptachlor epoxide	0.0250	0.0250	0.0200	0.0171	
Methoxychlor	0.0250	0.0250	0.0214	0.0165	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 180-66996

Method: 8141A
Preparation: 3510C

Lab Sample ID:	MB 180-66996/1-A	Analysis Batch:	180-67073	Instrument ID:	GC5
Client Matrix:	Water	Prep Batch:	180-66996	Lab File ID:	aj0330144.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1139	Units:	ug/L	Final Weight/Volume:	5.0 mL
Prep Date:	03/21/2013 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Guthion	ND		0.11	1.0
Chlorpyrifos	ND		0.10	1.0
Demeton, Total	ND		0.16	2.0
Demeton-O	ND		0.094	1.0
Demeton-S	ND		0.071	1.0
Malathion	ND		0.11	1.0
Parathion	ND		0.16	1.0

Surrogate	% Rec	Acceptance Limits
Triphenylphosphate	85	45 - 145
Tributyl phosphate	86	49 - 122

Surrogate	% Rec	Acceptance Limits
Triphenylphosphate	83	45 - 145
Tributyl phosphate	82	49 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-66996

Method: 8141A
Preparation: 3510C

LCS Lab Sample ID:	LCS 180-66996/2-A	Analysis Batch:	180-67073	Instrument ID:	GC5
Client Matrix:	Water	Prep Batch:	180-66996	Lab File ID:	aj0330145.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1207	Units:	ug/L	Final Weight/Volume:	5.0 mL
Prep Date:	03/21/2013 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 180-66996/3-A	Analysis Batch:	180-67073	Instrument ID:	GC5
Client Matrix:	Water	Prep Batch:	180-66996	Lab File ID:	aj0330146.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/22/2013 1236	Units:	ug/L	Final Weight/Volume:	5.0 mL
Prep Date:	03/21/2013 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Guthion	118	117	40 - 150	1	30		
Chlorpyrifos	101	103	50 - 130	2	25		
Demeton-O	110	112	10 - 150	2	30		
Demeton-S	107	107	10 - 150	0	30		
Malathion	106	106	50 - 150	0	30		
Parathion	103	105	56 - 125	2	21		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Triphenylphosphate	100	97	45 - 145
Tributyl phosphate	107	107	49 - 122

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Triphenylphosphate	96	94	45 - 145
Tributyl phosphate	108	108	49 - 122

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-66996

Method: 8141A
Preparation: 3510C

LCS Lab Sample ID:	LCS 180-66996/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-66996/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/22/2013 1207			Analysis Date:	03/22/2013 1236
Prep Date:	03/21/2013 1330			Prep Date:	03/21/2013 1330
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Guthion	10.0	10.0	11.8	11.7
Chlorpyrifos	10.0	10.0	10.1	10.3
Demeton-O	10.0	10.0	11.0	11.2
Demeton-S	10.0	10.0	10.7	10.7
Malathion	10.0	10.0	10.6	10.6
Parathion	10.0	10.0	10.3	10.5

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	MB 460-152271/1-A ^5	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	0226CCB.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0402	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Antimony	ND		1.8	2.5
Arsenic	ND		1.8	2.5
Beryllium	ND		0.90	1.0
Cadmium	ND		1.9	2.5
Chromium	ND		4.0	5.0
Copper	ND		3.8	5.0
Lead	ND		1.2	1.5
Nickel	ND		4.1	5.0
Selenium	ND		1.9	2.5
Silver	ND		3.8	5.0
Thallium	ND		0.75	1.0
Zinc	ND		15	20
Iron	ND		130	150

Lab Control Sample - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	LCS 460-152271/2-A ^5	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	023SMPL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0406	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	25.0	25.5	102	85 - 115	
Arsenic	50.0	49.9	100	85 - 115	
Beryllium	25.0	24.5	98	85 - 115	
Cadmium	25.0	24.0	96	85 - 115	
Chromium	50.0	49.6	99	85 - 115	
Copper	50.0	48.9	98	85 - 115	
Lead	25.0	25.7	103	85 - 115	
Nickel	50.0	48.6	97	85 - 115	
Selenium	50.0	50.6	101	85 - 115	
Silver	25.0	24.7	99	85 - 115	
Thallium	20.0	19.4	97	85 - 115	
Zinc	250	251	100	85 - 115	
Iron	2500	2780	111	85 - 115	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Post Digestion Spike - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	460-52748-D-1-A PDS ^5	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	024SMPL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0409	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	4.3		25.0	27.7	94	75 - 125	
Arsenic	2.6		50.0	53.2	101	75 - 125	
Beryllium	ND		25.0	23.9	96	75 - 125	
Cadmium	ND		25.0	24.1	97	75 - 125	
Chromium	ND		50.0	49.5	99	75 - 125	
Copper	4.9	J	50.0	52.4	95	75 - 125	
Lead	ND		25.0	25.3	101	75 - 125	
Nickel	ND		50.0	47.1	94	75 - 125	
Selenium	ND		50.0	53.1	106	75 - 125	
Silver	ND		25.0	22.7	91	75 - 125	
Thallium	ND		20.0	19.8	99	75 - 125	
Zinc	ND		250	242	97	75 - 125	
Iron	ND		2500	2790	112	75 - 125	

Matrix Spike - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	460-52642-1	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	030SMPL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0431	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	ND	25.0	25.1	101	70 - 130	
Arsenic	ND	50.0	50.0	100	70 - 130	
Beryllium	ND	25.0	26.5	106	70 - 130	
Cadmium	ND	25.0	24.9	100	70 - 130	
Chromium	ND	50.0	47.7	95	70 - 130	
Copper	ND	50.0	47.3	95	70 - 130	
Lead	ND	25.0	25.1	100	70 - 130	
Nickel	ND	50.0	46.2	92	70 - 130	
Selenium	ND	50.0	47.0	94	70 - 130	
Silver	ND	25.0	24.1	96	70 - 130	
Thallium	ND	20.0	19.2	96	70 - 130	
Zinc	ND	250	254	102	70 - 130	
Iron	8400	2500	11000	105	70 - 130	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Duplicate - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	460-52748-D-1-B DU ^5	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	026SMPL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0417	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Antimony	4.3		4.44	4	20	
Arsenic	2.6		2.04	23	20	J
Beryllium	ND		ND	NC	20	
Cadmium	ND		ND	NC	20	
Chromium	ND		ND	NC	20	
Copper	4.9	J	5.31	8	20	
Lead	ND		ND	NC	20	
Nickel	ND		ND	NC	20	
Selenium	ND		ND	NC	20	
Silver	ND		ND	NC	20	
Thallium	ND		ND	NC	20	
Zinc	ND		ND	NC	20	
Iron	ND		ND	NC	20	

Serial Dilution - Batch: 460-152271

Method: 200.8
Preparation: 200.8
Total Recoverable

Lab Sample ID:	460-52748-D-1-A SD ^25	Analysis Batch:	460-152605	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-152271	Lab File ID:	028SMPL.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/25/2013 0424	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	03/22/2013 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	4.3		ND	NC		
Arsenic	2.6		ND	NC		
Beryllium	ND		ND	NC		
Cadmium	ND		ND	NC		
Chromium	ND		ND	NC		
Copper	4.9	J	ND	NC		
Lead	ND		ND	NC		
Nickel	ND		ND	NC		
Selenium	ND		ND	NC		
Silver	ND		ND	NC		
Thallium	ND		ND	NC		
Zinc	ND		ND	NC		
Iron	ND		ND	NC		

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152172

Method: 245.1
Preparation: 245.1

Lab Sample ID:	MB 460-152172/11-A	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2020	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.16	0.20

Lab Control Sample - Batch: 460-152172

Method: 245.1
Preparation: 245.1

Lab Sample ID:	LCS 460-152172/12-A	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2022	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.00	2.02	101	85 - 115	

Matrix Spike - Batch: 460-152172

Method: 245.1
Preparation: 245.1

Lab Sample ID:	460-52706-H-2-D MS	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2028	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	ND	2.00	2.15	108	70 - 130	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Duplicate - Batch: 460-152172

Method: 245.1
Preparation: 245.1

Lab Sample ID:	460-52706-H-2-C DU	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2026	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Serial Dilution - Batch: 460-152172

Method: 245.1
Preparation: 245.1

Lab Sample ID:	460-52706-H-2-B SD ^5	Analysis Batch:	460-152211	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-152172	Lab File ID:	152172HG1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/21/2013 2114	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/21/2013 1730				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	ND	ND	NC		

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152042

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-152042/1-A	Analysis Batch:	460-152069	Instrument ID:	Lachat3
Client Matrix:	Water	Prep Batch:	460-152042	Lab File ID:	OM_3-21-2013_10-08-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1031	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	03/21/2013 0900				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0040	0.010

Low Level Control Sample - Batch: 460-152042

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-152042/2-A	Analysis Batch:	460-152069	Instrument ID:	Lachat3
Client Matrix:	Water	Prep Batch:	460-152042	Lab File ID:	OM_3-21-2013_10-08-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1032	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	03/21/2013 0900				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.100	0.107	107	90 - 110	

High Level Control Sample - Batch: 460-152042

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-152042/3-A	Analysis Batch:	460-152069	Instrument ID:	Lachat3
Client Matrix:	Water	Prep Batch:	460-152042	Lab File ID:	OM_3-21-2013_10-08-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1033	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	03/21/2013 0900				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.200	0.207	104	90 - 110	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152042

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	460-52675-F-1-B MS	Analysis Batch:	460-152069	Instrument ID:	Lachat3
Client Matrix:	Water	Prep Batch:	460-152042	Lab File ID:	OM_3-21-2013_10-08-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1035			Final Weight/Volume:	5 mL
Prep Date:	03/21/2013 0900				
Leach Date:	N/A				

MSD Lab Sample ID:	460-52675-F-1-C MSD	Analysis Batch:	460-152069	Instrument ID:	Lachat3
Client Matrix:	Water	Prep Batch:	460-152042	Lab File ID:	OM_3-21-2013_10-08-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/21/2013 1036			Final Weight/Volume:	5 mL
Prep Date:	03/21/2013 0900				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	105	106	90 - 110	0	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152042

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	460-52675-F-1-B MS	Units: mg/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	03/21/2013 1035		
Prep Date:	03/21/2013 0900		
Leach Date:	N/A		

MSD Lab Sample ID:	460-52675-F-1-C MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	03/21/2013 1036
Prep Date:	03/21/2013 0900
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cyanide, Total	ND	0.200	0.200	0.210	0.211

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-150908

Method: 9065
Preparation: Distill/Phenol

Lab Sample ID:	MB 460-150908/1-A	Analysis Batch:	460-151092	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-150908	Lab File ID:	KL031413.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/14/2013 0805	Units:	mg/L	Final Weight/Volume:	50.0 mL
Prep Date:	03/13/2013 0700				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Phenols, Total	ND		0.050	0.050

Lab Control Sample - Batch: 460-150908

Method: 9065
Preparation: Distill/Phenol

Lab Sample ID:	LCS 460-150908/2-A	Analysis Batch:	460-151092	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-150908	Lab File ID:	KL031413.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/14/2013 0805	Units:	mg/L	Final Weight/Volume:	50.0 mL
Prep Date:	03/13/2013 0700				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenols, Total	0.400	0.409	102	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-150908

Method: 9065
Preparation: Distill/Phenol

MS Lab Sample ID:	460-52095-P-1-A MS	Analysis Batch:	460-151092	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-150908	Lab File ID:	KL031413.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/14/2013 0805			Final Weight/Volume:	50.0 mL
Prep Date:	03/13/2013 0700				
Leach Date:	N/A				

MSD Lab Sample ID:	460-52095-P-1-B MSD	Analysis Batch:	460-151092	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-150908	Lab File ID:	KL031413.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/14/2013 0805			Final Weight/Volume:	50.0 mL
Prep Date:	03/13/2013 0700				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenols, Total	103	106	85 - 115	4	16		

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-150908

Method: 9065
Preparation: Distill/Phenol

MS Lab Sample ID:	460-52095-P-1-A MS	Units: mg/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	03/14/2013 0805		
Prep Date:	03/13/2013 0700		
Leach Date:	N/A		

MSD Lab Sample ID:	460-52095-P-1-B MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	03/14/2013 0805
Prep Date:	03/13/2013 0700
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Phenols, Total	ND	0.400	0.400	0.411	0.426

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152267

Method: 9065
Preparation: Distill/Phenol

Lab Sample ID:	MB 460-152267/1-A	Analysis Batch:	460-152390	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-152267	Lab File ID:	kl032213confirmation.xl
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/22/2013 1819	Units:	mg/L	Final Weight/Volume:	50.0 mL
Prep Date:	03/22/2013 0700				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Phenols, Total	ND		0.050	0.050

Lab Control Sample - Batch: 460-152267

Method: 9065
Preparation: Distill/Phenol

Lab Sample ID:	LCS 460-152267/2-A	Analysis Batch:	460-152390	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	460-152267	Lab File ID:	kl032213confirmation.xl
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 mL
Analysis Date:	03/22/2013 1819	Units:	mg/L	Final Weight/Volume:	50.0 mL
Prep Date:	03/22/2013 0700				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenols, Total	0.400	0.541	135	90 - 110	*

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Method Blank - Batch: 460-152658

Method: SM 4500 Cl- E
Preparation: N/A

Lab Sample ID:	MB 460-152658/5	Analysis Batch:	460-152658	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL032513A.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1253	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloride	ND		2.9	5.0

LCS-Certified Reference Material - Batch: 460-152658

Method: SM 4500 Cl- E
Preparation: N/A

Lab Sample ID:	LCSSRM 460-152658/6	Analysis Batch:	460-152658	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL032513A.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1253	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	53.0	50.1	94.6	88.9 - 105.8	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152658

Method: SM 4500 Cl- E
Preparation: N/A

MS Lab Sample ID:	460-52838-E-1 MS	Analysis Batch:	460-152658	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL032513A.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1253			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	460-52838-E-1 MSD	Analysis Batch:	460-152658	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL032513A.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1253			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	100	100	90 - 110	0	10		

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-152658

Method: SM 4500 Cl- E
Preparation: N/A

MS Lab Sample ID:	460-52838-E-1 MS	Units: mg/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	03/25/2013 1253		
Prep Date:	N/A		
Leach Date:	N/A		

MSD Lab Sample ID:	460-52838-E-1 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	03/25/2013 1253
Prep Date:	N/A
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloride	55	50.0	50.0	105	105

DATA REPORTING QUALIFIERS

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	*	LCS or LCSD exceeds the control limits

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-152136					
LCS 460-152136/3	Lab Control Sample	T	Water	624	
MB 460-152136/4	Method Blank	T	Water	624	
460-52471-A-15 MS	Matrix Spike	T	Water	624	
460-52471-A-15 MSD	Matrix Spike Duplicate	T	Water	624	
460-52642-1	INFLUENT	T	Water	624	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-79226					
LCS 240-79226/3-A	Lab Control Sample	T	Water	625	
MB 240-79226/2-A	Method Blank	T	Water	625	
460-52642-1	INFLUENT	T	Water	625	
Analysis Batch:240-79448					
LCS 240-79226/3-A	Lab Control Sample	T	Water	625	240-79226
MB 240-79226/2-A	Method Blank	T	Water	625	240-79226
460-52642-1	INFLUENT	T	Water	625	240-79226
Prep Batch: 460-152013					
LCS 460-152013/2-A	Lab Control Sample	T	Water	625	
LCSD 460-152013/3-A	Lab Control Sample Duplicate	T	Water	625	
MB 460-152013/1-A	Method Blank	T	Water	625	
460-52642-1	INFLUENT	T	Water	625	
Analysis Batch:460-152058					
LCS 460-152013/2-A	Lab Control Sample	T	Water	625	460-152013
LCSD 460-152013/3-A	Lab Control Sample Duplicate	T	Water	625	460-152013
MB 460-152013/1-A	Method Blank	T	Water	625	460-152013
460-52642-1	INFLUENT	T	Water	625	460-152013

Report Basis
T = Total

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 180-66996					
LCS 180-66996/2-A	Lab Control Sample	T	Water	3510C	
LCSD 180-66996/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 180-66996/1-A	Method Blank	T	Water	3510C	
460-52642-1	INFLUENT	T	Water	3510C	
Prep Batch: 180-66997					
LCS 180-66997/2-A	Lab Control Sample	T	Water	608	
LCS 180-66997/4-A	Lab Control Sample	T	Water	608	
LCSD 180-66997/3-A	Lab Control Sample Duplicate	T	Water	608	
LCSD 180-66997/5-A	Lab Control Sample Duplicate	T	Water	608	
MB 180-66997/1-A	Method Blank	T	Water	608	
460-52642-1	INFLUENT	T	Water	608	
Analysis Batch:180-67073					
LCS 180-66996/2-A	Lab Control Sample	T	Water	8141A	180-66996
LCSD 180-66996/3-A	Lab Control Sample Duplicate	T	Water	8141A	180-66996
MB 180-66996/1-A	Method Blank	T	Water	8141A	180-66996
460-52642-1	INFLUENT	T	Water	8141A	180-66996
Analysis Batch:180-67227					
LCS 180-66997/4-A	Lab Control Sample	T	Water	608	180-66997
LCSD 180-66997/5-A	Lab Control Sample Duplicate	T	Water	608	180-66997
MB 180-66997/1-A	Method Blank	T	Water	608	180-66997
460-52642-1	INFLUENT	T	Water	608	180-66997
Analysis Batch:180-67287					
LCS 180-66997/2-A	Lab Control Sample	T	Water	608	180-66997
LCSD 180-66997/3-A	Lab Control Sample Duplicate	T	Water	608	180-66997
MB 180-66997/1-A	Method Blank	T	Water	608	180-66997
460-52642-1	INFLUENT	T	Water	608	180-66997
Analysis Batch:180-67462					
LCS 180-66997/2-A	Lab Control Sample	T	Water	608	180-66997
LCSD 180-66997/3-A	Lab Control Sample Duplicate	T	Water	608	180-66997
MB 180-66997/1-A	Method Blank	T	Water	608	180-66997
460-52642-1	INFLUENT	T	Water	608	180-66997

Report Basis

T = Total

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-152172					
LCS 460-152172/12-A	Lab Control Sample	T	Water	245.1	
MB 460-152172/11-A	Method Blank	T	Water	245.1	
460-52642-1	INFLUENT	T	Water	245.1	
460-52706-H-2-C DU	Duplicate	T	Water	245.1	
460-52706-H-2-D MS	Matrix Spike	T	Water	245.1	
Analysis Batch:460-152211					
LCS 460-152172/12-A	Lab Control Sample	T	Water	245.1	460-152172
MB 460-152172/11-A	Method Blank	T	Water	245.1	460-152172
460-52642-1	INFLUENT	T	Water	245.1	460-152172
460-52706-H-2-C DU	Duplicate	T	Water	245.1	460-152172
460-52706-H-2-D MS	Matrix Spike	T	Water	245.1	460-152172
Prep Batch: 460-152271					
LCS 460-152271/2-A ^5	Lab Control Sample	R	Water	200.8	
MB 460-152271/1-A ^5	Method Blank	R	Water	200.8	
460-52642-1	INFLUENT	R	Water	200.8	
460-52642-1MS	Matrix Spike	R	Water	200.8	
460-52748-D-1-B DU ^5	Duplicate	R	Water	200.8	
Analysis Batch:460-152605					
LCS 460-152271/2-A ^5	Lab Control Sample	R	Water	200.8	460-152271
MB 460-152271/1-A ^5	Method Blank	R	Water	200.8	460-152271
460-52642-1	INFLUENT	R	Water	200.8	460-152271
460-52642-1MS	Matrix Spike	R	Water	200.8	460-152271
460-52748-D-1-B DU ^5	Duplicate	R	Water	200.8	460-152271

Report Basis

R = Total Recoverable

T = Total

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-150908					
LCS 460-150908/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 460-150908/1-A	Method Blank	T	Water	Distill/Phenol	
460-52095-P-1-A MS	Matrix Spike	T	Water	Distill/Phenol	
460-52095-P-1-B MSD	Matrix Spike Duplicate	T	Water	Distill/Phenol	
Analysis Batch:460-151092					
LCS 460-150908/2-A	Lab Control Sample	T	Water	9065	460-150908
MB 460-150908/1-A	Method Blank	T	Water	9065	460-150908
460-52095-P-1-A MS	Matrix Spike	T	Water	9065	460-150908
460-52095-P-1-B MSD	Matrix Spike Duplicate	T	Water	9065	460-150908
Prep Batch: 460-152042					
HLCS 460-152042/3-A	High Level Control Sample	T	Water	9012A	
LLCS 460-152042/2-A	Low Level Control Sample	T	Water	9012A	
MB 460-152042/1-A	Method Blank	T	Water	9012A	
460-52642-1	INFLUENT	T	Water	9012A	
460-52675-F-1-B MS	Matrix Spike	T	Water	9012A	
460-52675-F-1-C MSD	Matrix Spike Duplicate	T	Water	9012A	
Analysis Batch:460-152069					
HLCS 460-152042/3-A	High Level Control Sample	T	Water	9012A	460-152042
LLCS 460-152042/2-A	Low Level Control Sample	T	Water	9012A	460-152042
MB 460-152042/1-A	Method Blank	T	Water	9012A	460-152042
460-52642-1	INFLUENT	T	Water	9012A	460-152042
460-52675-F-1-B MS	Matrix Spike	T	Water	9012A	460-152042
460-52675-F-1-C MSD	Matrix Spike Duplicate	T	Water	9012A	460-152042
Prep Batch: 460-152267					
LCS 460-152267/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 460-152267/1-A	Method Blank	T	Water	Distill/Phenol	
460-52642-1	INFLUENT	T	Water	Distill/Phenol	
Analysis Batch:460-152390					
LCS 460-152267/2-A	Lab Control Sample	T	Water	9065	460-152267
MB 460-152267/1-A	Method Blank	T	Water	9065	460-152267
460-52642-1	INFLUENT	T	Water	9065	460-152267
Analysis Batch:460-152658					
LCSSRM 460-152658/6	LCS-Certified Reference Material	T	Water	SM 4500 Cl- E	
MB 460-152658/5	Method Blank	T	Water	SM 4500 Cl- E	
460-52642-1	INFLUENT	T	Water	SM 4500 Cl- E	
460-52838-E-1 MS	Matrix Spike	T	Water	SM 4500 Cl- E	
460-52838-E-1 MSD	Matrix Spike Duplicate	T	Water	SM 4500 Cl- E	

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Chronicle

Lab ID: **460-52642-1** **Client ID:** **INFLUENT**

Sample Date/Time: 03/20/2013 06:30 Received Date/Time: 03/20/2013 14:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	460-52642-B-1		460-152136		03/21/2013 14:55	1	TAL EDI	FJ
P:625	460-52642-I-1-A		460-152058	460-152013	03/21/2013 07:15	1	TAL EDI	JS
A:625	460-52642-I-1-A		460-152058	460-152013	03/21/2013 08:45	1	TAL EDI	MC
P:625	460-52642-H-1-A		240-79448	240-79226	03/23/2013 11:09	1	TAL NC	SE
A:625	460-52642-H-1-A		240-79448	240-79226	03/27/2013 08:03	1	TAL NC	JG
P:608	460-52642-F-1-A		180-67227	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	460-52642-F-1-A		180-67227	180-66997	03/22/2013 14:05	1	TAL PIT	AG
P:608	460-52642-F-1-A		180-67287	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	460-52642-F-1-A		180-67287	180-66997	03/25/2013 16:56	1	TAL PIT	JO
P:608	460-52642-F-1-A		180-67462	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	460-52642-F-1-A		180-67462	180-66997	03/26/2013 21:03	1	TAL PIT	lw
P:3510C	460-52642-G-1-A		180-67073	180-66996	03/21/2013 13:30	1	TAL PIT	CY
A:8141A	460-52642-G-1-A		180-67073	180-66996	03/22/2013 11:10	1	TAL PIT	DE
P:200.8	460-52642-E-1-B ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	460-52642-E-1-B ^5		460-152605	460-152271	03/25/2013 04:27	5	TAL EDI	VD
P:245.1	460-52642-E-1-A		460-152211	460-152172	03/21/2013 17:30	1	TAL EDI	TS
A:245.1	460-52642-E-1-A		460-152211	460-152172	03/21/2013 20:35	1	TAL EDI	TS
P:9012A	460-52642-D-1-A		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	460-52642-D-1-A		460-152069	460-152042	03/21/2013 10:43	1	TAL EDI	JAK
P:Distill/Phenol	460-52642-J-1-A		460-152390	460-152267	03/22/2013 07:00	1	TAL EDI	IA
A:9065	460-52642-J-1-A		460-152390	460-152267	03/22/2013 18:19	1	TAL EDI	MB
A:SM 4500 Cl- E	460-52642-D-1		460-152658		03/25/2013 12:53	1	TAL EDI	MB

Lab ID: **460-52642-1 MS** **Client ID:** **INFLUENT**

Sample Date/Time: 03/20/2013 06:30 Received Date/Time: 03/20/2013 14:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.8	460-52642-E-1-C MS ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	460-52642-E-1-C MS ^5		460-152605	460-152271	03/25/2013 04:31	5	TAL EDI	VD

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	MB 460-152136/4		460-152136		03/21/2013 12:14	1	TAL EDI	FJ
P:625	MB 460-152013/1-A		460-152058	460-152013	03/21/2013 07:15	1	TAL EDI	JS
A:625	MB 460-152013/1-A		460-152058	460-152013	03/21/2013 08:23	1	TAL EDI	MC
P:625	MB 240-79226/2-A		240-79448	240-79226	03/23/2013 11:09	1	TAL NC	SE
A:625	MB 240-79226/2-A		240-79448	240-79226	03/26/2013 17:50	1	TAL NC	JG
P:608	MB 180-66997/1-A		180-67227	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	MB 180-66997/1-A		180-67227	180-66997	03/22/2013 14:29	1	TAL PIT	AG
P:608	MB 180-66997/1-A		180-67287	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	MB 180-66997/1-A		180-67287	180-66997	03/25/2013 17:11	1	TAL PIT	JO
P:608	MB 180-66997/1-A		180-67462	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	MB 180-66997/1-A		180-67462	180-66997	03/26/2013 21:18	1	TAL PIT	lw
P:3510C	MB 180-66996/1-A		180-67073	180-66996	03/21/2013 13:30	1	TAL PIT	CY
A:8141A	MB 180-66996/1-A		180-67073	180-66996	03/22/2013 11:39	1	TAL PIT	DE
P:200.8	MB 460-152271/1-A ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	MB 460-152271/1-A ^5		460-152605	460-152271	03/25/2013 04:02	5	TAL EDI	VD
P:245.1	MB 460-152172/11-A		460-152211	460-152172	03/21/2013 17:30	1	TAL EDI	TS
A:245.1	MB 460-152172/11-A		460-152211	460-152172	03/21/2013 20:20	1	TAL EDI	TS
P:9012A	MB 460-152042/1-A		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	MB 460-152042/1-A		460-152069	460-152042	03/21/2013 10:31	1	TAL EDI	JAK
P:Distill/Phenol	MB 460-150908/1-A		460-151092	460-150908	03/13/2013 07:00	1	TAL EDI	IA
A:9065	MB 460-150908/1-A		460-151092	460-150908	03/14/2013 08:05	1	TAL EDI	MB
P:Distill/Phenol	MB 460-152267/1-A		460-152390	460-152267	03/22/2013 07:00	1	TAL EDI	IA
A:9065	MB 460-152267/1-A		460-152390	460-152267	03/22/2013 18:19	1	TAL EDI	MB
A:SM 4500 Cl- E	MB 460-152658/5		460-152658		03/25/2013 12:53	1	TAL EDI	MB

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	LCS 460-152136/3		460-152136		03/21/2013 10:37	1	TAL EDI	FJ
P:625	LCS 460-152013/2-A		460-152058	460-152013	03/21/2013 07:15	1	TAL EDI	JS
A:625	LCS 460-152013/2-A		460-152058	460-152013	03/21/2013 11:27	1	TAL EDI	MC
P:625	LCS 240-79226/3-A		240-79448	240-79226	03/23/2013 11:09	1	TAL NC	SE
A:625	LCS 240-79226/3-A		240-79448	240-79226	03/26/2013 18:14	1	TAL NC	JG
P:608	LCS 180-66997/4-A		180-67227	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCS 180-66997/4-A		180-67227	180-66997	03/22/2013 14:54	1	TAL PIT	AG
P:608	LCS 180-66997/2-A		180-67287	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCS 180-66997/2-A		180-67287	180-66997	03/25/2013 17:27	1	TAL PIT	JO
P:608	LCS 180-66997/2-A		180-67462	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCS 180-66997/2-A		180-67462	180-66997	03/26/2013 21:34	1	TAL PIT	lw
P:3510C	LCS 180-66996/2-A		180-67073	180-66996	03/21/2013 13:30	1	TAL PIT	CY
A:8141A	LCS 180-66996/2-A		180-67073	180-66996	03/22/2013 12:07	1	TAL PIT	DE
P:200.8	LCS 460-152271/2-A ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	LCS 460-152271/2-A ^5		460-152605	460-152271	03/25/2013 04:06	5	TAL EDI	VD
P:245.1	LCS 460-152172/12-A		460-152211	460-152172	03/21/2013 17:30	1	TAL EDI	TS
A:245.1	LCS 460-152172/12-A		460-152211	460-152172	03/21/2013 20:22	1	TAL EDI	TS
P:Distill/Phenol	LCS 460-150908/2-A		460-151092	460-150908	03/13/2013 07:00	1	TAL EDI	IA
A:9065	LCS 460-150908/2-A		460-151092	460-150908	03/14/2013 08:05	1	TAL EDI	MB
P:Distill/Phenol	LCS 460-152267/2-A		460-152390	460-152267	03/22/2013 07:00	1	TAL EDI	IA
A:9065	LCS 460-152267/2-A		460-152390	460-152267	03/22/2013 18:19	1	TAL EDI	MB

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:625	LCSD 460-152013/3-A		460-152058	460-152013	03/21/2013 07:15	1	TAL EDI	JS
A:625	LCSD 460-152013/3-A		460-152058	460-152013	03/21/2013 08:00	1	TAL EDI	MC
P:608	LCSD 180-66997/5-A		180-67227	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCSD 180-66997/5-A		180-67227	180-66997	03/22/2013 15:18	1	TAL PIT	AG
P:608	LCSD 180-66997/3-A		180-67287	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCSD 180-66997/3-A		180-67287	180-66997	03/25/2013 17:42	1	TAL PIT	JO
P:608	LCSD 180-66997/3-A		180-67462	180-66997	03/21/2013 13:40	1	TAL PIT	CY
A:608	LCSD 180-66997/3-A		180-67462	180-66997	03/26/2013 21:49	1	TAL PIT	lw
P:3510C	LCSD 180-66996/3-A		180-67073	180-66996	03/21/2013 13:30	1	TAL PIT	CY
A:8141A	LCSD 180-66996/3-A		180-67073	180-66996	03/22/2013 12:36	1	TAL PIT	DE

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 4500 Cl- E	LCSSRM 460-152658/6		460-152658		03/25/2013 12:53	1	TAL EDI	MB

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	LLCS 460-152042/2-A		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	LLCS 460-152042/2-A		460-152069	460-152042	03/21/2013 10:32	1	TAL EDI	JAK

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	HLCS 460-152042/3-A		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	HLCS 460-152042/3-A		460-152069	460-152042	03/21/2013 10:33	1	TAL EDI	JAK

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	460-52471-A-15 MS		460-152136		03/21/2013 12:55	10	TAL EDI	FJ
P:245.1	460-52706-H-2-D MS		460-152211	460-152172	03/21/2013 17:30	1	TAL EDI	TS
A:245.1	460-52706-H-2-D MS		460-152211	460-152172	03/21/2013 20:28	1	TAL EDI	TS
P:9012A	460-52675-F-1-B MS		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	460-52675-F-1-B MS		460-152069	460-152042	03/21/2013 10:35	1	TAL EDI	JAK
P:Distill/Phenol	460-52095-P-1-A MS		460-151092	460-150908	03/13/2013 07:00	1	TAL EDI	IA
A:9065	460-52095-P-1-A MS		460-151092	460-150908	03/14/2013 08:05	1	TAL EDI	MB
A:SM 4500 Cl- E	460-52838-E-1 MS		460-152658		03/25/2013 12:53	1	TAL EDI	MB

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	460-52471-A-15 MSD		460-152136		03/21/2013 13:14	10	TAL EDI	FJ
P:9012A	460-52675-F-1-C MSD		460-152069	460-152042	03/21/2013 09:00	1	TAL EDI	JAK
A:9012A	460-52675-F-1-C MSD		460-152069	460-152042	03/21/2013 10:36	1	TAL EDI	JAK
P:Distill/Phenol	460-52095-P-1-B MSD		460-151092	460-150908	03/13/2013 07:00	1	TAL EDI	IA
A:9065	460-52095-P-1-B MSD		460-151092	460-150908	03/14/2013 08:05	1	TAL EDI	MB
A:SM 4500 Cl- E	460-52838-E-1 MSD		460-152658		03/25/2013 12:53	1	TAL EDI	MB

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.8	460-52748-D-1-B DU ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	460-52748-D-1-B DU ^5		460-152605	460-152271	03/25/2013 04:17	5	TAL EDI	VD
P:245.1	460-52706-H-2-C DU		460-152211	460-152172	03/21/2013 17:30	1	TAL EDI	TS
A:245.1	460-52706-H-2-C DU		460-152211	460-152172	03/21/2013 20:26	1	TAL EDI	TS

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.8	460-52748-D-1-A PDS ^5		460-152605	460-152271	03/22/2013 10:07	5	TAL EDI	QY
A:200.8	460-52748-D-1-A PDS ^5		460-152605	460-152271	03/25/2013 04:09	5	TAL EDI	VD
P:200.8	460-52748-D-1-A SD ^25		460-152605	460-152271	03/22/2013 10:07	25	TAL EDI	QY
A:200.8	460-52748-D-1-A SD ^25		460-152605	460-152271	03/25/2013 04:24	25	TAL EDI	VD
P:245.1	460-52706-H-2-B SD ^5		460-152211	460-152172	03/21/2013 17:30	5	TAL EDI	TS
A:245.1	460-52706-H-2-B SD ^5		460-152211	460-152172	03/21/2013 21:14	5	TAL EDI	TS

Lab References:

TAL EDI = TestAmerica Edison

TAL NC = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

Method 624

Volatile Organic Compounds (GC/MS) by Method 624

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
INFLUENT	460-52642-1	100	88	96
	MB 460-152136/4	102	88	97
	LCS 460-152136/3	102	93	99
	460-52471-A-15 MS	97	91	98
	460-52471-A-15 MSD	95	93	97

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM II 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: a86012.d

Lab ID: LCS 460-152136/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	9.72	49	0-273	
Vinyl chloride	20.0	13.2	66	0-251	
Bromomethane	20.0	21.6	108	0-242	
Chloroethane	20.0	16.2	81	14-230	
1,1-Dichloroethene	20.0	21.0	105	0-234	
Methylene Chloride	20.0	17.5	88	0-221	
trans-1,2-Dichloroethene	20.0	19.8	99	54-156	
1,1-Dichloroethane	20.0	16.0	80	59-155	
Chloroform	20.0	20.1	101	51-138	
1,1,1-Trichloroethane	20.0	23.3	117	52-162	
Carbon tetrachloride	20.0	24.5	123	70-140	
Benzene	20.0	16.3	82	37-151	
1,2-Dichloroethane	20.0	18.2	91	49-155	
Trichloroethene	20.0	21.5	108	71-157	
1,2-Dichloropropane	20.0	13.7	68	0-210	
Bromodichloromethane	20.0	17.2	86	35-155	
2-Chloroethyl vinyl ether	20.0	4.51	23	0-305	
cis-1,3-Dichloropropene	20.0	15.2	76	0-227	
Toluene	20.0	17.2	86	47-150	
trans-1,3-Dichloropropene	20.0	16.6	83	17-183	
1,1,2-Trichloroethane	20.0	15.6	78	52-150	
Tetrachloroethene	20.0	21.8	109	64-148	
Dibromochloromethane	20.0	18.7	93	53-149	
Chlorobenzene	20.0	18.6	93	37-160	
Ethylbenzene	20.0	18.8	94	37-162	
Bromoform	20.0	19.9	100	45-169	
1,1,2,2-Tetrachloroethane	20.0	13.7	69	46-157	
Acrylonitrile	20.0	10.8	54	48-135	
Acrolein	40.0	30.0	75	10-163	
TBA	400	303	76	49-112	
MTBE	20.0	18.5	92	71-115	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: a86018.d

Lab ID: 460-52471-A-15 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Chloromethane	200	ND	91.9	46	0-273	
Vinyl chloride	200	ND	119	60	0-251	
Bromomethane	200	ND	208	104	0-242	
Chloroethane	200	ND	155	78	14-230	
1,1-Dichloroethene	200	ND	190	95	0-234	
Methylene Chloride	200	ND	167	84	0-221	
trans-1,2-Dichloroethene	200	ND	183	92	54-156	
1,1-Dichloroethane	200	ND	143	71	59-155	
Chloroform	200	ND	187	94	51-138	
1,1,1-Trichloroethane	200	ND	209	104	52-162	
Carbon tetrachloride	200	ND	216	108	70-140	
Benzene	200	ND	139	70	37-151	
1,2-Dichloroethane	200	2.6	170	84	49-155	
Trichloroethene	200	5.3	190	92	71-157	
1,2-Dichloropropane	200	ND	120	60	0-210	
Bromodichloromethane	200	ND	150	75	35-155	
2-Chloroethyl vinyl ether	200	ND	ND	0	0-305	
cis-1,3-Dichloropropene	200	ND	125	63	0-227	
Toluene	200	ND	151	75	47-150	
trans-1,3-Dichloropropene	200	ND	137	69	17-183	
1,1,2-Trichloroethane	200	ND	137	69	52-150	
Tetrachloroethene	200	440	445	1	64-148	F
Dibromochloromethane	200	ND	162	81	53-149	
Chlorobenzene	200	ND	165	82	37-160	
Ethylbenzene	200	ND	163	81	37-162	
Bromoform	200	ND	161	80	45-169	
1,1,2,2-Tetrachloroethane	200	ND	124	62	46-157	
Acrylonitrile	200	ND	130	65	48-135	
Acrolein	400	ND	286	72	10-163	
TBA	4000	ND	2640	66	49-112	
MTBE	200	ND	167	84	71-115	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: a86019.d

Lab ID: 460-52471-A-15 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloromethane	200	105	53	13	30	0-273	
Vinyl chloride	200	136	68	14	30	0-251	
Bromomethane	200	220	110	6	30	0-242	
Chloroethane	200	171	85	10	30	14-230	
1,1-Dichloroethene	200	211	105	10	30	0-234	
Methylene Chloride	200	189	95	12	30	0-221	
trans-1,2-Dichloroethene	200	203	102	10	30	54-156	
1,1-Dichloroethane	200	162	81	13	30	59-155	
Chloroform	200	210	105	11	30	51-138	
1,1,1-Trichloroethane	200	231	115	10	30	52-162	
Carbon tetrachloride	200	246	123	13	30	70-140	
Benzene	200	167	83	18	30	37-151	
1,2-Dichloroethane	200	190	94	11	30	49-155	
Trichloroethene	200	210	102	10	30	71-157	
1,2-Dichloropropane	200	142	71	17	30	0-210	
Bromodichloromethane	200	176	88	16	30	35-155	
2-Chloroethyl vinyl ether	200	ND	0	NC	30	0-305	
cis-1,3-Dichloropropene	200	157	78	22	30	0-227	
Toluene	200	181	90	18	30	47-150	
trans-1,3-Dichloropropene	200	167	84	20	30	17-183	
1,1,2-Trichloroethane	200	161	81	16	30	52-150	
Tetrachloroethene	200	473	15	6	30	64-148	F
Dibromochloromethane	200	193	97	18	30	53-149	
Chlorobenzene	200	194	97	16	30	37-160	
Ethylbenzene	200	194	97	17	30	37-162	
Bromoform	200	201	100	22	30	45-169	
1,1,2,2-Tetrachloroethane	200	140	70	12	30	46-157	
Acrylonitrile	200	148	74	13	30	48-135	
Acrolein	400	308	77	7	30	10-163	
TBA	4000	3050	76	14	30	49-112	
MTBE	200	191	95	13	30	71-115	

Column to be used to flag recovery and RPD values

FORM III 624

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab File ID: a86016.d Lab Sample ID: MB 460-152136/4

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

Instrument ID: VOAMS1 Date Analyzed: 03/21/2013 12:14

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-152136/3	a86012.d	03/21/2013 10:37
	460-52471-A-15 MS	a86018.d	03/21/2013 12:55
	460-52471-A-15 MSD	a86019.d	03/21/2013 13:14
INFLUENT	460-52642-1	a86024.d	03/21/2013 14:55

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab File ID: a85544.d BFB Injection Date: 03/12/2013

Instrument ID: VOAMS1 BFB Injection Time: 02:47

Analysis Batch No.: 150795

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.8	
75	30.0 - 60.0 % of mass 95	53.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.4	(0.6)1
174	50.0 - 120.00 % of mass 95	66.9	
175	5.0 - 9.0 % of mass 174	4.7	(7.0)1
176	95.0 - 101.0 % of mass 174	66.7	(99.8)1
177	5.0 - 9.0 % of mass 176	4.1	(6.2)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-150795/2	a85546.d	03/12/2013	03:28
	IC 460-150795/3	a85554.d	03/12/2013	07:14
	IC 460-150795/4	a85555.d	03/12/2013	07:34
	IC 460-150795/5	a85556.d	03/12/2013	07:54
	IC 460-150795/6	a85557.d	03/12/2013	08:14
	IC 460-150795/7	a85558.d	03/12/2013	08:34

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab File ID: a86009.d BFB Injection Date: 03/21/2013

Instrument ID: VOAMS1 BFB Injection Time: 09:36

Analysis Batch No.: 152136

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.4	
75	30.0 - 60.0 % of mass 95	45.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.8	
173	Less than 2.0 % of mass 174	0.7	(0.8)1
174	50.0 - 120.00 % of mass 95	83.1	
175	5.0 - 9.0 % of mass 174	5.4	(6.5)1
176	95.0 - 101.0 % of mass 174	80.4	(96.7)1
177	5.0 - 9.0 % of mass 176	6.8	(8.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-152136/2	a86011.d	03/21/2013	10:17
	LCS 460-152136/3	a86012.d	03/21/2013	10:37
	MB 460-152136/4	a86016.d	03/21/2013	12:14
	460-52471-A-15 MS	a86018.d	03/21/2013	12:55
	460-52471-A-15 MSD	a86019.d	03/21/2013	13:14
INFLUENT	460-52642-1	a86024.d	03/21/2013	14:55

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Sample No.: CCVIS 460-152136/2 Date Analyzed: 03/21/2013 10:17

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): a86011.d Heated Purge: (Y/N) N

Calibration ID: 20644

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		268651	5.36	190372	7.83	116324	9.23
UPPER LIMIT		537302	5.86	380744	8.33	232648	9.73
LOWER LIMIT		134326	4.86	95186	7.33	58162	8.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-152136/3		250740	5.36	176530	7.83	108756	9.21
MB 460-152136/4		217661	5.36	159267	7.83	92242	9.22
460-52471-A-15 MS		241607	5.36	175707	7.83	107278	9.21
460-52471-A-15 MSD		244369	5.36	172128	7.83	107720	9.21
460-52642-1	INFLUENT	234763	5.36	170447	7.83	106766	9.21

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 624

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: a86024.d

Analysis Method: 624 | Date Collected: 03/20/2013 06:30

Sample wt/vol: 5(mL) | Date Analyzed: 03/21/2013 14:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 152136 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	ND		1.0	0.10
75-01-4	Vinyl chloride	ND		1.0	0.14
74-83-9	Bromomethane	ND		1.0	0.18
75-00-3	Chloroethane	ND		1.0	0.17
75-35-4	1,1-Dichloroethene	ND		1.0	0.090
75-09-2	Methylene Chloride	ND		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.13
75-34-3	1,1-Dichloroethane	ND		1.0	0.13
67-66-3	Chloroform	ND		1.0	0.080
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.060
56-23-5	Carbon tetrachloride	ND		1.0	0.060
71-43-2	Benzene	ND		1.0	0.080
107-06-2	1,2-Dichloroethane	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.090
78-87-5	1,2-Dichloropropane	ND		1.0	0.090
75-27-4	Bromodichloromethane	ND		1.0	0.12
110-75-8	2-Chloroethyl vinyl ether	ND		1.0	0.34
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.18
108-88-3	Toluene	ND		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.24
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.19
127-18-4	Tetrachloroethene	ND		1.0	0.10
124-48-1	Dibromochloromethane	ND		1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.10
75-25-2	Bromoform	ND		1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.16
107-13-1	Acrylonitrile	ND		2.0	0.68
107-02-8	Acrolein	ND		4.0	1.3
75-65-0	TBA	ND		20	5.7
1634-04-4	MTBE	ND		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: a86024.d

Analysis Method: 624 | Date Collected: 03/20/2013 06:30

Sample wt/vol: 5(mL) | Date Analyzed: 03/21/2013 14:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 152136 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-130
2037-26-5	Toluene-d8 (Surr)	88		70-130
460-00-4	Bromofluorobenzene	96		70-130

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86024.d
Report Date: 21-Mar-2013 15:23

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86024.d
Lab Smp Id: 460-52642-B-1 Client Smp ID: INFLUENT
Inj Date : 21-MAR-2013 14:55
Operator : VOA GC/MS1 Inst ID: VOAMS1.i
Smp Info : 460-52642-B-1
Misc Info : 460-52642-B-1
Comment :
Method : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/624_09.m
Meth Date : 21-Mar-2013 10:37 jinf Quant Type: ISTD
Cal Date : 12-MAR-2013 08:34 Cal File: a85558.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
38 Cyclohexane	56	4.843	4.856	(0.904)	7703	1.73425	1.7
$ 49 1,2-Dichloroethane-d4 (SUR)	65	5.142	5.148	(0.960)	67168	50.2341	50
* 52 Fluorobenzene	96	5.356	5.355	(1.000)	234763	50.0000	
54 Methyl cyclohexane	83	5.734	5.733	(1.071)	14617	4.05383	4.0
$ 66 Toluene-d8 (SUR)	98	6.715	6.721	(0.858)	161220	43.7817	44
* 77 Chlorobenzene-d5	117	7.831	7.831	(1.000)	170447	50.0000	
82 o-Xylene	106	8.221	8.227	(1.050)	1313	0.35468	0.35
86 Isopropylbenzene	105	8.434	8.440	(1.077)	52997	5.60487	5.6
$ 89 Bromofluorobenzene (SUR)	174	8.562	8.568	(0.930)	72908	48.0680	48
91 n-Propylbenzene	91	8.672	8.678	(0.942)	93151	6.28450	6.3
* 105 1,4-Dichlorobenzene-d4	152	9.208	9.227	(1.000)	106766	50.0000	
110 n-Butylbenzene	91	9.379	9.397	(1.019)	32974	2.14145	2.1

Data File: a86024.d

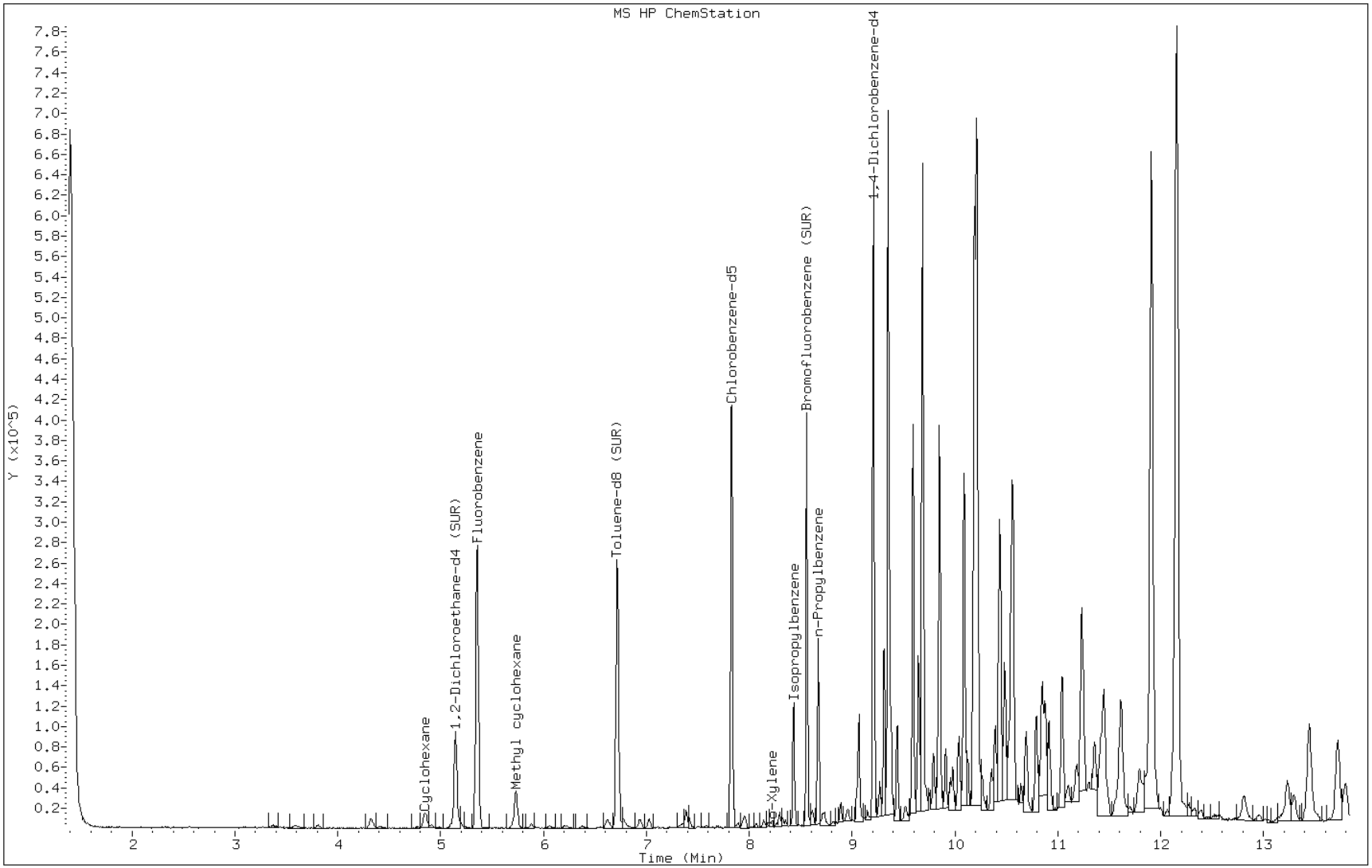
Date: 21-MAR-2013 14:55

Client ID: INFLUENT

Instrument: VOAMS1.i

Sample Info: 460-52642-B-1

Operator: VOA GC/MS1



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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-150795/3	a85554.d
Level 2	IC 460-150795/4	a85555.d
Level 3	ICIS 460-150795/2	a85546.d
Level 4	IC 460-150795/5	a85556.d
Level 5	IC 460-150795/6	a85557.d
Level 6	IC 460-150795/7	a85558.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4601 0.3518	0.4048	0.2483	0.3277	0.3642	Ave		0.3595				19.9		35.0			
Chloromethane	1.1691 0.6580	0.9516	0.6200	0.7072	0.7157	Ave		0.8036				26.5		35.0			
Vinyl chloride	0.9710 0.5718	0.7524	0.5464	0.6008	0.6074	Ave		0.6750				24.0		35.0			
Bromomethane	0.4244 0.2429	0.3129	0.2488	0.2379	0.2354	Ave		0.2837				26.4		35.0			
Chloroethane	0.4573 0.2897	0.3680	0.2917	0.3007	0.2879	Ave		0.3325				20.5		35.0			
Trichlorofluoromethane	0.6290 0.4314	0.5324	0.4343	0.4531	0.4484	Ave		0.4881				16.1		35.0			
n-Pentane	0.1127 0.0827	0.1013	0.0865	0.0862	0.0837	Ave		0.0922				13.1		35.0			
Ethanol	0.0021 0.0017	0.0016	0.0019	0.0016	0.0017	Ave		0.0018				12.2		35.0			
Ethyl ether	0.5231 0.3169	0.4617	0.3457	0.3413	0.3323	Ave		0.3868				21.9		35.0			
Isoprene	0.8257 0.5347	0.7307	0.5769	0.5511	0.5483	Ave		0.6279				19.3		35.0			
Acrolein	0.0655 0.0504	0.0681	0.0580	0.0492	0.0492	Ave		0.0567				15.0		35.0			
Freon TF	0.4031 0.3125	0.3829	0.3221	0.3133	0.3199	Ave		0.3423				11.7		35.0			
1,1-Dichloroethene	0.4320 0.2668	0.3320	0.2902	0.2635	0.2734	Ave		0.3096				21.0		35.0			
Acetone	0.0686 0.0437	0.0473	0.0555	0.0431	0.0477	Ave		0.0510				19.0		35.0			
Iodomethane	0.7253 0.4578	0.5784	0.5022	0.4566	0.4679	Ave		0.5314				19.9		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	2.1314 1.3967	1.6650	1.4272	1.2907	1.3265	Ave		1.5396				20.7		35.0			
Acetonitrile	0.0852 0.0646	0.0701	0.0582	0.0588	0.0651	Ave		0.0670				14.8		35.0			
Methyl acetate	0.0859 0.0749	0.0819	0.0689	0.0643	0.0722	Ave		0.0747				10.8		35.0			
Methylene Chloride	0.6934 0.4169	0.5504	0.4364	0.4113	0.4267	Ave		0.4892				23.0		35.0			
TBA	0.0516 0.0435	0.0401	0.0363	0.0332	0.0390	Ave		0.0406				15.8		35.0			
MTBE	1.5126 1.2631	1.2994	1.1319	1.1289	1.2340	Ave		1.2616				11.2		35.0			
trans-1,2-Dichloroethene	0.5156 0.3796	0.4567	0.3829	0.3655	0.3871	Ave		0.4146				14.2		35.0			
Acrylonitrile	0.2680 0.1791	0.2279	0.1960	0.1795	0.1707	Ave		0.2035				18.5		35.0			
Hexane	0.4576 0.4256	0.4135	0.3732	0.3637	0.3968	Ave		0.4051				8.6		35.0			
DIPE	2.2259 1.9160	1.8590	1.6593	1.7142	1.9021	Ave		1.8794				10.6		35.0			
1,1-Dichloroethane	1.2455 0.8501	1.0569	0.8442	0.8179	0.8667	Ave		0.9469				17.9		35.0			
Vinyl acetate	0.0982 0.0893	0.0730	0.0707	0.0762	0.0849	Ave		0.0820				12.9		35.0			
Allyl alcohol	0.0033 0.0030	0.0041	0.0036	0.0033	0.0035	Ave		0.0035				10.2		35.0			
2,2-Dichloropropane	0.8537 0.6013	0.7241	0.5512	0.5566	0.6004	Ave		0.6479				18.3		35.0			
cis-1,2-Dichloroethene	0.6242 0.4206	0.5318	0.4178	0.4084	0.4274	Ave		0.4717				18.6		35.0			
Ethyl acetate	0.0636 0.0496	0.0446	0.0396	0.0389	0.0454	Ave		0.0470				19.4		35.0			
2-Butanone	0.0547 0.0549	0.0427	0.0483	0.0449	0.0526	Ave		0.0497				10.5		35.0			
Bromochloromethane	0.2485 0.1744	0.2388	0.1747	0.1689	0.1747	Ave		0.1967				18.6		35.0			
Tetrahydrofuran	0.1385 0.1824	0.1404	0.1423	0.1379	0.1691	Ave		0.1518				12.6		35.0			
Chloroform	0.9928 0.7058	0.9214	0.6788	0.6658	0.7013	Ave		0.7777				18.2		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexane	0.9701 1.0301	0.9321	0.8731	0.8761	0.9947	Ave		0.9460				6.8		35.0			
1,1,1-Trichloroethane	0.7424 0.5495	0.6333	0.5199	0.5085	0.5504	Ave		0.5840				15.3		35.0			
Carbon tetrachloride	0.5719 0.4524	0.4880	0.4115	0.3994	0.4418	Ave		0.4608				13.6		35.0			
1,1-Dichloropropene	0.6838 0.5735	0.5681	0.4834	0.4843	0.5444	Ave		0.5562				13.3		35.0			
Benzene	3.9234 2.6392	3.4678	2.5902	2.5131	2.6489	Ave		2.9638				19.8		35.0			
Isopropyl acetate	2.1976 1.3096	1.6219	1.2792	1.2213	1.3557	Ave		1.4976				24.7		35.0			
1,2-Dichloroethane	0.8307 0.6139	0.7879	0.5692	0.5670	0.6055	Ave		0.6624				17.5		35.0			
n-Heptane	0.4577 0.4614	0.4253	0.4061	0.3964	0.4404	Ave		0.4313				6.2		35.0			
n-Butanol	0.0034 +++++	0.0041	0.0042	0.0037	0.0052	Ave		0.0041				15.9		35.0			
Trichloroethene	0.5271 0.3956	0.4699	0.3776	0.3604	0.3855	Ave		0.4193				15.5		35.0			
Ethyl acrylate	1.4263 1.4915	1.3442	1.2357	1.2266	1.4058	Ave		1.3550				7.9		35.0			
Methylcyclohexane	0.7046 0.8200	0.7951	0.7475	0.7313	0.8092	Ave		0.7680				6.1		35.0			
1,2-Dichloropropane	1.0344 0.7716	0.9691	0.7055	0.6819	0.7405	Ave		0.8172				18.1		35.0			
Methyl methacrylate	0.1396 0.1557	0.1166	0.1140	0.1186	0.1430	Ave		0.1313				13.1		35.0			
Propyl acetate	1.6584 1.2390	0.9260	0.8923	0.9236	1.0781	Ave		1.1196				26.3		35.0			
p-Dioxane	0.0033 0.0043	0.0038	0.0040	0.0049	0.0045	Ave		0.0041				13.4		35.0			
Dibromomethane	0.4829 0.3581	0.4790	0.3443	0.3257	0.3452	Ave		0.3892				18.5		35.0			
Bromodichloromethane	1.0710 0.8379	1.0607	0.7528	0.7208	0.7883	Ave		0.8719				17.8		35.0			
2-Chloroethyl vinyl ether	0.3955 0.4457	0.3172	0.3183	0.3216	0.3935	Ave		0.3653				14.8		35.0			
Epichlorohydrin	0.0494 0.0680	0.0468	0.0476	0.0479	0.0595	Ave		0.0532				16.2		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,3-Dichloropropene	1.1485 1.1386	1.1494	0.8983	0.9234	1.0547	Ave		1.0522				11.0		35.0			
4-Methyl-2-pentanone	0.7422 0.9071	0.6004	0.6145	0.6482	0.8004	Ave		0.7188				16.8		35.0			
Toluene	3.5539 2.5107	3.1671	2.4183	2.3787	2.5635	Ave		2.7654				17.4		35.0			
trans-1,3-Dichloropropene	0.9138 0.9378	0.9545	0.7412	0.7741	0.8941	Ave		0.8693				10.3		35.0			
1,1,2-Trichloroethane	0.5813 0.4779	0.6448	0.4328	0.4128	0.4440	Ave		0.4989				18.7		35.0			
Tetrachloroethene	0.7349 0.5182	0.6290	0.4883	0.4671	0.5079	Ave		0.5576				18.6		35.0			
1,3-Dichloropropane	1.1608 1.0206	1.2654	0.8688	0.8586	0.9633	Ave		1.0229				15.9		35.0			
2-Hexanone	0.3724 0.5841	0.3038	0.3373	0.3629	0.4925	Ave		0.4089				26.2		35.0			
Butyl acetate	0.1459 0.1848	0.1376	0.1329	0.1425	0.1694	Ave		0.1522				13.4		35.0			
Dibromochloromethane	0.6066 0.5146	0.6194	0.4440	0.4380	0.4887	Ave		0.5186				15.2		35.0			
1,2-Dibromoethane	0.5942 0.4932	0.6226	0.4322	0.4251	0.4678	Ave		0.5058				16.5		35.0			
Chlorobenzene	2.2071 1.4921	2.0722	1.3981	1.3812	1.4920	Ave		1.6738				21.9		35.0			
Ethylbenzene	1.0978 0.8271	1.0685	0.8099	0.8083	0.8597	Ave		0.9119				14.7		35.0			
1,1,1,2-Tetrachloroethane	0.7640 0.5091	0.7010	0.4932	0.4807	0.5231	Ave		0.5785				21.1		35.0			
m-Xylene & p-Xylene	1.2078 0.9369	1.3167	1.0248	1.0239	1.0662	Ave		1.0960				12.8		35.0			
n-Butyl acrylate	0.3928 0.5216	0.3179	0.3423	0.3892	0.4774	Ave		0.4069				19.3		35.0			
o-Xylene	1.0776 0.9977	1.3026	1.0388	1.0258	1.0731	Ave		1.0859				10.2		35.0			
Styrene	1.8557 1.7017	2.2056	1.7069	1.7156	1.8427	Ave		1.8380				10.5		35.0			
Amyl acetate	1.1117 1.6230	1.0530	1.1435	1.3150	1.5444	Ave		1.2984				18.4		35.0			
Bromoform	0.3928 0.3319	0.4111	0.2939	0.2902	0.3176	Ave		0.3396				15.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropylbenzene	2.8739 2.4118	3.1209	2.6513	2.6945	2.8901	Ave		2.7737				8.8		35.0			
Camphene, Total	0.7818 0.8279	0.6429	0.6282	0.6424	0.7560	Ave		0.7132				12.0		35.0			
1,1,2,2-Tetrachloroethane	2.0842 1.5805	2.2110	1.3995	1.3764	1.5061	Ave		1.6930				21.4		35.0			
Bromobenzene	1.5953 1.2017	1.5775	1.0663	1.0464	1.1343	Ave		1.2702				19.8		35.0			
N-Propylbenzene	7.5003 5.9206	8.2399	6.4139	6.4602	7.1142	Ave		6.9415				12.2		35.0			
1,2,3-Trichloropropane	0.4081 0.3889	0.5088	0.3448	0.3372	0.3661	Ave		0.3923				16.0		35.0			
2-Chlorotoluene	6.3338 5.0627	6.5853	4.8678	4.8691	5.3361	Ave		5.5091				13.8		35.0			
1,3,5-Trimethylbenzene	4.9854 4.4227	5.5193	4.2987	4.3596	4.8456	Ave		4.7385				10.0		35.0			
Butyl Methacrylate	1.4041 1.8807	1.3485	1.3876	1.5400	1.8267	Ave		1.5646				14.9		35.0			
4-Chlorotoluene	5.2734 3.9339	5.5866	3.9148	3.8820	4.1798	Ave		4.4618				17.1		35.0			
tert-Butylbenzene	3.7157 3.6862	3.9097	3.3180	3.3377	3.8939	Ave		3.6435				7.2		35.0			
1,2,4-Trimethylbenzene	4.5790 4.3428	5.4465	4.3140	4.3769	4.8849	Ave		4.6573				9.5		35.0			
sec-Butylbenzene	5.9625 5.2773	6.7957	5.7498	5.7594	6.3416	Ave		5.9810				8.8		35.0			
p-Isopropyltoluene	4.5212 4.3771	5.5937	4.4739	4.5345	5.0810	Ave		4.7636				10.0		35.0			
1,3-Dichlorobenzene	3.2599 2.3951	3.4168	2.3134	2.2514	2.4231	Ave		2.6766				19.4		35.0			
1,4-Dichlorobenzene	3.4963 2.4216	3.4741	2.3829	2.2859	2.4632	Ave		2.7540				20.7		35.0			
Benzyl chloride	3.1230 3.3017	2.5628	2.3647	2.5106	3.0760	Ave		2.8232				13.8		35.0			
n-Butylbenzene	7.7546 6.0588	8.4154	6.9124	6.7860	7.3392	Ave		7.2111				11.4		35.0			
1,2-Dichlorobenzene	3.3016 2.3282	3.2935	2.2326	2.2014	2.3742	Ave		2.6219				20.1		35.0			
1,2-Dibromo-3-Chloropropane	0.3204 0.3085	0.3750	0.2513	0.2357	0.2689	Ave		0.2933				17.6		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Camphor	0.1289 0.1993	0.0940	0.1047	0.1065	0.1523	Ave		0.1309				30.1		35.0			
1,2,4-Trichlorobenzene	2.0912 1.5777	2.0727	1.6030	1.5166	1.7071	Ave		1.7614				14.5		35.0			
Hexachlorobutadiene	1.0611 0.7991	1.1420	0.8531	0.8192	0.9209	Ave		0.9326				15.0		35.0			
Naphthalene	3.6868 4.1132	3.9059	3.4602	3.2650	3.9545	Ave		3.7309				8.6		35.0			
1,2,3-Trichlorobenzene	1.7812 1.3823	1.8360	1.3787	1.2741	1.4821	Ave		1.5224				15.2		35.0			
1,2-Dichloroethane-d4 (Surr)	0.2817 0.2937	0.2823	0.2792	0.2859	0.2860	Ave		0.2848				1.8		35.0			
Toluene-d8 (Surr)	1.0668 1.0974	1.0591	1.0802	1.0857	1.0920	Ave		1.0802				1.4		35.0			
Bromofluorobenzene	0.6867 0.7965	0.7011	0.6874	0.6862	0.7040	Ave		0.7103				6.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-150795/3	a85554.d
Level 2	IC 460-150795/4	a85555.d
Level 3	ICIS 460-150795/2	a85546.d
Level 4	IC 460-150795/5	a85556.d
Level 5	IC 460-150795/6	a85557.d
Level 6	IC 460-150795/7	a85558.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3879 1855624	15976	36144	161660	715922	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	9856 3470559	37557	90265	348865	1406694	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	8186 3015986	29693	79548	296377	1193856	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	3578 1281354	12349	36225	117360	462625	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	3855 1528178	14522	42468	148337	565842	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	5303 2275439	21011	63228	223543	881418	1.00 500	5.00	20.0	50.0	200
n-Pentane	FB	Ave	1900 872374	7992	25186	85029	328877	2.00 1000	10.0	40.0	100	400
Ethanol	FB	Ave	17990 106082	24769	41055	63452	81610	1000 6000	2000	3000	4000	5000
Ethyl ether	FB	Ave	4410 1671260	18222	50330	168350	653171	1.00 500	5.00	20.0	50.0	200
Isoprene	FB	Ave	6961 2820157	28839	83983	271842	1077749	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	2209 212811	10755	16896	48517	96702	4.00 400	20.0	40.0	100	200
Freon TF	FB	Ave	3398 1648056	15110	46887	154574	628692	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethene	FB	Ave	3642 1407077	13104	42241	129969	537435	1.00 500	5.00	20.0	50.0	200
Acetone	FB	Ave	2891 230229	5605	8084	21263	93751	5.00 500	15.0	20.0	50.0	200
Iodomethane	FB	Ave	6115 2414675	22826	73111	225249	919664	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	17969 7366627	65710	207765	636731	2607281	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	14365 6819408	55299	169591	580362	2560961	20.0 10000	100	400	1000	4000
Methyl acetate	FB	Ave	724 394963	3232	10031	31744	141916	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	Ave	5846 2198951	21723	63525	202887	838756	1.00 500	5.00	20.0	50.0	200
TBA	FB	Ave	8704 4590982	31613	105637	327270	1534638	20.0 10000	100	400	1000	4000
MTBE	FB	Ave	12752 6661907	51281	164786	556886	2425475	1.00 500	5.00	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	4347 2002144	18024	55748	180317	760906	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	4519 377765	17987	28537	88541	167798	2.00 200	10.0	20.0	50.0	100
Hexane	FB	Ave	3858 2244686	16320	54323	179430	779951	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	18765 10105777	73366	241562	845643	3738621	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	10500 4483482	41711	122901	403503	1703467	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	1655 941785	5762	20596	75180	333748	2.00 1000	10.0	40.0	100	400
Allyl alcohol	FB	Ave	27942 190935	64026	79084	130618	171211	1000 6000	2000	3000	4000	5000
2,2-Dichloropropane	FB	Ave	7197 3171670	28578	80249	274582	1180002	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	5262 2218624	20986	60820	201483	840014	1.00 500	5.00	20.0	50.0	200
Ethyl acetate	FB	Ave	1073 523227	3524	11524	38341	178606	2.00 1000	10.0	40.0	100	400
2-Butanone	FB	Ave	2305 289621	5050	7033	22128	103386	5.00 500	15.0	20.0	50.0	200
Bromochloromethane	FB	Ave	2095 919758	9425	25431	83297	343305	1.00 500	5.00	20.0	50.0	200
Tetrahydrofuran	FB	Ave	1168 961938	5540	20719	68037	332460	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	8370 3722442	36365	98811	328464	1378422	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	8178 5432850	36785	127099	432169	1955057	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	6259 2898199	24995	75679	250855	1081749	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Carbon tetrachloride	FB	Ave	4821 2386371	19260	59911	197015	868348	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	5765 3024740	22419	70372	238918	1070011	1.00 500	5.00	20.0	50.0	200
Benzene	CBZ	Ave	20793 9174101	87463	243834	817205	3482616	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	37053 13814507	128022	372448	1205013	5329149	2.00 1000	10.0	40.0	100	400
1,2-Dichloroethane	FB	Ave	7003 3237955	31096	82857	279708	1190162	1.00 500	5.00	20.0	50.0	200
n-Heptane	FB	Ave	3859 2433710	16786	59124	195574	865707	1.00 500	5.00	20.0	50.0	200
n-Butanol	FB	Ave	14538 +++++	32558	46282	73856	127433	500 +++++	1000	1500	2000	2500
Trichloroethene	FB	Ave	4444 2086308	18545	54969	177770	757767	1.00 500	5.00	20.0	50.0	200
Ethyl acrylate	FB	Ave	12024 7866750	53051	179888	605116	2763128	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	5940 4325030	31381	108822	360751	1590410	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	CBZ	Ave	5482 2682083	24442	66409	221752	973545	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	CBZ	Ave	740 541214	2941	10736	38568	188043	1.00 500	5.00	20.0	50.0	200
Propyl acetate	CBZ	Ave	8789 4306851	23355	84000	300352	1417401	1.00 500	5.00	20.0	50.0	200
p-Dioxane	CBZ	Ave	870 8989	1918	2842	6325	7395	50.0 300	100	150	200	250
Dibromomethane	CBZ	Ave	2559 1244678	12081	32412	105906	453818	1.00 500	5.00	20.0	50.0	200
Bromodichloromethane	CBZ	Ave	5676 2912799	26751	70870	234377	1036464	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	CBZ	Ave	2096 1549468	7999	29965	104578	517338	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	CBZ	Ave	5238 4726151	23609	89652	311770	1565534	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBZ	Ave	6087 3957884	28989	84565	300287	1386600	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone	CBZ	Ave	19667 3153101	45432	57843	210788	1052258	5.00 500	15.0	20.0	50.0	200
Toluene	CBZ	Ave	18835 8727417	79879	227649	773524	3370338	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	CBZ	Ave	4843 3259820	24074	69778	251714	1175551	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	3081 1661338	16263	40740	134228	583707	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	3895 1801491	15864	45968	151881	667741	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	6152 3547598	31915	81787	279185	1266472	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	9867 2030509	22988	31754	118019	647565	5.00 500	15.0	20.0	50.0	200
Butyl acetate	CBZ	Ave	1546 1284531	6943	25025	92702	445353	2.00 1000	10.0	40.0	100	400
Dibromochloromethane	CBZ	Ave	3215 1788920	15621	41800	142414	642549	1.00 500	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	3149 1714435	15704	40683	138224	615055	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBZ	Ave	11697 5186641	52264	131611	449140	1961621	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	5818 2874986	26948	76240	262849	1130275	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	4049 1769540	17680	46425	156315	687713	1.00 500	5.00	20.0	50.0	200
m-Xylene & p-Xylene	CBZ	Ave	12802 6513235	66416	192947	665900	2803511	2.00 1000	10.0	40.0	100	400
n-Butyl acrylate	CBZ	Ave	2082 1813045	8019	32226	126548	627633	1.00 500	5.00	20.0	50.0	200
o-Xylene	CBZ	Ave	5711 3468127	32854	97788	333582	1410878	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	9835 5915343	55628	160678	557869	2422587	1.00 500	5.00	20.0	50.0	200
Amyl acetate	CBZ	Ave	5892 5641694	26557	107647	427607	2030413	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	2082 1153815	10369	27668	94352	417596	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	15231 8383592	78712	249584	876206	3799690	1.00 500	5.00	20.0	50.0	200
Camphene, Total	DCB	Ave	2245 1341994	8728	32647	116207	519465	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	5985 2562019	30017	72735	248997	1034881	1.00 500	5.00	20.0	50.0	200
Bromobenzene	DCB	Ave	4581 1947921	21416	55416	189290	779410	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Propylbenzene	DCB	Ave	21538 9597339	111867	333336	1168676	4888295	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	1172 630469	6908	17921	60994	251587	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	18188 8206726	89404	252985	880828	3666574	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	14316 7169276	74931	223409	788663	3329528	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	Ave	4032 3048719	18308	72116	278593	1255169	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	15143 6376966	75846	203456	702270	2872040	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	10670 5975436	53079	172439	603800	2675583	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	13149 7039696	73943	224202	791802	3356538	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	17122 8554576	92260	298822	1041896	4357459	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	Ave	12983 7095348	75942	232512	820313	3491273	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	9361 3882503	46388	120231	407284	1664945	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	10040 3925500	47165	123842	413526	1692539	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	8968 5352200	34794	122897	454180	2113577	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	22268 9821489	114250	359248	1227613	5042884	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	9481 3774100	44713	116031	398241	1631349	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	920 500077	5091	13062	42644	184778	1.00 500	5.00	20.0	50.0	200
Camphor	DCB	Ave	1851 1615069	6382	27217	96286	523258	5.00 2500	25.0	100	250	1000
1,2,4-Trichlorobenzene	DCB	Ave	6005 2557564	28139	83309	274358	1172968	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	3047 1295341	15504	44339	148189	632749	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	Ave	10587 6667567	53027	179831	590640	2717199	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	5115 2240686	24926	71654	230487	1018373	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 150795

SDG No.:

Instrument ID: VOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2013 03:28 Calibration End Date: 03/12/2013 08:34 Calibration ID: 20644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichloroethane-d4 (Surr)	FB	Ave	118732 154931	111397	101597	141022	140512	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	282689 381469	267131	254207	353048	358930	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	98590 129116	95188	89316	124138	120933	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:
Ave = Average ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVIS 460-152136/2 Calibration Date: 03/21/2013 10:17

Instrument ID: VOAMS1 Calib Start Date: 03/12/2013 03:28

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/12/2013 08:34

Lab File ID: a86011.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3595	0.3905		21.7	20.0	8.6	50.0
Chloromethane	Ave	0.8036	0.3887	0.1000	9.67	20.0	-51.6	104.0
Vinyl chloride	Ave	0.6750	0.4290		12.7	20.0	-36.4	96.0
Bromomethane	Ave	0.2837	0.3101		21.9	20.0	9.3	86.0
Chloroethane	Ave	0.3325	0.2726		16.4	20.0	-18.0	62.0
Trichlorofluoromethane	Ave	0.4881	0.6401		26.2	20.0	31.1	52.0
n-Pentane	Ave	0.0922	0.0694		30.1	40.0	-24.7	50.0
Ethanol	Ave	0.0018	0.0008		1340	3000	-55.5*	50.0
Ethyl ether	Ave	0.3868	0.2826		14.6	20.0	-27.0	50.0
Isoprene	Ave	0.6279	0.5196		16.6	20.0	-17.2	50.0
Acrolein	Ave	0.0567	0.0422		29.8	40.0	-25.6	99.0
Freon TF	Ave	0.3423	0.3888		22.7	20.0	13.6	50.0
1,1-Dichloroethene	Ave	0.3096	0.3110		20.1	20.0	0.4	49.5
Acetone	Ave	0.0510	0.0605		23.7	20.0	18.6	50.0
Iodomethane	Ave	0.5314	0.6529		24.6	20.0	22.9	50.0
Carbon disulfide	Ave	1.540	1.309		17.0	20.0	-15.0	50.0
Acetonitrile	Ave	0.0670	0.0461		275	400	-31.2	50.0
Methyl acetate	Ave	0.0747	0.0608		16.3	20.0	-18.6	50.0
Methylene Chloride	Ave	0.4892	0.4061		16.6	20.0	-17.0	39.5
TBA	Ave	0.0406	0.0276		271	400	-32.1	50.0
MTBE	Ave	1.262	1.096		17.4	20.0	-13.1	50.0
trans-1,2-Dichloroethene	Ave	0.4146	0.3839		18.5	20.0	-7.4	30.5
Acrylonitrile	Ave	0.2035	0.1057		10.4	20.0	-48.1	50.0
Hexane	Ave	0.4051	0.3103		15.3	20.0	-23.4	50.0
DIPE	Ave	1.879	1.083		11.5	20.0	-42.4	50.0
1,1-Dichloroethane	Ave	0.9469	0.7155	0.1000	15.1	20.0	-24.4	27.5
Vinyl acetate	Ave	0.0820	0.0737		35.9	40.0	-10.2	50.0
Allyl alcohol	Ave	0.0035	0.0028		2380	3000	-20.7	50.0
2,2-Dichloropropane	Ave	0.6479	0.6697		20.7	20.0	3.4	50.0
cis-1,2-Dichloroethene	Ave	0.4717	0.4335		18.4	20.0	-8.1	50.0
2-Butanone	Ave	0.0497	0.0537		21.6	20.0	8.1	50.0
Ethyl acetate	Ave	0.0470	0.0407		34.6	40.0	-13.4	50.0
Bromochloromethane	Ave	0.1967	0.2057		20.9	20.0	4.6	50.0
Tetrahydrofuran	Ave	0.1518	0.0852		11.2	20.0	-43.9	50.0
Chloroform	Ave	0.7777	0.7265		18.7	20.0	-6.6	32.5
Cyclohexane	Ave	0.9460	0.6900		14.6	20.0	-27.1	50.0
1,1,1-Trichloroethane	Ave	0.5840	0.6435		22.0	20.0	10.2	25.0
Carbon tetrachloride	Ave	0.4608	0.5466		23.7	20.0	18.6	27.0
1,1-Dichloropropene	Ave	0.5562	0.5490		19.7	20.0	-1.3	50.0
Benzene	Ave	2.964	2.282		15.4	20.0	-23.0	36.0
Isopropyl acetate	Ave	1.498	0.8825		23.6	40.0	-41.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVIS 460-152136/2 Calibration Date: 03/21/2013 10:17

Instrument ID: VOAMS1 Calib Start Date: 03/12/2013 03:28

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/12/2013 08:34

Lab File ID: a86011.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane	Ave	0.6624	0.5929		17.9	20.0	-10.5	32.0
n-Heptane	Ave	0.4313	0.3291		15.3	20.0	-23.7	50.0
n-Butanol	Ave	0.0041	0.0033		1210	1500	-19.6	50.0
Trichloroethene	Ave	0.4193	0.4256		20.3	20.0	1.5	33.5
Ethyl acrylate	Ave	1.355	1.029		15.2	20.0	-24.1	50.0
Methylcyclohexane	Ave	0.7680	0.7630		19.9	20.0	-0.6	50.0
1,2-Dichloropropane	Ave	0.8172	0.5430		13.3	20.0	-33.5	66.0
Methyl methacrylate	Ave	0.1313	0.1159		17.7	20.0	-11.7	50.0
Propyl acetate	Ave	1.120	0.5685		10.2	20.0	-49.2	50.0
p-Dioxane	Ave	0.0041	0.0030		108	150	-28.1	50.0
Dibromomethane	Ave	0.3892	0.3344		17.2	20.0	-14.1	50.0
Bromodichloromethane	Ave	0.8719	0.7435		17.1	20.0	-14.7	34.5
2-Chloroethyl vinyl ether	Ave	0.3653	0.0862		4.72	20.0	-76.4	124.0
Epichlorohydrin	Ave	0.0532	0.0372		280	400	-30.1	50.0
cis-1,3-Dichloropropene	Ave	1.052	0.7962		15.1	20.0	-24.3	76.0
4-Methyl-2-pentanone	Ave	0.7188	0.3983		11.1	20.0	-44.6	50.0
Toluene	Ave	2.765	2.299		16.6	20.0	-16.9	25.5
trans-1,3-Dichloropropene	Ave	0.8693	0.7201		16.6	20.0	-17.2	50.0
1,1,2-Trichloroethane	Ave	0.4989	0.3691		14.8	20.0	-26.0	29.0
Tetrachloroethene	Ave	0.5576	0.5951		21.3	20.0	6.7	26.5
1,3-Dichloropropane	Ave	1.023	0.7718		15.1	20.0	-24.5	50.0
2-Hexanone	Ave	0.4089	0.2645		12.9	20.0	-35.3	50.0
Butyl acetate	Ave	0.1522	0.1135		29.8	40.0	-25.4	50.0
Dibromochloromethane	Ave	0.5186	0.4802		18.5	20.0	-7.4	32.5
1,2-Dibromoethane	Ave	0.5058	0.4455		17.6	20.0	-11.9	50.0
Chlorobenzene	Ave	1.674	1.487	0.3000	17.8	20.0	-11.2	34.0
Ethylbenzene	Ave	0.9119	0.8253		18.1	20.0	-9.5	41.0
1,1,1,2-Tetrachloroethane	Ave	0.5785	0.5599		19.4	20.0	-3.2	50.0
m-Xylene & p-Xylene	Ave	1.096	1.070		39.1	40.0	-2.4	50.0
n-Butyl acrylate	Ave	0.4069	0.3186		15.7	20.0	-21.7	50.0
o-Xylene	Ave	1.086	1.068		19.7	20.0	-1.7	50.0
Styrene	Ave	1.838	1.747		19.0	20.0	-5.0	50.0
Amyl acetate	Ave	1.298	0.8642		13.3	20.0	-33.4	50.0
Bromoform	Ave	0.3396	0.3221	0.1000	19.0	20.0	-5.2	29.0
Isopropylbenzene	Ave	2.774	2.882		20.8	20.0	3.9	50.0
Camphene, Total	Ave	0.7132	0.4805		13.5	20.0	-32.6	50.0
1,1,2,2-Tetrachloroethane	Ave	1.693	1.097	0.3000	13.0	20.0	-35.2	39.5
Bromobenzene	Ave	1.270	1.121		17.6	20.0	-11.8	50.0
N-Propylbenzene	Ave	6.942	5.856		16.9	20.0	-15.6	50.0
1,2,3-Trichloropropane	Ave	0.3923	0.3393		17.3	20.0	-13.5	50.0
2-Chlorotoluene	Ave	5.509	4.688		17.0	20.0	-14.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVIS 460-152136/2 Calibration Date: 03/21/2013 10:17

Instrument ID: VOAMS1 Calib Start Date: 03/12/2013 03:28

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/12/2013 08:34

Lab File ID: a86011.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3,5-Trimethylbenzene	Ave	4.739	4.445		18.8	20.0	-6.2	50.0
Butyl Methacrylate	Ave	1.565	1.259		16.1	20.0	-19.5	50.0
4-Chlorotoluene	Ave	4.462	3.826		17.2	20.0	-14.2	50.0
tert-Butylbenzene	Ave	3.644	3.315		18.2	20.0	-9.0	50.0
1,2,4-Trimethylbenzene	Ave	4.657	4.343		18.6	20.0	-6.8	50.0
sec-Butylbenzene	Ave	5.981	5.597		18.7	20.0	-6.4	50.0
p-Isopropyltoluene	Ave	4.764	4.660		19.6	20.0	-2.2	50.0
1,3-Dichlorobenzene	Ave	2.677	2.436		18.2	20.0	-9.0	27.0
1,4-Dichlorobenzene	Ave	2.754	2.522		18.3	20.0	-8.4	37.0
Benzyl chloride	Ave	2.823	2.257		16.0	20.0	-20.1	50.0
n-Butylbenzene	Ave	7.211	6.419		17.8	20.0	-11.0	50.0
1,2-Dichlorobenzene	Ave	2.622	2.384		18.2	20.0	-9.1	37.0
1,2-Dibromo-3-Chloropropane	Ave	0.2933	0.2138		14.6	20.0	-27.1	50.0
Camphor	Ave	0.1309	0.1008		76.9	100	-23.1	50.0
1,2,4-Trichlorobenzene	Ave	1.761	1.722		19.5	20.0	-2.3	50.0
Hexachlorobutadiene	Ave	0.9326	0.9387		20.1	20.0	0.7	50.0
Naphthalene	Ave	3.731	3.373		18.1	20.0	-9.6	50.0
1,2,3-Trichlorobenzene	Ave	1.522	1.475		19.4	20.0	-3.1	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2848	0.2856		50.2	50.0	0.3	
Toluene-d8 (Surr)	Ave	1.080	1.024		47.4	50.0	-5.2	
Bromofluorobenzene	Ave	0.7103	0.6799		47.9	50.0	-4.3	

Data File: /chem/VOAMS1.i/624_09/03-12-13/12mar13a.b/a85544.d
Report Date: 12-Mar-2013 05:47

TestAmerica

Data file : /chem/VOAMS1.i/624_09/03-12-13/12mar13a.b/a85544.d
Lab Smp Id: BFB
Inj Date : 12-MAR-2013 02:47
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS1.i/624_09/03-12-13/12mar13a.b/VOABFB.m
Meth Date : 02-May-2012 09:50 moroneyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

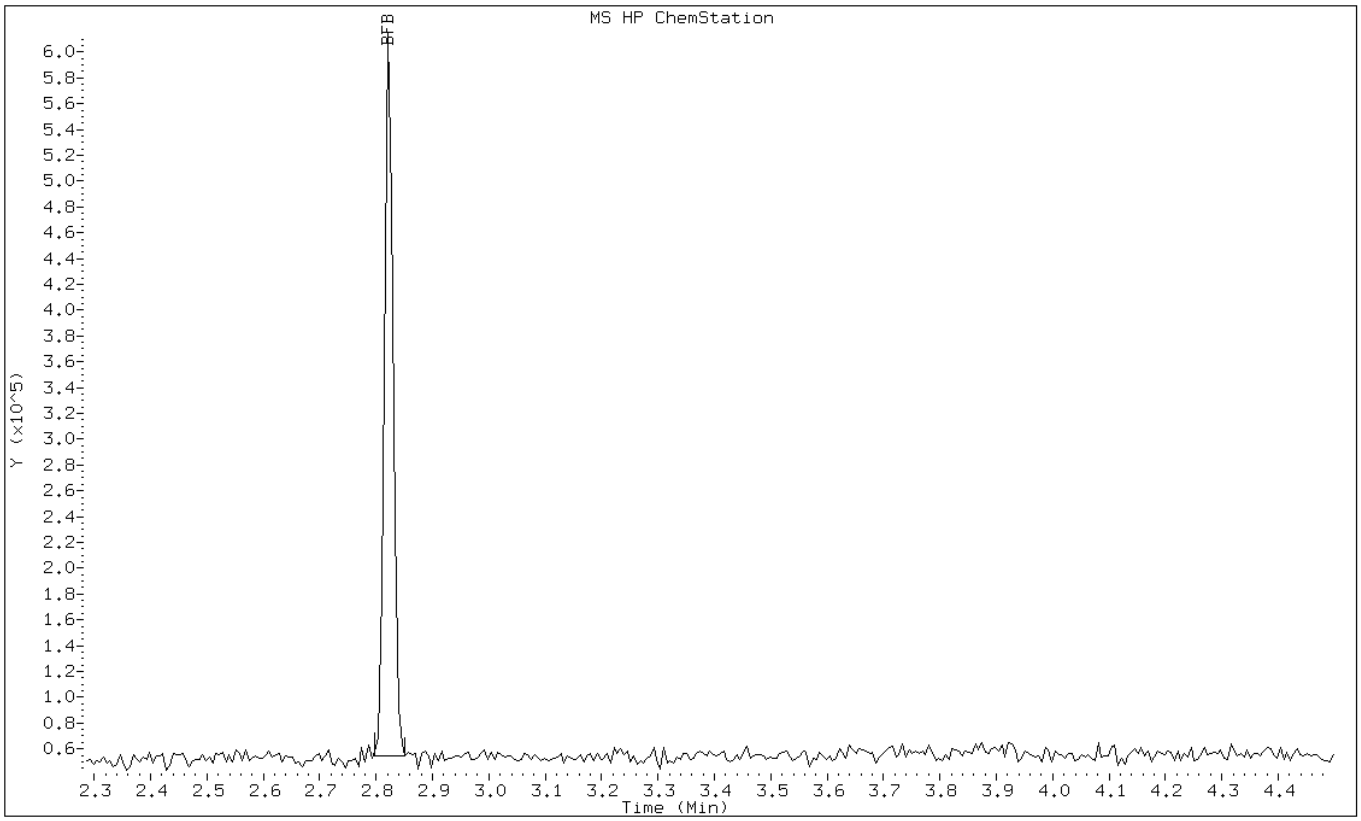
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.822	2.900 (0.000)	95	93730			0.00- 100.00	100.00
2.822	2.900 (0.000)	50	23233			15.00- 40.00	24.79
2.822	2.900 (0.000)	75	50520			30.00- 60.00	53.90
2.822	2.900 (0.000)	96	6002			5.00- 9.00	6.40
2.822	2.900 (0.000)	173	378			0.00- 2.00	0.60
2.822	2.900 (0.000)	174	62677			50.00- 100.00	66.87
2.822	2.900 (0.000)	175	4388			5.00- 9.00	7.00
2.822	2.900 (0.000)	176	62552			95.00- 101.00	99.80
2.822	2.900 (0.000)	177	3856			5.00- 9.00	6.16

Data File: a85544.d

Date: 12-MAR-2013 02:47

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1



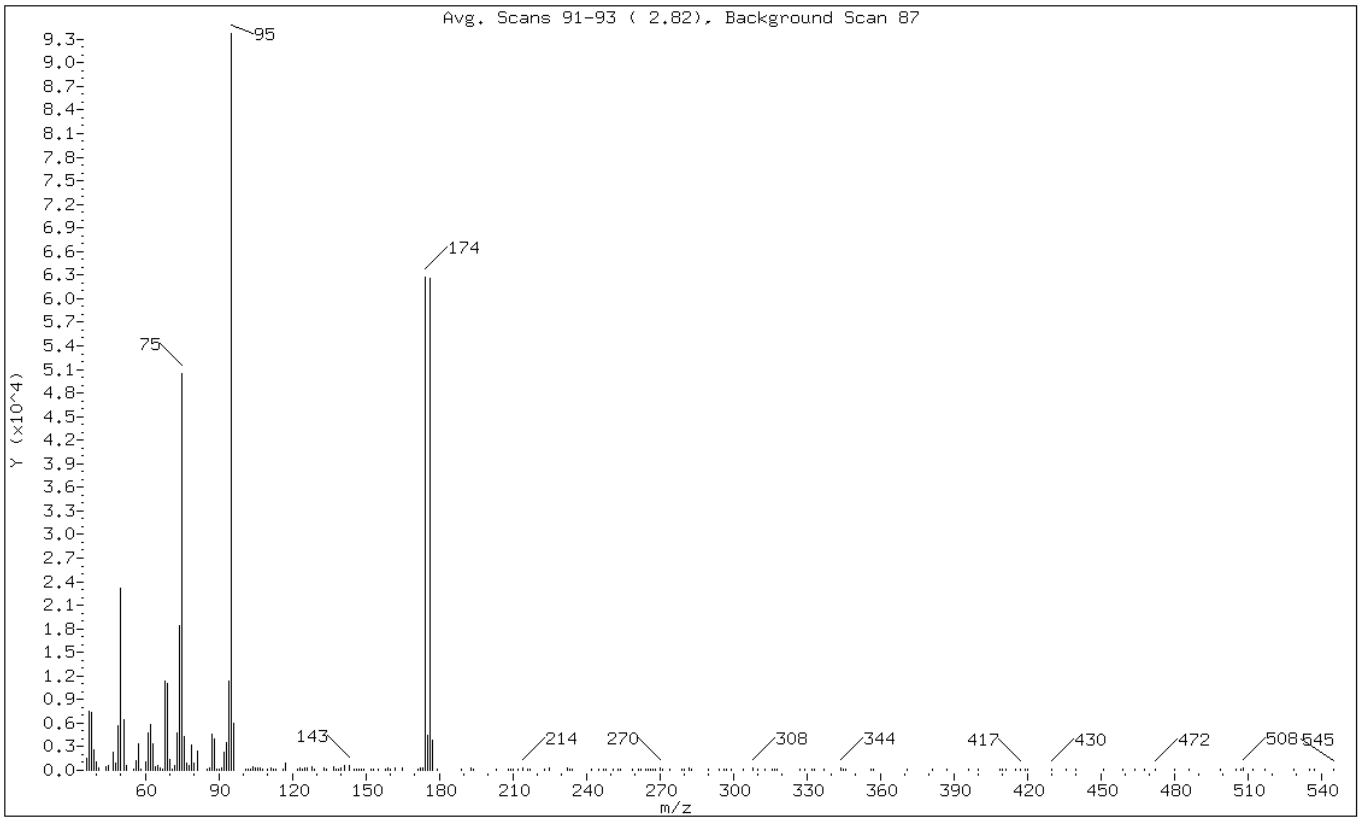
Data File: a85544.d

Date: 12-MAR-2013 02:47

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.79
75	30.00 - 60.00% of mass 95	53.90
96	5.00 - 9.00% of mass 95	6.40
173	Less than 2.00% of mass 174	0.40 (0.60)
174	50.00 - 100.00% of mass 95	66.87
175	5.00 - 9.00% of mass 174	4.68 (7.00)
176	95.00 - 101.00% of mass 174	66.74 (99.80)
177	5.00 - 9.00% of mass 176	4.11 (6.16)

Data File: a85544.d

Date: 12-MAR-2013 02:47

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS1.i/624_09/03-12-13/12mar13a.b/a85544.d
Spectrum: Avg. Scans 91-93 (2.82), Background Scan 87
Location of Maximum: 95.00
Number of points: 194

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1478	94.00	11331	175.00	4388	310.00	148
37.00	7546	95.00	93728	176.00	62552	313.00	227
38.00	7315	96.00	6002	177.00	3856	316.00	100
39.00	2607	101.00	87	179.00	105	317.00	113
40.00	1052	102.00	211	189.00	96	318.00	84
41.00	294	103.00	135	193.00	253	327.00	199
44.00	386	104.00	424	194.00	200	329.00	128
45.00	652	105.00	247	203.00	97	332.00	86
47.00	2287	106.00	293	208.00	98	333.00	148
48.00	914	107.00	264	209.00	168	337.00	101
49.00	5600	108.00	112	210.00	209	344.00	294
50.00	23232	110.00	137	212.00	99	345.00	99
51.00	6506	111.00	249	214.00	352	346.00	83
52.00	659	112.00	134	216.00	91	356.00	102
55.00	154	113.00	101	217.00	182	357.00	85
56.00	1168	116.00	102	223.00	94	371.00	188
57.00	3401	117.00	906	225.00	238	381.00	126
58.00	205	122.00	119	232.00	326	387.00	116
60.00	1084	123.00	380	233.00	107	396.00	185
61.00	4730	124.00	169	234.00	206	400.00	118
62.00	5764	125.00	295	242.00	188	409.00	88
63.00	3331	126.00	254	245.00	101	410.00	91
64.00	498	128.00	452	247.00	102	411.00	126
65.00	567	129.00	207	248.00	94	415.00	132
66.00	335	133.00	272	251.00	100	417.00	206
67.00	144	134.00	210	253.00	201	419.00	178
68.00	11331	137.00	396	254.00	152	420.00	174
69.00	11051	138.00	90	259.00	88	430.00	202
70.00	1426	139.00	95	261.00	147	436.00	107
71.00	98	140.00	293	262.00	159	440.00	98
72.00	649	141.00	540	264.00	107	451.00	101
73.00	4741	143.00	607	265.00	172	459.00	107
74.00	18408	145.00	105	266.00	161	464.00	91
75.00	50520	146.00	139	267.00	191	468.00	132
76.00	4276	147.00	229	268.00	118	472.00	152
77.00	854	148.00	123	270.00	346	480.00	97
78.00	543	149.00	94	271.00	118	486.00	99
79.00	3293	152.00	155	274.00	163	499.00	94
80.00	945	153.00	102	279.00	97	505.00	116
81.00	2439	155.00	102	280.00	88	507.00	92

85.00	170	158.00	141	282.00	261	508.00	266
86.00	379	159.00	241	283.00	230	512.00	131
87.00	4551	160.00	103	290.00	121	517.00	93
88.00	3934	162.00	329	294.00	91	529.00	204
89.00	106	165.00	238	296.00	169	535.00	98
90.00	210	171.00	148	297.00	89	537.00	104
91.00	351	172.00	308	299.00	107	545.00	136
92.00	2372	173.00	378	304.00	99		
93.00	3584	174.00	62672	308.00	255		

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86009.d
Report Date: 21-Mar-2013 09:43

TestAmerica

Data file : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86009.d
Lab Smp Id: BFB
Inj Date : 21-MAR-2013 09:36
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/VOABFB.m
Meth Date : 02-May-2012 09:50 moroneyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

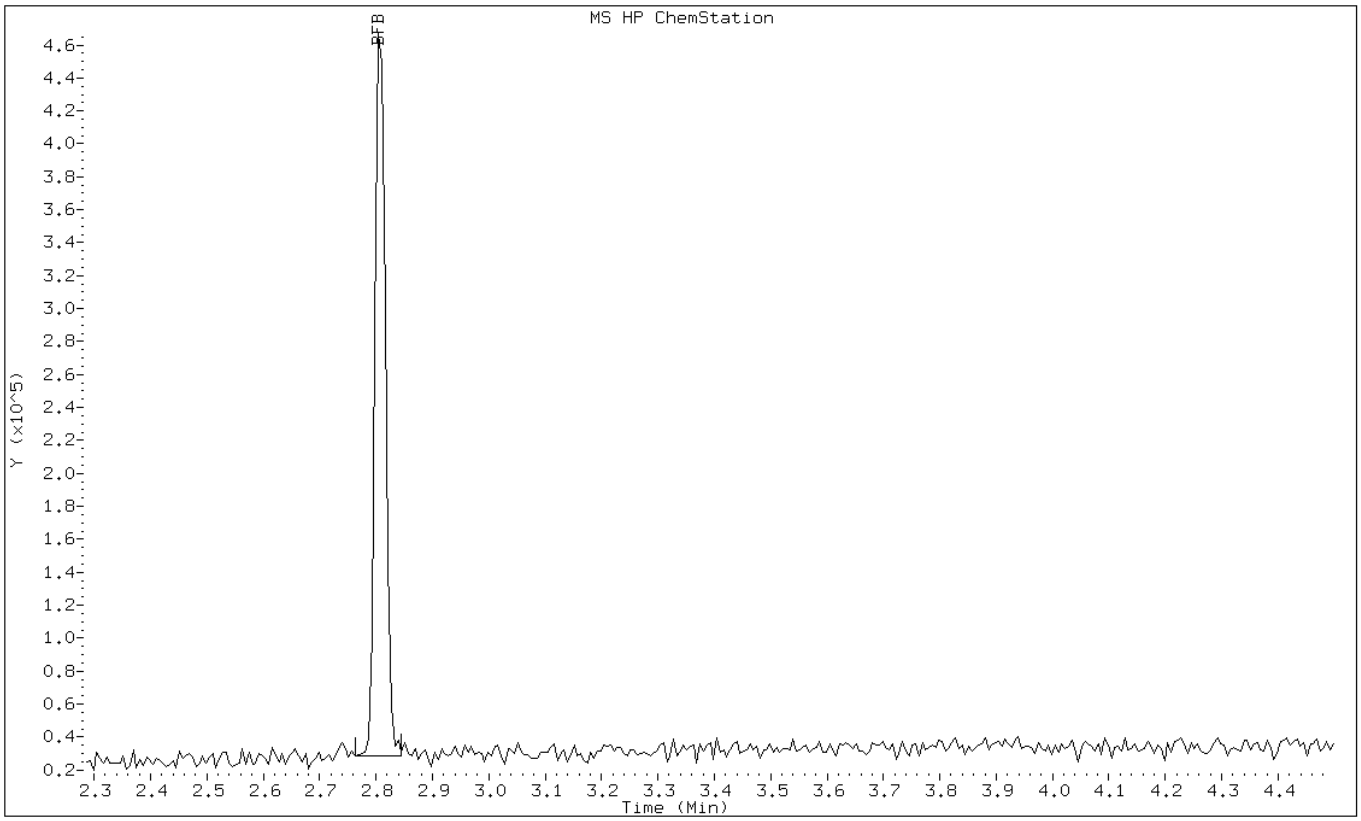
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.805	2.900 (0.000)	95	56720			0.00- 100.00	100.00
2.805	2.900 (0.000)	50	8738			15.00- 40.00	15.41
2.805	2.900 (0.000)	75	25520			30.00- 60.00	44.99
2.805	2.900 (0.000)	96	3291			5.00- 9.00	5.80
2.805	2.900 (0.000)	173	391			0.00- 2.00	0.83
2.805	2.900 (0.000)	174	47160			50.00- 100.00	83.15
2.805	2.900 (0.000)	175	3063			5.00- 9.00	6.49
2.805	2.900 (0.000)	176	45592			95.00- 101.00	96.68
2.805	2.900 (0.000)	177	3882			5.00- 9.00	8.51

Data File: a86009.d

Date: 21-MAR-2013 09:36

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1



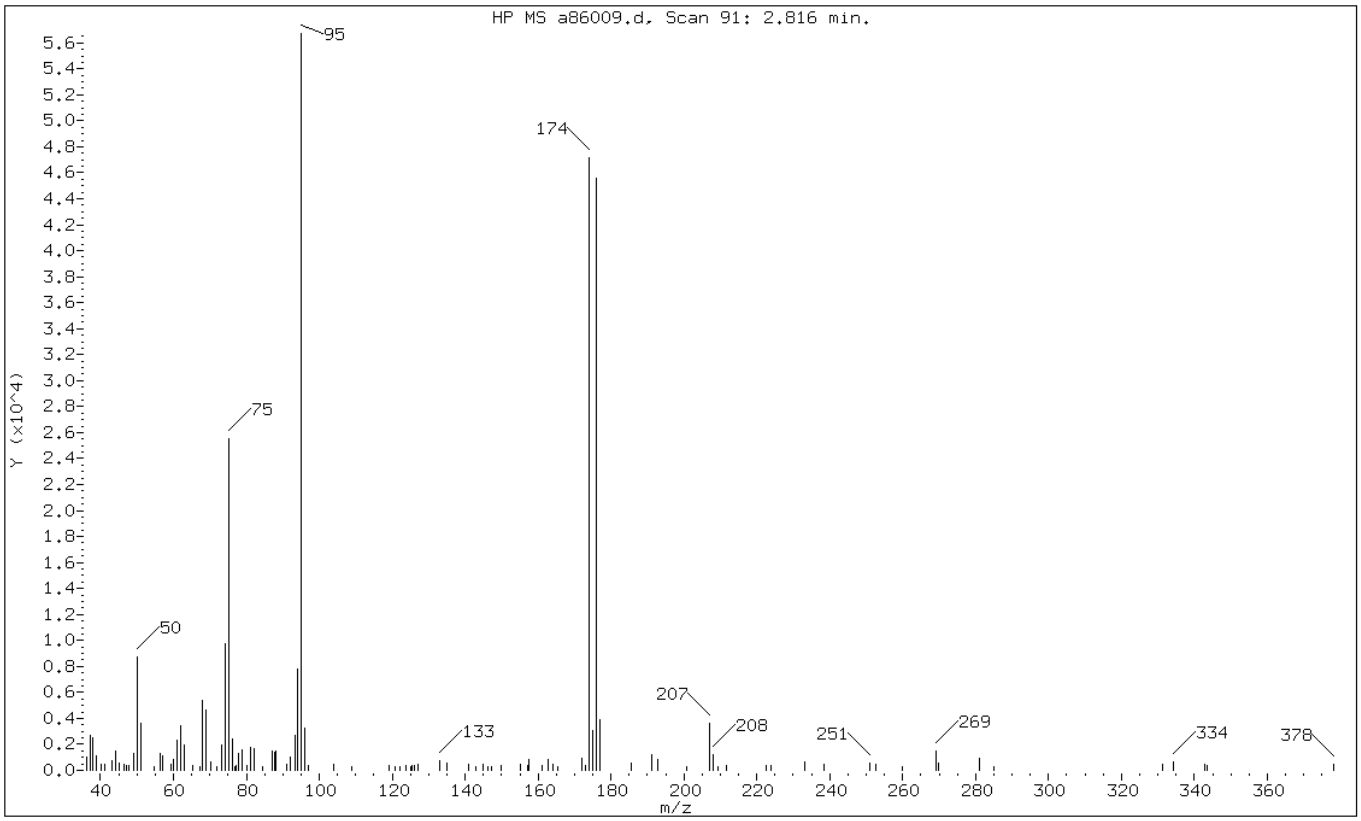
Data File: a86009.d

Date: 21-MAR-2013 09:36

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.41
75	30.00 - 60.00% of mass 95	44.99
96	5.00 - 9.00% of mass 95	5.80
173	Less than 2.00% of mass 174	0.69 (0.83)
174	50.00 - 100.00% of mass 95	83.15
175	5.00 - 9.00% of mass 174	5.40 (6.49)
176	95.00 - 101.00% of mass 174	80.38 (96.68)
177	5.00 - 9.00% of mass 176	6.84 (8.51)

Data File: a86009.d

Date: 21-MAR-2013 09:36

Client ID: Instrument: VOAMS1.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86009.d
Spectrum: HP MS a86009.d, Scan 91: 2.816 min.
Location of Maximum: 95.10
Number of points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.20	1006	70.20	650	120.80	255	177.00	3882
37.10	2692	72.00	298	122.10	294	185.40	594
37.90	2527	73.10	1962	123.90	397	191.10	1223
39.00	1083	74.10	9759	125.00	250	192.90	829
40.20	477	75.10	25520	125.50	415	200.80	282
41.10	447	76.10	2382	126.20	325	207.00	3646
43.20	771	76.80	310	127.20	424	208.10	1244
44.10	1464	77.20	373	133.10	700	209.30	270
45.10	577	77.80	1334	134.90	540	211.50	380
46.30	480	78.90	1533	141.10	494	222.60	391
47.20	362	80.10	331	142.80	297	223.90	326
47.90	372	81.00	1771	145.00	436	233.20	607
49.10	1336	82.00	1639	146.20	298	238.30	463
50.00	8738	84.30	252	147.30	256	250.90	518
51.10	3614	87.00	1509	150.00	340	252.80	476
54.60	261	87.80	1436	155.00	464	259.90	291
56.20	1329	88.20	1443	157.00	397	269.20	1442
57.10	1119	91.20	454	157.50	860	269.90	552
59.20	485	92.10	1062	161.10	346	281.10	916
60.00	863	93.20	2690	162.90	867	285.00	311
61.10	2303	94.10	7777	164.20	481	331.30	508
62.00	3392	95.10	56720	165.30	274	334.20	643
63.10	1911	96.00	3291	171.90	889	343.00	501
65.20	356	96.90	342	173.00	391	343.50	358
67.10	305	103.90	472	174.00	47160	378.20	447
68.00	5357	108.90	259	174.90	3063		
69.00	4677	119.00	409	176.00	45592		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-152136/4
Matrix: Water
Lab File ID: a86016.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 12:14
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	ND		1.0	0.10
75-01-4	Vinyl chloride	ND		1.0	0.14
74-83-9	Bromomethane	ND		1.0	0.18
75-00-3	Chloroethane	ND		1.0	0.17
75-35-4	1,1-Dichloroethene	ND		1.0	0.090
75-09-2	Methylene Chloride	ND		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.13
75-34-3	1,1-Dichloroethane	ND		1.0	0.13
67-66-3	Chloroform	ND		1.0	0.080
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.060
56-23-5	Carbon tetrachloride	ND		1.0	0.060
71-43-2	Benzene	ND		1.0	0.080
107-06-2	1,2-Dichloroethane	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.090
78-87-5	1,2-Dichloropropane	ND		1.0	0.090
75-27-4	Bromodichloromethane	ND		1.0	0.12
110-75-8	2-Chloroethyl vinyl ether	ND		1.0	0.34
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.18
108-88-3	Toluene	ND		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.24
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.19
127-18-4	Tetrachloroethene	ND		1.0	0.10
124-48-1	Dibromochloromethane	ND		1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.10
75-25-2	Bromoform	ND		1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.16
107-13-1	Acrylonitrile	ND		2.0	0.68
107-02-8	Acrolein	ND		4.0	1.3
75-65-0	TBA	ND		20	5.7
1634-04-4	MTBE	ND		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-152136/4
Matrix: Water
Lab File ID: a86016.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 12:14
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-130
2037-26-5	Toluene-d8 (Surr)	88		70-130
460-00-4	Bromofluorobenzene	97		70-130

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86016.d
Report Date: 21-Mar-2013 13:36

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86016.d
Lab Smp Id: MB
Inj Date : 21-MAR-2013 12:14
Operator : VOA GC/MS1 Inst ID: VOAMS1.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/624_09.m
Meth Date : 21-Mar-2013 10:37 jinf Quant Type: ISTD
Cal Date : 12-MAR-2013 08:34 Cal File: a85558.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

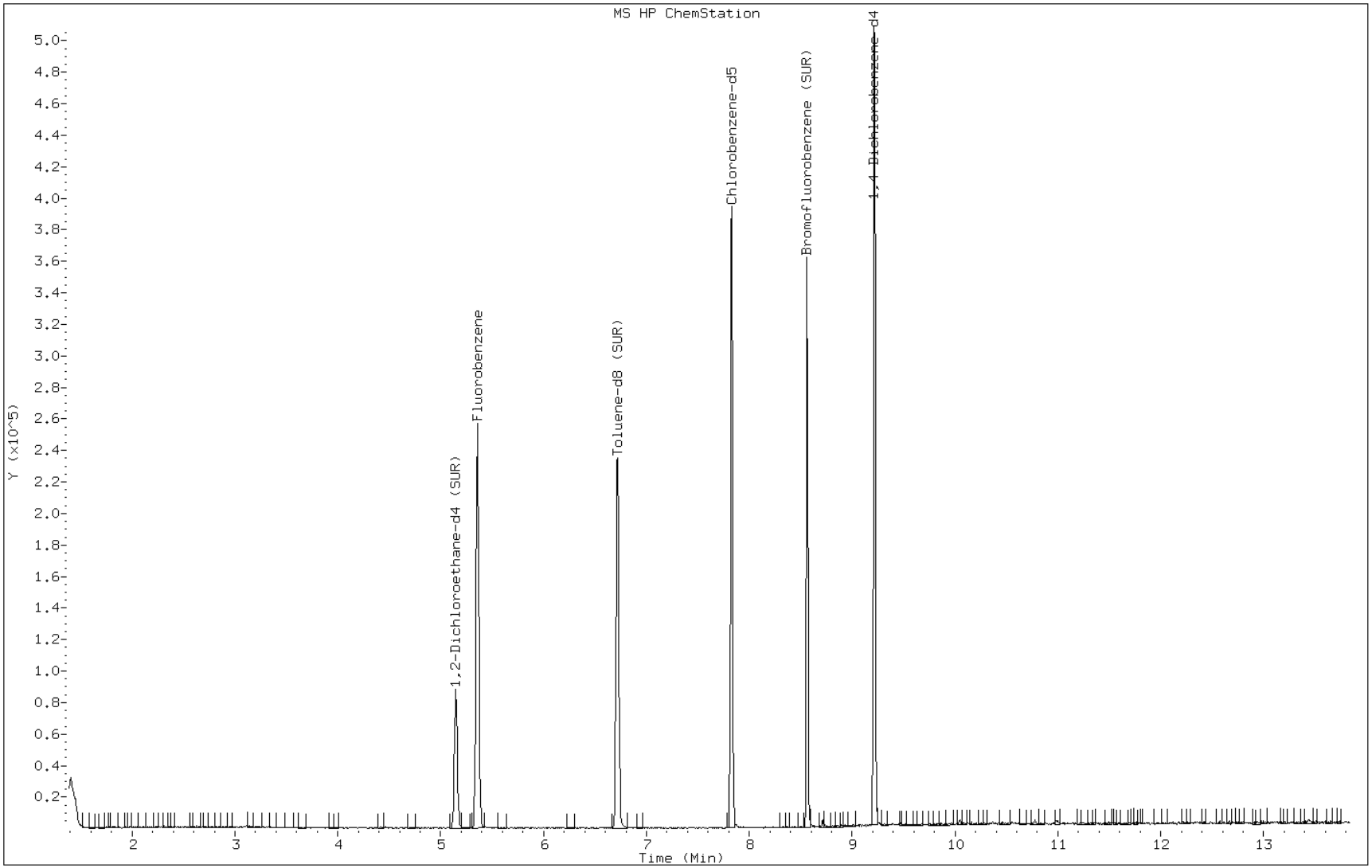
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 49 1,2-Dichloroethane-d4 (SUR)	65	5.148	5.148	(0.961)	63540	51.2546	51
* 52 Fluorobenzene	96	5.355	5.355	(1.000)	217661	50.0000	
$ 66 Toluene-d8 (SUR)	98	6.715	6.721	(0.858)	152208	44.2359	44
* 77 Chlorobenzene-d5	117	7.831	7.831	(1.000)	159267	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	8.562	8.568	(0.929)	63362	48.3520	48
* 105 1,4-Dichlorobenzene-d4	152	9.221	9.227	(1.000)	92242	50.0000	

Data File: a86016.d

Date: 21-MAR-2013 12:14

Client ID: Instrument: VOAMS1.i

Sample Info: MB Operator: VOA GC/MS1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-152136/3
Matrix: Water
Lab File ID: a86012.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 10:37
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	9.72		1.0	0.10
75-01-4	Vinyl chloride	13.2		1.0	0.14
74-83-9	Bromomethane	21.6		1.0	0.18
75-00-3	Chloroethane	16.2		1.0	0.17
75-35-4	1,1-Dichloroethene	21.0		1.0	0.090
75-09-2	Methylene Chloride	17.5		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	19.8		1.0	0.13
75-34-3	1,1-Dichloroethane	16.0		1.0	0.13
67-66-3	Chloroform	20.1		1.0	0.080
71-55-6	1,1,1-Trichloroethane	23.3		1.0	0.060
56-23-5	Carbon tetrachloride	24.5		1.0	0.060
71-43-2	Benzene	16.3		1.0	0.080
107-06-2	1,2-Dichloroethane	18.2		1.0	0.19
79-01-6	Trichloroethene	21.5		1.0	0.090
78-87-5	1,2-Dichloropropane	13.7		1.0	0.090
75-27-4	Bromodichloromethane	17.2		1.0	0.12
110-75-8	2-Chloroethyl vinyl ether	4.51		1.0	0.34
10061-01-5	cis-1,3-Dichloropropene	15.2		1.0	0.18
108-88-3	Toluene	17.2		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	16.6		1.0	0.24
79-00-5	1,1,2-Trichloroethane	15.6		1.0	0.19
127-18-4	Tetrachloroethene	21.8		1.0	0.10
124-48-1	Dibromochloromethane	18.7		1.0	0.20
108-90-7	Chlorobenzene	18.6		1.0	0.11
100-41-4	Ethylbenzene	18.8		1.0	0.10
75-25-2	Bromoform	19.9		1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	13.7		1.0	0.16
107-13-1	Acrylonitrile	10.8		2.0	0.68
107-02-8	Acrolein	30.0		4.0	1.3
75-65-0	TBA	303		20	5.7
1634-04-4	MTBE	18.5		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-152136/3
Matrix: Water
Lab File ID: a86012.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 10:37
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130
460-00-4	Bromofluorobenzene	99		70-130

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86012.d
Report Date: 21-Mar-2013 11:19

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86012.d
Lab Smp Id: LCS
Inj Date : 21-MAR-2013 10:37
Operator : VOA GC/MS1 Inst ID: VOAMS1.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/624_09.m
Meth Date : 21-Mar-2013 10:37 jinf Quant Type: ISTD
Cal Date : 12-MAR-2013 08:34 Cal File: a85558.d
Als bottle: 4 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
2 Dichlorodifluoromethane	85	1.606	1.594	(0.300)	37486	20.7934	21
4 Chloromethane	50	1.777	1.777	(0.332)	39185	9.72353	9.7
3 Vinyl Chloride	62	1.893	1.893	(0.353)	44757	13.2229	13
5 Bromomethane	94	2.234	2.234	(0.417)	30720	21.5906	22
6 Chloroethane	64	2.320	2.313	(0.433)	27079	16.2381	16
8 Trichlorofluoromethane	101	2.545	2.539	(0.475)	64321	26.2768	26
7 n-Pentane	72	2.551	2.557	(0.476)	14929	32.3008	32
20 Ethanol	46	2.783	2.777	(0.520)	11483	1305.11	1300(R)
10 Ethyl Ether	59	2.783	2.777	(0.520)	29478	15.1959	15
9 Isoprene	67	2.801	2.807	(0.523)	54219	17.2191	17
16 Acrolein	56	2.972	2.978	(0.555)	8542	30.0172	30
11 1,1-Dichloroethene	96	3.002	3.002	(0.561)	32672	21.0407	21
14 Freon TF	101	2.996	2.996	(0.559)	41319	24.0723	24
24 Acetone	58	3.112	3.112	(0.581)	4944	19.3400	19
15 Iodomethane	142	3.179	3.173	(0.594)	63926	23.9897	24
13 Carbon Disulfide	76	3.210	3.203	(0.599)	129324	16.7503	17

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86012.d
Report Date: 21-Mar-2013 11:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
26 Methyl Acetate	74	3.368	3.362	(0.629)	6398	17.0830	17
19 Acetonitrile	39	3.350	3.350	(0.625)	99007	294.584	290
22 Methylene Chloride	84	3.478	3.478	(0.649)	42994	17.5259	18
30 TBA	59	3.563	3.563	(0.665)	61814	303.498	300
29 MTBE	73	3.636	3.642	(0.679)	116897	18.4761	18
25 trans-1,2-Dichloroethene	96	3.661	3.661	(0.684)	41076	19.7570	20
17 Acrylonitrile	53	3.740	3.740	(0.698)	11068	10.8437	11
28 Hexane	56	3.813	3.807	(0.712)	33031	16.2606	16
32 DIPE	45	4.020	4.014	(0.751)	117213	12.4366	12(R)
27 Vinyl Acetate	86	4.057	4.057	(0.758)	15552	37.7996	38
33 1,1-Dichloroethane	63	4.045	4.045	(0.755)	76080	16.0223	16
34 Allyl Alcohol	57	4.106	4.100	(0.767)	33917	1950.73	2000
35 n-Propanol	60	4.136	4.136	(0.772)	7596	1904.94	1900(R)
31 t-Butyl ethyl ether	59	4.301	4.295	(0.803)	125874	15.8002	16
37 2,2-Dichloropropane	77	4.484	4.490	(0.837)	70053	21.5610	22
36 cis-1,2-Dichloroethene	96	4.508	4.502	(0.842)	47964	20.2773	20
42 Ethyl Acetate	70	4.514	4.520	(0.843)	8526	36.2065	36
46 2-Butanone	72	4.520	4.520	(0.844)	4669	18.7456	19
39 Bromochloromethane	128	4.697	4.697	(0.877)	22146	22.4575	22
43 Tetrahydrofuran	42	4.709	4.697	(0.879)	8293	10.8964	11
40 Chloroform	83	4.740	4.740	(0.885)	78399	20.1036	20
38 Cyclohexane	56	4.856	4.856	(0.907)	72800	15.3458	15
44 1,1,1-Trichloroethane	97	4.868	4.862	(0.909)	68381	23.3493	23
41 Carbon Tetrachloride	117	4.959	4.959	(0.926)	56720	24.5435	24
45 1,1-Dichloropropene	75	4.978	4.978	(0.929)	56588	20.2864	20
48 Benzene	78	5.142	5.136	(0.657)	170877	16.3302	16
$ 49 1,2-Dichloroethane-d4 (SUR)	65	5.148	5.148	(0.961)	72875	51.0295	51
62 Isopropyl Acetate	43	5.167	5.166	(0.965)	186063	24.7755	25
50 t-Amyl methyl ether	73	5.185	5.179	(0.968)	121903	18.7396	19
51 1,2-Dichloroethane	62	5.209	5.203	(0.973)	60460	18.2021	18
47 n-Heptane	57	5.246	5.246	(0.980)	33159	15.3328	15
* 52 Fluorobenzene	96	5.356	5.355	(1.000)	250740	50.0000	
57 n-Butanol	56	5.599	5.605	(1.046)	29664	1425.91	1400
55 Trichloroethene	95	5.630	5.630	(1.051)	45278	21.5311	22
53 Ethyl Acrylate	55	5.734	5.733	(1.071)	106887	15.7299	16
54 Methyl cyclohexane	83	5.734	5.733	(1.071)	79029	20.5212	20
58 1,2-Dichloropropane	63	5.862	5.868	(0.749)	39486	13.6867	14
60 Methyl Methacrylate	100	5.904	5.904	(0.754)	8495	18.3296	18
61 1,4-Dioxane	88	5.971	5.959	(0.763)	1353	92.8173	93
63 Propyl Acetate	43	5.947	5.947	(0.759)	40498	10.2456	10(R)
56 Dibromomethane	93	5.971	5.971	(0.763)	24469	17.8086	18
59 Bromodichloromethane	83	6.087	6.087	(0.777)	52856	17.1702	17
64 2-Chloroethyl Vinyl Ether	63	6.362	6.361	(0.812)	5817	4.51078	4.5
68 Epichlorohydrin	57	6.471	6.477	(0.826)	55916	297.611	300
65 cis-1,3-Dichloropropene	75	6.520	6.514	(0.833)	56504	15.2108	15
70 4-Methyl-2-Pentanone	43	6.642	6.642	(0.848)	28815	11.3546	11
$ 66 Toluene-d8 (SUR)	98	6.721	6.721	(0.858)	176834	46.3672	46

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86012.d
Report Date: 21-Mar-2013 11:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
67 Toluene	91	6.776	6.776	(0.865)	168353	17.2431	17
94 trans-1,3-Dichloropropene	75	7.008	7.008	(0.895)	50931	16.5955	16
71 1,1,2-Trichloroethane	83	7.154	7.160	(0.914)	27398	15.5537	16
69 Tetrachloroethene	166	7.197	7.197	(0.919)	42864	21.7743	22
73 1,3-Dichloropropane	76	7.294	7.294	(0.931)	53598	14.8411	15(R)
76 2-Hexanone	43	7.319	7.319	(0.935)	17289	11.9779	12
75 Butyl Acetate	73	7.373	7.373	(0.942)	16455	30.6275	31
72 Dibromochloromethane	129	7.434	7.434	(0.949)	34159	18.6579	19
74 1,2-Dibromoethane	107	7.538	7.538	(0.963)	32547	18.2245	18
* 77 Chlorobenzene-d5	117	7.831	7.831	(1.000)	176530	50.0000	
78 Chlorobenzene	112	7.849	7.849	(1.002)	109721	18.5671	18
79 Ethylbenzene	106	7.892	7.892	(1.008)	60650	18.8388	19
80 1,1,1,2-Tetrachloroethane	131	7.904	7.904	(1.009)	42588	20.8517	21
81 m+p-Xylene	106	7.965	7.965	(1.017)	158534	40.9684	41
85 Butyl Acrylate	73	8.184	8.184	(1.045)	24826	17.2823	17
82 o-Xylene	106	8.227	8.227	(1.051)	80964	21.1173	21
84 Styrene	104	8.239	8.239	(1.052)	131878	20.3223	20
88 Amyl Acetate	43	8.312	8.318	(1.062)	62655	13.6677	14
83 Bromoform	173	8.379	8.379	(1.070)	23881	19.9178	20
86 Isopropylbenzene	105	8.434	8.440	(1.077)	213961	21.8485	22
$ 89 Bromofluorobenzene (SUR)	174	8.562	8.568	(0.929)	76101	49.2549	49
87 Camphene (total)	41	8.581	8.587	(0.931)	21652	13.9581	14
92 1,1,2,2-Tetrachloroethane	83	8.654	8.660	(0.939)	50461	13.7033	14
90 Bromobenzene	156	8.654	8.660	(0.939)	52612	19.0424	19
91 n-Propylbenzene	91	8.672	8.678	(0.941)	269319	17.8372	18
95 1,2,3-Trichloropropane	110	8.690	8.696	(0.943)	14166	16.5999	16
93 2-Chlorotoluene	91	8.751	8.757	(0.950)	211898	17.6831	18
96 1,3,5-Trimethylbenzene	105	8.776	8.782	(0.952)	198639	19.2724	19
99 Butyl Methacrylate	87	8.806	8.812	(0.956)	58424	17.1671	17
98 4-Chlorotoluene	91	8.818	8.824	(0.957)	175062	18.0385	18
102 tert-Butylbenzene	119	8.959	8.965	(0.972)	153933	19.4233	19
100 1,2,4-Trimethylbenzene	105	8.989	9.001	(0.976)	198504	19.5950	20
101 sec-Butylbenzene	105	9.074	9.086	(0.985)	249456	19.1748	19
103 p-Isopropyltoluene	119	9.154	9.160	(0.993)	212098	20.4700	20
104 1,3-Dichlorobenzene	146	9.178	9.190	(0.996)	110065	18.9051	19
* 105 1,4-Dichlorobenzene-d4	152	9.215	9.227	(1.000)	108756	50.0000	
106 1,4-Dichlorobenzene	146	9.233	9.239	(1.002)	113603	18.9645	19
109 Benzyl Chloride	91	9.312	9.324	(1.011)	100871	16.4266	16
110 n-Butylbenzene	91	9.385	9.397	(1.019)	293670	18.7230	19
111 1,2-Dichlorobenzene	146	9.458	9.471	(1.026)	108343	18.9976	19
112 1,2-Dibromo-3-chloropropane	75	9.964	9.977	(1.081)	9786	15.3399	15
115 Camphor	95	10.477	10.495	(1.137)	23617	82.9167	83
113 1,2,4-Trichlorobenzene	180	10.550	10.562	(1.145)	79244	20.6838	21
114 Hexachlorobutadiene	225	10.623	10.641	(1.153)	42626	21.0144	21
116 Naphthalene	128	10.781	10.793	(1.170)	156697	19.3090	19
117 1,2,3-Trichlorobenzene	180	10.989	11.007	(1.193)	67766	20.4645	20
M 120 1,2-Dichloroethene (Total)	100				89041	36.8885	37

Data File: /chem/VOAMS1.i/624_09/03-12-13/21mar13.b/a86012.d
Report Date: 21-Mar-2013 11:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M 121 Xylene (Total)	100				239499	62.0856	62

QC Flag Legend

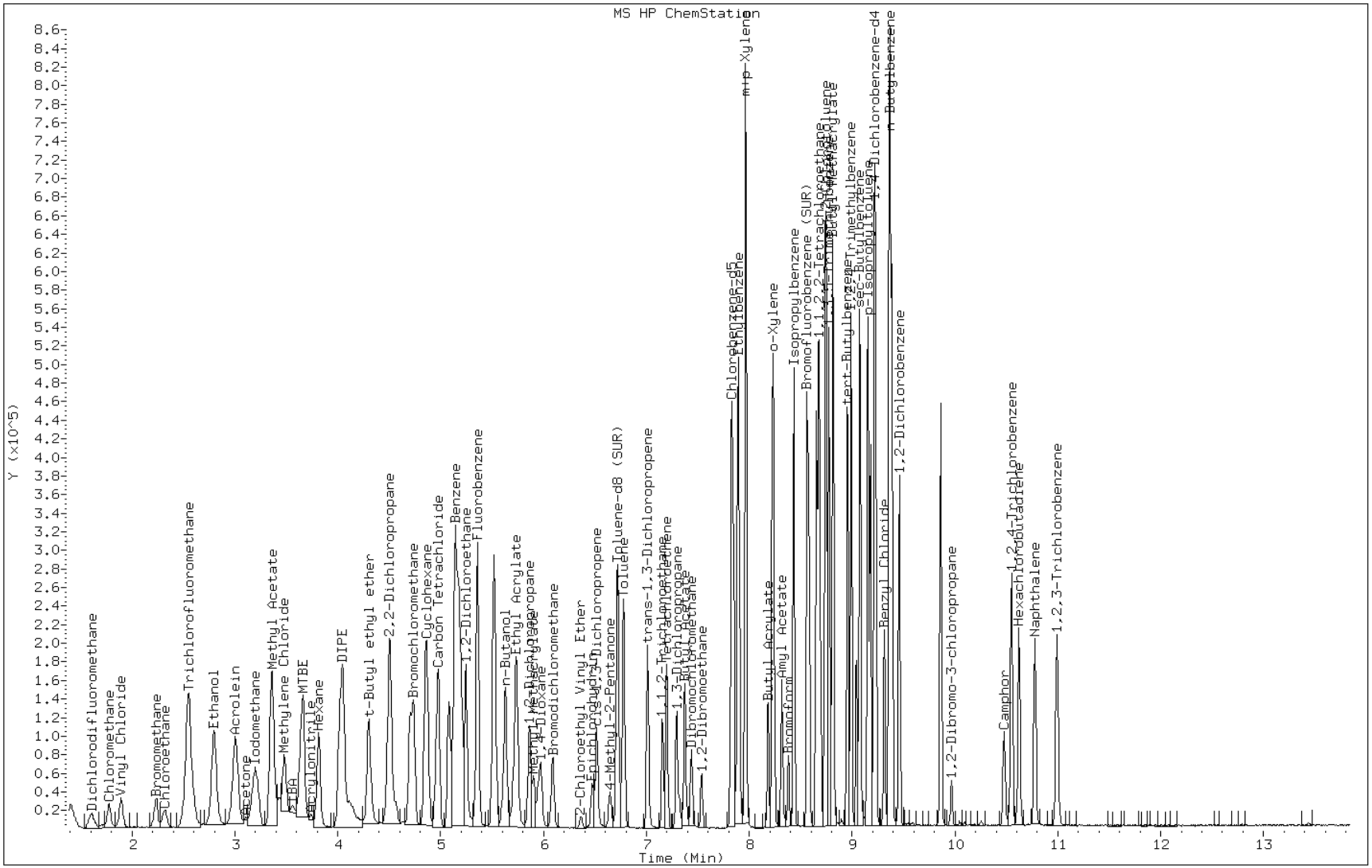
R - Spike/Surrogate failed recovery limits.

Data File: a86012.d

Date: 21-MAR-2013 10:37

Client ID: Instrument: VOAMS1.i

Sample Info: LCS Operator: VOA GC/MS1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-52642-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-52471-A-15 MS

Matrix: Water | Lab File ID: a86018.d

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/21/2013 12:55

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 152136 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	91.9		10	1.0
75-01-4	Vinyl chloride	119		10	1.4
74-83-9	Bromomethane	208		10	1.8
75-00-3	Chloroethane	155		10	1.7
75-35-4	1,1-Dichloroethene	190		10	0.90
75-09-2	Methylene Chloride	167		10	1.8
156-60-5	trans-1,2-Dichloroethene	183		10	1.3
75-34-3	1,1-Dichloroethane	143		10	1.3
67-66-3	Chloroform	187		10	0.80
71-55-6	1,1,1-Trichloroethane	209		10	0.60
56-23-5	Carbon tetrachloride	216		10	0.60
71-43-2	Benzene	139		10	0.80
107-06-2	1,2-Dichloroethane	170		10	1.9
79-01-6	Trichloroethene	190		10	0.90
78-87-5	1,2-Dichloropropane	120		10	0.90
75-27-4	Bromodichloromethane	150		10	1.2
110-75-8	2-Chloroethyl vinyl ether	ND		10	3.4
10061-01-5	cis-1,3-Dichloropropene	125		10	1.8
108-88-3	Toluene	151		10	1.5
10061-02-6	trans-1,3-Dichloropropene	137		10	2.4
79-00-5	1,1,2-Trichloroethane	137		10	1.9
127-18-4	Tetrachloroethene	445		10	1.0
124-48-1	Dibromochloromethane	162		10	2.0
108-90-7	Chlorobenzene	165		10	1.1
100-41-4	Ethylbenzene	163		10	1.0
75-25-2	Bromoform	161		10	1.9
79-34-5	1,1,2,2-Tetrachloroethane	124		10	1.6
107-13-1	Acrylonitrile	130		20	6.8
107-02-8	Acrolein	286		40	13
75-65-0	TBA	2640		200	57
1634-04-4	MTBE	167		10	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: 460-52471-A-15 MS
Matrix: Water
Lab File ID: a86018.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 12:55
Soil Aliquot Vol:
Dilution Factor: 10
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		70-130
2037-26-5	Toluene-d8 (Surr)	91		70-130
460-00-4	Bromofluorobenzene	98		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: 460-52471-A-15 MSD
Matrix: Water
Lab File ID: a86019.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 13:14
Soil Aliquot Vol:
Dilution Factor: 10
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	105		10	1.0
75-01-4	Vinyl chloride	136		10	1.4
74-83-9	Bromomethane	220		10	1.8
75-00-3	Chloroethane	171		10	1.7
75-35-4	1,1-Dichloroethene	211		10	0.90
75-09-2	Methylene Chloride	189		10	1.8
156-60-5	trans-1,2-Dichloroethene	203		10	1.3
75-34-3	1,1-Dichloroethane	162		10	1.3
67-66-3	Chloroform	210		10	0.80
71-55-6	1,1,1-Trichloroethane	231		10	0.60
56-23-5	Carbon tetrachloride	246		10	0.60
71-43-2	Benzene	167		10	0.80
107-06-2	1,2-Dichloroethane	190		10	1.9
79-01-6	Trichloroethene	210		10	0.90
78-87-5	1,2-Dichloropropane	142		10	0.90
75-27-4	Bromodichloromethane	176		10	1.2
110-75-8	2-Chloroethyl vinyl ether	ND		10	3.4
10061-01-5	cis-1,3-Dichloropropene	157		10	1.8
108-88-3	Toluene	181		10	1.5
10061-02-6	trans-1,3-Dichloropropene	167		10	2.4
79-00-5	1,1,2-Trichloroethane	161		10	1.9
127-18-4	Tetrachloroethene	473		10	1.0
124-48-1	Dibromochloromethane	193		10	2.0
108-90-7	Chlorobenzene	194		10	1.1
100-41-4	Ethylbenzene	194		10	1.0
75-25-2	Bromoform	201		10	1.9
79-34-5	1,1,2,2-Tetrachloroethane	140		10	1.6
107-13-1	Acrylonitrile	148		20	6.8
107-02-8	Acrolein	308		40	13
75-65-0	TBA	3050		200	57
1634-04-4	MTBE	191		10	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: 460-52471-A-15 MSD
Matrix: Water
Lab File ID: a86019.d
Analysis Method: 624
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/21/2013 13:14
Soil Aliquot Vol:
Dilution Factor: 10
Soil Extract Vol.:
GC Column: Rtx-624 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 152136
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130
460-00-4	Bromofluorobenzene	97		70-130

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: VOAMS1 Start Date: 03/12/2013 02:47

Analysis Batch Number: 150795 End Date: 03/13/2013 02:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-150795/1		03/12/2013 02:47	1	a85544.d	Rtx-624 0.25(mm)
ICIS 460-150795/2		03/12/2013 03:28	1	a85546.d	Rtx-624 0.25(mm)
IC 460-150795/3		03/12/2013 07:14	1	a85554.d	Rtx-624 0.25(mm)
IC 460-150795/4		03/12/2013 07:34	1	a85555.d	Rtx-624 0.25(mm)
IC 460-150795/5		03/12/2013 07:54	1	a85556.d	Rtx-624 0.25(mm)
IC 460-150795/6		03/12/2013 08:14	1	a85557.d	Rtx-624 0.25(mm)
IC 460-150795/7		03/12/2013 08:34	1	a85558.d	Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 10:38	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 10:38	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 11:38	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 11:59	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 12:20	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 12:41	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 13:02	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 13:24	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 13:45	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 14:06	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 14:28	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 14:49	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 15:11	2		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 15:32	10		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 15:52	10		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 16:52	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 17:13	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 17:35	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 17:57	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 18:17	5		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 18:37	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 18:59	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 19:20	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 19:42	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 20:03	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 20:24	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 21:44	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 22:05	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 22:27	1		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 22:48	5		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 23:08	5		Rtx-624 0.25(mm)
ZZZZZ		03/12/2013 23:28	5		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 00:29	1		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 00:50	1		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 01:33	1		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 01:54	1		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 02:16	1		Rtx-624 0.25(mm)
ZZZZZ		03/13/2013 02:37	1		Rtx-624 0.25(mm)

624

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: VOAMS1 Start Date: 03/21/2013 09:36

Analysis Batch Number: 152136 End Date: 03/22/2013 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-152136/1		03/21/2013 09:36	1	a86009.d	Rtx-624 0.25(mm)
CCVIS 460-152136/2		03/21/2013 10:17	1	a86011.d	Rtx-624 0.25(mm)
LCS 460-152136/3		03/21/2013 10:37	1	a86012.d	Rtx-624 0.25(mm)
MB 460-152136/4		03/21/2013 12:14	1	a86016.d	Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 12:34	2		Rtx-624 0.25(mm)
460-52471-A-15 MS		03/21/2013 12:55	10	a86018.d	Rtx-624 0.25(mm)
460-52471-A-15 MSD		03/21/2013 13:14	10	a86019.d	Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 14:15	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 14:35	1		Rtx-624 0.25(mm)
460-52642-1	INFLUENT	03/21/2013 14:55	1	a86024.d	Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 16:03	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 16:24	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 16:44	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 17:04	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 17:25	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 17:46	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 18:07	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 18:27	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 18:48	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 19:09	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 19:29	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 19:48	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 20:10	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 21:11	5		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 22:11	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 22:32	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 22:32	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 23:32	1		Rtx-624 0.25(mm)
ZZZZZ		03/21/2013 23:52	2		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 00:12	10		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 00:32	10		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 01:51	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 02:11	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 02:32	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 02:52	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 03:12	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 03:32	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 03:53	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 04:14	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 04:34	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 04:55	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 05:15	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 05:35	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 05:55	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 06:15	1		Rtx-624 0.25(mm)

624

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: VOAMS1 Start Date: 03/21/2013 09:36

Analysis Batch Number: 152136 End Date: 03/22/2013 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/22/2013 06:37	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 06:57	1		Rtx-624 0.25(mm)
ZZZZZ		03/22/2013 07:17	1		Rtx-624 0.25(mm)

624

Method 625

Semivolatile Organic Compounds (GC/MS) by Method 625

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
INFLUENT	460-52642-1	40	26	89	75	79	95
	MB 460-152013/1-A	47	31	91	82	80	99
	LCS 460-152013/2-A	44	28	88	88	87	100
	LCSD 460-152013/3-A	44	29	94	89	92	89

	QC LIMITS
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Column to be used to flag recovery values

FORM II 625

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
INFLUENT	460-52642-1	33	21	71	65	68	80
	MB 240-79226/2-A	52	34	91	88	73	108
	LCS 240-79226/3-A	42	28	77	69	65	81

	QC LIMITS
2FP = 2-Fluorophenol	10-135
PHL = Phenol-d5	10-132
NBZ = Nitrobenzene-d5	44-110
FBP = 2-Fluorobiphenyl (Surr)	38-110
TBP = 2,4,6-Tribromophenol	10-142
TPH = Terphenyl-d14	24-135

Column to be used to flag recovery values

FORM II 625

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30326023.D

Lab ID: LCS 240-79226/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	20.0	14.1	70	44-142	
1,2-Dichlorobenzene	20.0	14.9	75	32-129	
1,3-Dichlorobenzene	20.0	14.6	73	0-172	
1,4-Dichlorobenzene	20.0	12.2	61	20-124	
2,4-Dichlorophenol	20.0	12.4	62	39-135	
2,4-Dimethylphenol	20.0	10.3	51	32-119	
2,4-Dinitrophenol	20.0	8.02 J	40	0-191	
2,4-Dinitrotoluene	20.0	18.1	91	39-139	
2,6-Dinitrotoluene	20.0	17.7	89	50-158	
2-Chloronaphthalene	20.0	14.4	72	60-118	
2-Chlorophenol	20.0	12.3	61	23-134	
2-Nitrophenol	20.0	13.3	67	29-182	
3,3'-Dichlorobenzidine	20.0	10.1	50	0-262	
4,6-Dinitro-2-methylphenol	20.0	10.8 J	54	0-181	
4-Bromophenyl phenyl ether	20.0	15.3	77	53-127	
4-Chlorophenyl phenyl ether	20.0	15.2	76	25-158	
4-Nitrophenol	20.0	4.91 J	25	0-132	
Acenaphthene	20.0	15.6	78	47-145	
Acenaphthylene	20.0	16.2	81	33-145	
Anthracene	20.0	17.4	87	27-133	
Benzo[a]anthracene	20.0	16.4	82	33-143	
Benzo[a]pyrene	20.0	16.6	83	17-163	
Benzo[b]fluoranthene	20.0	16.1	80	24-159	
Benzo[g,h,i]perylene	20.0	16.8	84	0-219	
Benzo[k]fluoranthene	20.0	16.9	85	11-162	
Bis(2-chloroethoxy)methane	20.0	14.9	75	33-184	
Bis(2-chloroethyl)ether	20.0	15.3	77	12-158	
Bis(2-ethylhexyl) phthalate	20.0	16.8	84	8-158	
Butyl benzyl phthalate	20.0	17.2	86	0-152	
Chrysene	20.0	17.2	86	17-168	
Dibenz(a,h)anthracene	20.0	16.6	83	0-227	
Diethyl phthalate	20.0	16.0	80	0-114	
Dimethyl phthalate	20.0	14.5	72	0-112	
Di-n-butyl phthalate	20.0	16.5	83	1-118	
Di-n-octyl phthalate	20.0	15.9	79	4-146	
Fluoranthene	20.0	17.1	85	26-137	
Fluorene	20.0	16.0	80	59-121	
Hexachlorobenzene	20.0	14.6	73	0-152	
Hexachlorobutadiene	20.0	14.0	70	24-116	
Hexachloroethane	20.0	15.1	75	40-113	
Indeno[1,2,3-cd]pyrene	20.0	15.7	79	0-171	
Isophorone	20.0	16.1	80	21-196	

Column to be used to flag recovery and RPD values

FORM III 625

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30326023.D

Lab ID: LCS 240-79226/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	15.4	77	21-133	
Nitrobenzene	20.0	15.6	78	35-180	
N-Nitrosodi-n-propylamine	20.0	14.9	74	0-230	
4-Chloro-3-methylphenol	20.0	12.2	61	22-147	
Pentachlorophenol	20.0	11.6	58	14-176	
Phenanthrene	20.0	16.2	81	54-120	
Phenol	20.0	5.78 J	29	5-112	
Pyrene	20.0	16.6	83	52-115	

Column to be used to flag recovery and RPD values

FORM III 625

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab File ID: m63165.d Lab Sample ID: MB 460-152013/1-A

Matrix: Water Date Extracted: 03/21/2013 07:15

Instrument ID: BNAMS6 Date Analyzed: 03/21/2013 08:23

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCSD 460-152013/3-A	m63164.d	03/21/2013 08:00
INFLUENT	460-52642-1	m63166.d	03/21/2013 08:45
	LCS 460-152013/2-A	m63167.d	03/21/2013 11:27

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Lab File ID: 30326022.D Lab Sample ID: MB 240-79226/2-A

Matrix: Water Date Extracted: 03/23/2013 11:09

Instrument ID: A4HP7 Date Analyzed: 03/26/2013 17:50

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-79226/3-A	30326023.D	03/26/2013 18:14
INFLUENT	460-52642-1	30326028.D	03/27/2013 08:03

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab File ID: m63142.d DFTPP Injection Date: 03/20/2013

Instrument ID: BNAMS6 DFTPP Injection Time: 19:35

Analysis Batch No.: 152058

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	53.3	
68	Less than 2.0 % of mass 69	0.2	(0.2)1
69	Mass 69 relative abundance	74.7	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	54.2	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	19.5	
365	Greater than 1.0 % of mass 198	2.8	
441	Present but less than mass 443	11.8	(80.2)3
442	Greater than 40.0 % of mass 198	75.0	
443	17.0 - 23.0 % of mass 442	14.8	(19.7)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-152058/2	m63143.d	03/20/2013	21:16
	IC 460-152058/3	m63144.d	03/20/2013	21:42
	IC 460-152058/4	m63145.d	03/20/2013	22:05
	IC 460-152058/5	m63146.d	03/20/2013	22:27
	IC 460-152058/6	m63147.d	03/20/2013	22:50
	LCSD 460-152013/3-A	m63164.d	03/21/2013	08:00
	MB 460-152013/1-A	m63165.d	03/21/2013	08:23
INFLUENT	460-52642-1	m63166.d	03/21/2013	08:45
	LCS 460-152013/2-A	m63167.d	03/21/2013	11:27

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Lab File ID: 30326001.D DFTPP Injection Date: 03/26/2013

Instrument ID: A4HP7 DFTPP Injection Time: 09:31

Analysis Batch No.: 79448

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	36.9	
68	Less than 2.0% of mass 69	0.6	(1.6)1
69	Mass 69 relative abundance	39.9	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	51.6	
197	Less than 1.0% of mass 198	0.7	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.2	
275	10.0- 30.0% of mass 198	22.8	
365	Greater than 0.75% of mass 198	2.6	
441	Present, but less than mass 443	10.0	
442	40.0 - 110.0% of mass 198	70.6	
443	15.0 - 24.0% of mass 442	13.1	(18.6)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-79448/2	30326002.D	03/26/2013	09:55
	STD4 240-79448/3	30326003.D	03/26/2013	10:18
	STD3 240-79448/4	30326004.D	03/26/2013	10:42
	STD2 240-79448/5	30326005.D	03/26/2013	11:06
	STD1 240-79448/6	30326006.D	03/26/2013	11:30
	STD9 240-79448/7	30326007.D	03/26/2013	11:53
	STD8 240-79448/8	30326008.D	03/26/2013	12:17
	STD7 240-79448/9	30326009.D	03/26/2013	12:41
	STD6 240-79448/10	30326010.D	03/26/2013	13:05
	ICV 240-79448/11	30326011.D	03/26/2013	13:29
	STD9 240-79448/13	30326013.D	03/26/2013	14:16
	STD8 240-79448/14	30326014.D	03/26/2013	14:40
	STD7 240-79448/15	30326015.D	03/26/2013	15:04
	STD6 240-79448/16	30326016.D	03/26/2013	15:28
	STD5 240-79448/17	30326017.D	03/26/2013	15:51
	STD4 240-79448/18	30326018.D	03/26/2013	16:15
	STD3 240-79448/19	30326019.D	03/26/2013	16:39
	STD2 240-79448/20	30326020.D	03/26/2013	17:03
	ICV 240-79448/21	30326021.D	03/26/2013	17:27
	MB 240-79226/2-A	30326022.D	03/26/2013	17:50
	LCS 240-79226/3-A	30326023.D	03/26/2013	18:14
INFLUENT	460-52642-1	30326028.D	03/27/2013	08:03

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Sample No.: ICIS 460-152058/2 Date Analyzed: 03/20/2013 21:16

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): m63143.d Heated Purge: (Y/N) N

Calibration ID: 20750

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		305451	4.53	916917	5.81	473453	7.57
UPPER LIMIT		610902	5.03	1833834	6.31	946906	8.07
LOWER LIMIT		152726	4.03	458459	5.31	236727	7.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCSD 460-152013/3-A		318400	4.52	942157	5.81	515878	7.56
MB 460-152013/1-A		372830	4.52	1170146	5.81	687149	7.56
460-52642-1	INFLUENT	316129	4.53	899674	5.81	537320	7.56
LCS 460-152013/2-A		298591	4.53	967749	5.81	496040	7.56

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 625

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

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Sample No.: ICIS 460-152058/2 Date Analyzed: 03/20/2013 21:16

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): m63143.d Heated Purge: (Y/N) N

Calibration ID: 20750

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		556622	9.03	361092	11.84	284601	13.79
UPPER LIMIT		1113244	9.53	722184	12.34	569202	14.29
LOWER LIMIT		278311	8.53	180546	11.34	142301	13.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCSD 460-152013/3-A		572630	9.03	376350	11.83	294648	13.78
MB 460-152013/1-A		808390	9.03	472650	11.82	387313	13.78
460-52642-1	INFLUENT	595105	9.03	338251	11.82	305871	13.78
LCS 460-152013/2-A		542623	9.03	371349	11.84	280836	13.79

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 625

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

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Sample No.: STD6 240-79448/10 Date Analyzed: 03/26/2013 13:05

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 30326010.D Heated Purge: (Y/N) N

Calibration ID: 14265

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		265483	5.92	1039919	7.04	608045	8.56
UPPER LIMIT		530966	6.42	2079838	7.54	1216090	9.06
LOWER LIMIT		132742	5.42	519960	6.54	304023	8.06
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-79448/11		290579	5.92	1152244	7.04	693603	8.55
ICV 240-79448/21		252394	5.92	1031824	7.04	604448	8.55
MB 240-79226/2-A		217082	5.92	852042	7.04	488650	8.55
LCS 240-79226/3-A		250663	5.92	1016463	7.04	616685	8.55
460-52642-1	INFLUENT	251524	5.92	1024174	7.05	645614	8.56

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 625

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

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Sample No.: STD6 240-79448/10 Date Analyzed: 03/26/2013 13:05

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 30326010.D Heated Purge: (Y/N) N

Calibration ID: 14265

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		969063	9.83	1099308	12.40	912884	14.49
UPPER LIMIT		1938126	10.33	2198616	12.90	1825768	14.99
LOWER LIMIT		484532	9.33	549654	11.90	456442	13.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-79448/11		1099311	9.83	1266326	12.41	1044766	14.50
ICV 240-79448/21		984403	9.82	1040408	12.40	837073	14.49
MB 240-79226/2-A		808255	9.82	871777	12.40	662347	14.49
LCS 240-79226/3-A		968761	9.82	1106089	12.40	878117	14.49
460-52642-1	INFLUENT	1054939	9.83	1136710	12.41	948129	14.51

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 625

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: m63166.d

Analysis Method: 625 | Date Collected: 03/20/2013 06:30

Extract. Method: 625 | Date Extracted: 03/21/2013 07:15

Sample wt/vol: 970(mL) | Date Analyzed: 03/21/2013 08:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 152058 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	ND		1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	40		10-65
4165-62-2	Phenol-d5	26		10-48
4165-60-0	Nitrobenzene-d5	89		56-112
321-60-8	2-Fluorobiphenyl	75		53-108
118-79-6	2,4,6-Tribromophenol	79		46-122
1718-51-0	Terphenyl-d14	95		50-122

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63166.d
Report Date: 21-Mar-2013 14:00

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63166.d
Lab Smp Id: 460-52642-I-1-A Client Smp ID: INFLUENT
Inj Date : 21-MAR-2013 08:45
Operator : BNAMS 1 Inst ID: BNAMS6.i
Smp Info : 460-52642-I-1-A
Misc Info : 460-52642-I-1-A
Comment :
Method : /chem/BNAMS6.i/625/03-20-13/20mar13.b/625BNA_11.m
Meth Date : 21-Mar-2013 07:53 croccom Quant Type: ISTD
Cal Date : 20-MAR-2013 22:50 Cal File: m63147.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	970.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.239	3.234	(0.716)	312349	20.1282	41.5
$ 17 Phenol-d5 (SUR)	99	4.145	4.138	(0.916)	207312	13.0354	26.9
* 79 1,4-Dichlorobenzene-d4	152	4.525	4.526	(1.000)	316129	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.079	5.070	(0.874)	692700	44.7088	92.2
* 80 Naphthalene-d8	136	5.810	5.805	(1.000)	899674	40.0000	
34 2-Methylnaphthalene	142	6.523	6.520	(1.123)	562822	38.3356	79.0
119 1-Methylnaphthalene	142	6.628	6.616	(1.141)	850107	58.0381	120
$ 77 2-Fluorobiphenyl (SUR)	172	6.891	6.885	(0.911)	618952	37.5381	77.4
120 1,3-Dimethylnaphthalene	156	7.224	7.222	(0.955)	395208	30.3972	62.7
* 82 Acenaphthene-d10	164	7.563	7.559	(1.000)	537320	40.0000	
42 Acenaphthene	154	7.593	7.589	(1.004)	37618	2.47657	5.11
43 Dibenzofuran	168	7.759	7.762	(1.026)	44348	2.24888	4.64
47 Fluorene	166	8.098	8.097	(1.071)	52820	3.28850	6.78
$ 18 2,4,6-Tribromophenol (SUR)	330	8.339	8.336	(1.103)	97238	39.3021	81.0
* 83 Phenanthrene-d10	188	9.027	9.029	(1.000)	595105	40.0000	

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63166.d
Report Date: 21-Mar-2013 14:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
52 Phenanthrene	178	9.049	9.044	(1.002)	54622	3.11599	6.42
57 Pyrene	202	10.444	10.444	(0.883)	2656	0.21349	0.440
$ 78 Terphenyl-d14	244	10.603	10.599	(0.897)	387284	47.5002	97.9
* 81 Chrysene-d12	240	11.824	11.826	(1.000)	338251	40.0000	
* 84 Perylene-d12	264	13.777	13.782	(1.000)	305871	40.0000	

Data File: m63166.d

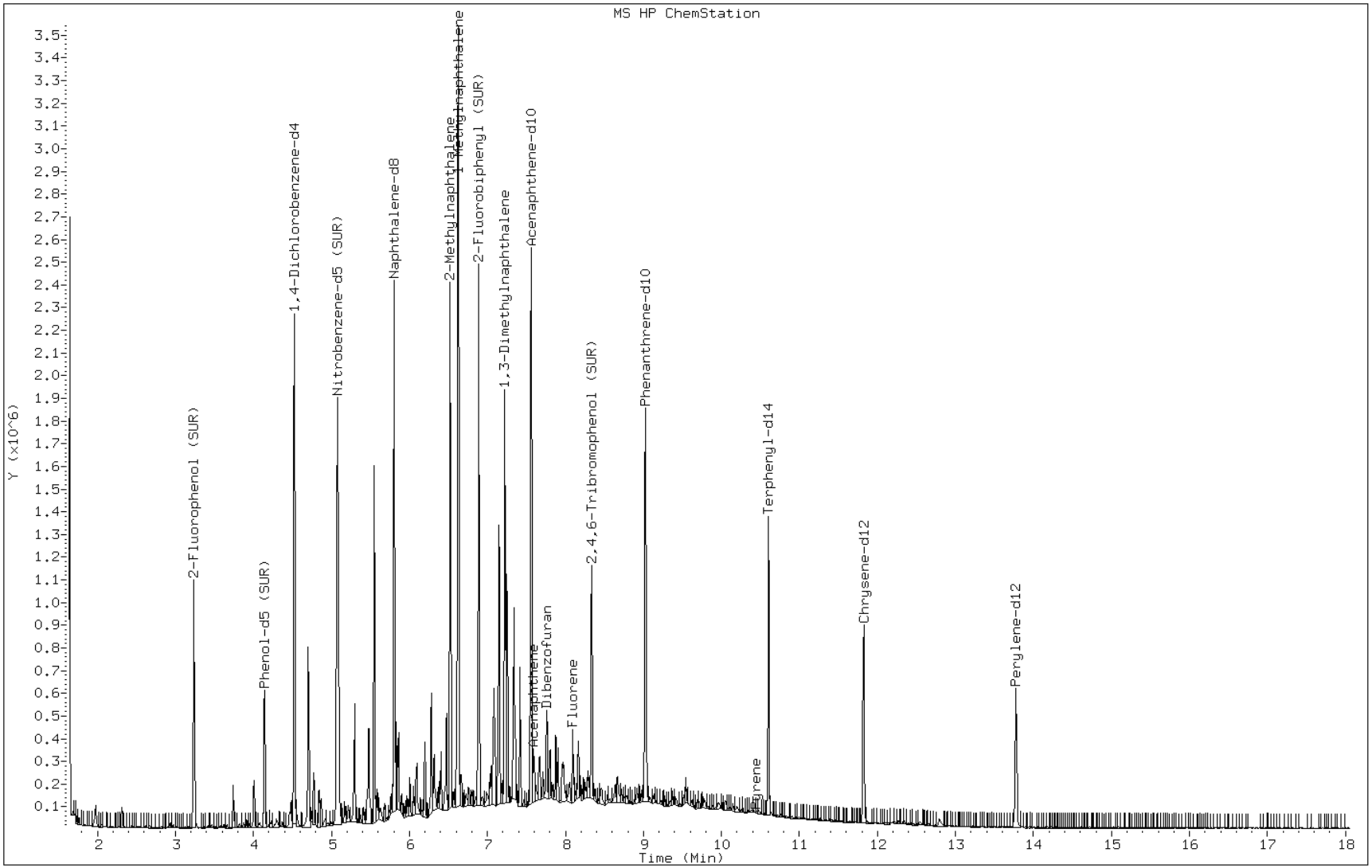
Date: 21-MAR-2013 08:45

Client ID: INFLUENT

Instrument: BNAMS6.i

Sample Info: 460-52642-I-1-A

Operator: BNAMS 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: 30326028.D

Analysis Method: 625 | Date Collected: 03/20/2013 06:30

Extract. Method: 625 | Date Extracted: 03/23/2013 11:09

Sample wt/vol: 950(mL) | Date Analyzed: 03/27/2013 08:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 79448 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		11	0.29
95-50-1	1,2-Dichlorobenzene	ND		11	0.31
541-73-1	1,3-Dichlorobenzene	ND		11	0.84
106-46-7	1,4-Dichlorobenzene	ND		11	0.36
88-06-2	2,4,6-Trichlorophenol	ND		11	0.84
120-83-2	2,4-Dichlorophenol	ND		11	0.84
105-67-9	2,4-Dimethylphenol	ND		11	0.84
51-28-5	2,4-Dinitrophenol	ND		53	2.5
121-14-2	2,4-Dinitrotoluene	ND		11	0.28
606-20-2	2,6-Dinitrotoluene	ND		11	0.84
91-58-7	2-Chloronaphthalene	ND		11	0.11
95-57-8	2-Chlorophenol	ND		11	0.31
88-75-5	2-Nitrophenol	ND		11	0.29
91-94-1	3,3'-Dichlorobenzidine	ND		11	0.39
534-52-1	4,6-Dinitro-2-methylphenol	ND		53	2.5
101-55-3	4-Bromophenyl phenyl ether	ND		11	0.84
7005-72-3	4-Chlorophenyl phenyl ether	ND		11	0.32
100-02-7	4-Nitrophenol	ND		53	2.5
83-32-9	Acenaphthene	5.5	J	11	0.11
208-96-8	Acenaphthylene	1.1	J	11	0.11
120-12-7	Anthracene	0.62	J	11	0.11
92-87-5	Benzidine	ND		110	2.5
56-55-3	Benzo[a]anthracene	ND		11	0.11
50-32-8	Benzo[a]pyrene	ND		11	0.11
205-99-2	Benzo[b]fluoranthene	ND		11	0.11
191-24-2	Benzo[g,h,i]perylene	ND		11	0.11
207-08-9	Benzo[k]fluoranthene	ND		11	0.11
111-91-1	Bis(2-chloroethoxy)methane	ND		11	0.34
111-44-4	Bis(2-chloroethyl)ether	ND		11	0.11
117-81-7	Bis(2-ethylhexyl) phthalate	ND		11	0.84
108-60-1	2,2'-oxybis[1-chloropropane]	ND		11	0.42
85-68-7	Butyl benzyl phthalate	ND		11	0.84
218-01-9	Chrysene	ND		11	0.11
53-70-3	Dibenz(a,h)anthracene	ND		11	0.11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: 30326028.D

Analysis Method: 625 | Date Collected: 03/20/2013 06:30

Extract. Method: 625 | Date Extracted: 03/23/2013 11:09

Sample wt/vol: 950(mL) | Date Analyzed: 03/27/2013 08:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 79448 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		11	0.63
131-11-3	Dimethyl phthalate	ND		11	0.31
84-74-2	Di-n-butyl phthalate	ND		11	0.71
117-84-0	Di-n-octyl phthalate	ND		11	0.84
206-44-0	Fluoranthene	0.11	J	11	0.11
86-73-7	Fluorene	6.9	J	11	0.11
118-74-1	Hexachlorobenzene	ND		11	0.11
87-68-3	Hexachlorobutadiene	ND		11	0.28
77-47-4	Hexachlorocyclopentadiene	ND		11	0.84
67-72-1	Hexachloroethane	ND		11	0.84
193-39-5	Indeno[1,2,3-cd]pyrene	ND		11	0.11
78-59-1	Isophorone	ND		11	0.28
91-20-3	Naphthalene	ND		11	0.11
98-95-3	Nitrobenzene	ND		11	0.042
62-75-9	N-Nitrosodimethylamine	ND		11	0.33
621-64-7	N-Nitrosodi-n-propylamine	ND		11	0.84
86-30-6	N-Nitrosodiphenylamine	ND		11	0.33
59-50-7	4-Chloro-3-methylphenol	ND		11	0.84
87-86-5	Pentachlorophenol	ND		11	2.5
85-01-8	Phenanthrene	6.2	J	11	0.11
108-95-2	Phenol	ND		11	0.63
129-00-0	Pyrene	0.38	J	11	0.11
95-95-4	2,4,5-Trichlorophenol	ND		11	0.32
55-18-5	N-Nitrosodiethylamine	ND		11	0.80
608-93-5	Pentachlorobenzene	ND		11	0.75
930-55-2	N-Nitrosopyrrolidine	ND		11	0.78
122-66-7	1,2-Diphenylhydrazine	ND		11	0.31
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		11	0.58
924-16-3	N-Nitrosodi-n-butylamine	ND		11	0.85

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: 30326028.D

Analysis Method: 625 | Date Collected: 03/20/2013 06:30

Extract. Method: 625 | Date Extracted: 03/23/2013 11:09

Sample wt/vol: 950(mL) | Date Analyzed: 03/27/2013 08:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 79448 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	33		10-135
118-79-6	2,4,6-Tribromophenol	68		10-142
4165-60-0	Nitrobenzene-d5	71		44-110
4165-62-2	Phenol-d5	21		10-132
1718-51-0	Terphenyl-d14	80		24-135
321-60-8	2-Fluorobiphenyl (Surr)	65		38-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Lims ID:	460-52642-H-1-A	Client ID:	INFLUENT
Inject. Date:	27-Mar-2013 08:03:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018258-028		
Misc. Info.:	460-52642-H-1-A		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	79448	Lims Sample ID:	28
Detector:	MS SCAN		

Method:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\8270_hp7.m		
Last Update:	27-Mar-2013 12:57:18	Calib Date:	26-Mar-2013 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326020.D		
Limit Group:	MSS 625 ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK014		

First Level Reviewer: gruberj Date: 27-Mar-2013 08:25:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.915	5.915	0.0	97	251524	4.00	
* 2 Naphthalene-d8	136	7.049	7.043	0.006	99	1024174	4.00	
* 3 Acenaphthene-d10	164	8.557	8.557	0.0	91	645614	4.00	
* 4 Phenanthrene-d10	188	9.825	9.825	0.0	97	1054939	4.00	
* 5 Chrysene-d12	240	12.408	12.403	0.005	97	1136710	4.00	
* 6 Perylene-d12	264	14.505	14.494	0.011	97	948129	4.00	
$ 7 2-Fluorophenol	112	4.631	4.631	0.0	92	490161	4.91	
$ 8 Phenol-d5	99	5.551	5.546	0.005	95	419891	3.18	
$ 9 Nitrobenzene-d5	82	6.407	6.407	0.0	85	650341	7.12	
$ 10 2-Fluorobiphenyl (Surr)	172	7.969	7.963	0.006	97	1302983	6.46	
$ 11 2,4,6-Tribromophenol	330	9.226	9.226	0.0	90	291182	10.1	
$ 12 Terphenyl-d14	244	11.199	11.194	0.005	99	1517102	8.02	
25 N-Nitrosodimethylamine	74		2.813					
35 N-Nitrosodiethylamine	102		4.883					
41 Phenol	94		5.562					9
44 Bis(2-chloroethyl)ether	93		5.663					
46 2-Chlorophenol	128		5.717					
47 1,3-Dichlorobenzene	146		5.861					
48 1,4-Dichlorobenzene	146		5.931					
50 1,2-Dichlorobenzene	146		6.070					9
52 2,2'-oxybis[1-chloropropane]	45		6.150					
55 N-Nitrosopyrrolidine	100		6.247					
56 N-Nitrosodi-n-propylamine	70		6.268					9
60 Hexachloroethane	117		6.375					
61 Nitrobenzene	77		6.423					9
63 Isophorone	82		6.632					
65 2-Nitrophenol	139		6.706					9
64 2,4-Dimethylphenol	107		6.722					
68 Bis(2-chloroethoxy)methane	93		6.813					
71 2,4-Dichlorophenol	162		6.910					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180		6.990					
73 Naphthalene	128		7.065					
77 Hexachlorobutadiene	225		7.166					
81 N-Nitrosodi-n-butylamine	84		7.375					
84 4-Chloro-3-methylphenol	107		7.498					
88 Hexachlorocyclopentadiene	237		7.792					
89 1,2,4,5-Tetrachlorobenzene	216		7.798					
90 2,4,6-Trichlorophenol	196		7.888					9
91 2,4,5-Trichlorophenol	196		7.921					9
98 2-Chloronaphthalene	162		8.081					
103 Dimethyl phthalate	163		8.295					
105 2,6-Dinitrotoluene	165		8.354					
107 Acenaphthylene	152	8.434	8.434	0.0	49	129756	0.5179	
110 Acenaphthene	153	8.584	8.584	0.0	93	409310	2.60	
109 2,4-Dinitrophenol	184		8.589					
111 4-Nitrophenol	109		8.611					
113 Pentachlorobenzene	250		8.691					
112 2,4-Dinitrotoluene	165		8.696					
119 Diethyl phthalate	149		8.894					
121 4-Chlorophenyl phenyl ether	204		9.006					
124 Fluorene	166	9.022	9.022	0.0	91	622905	3.26	
126 4,6-Dinitro-2-methylphenol	198		9.044					9
130 N-Nitrosodiphenylamine	169		9.103					
129 1,2-Diphenylhydrazine	77		9.145					
137 4-Bromophenyl phenyl ether	248		9.429					9
139 Hexachlorobenzene	284		9.488					
141 Pentachlorophenol	266		9.648					9
146 Phenanthrene	178	9.846	9.841	0.005	96	833498	2.95	
147 Anthracene	178	9.889	9.889	0.0	66	77946	0.2943	
151 Di-n-butyl phthalate	149		10.279					9
157 Fluoranthene	202	10.862	10.857	0.005	61	15257	0.0512	
158 Benzidine	184		10.959					
160 Pyrene	202	11.076	11.071	0.005	87	54919	0.1806	
166 Butyl benzyl phthalate	149		11.686					
173 3,3'-Dichlorobenzidine	252		12.339					9
171 Bis(2-ethylhexyl) phthalate	149	12.376	12.376	0.0	91	57563	0.3745	
175 Benzo[a]anthracene	228		12.392					
176 Chrysene	228		12.440					
178 Di-n-octyl phthalate	149		13.296					
180 Benzo[b]fluoranthene	252		13.911					
181 Benzo[k]fluoranthene	252		13.954					
182 Benzo[a]pyrene	252		14.414					9
186 Indeno[1,2,3-cd]pyrene	276		16.168					
187 Dibenz(a,h)anthracene	278		16.200					
188 Benzo[g,h,i]perylene	276		16.623					

QC Flag Legend

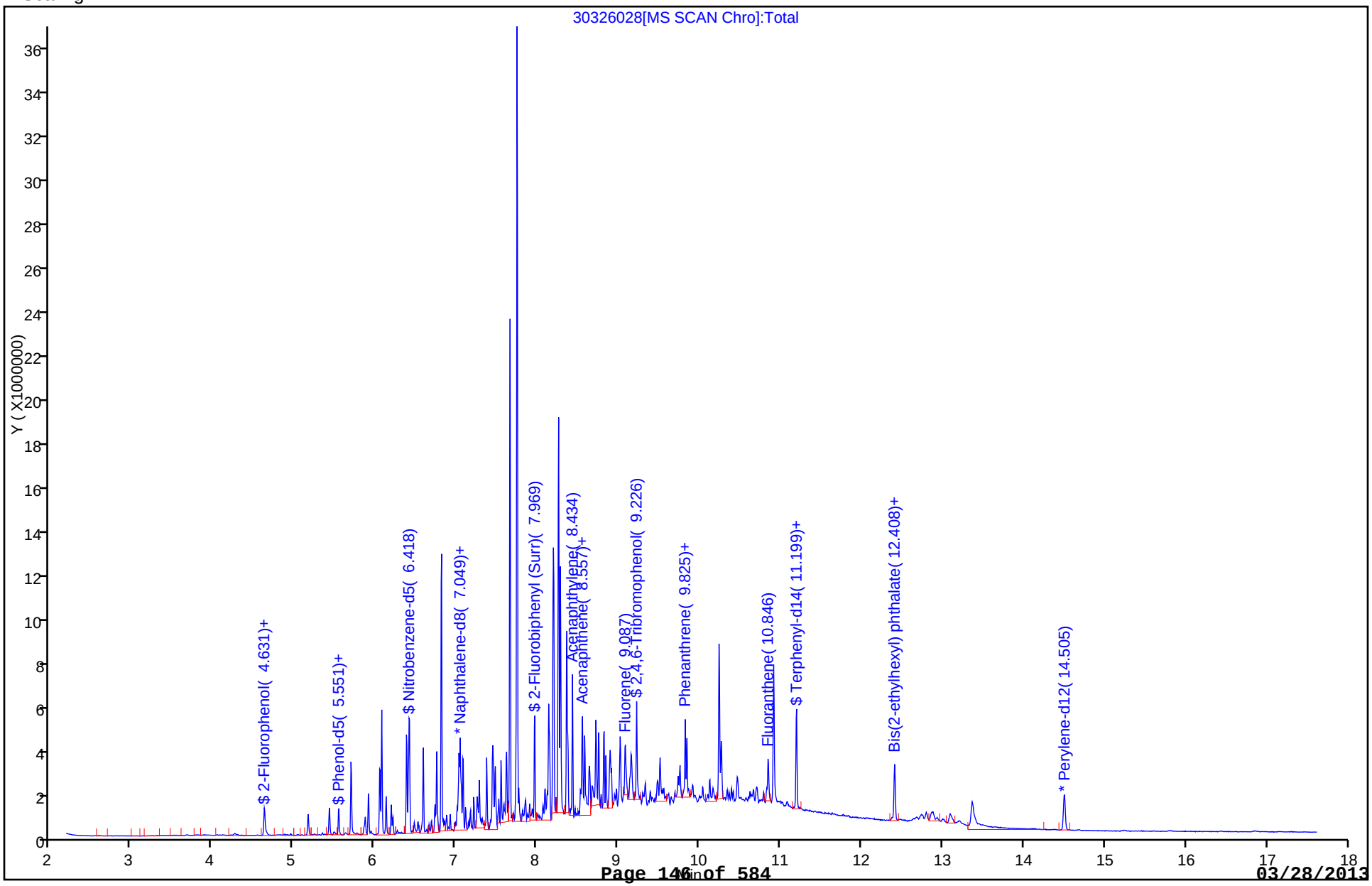
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Mar-2013 12:57:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

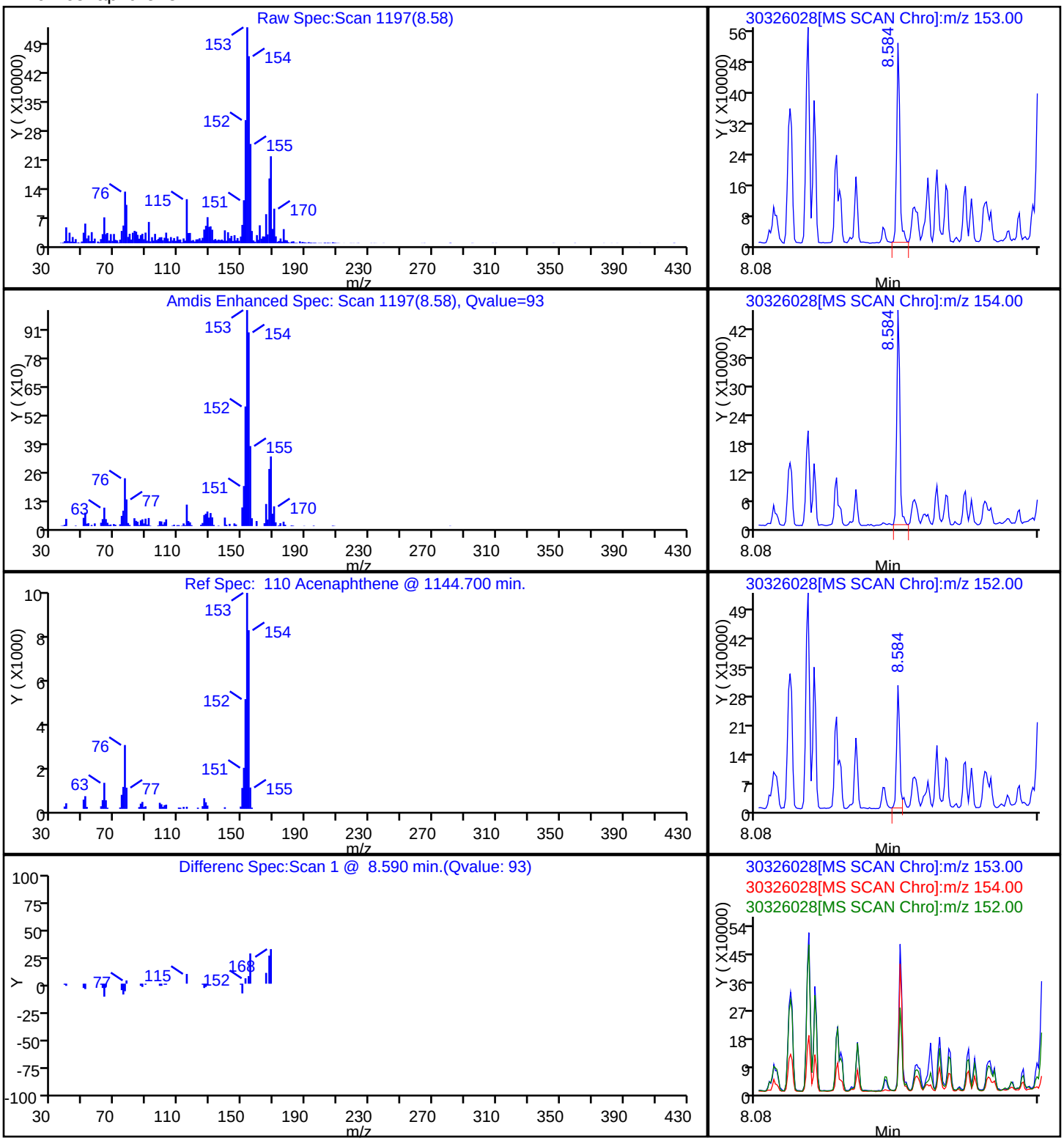


Report Date: 27-Mar-2013 12:57:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

110 Acenaphthene

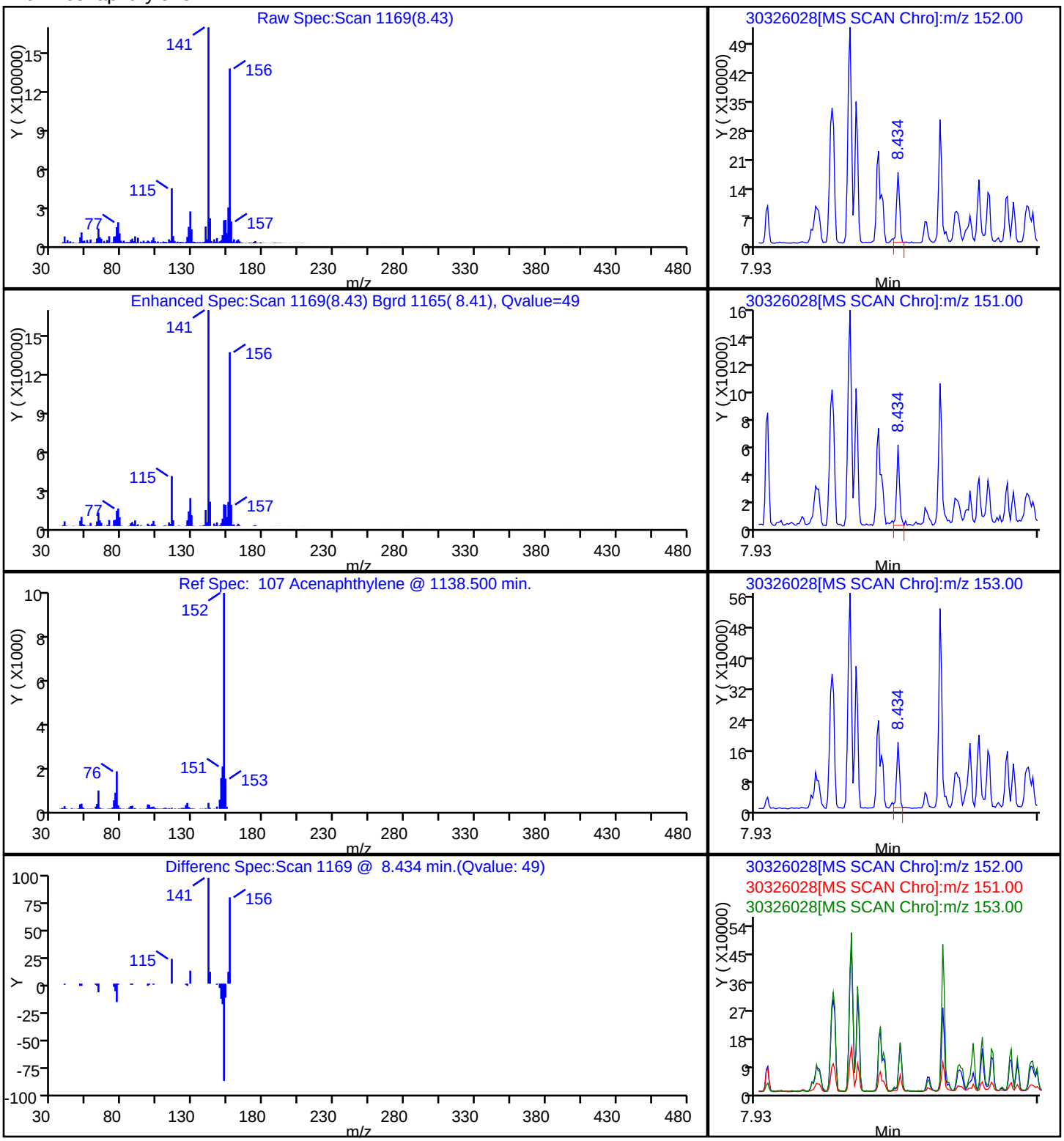


Report Date: 27-Mar-2013 12:57:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

107 Acenaphthylene

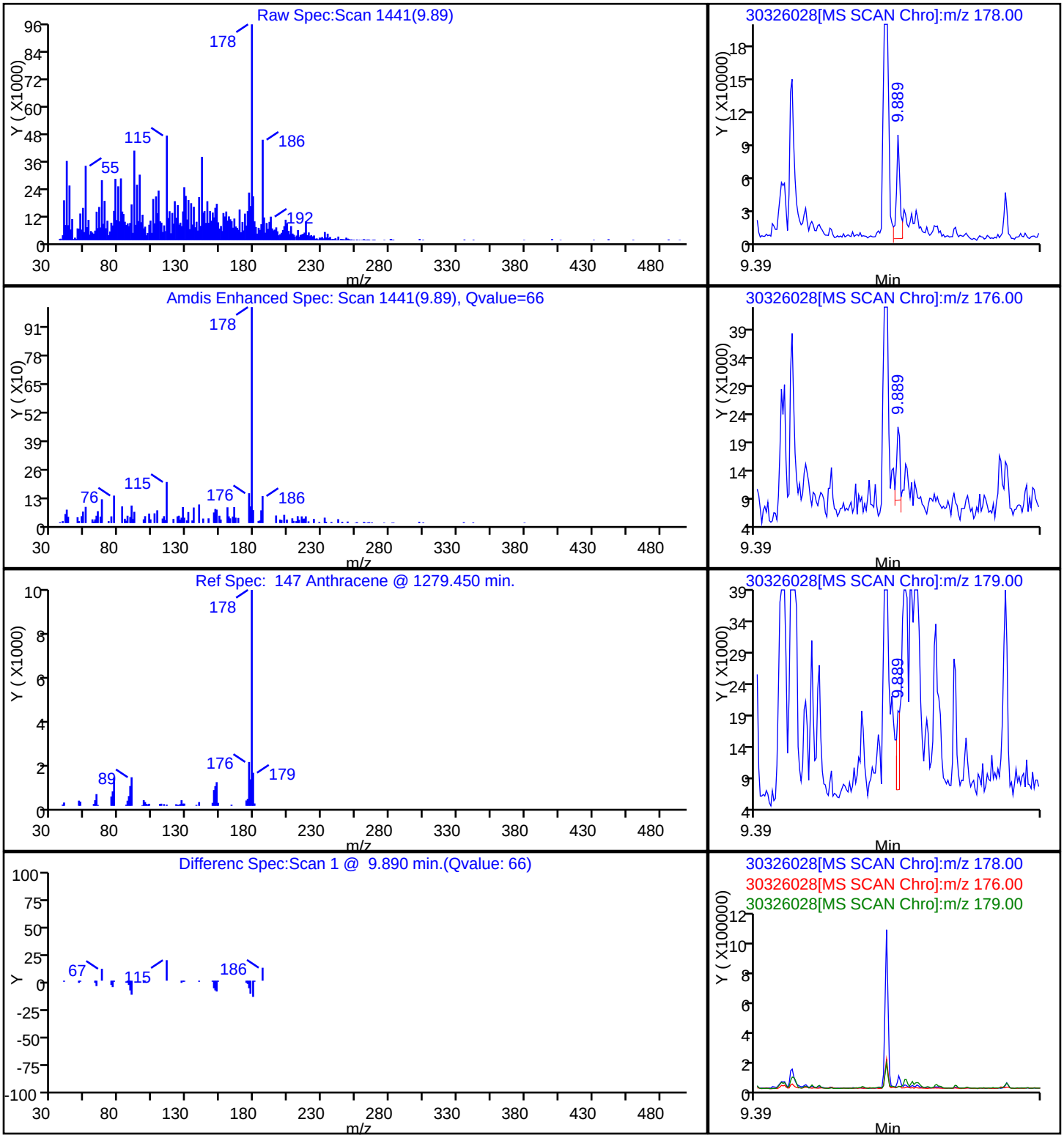


Report Date: 27-Mar-2013 12:57:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

147 Anthracene

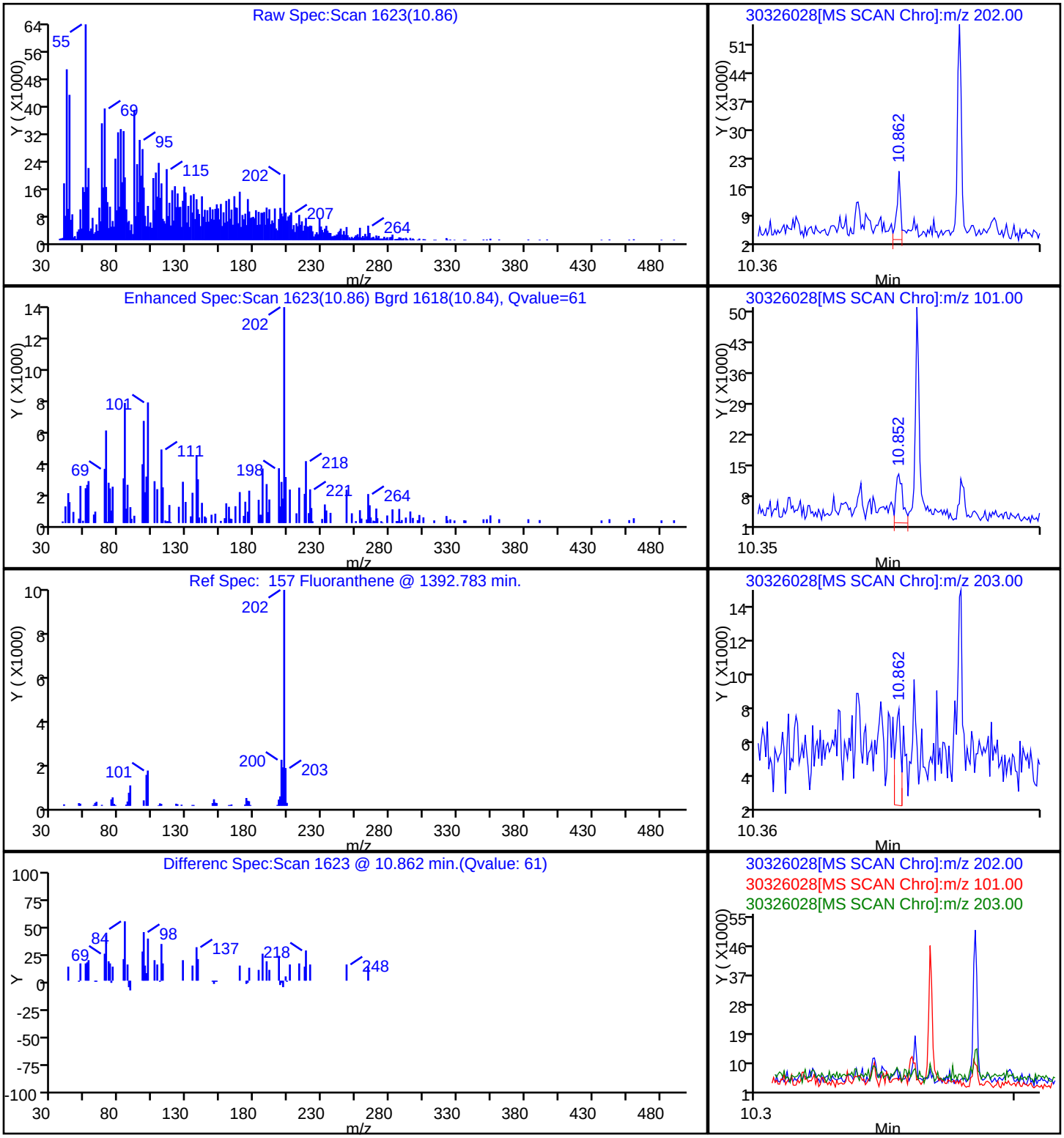


Report Date: 27-Mar-2013 12:57:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene

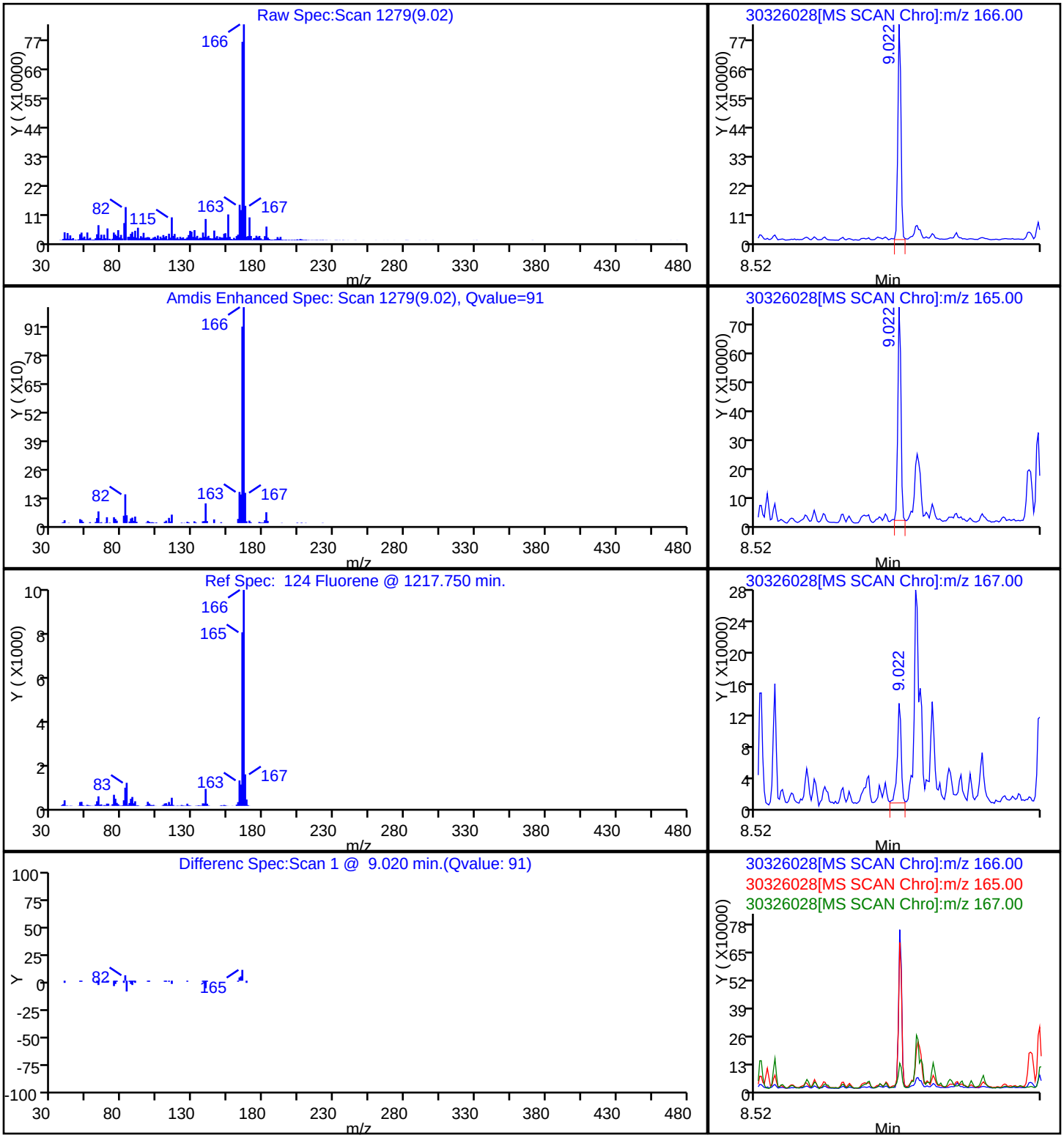


Report Date: 27-Mar-2013 12:57:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

124 Fluorene

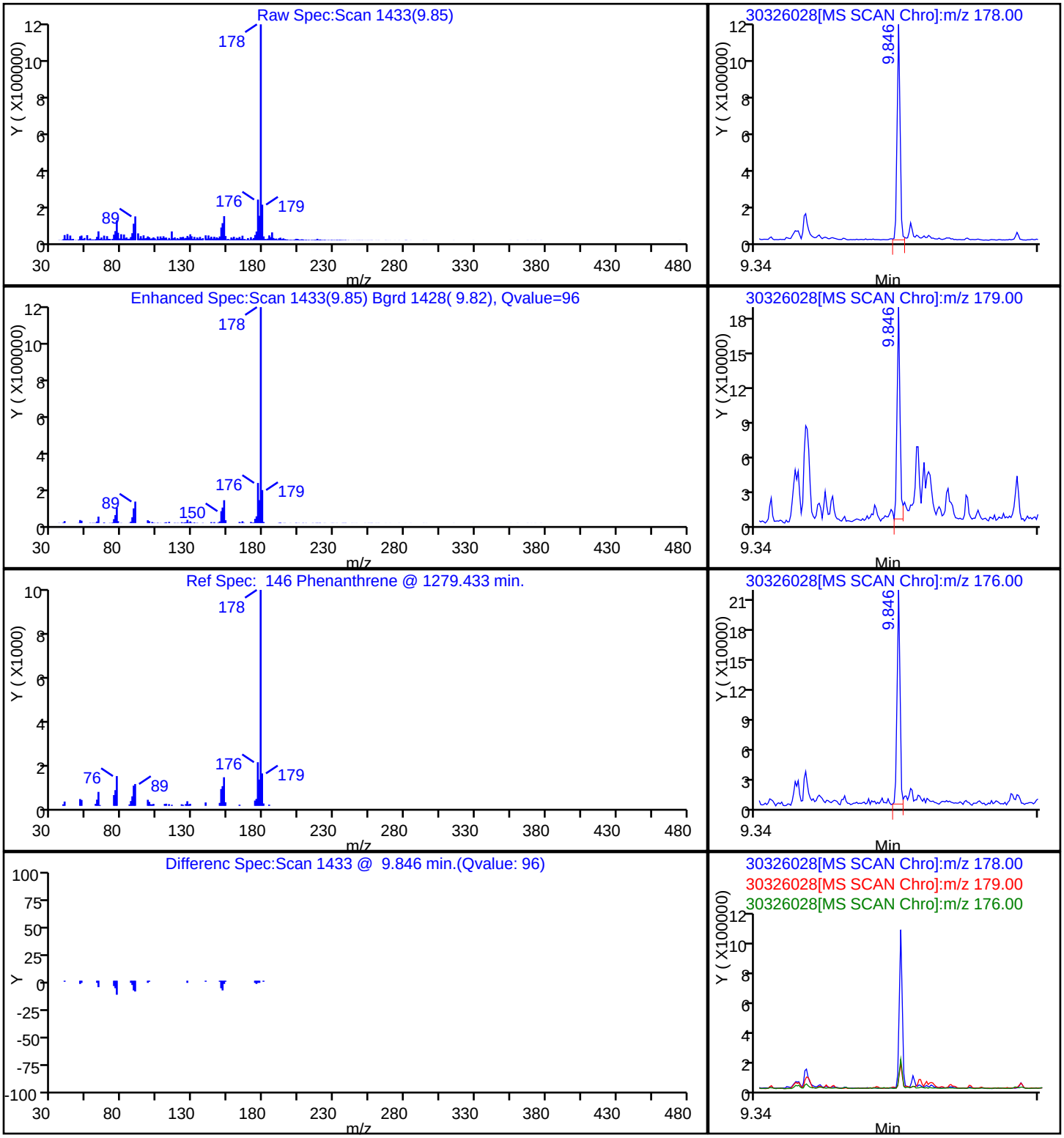


Report Date: 27-Mar-2013 12:57:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene

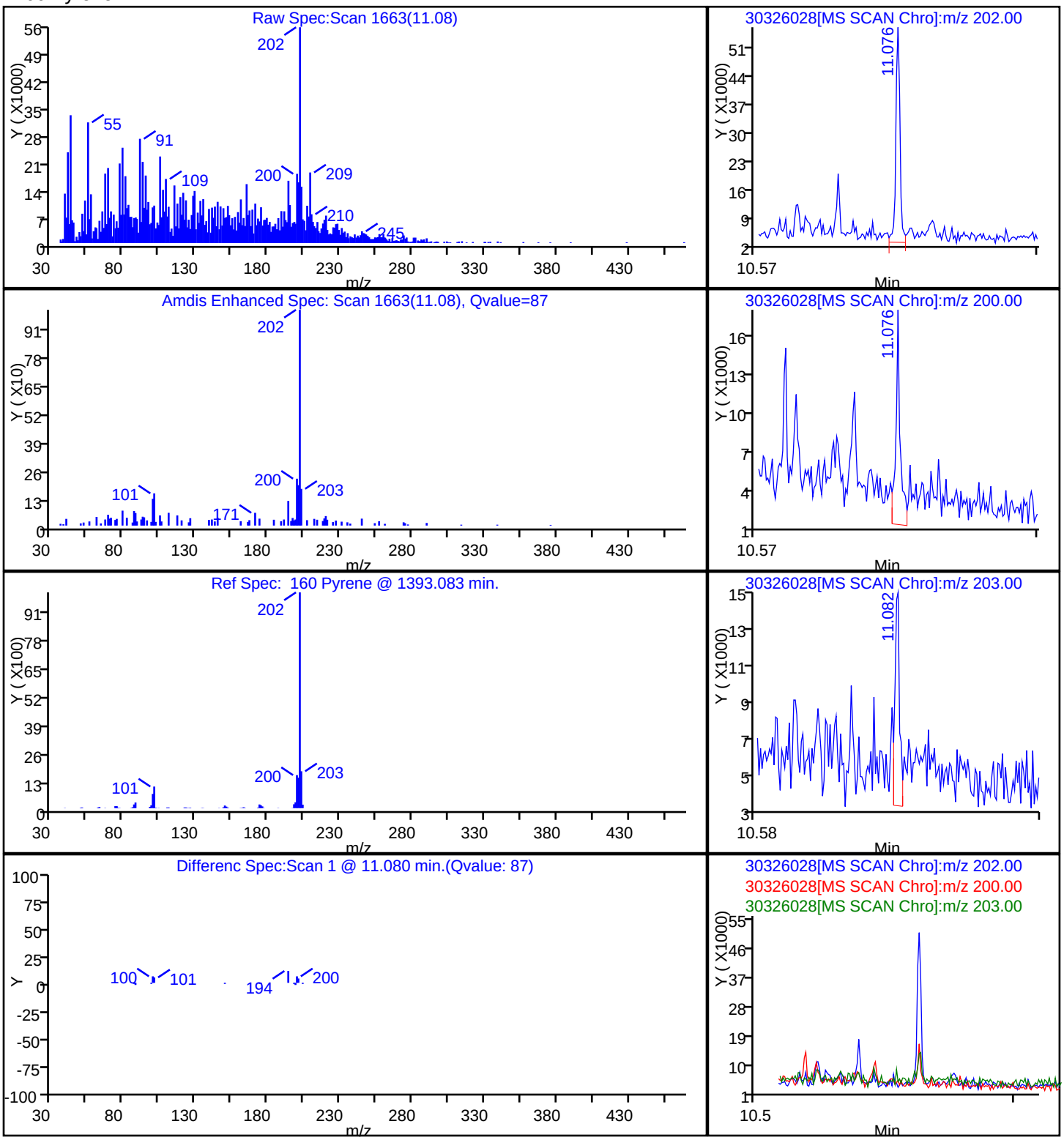


Report Date: 27-Mar-2013 12:57:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326028.D		
Injection Date:	27-Mar-2013 08:03:30	Limit Group:	MSS 625 ICAL
Client ID:	INFLUENT	Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Pyrene



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-152058/6	m63147.d
Level 2	IC 460-152058/5	m63146.d
Level 3	ICIS 460-152058/2	m63143.d
Level 4	IC 460-152058/4	m63145.d
Level 5	IC 460-152058/3	m63144.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Naphthylamine	0	0	0	0	0	Ave								35.0			
2-Naphthylamine	0	0	0	0	0	Ave								35.0			
2-Toluidine	0	0	0	0	0	Ave								35.0			
1,4-Dioxane	0.8901	0.8344	0.8697	0.8836	0.9171	Ave		0.8790				3.4		35.0			
N-Nitrosodimethylamine	1.5777	1.5747	1.6768	1.5959	1.6741	Ave		1.6198				3.2		35.0			
Pyridine	2.6851	2.4075	2.5035	2.5107	2.5734	Ave		2.5360				4.0		35.0			
2,3,7,8-TCDD	+++++	+++++	0.1670	+++++	+++++	Ave		0.1670						35.0			
Benzaldehyde	1.6831	1.1711	0.7354	0.3802	0.2672	Ave		0.8474				69.1	*	35.0			
Phenol	2.2309	2.2861	2.2799	1.9534	2.0640	Ave		2.1629				6.8		35.0			
Aniline	2.5950	2.5304	2.6150	2.1289	1.5066	Ave		2.2752				20.8		35.0			
Bis(2-chloroethyl)ether	2.1989	1.8211	1.8797	1.9994	2.5023	Ave		2.0803				13.3		35.0			
Benzonitrile	3.2682	3.2043	3.2685	2.7636	2.7846	Ave		3.0578				8.5		35.0			
2-Chlorophenol	1.4618	1.4564	1.3890	1.2324	1.2397	Ave		1.3559				8.3		35.0			
Decane	2.4366	2.2780	2.2759	1.8512	1.8870	Ave		2.1458				12.2		35.0			
1,3-Dichlorobenzene	1.5774	1.5298	1.5014	1.4200	1.4119	Ave		1.4881				4.8		35.0			
1,4-Dichlorobenzene	1.5075	1.4884	1.4306	1.3584	1.3588	Ave		1.4287				4.9		35.0			
Benzyl alcohol	1.1474	1.2406	1.2315	1.1022	1.0451	Ave		1.1534				7.3		35.0			
1,2-Dichlorobenzene	1.4566	1.4618	1.3707	1.3228	1.3010	Ave		1.3826				5.4		35.0			
2-Methylphenol	1.6261	1.6943	1.5641	1.3237	1.3964	Ave		1.5209				10.3		35.0			
2,2'-oxybis[1-chloropropane]	3.3133	3.3623	3.2402	2.6379	2.5503	Ave		3.0208				13.0		35.0			
N-Methylaniline	2.6363	2.5771	2.4711	2.1412	2.1511	Ave		2.3954				9.8		35.0			
Acetophenone	2.2789	2.2436	1.9608	1.7659	1.7613	Ave		2.0021				12.5		35.0			
4-Methylphenol	1.8321	1.7885	1.6265	1.4263	1.4980	Ave		1.6343				10.8		35.0			
N-Nitrosodi-n-propylamine	1.5673	1.4407	1.4741	1.2259	1.2226	Ave		1.3861			0.0500	11.2		35.0			
Hexachloroethane	0.8498	0.8884	0.8927	0.8023	0.8294	Ave		0.8525				4.5		35.0			
Nitrobenzene	1.0290	0.9455	0.9043	0.8309	0.7644	Ave		0.8948				11.4		35.0			
n,n'-Dimethylaniline	2.2039	2.1664	2.0942	1.9673	1.9224	Ave		2.0709				5.9		35.0			
Isophorone	1.3338	1.3421	1.2534	1.1979	1.1070	Ave		1.2468				7.9		35.0			
2-Nitrophenol	0.2460	0.2676	0.2288	0.2250	0.2244	Ave		0.2384				7.8		35.0			
2,4-Dimethylphenol	0.4376	0.4605	0.3834	0.3416	0.3247	Ave		0.3896				15.1		35.0			
Bis(2-chloroethoxy)methane	0.7084	0.6801	0.6243	0.5778	0.5380	Ave		0.6257				11.2		35.0			
Benzoic acid	0.1945	0.2536	0.2405	0.2561	0.2353	Ave		0.2360				10.5		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,4-Dichlorophenol	0.3493	0.3802	0.3333	0.2920	0.2978	Ave		0.3305				11.1		35.0			
1,2,4-Trichlorobenzene	0.3887	0.3722	0.3644	0.3620	0.3403	Ave		0.3655				4.8		35.0			
Naphthalene	1.1603	1.1499	1.0529	1.0341	0.9853	Ave		1.0765				7.1		35.0			
4-Chloroaniline	0.4882	0.4864	0.4288	0.4112	0.3650	Ave		0.4359				12.0		35.0			
Hexachlorobutadiene	0.1981	0.2256	0.2168	0.2191	0.2124	Ave		0.2144				4.8		35.0			
Caprolactam	0.1511	0.1493	0.1407	0.1189	0.1097	Ave		0.1340				13.9		35.0			
4-Chloro-3-methylphenol	0.4757	0.4937	0.4184	0.3868	0.3679	Ave		0.4285				12.8		35.0			
2-Methylnaphthalene	0.6968	0.7105	0.6460	0.6280	0.5824	Ave		0.6527				8.0		35.0			
1-Methylnaphthalene	0.7211	0.7018	0.6518	0.5884	0.5931	Ave		0.6512				9.3		35.0			
Hexachlorocyclopentadiene	0.2901	0.3195	0.3927	0.4166	0.4267	Ave		0.3691			0.0500	16.5		35.0			
1,2,4,5-Tetrachlorobenzene	0.5515	0.5853	0.6133	0.5653	0.6370	Ave		0.5905				5.9		35.0			
2,4,6-Trichlorophenol	0.3456	0.3716	0.3518	0.3533	0.4007	Ave		0.3646				6.1		35.0			
2,4,5-Trichlorophenol	0.3594	0.3673	0.3619	0.3499	0.3519	Ave		0.3581				2.0		35.0			
Diphenyl	1.4320	1.5843	1.4601	1.4466	1.4581	Ave		1.4762				4.2		35.0			
2-Chloronaphthalene	1.1841	1.1228	1.1561	1.1768	1.1782	Ave		1.1636				2.2		35.0			
Diphenyl ether	0.7588	0.7394	0.7665	0.7883	0.7896	Ave		0.7685				2.7		35.0			
2-Nitroaniline	0.5724	0.6225	0.6601	0.5992	0.5972	Ave		0.6103				5.4		35.0			
Dimethylnaphthalene, total	0.9492	0.9500	0.9721	0.9523	1.0158	Ave		0.9679				2.9		35.0			
Dimethyl phthalate	1.3116	1.3184	1.2439	1.2716	1.2429	Ave		1.2777				2.8		35.0			
Coumarin	0.2557	0.2607	0.2284	0.2072	0.1960	Ave		0.2296				12.5		35.0			
2,6-Dinitrotoluene	0.2849	0.3089	0.3072	0.3136	0.3034	Ave		0.3036				3.6		35.0			
Acenaphthylene	1.8281	1.7506	1.7731	1.6737	1.6659	Ave		1.7383				3.9		35.0			
3-Nitroaniline	0.3117	0.3321	0.3145	0.3008	0.3102	Ave		0.3139				3.6		35.0			
Acenaphthene	1.2061	1.1635	1.0799	1.0932	1.1111	Ave		1.1308				4.7		35.0			
2,4-Dinitrophenol	0.1009	0.1459	0.1582	0.1722	0.1719	Ave		0.1498			0.0500	19.6		35.0			
4-Nitrophenol	0.3016	0.3357	0.3430	0.3205	0.3455	Ave		0.3293			0.0500	5.5		35.0			
2,4-Dinitrotoluene	0.4268	0.4028	0.3920	0.3669	0.3882	Ave		0.3953				5.5		35.0			
Dibenzofuran	1.4582	1.4771	1.4237	1.5155	1.4656	Ave		1.4680				2.3		35.0			
2,3,4,6-Tetrachlorophenol	0.2555	0.2878	0.2957	0.2693	0.2880	Ave		0.2793				5.9		35.0			
Diethyl phthalate	1.3337	1.3487	1.3878	1.2652	1.2659	Ave		1.3203				4.1		35.0			
4-Chlorophenyl phenyl ether	0.4757	0.5154	0.5028	0.5131	0.5186	Ave		0.5051				3.5		35.0			
Fluorene	1.1553	1.1826	1.2087	1.1979	1.2341	Ave		1.1957				2.5		35.0			
4-Nitroaniline	0.3040	0.3135	0.3081	0.2940	0.3170	Ave		0.3073				2.9		35.0			
4,6-Dinitro-2-methylphenol	0.1340	0.1586	0.1581	0.1790	0.1775	Ave		0.1614				11.3		35.0			
N-Nitrosodiphenylamine	0.6768	0.6592	0.6052	0.6370	0.6204	Ave		0.6397				4.5		35.0			
1,2-Diphenylhydrazine	1.6995	2.0033	1.9331	1.8542	1.7086	Ave		1.8398				7.3		35.0			
4-Bromophenyl phenyl ether	0.2562	0.2290	0.2378	0.2421	0.2575	Ave		0.2445				5.0		35.0			
Hexachlorobenzene	0.2336	0.2408	0.2468	0.2595	0.2637	Ave		0.2489				5.1		35.0			
Atrazine	0.2071	0.2091	0.2154	0.1916	0.1818	Ave		0.2010				6.9		35.0			
Pentachlorophenol	0.1522	0.1626	0.1562	0.1767	0.1883	Ave		0.1672				9.0		35.0			
n-Octadecane	0.9967	0.9513	0.9117	0.8416	0.8146	Ave		0.9032				8.4		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Phenanthrene	1.1874	1.1884	1.1356	1.1900	1.1898	Ave		1.1783				2.0		35.0			
Anthracene	1.1928	1.2232	1.1426	1.2496	1.2104	Ave		1.2037				3.3		35.0			
Carbazole	1.0613	1.1139	1.0275	1.0463	1.0660	Ave		1.0630				3.0		35.0			
Di-n-butyl phthalate	1.7699	1.7297	1.6122	1.6188	1.6117	Ave		1.6685				4.5		35.0			
Fluoranthene	0.9789	1.0029	0.9586	0.9820	1.0023	Ave		0.9850				1.9		35.0			
Benzidine	0.2512	0.2885	0.1486	0.1019	0.1027	Ave		0.1786				48.4	*	35.0			
Pyrene	1.5660	1.6013	1.5742	1.3650	1.2496	Ave		1.4712				10.6		35.0			
Butyl benzyl phthalate	0.9693	1.0421	0.9679	0.8907	0.8334	Ave		0.9407				8.5		35.0			
Carbamazepine	0.4138	0.4873	0.5515	0.5278	0.5499	Ave		0.5061				11.4		35.0			
3,3'-Dichlorobenzidine	0.3949	0.3851	0.3193	0.2885	0.2994	Ave		0.3374				14.6		35.0			
Benzo[a]anthracene	1.4495	1.1951	1.1394	1.1359	1.0949	Ave		1.2030				11.8		35.0			
Bis(2-ethylhexyl) phthalate	1.2481	1.2754	1.1957	1.1399	1.1183	Ave		1.1955				5.6		35.0			
Chrysene	1.0834	1.1853	1.0459	1.0102	0.9640	Ave		1.0577				7.9		35.0			
Di-n-octyl phthalate	2.3372	2.7819	2.5259	2.3043	2.0634	Ave		2.4025				11.2		35.0			
Benzo[b]fluoranthene	1.0914	1.2659	1.1994	1.2328	1.4012	Ave		1.2381				9.1		35.0			
Benzo[k]fluoranthene	1.1584	1.2490	1.2802	1.2570	1.1890	Ave		1.2267				4.1		35.0			
Benzo[a]pyrene	0.8139	1.0043	0.9842	1.0315	1.0691	Ave		0.9806				10.0		35.0			
Indeno[1,2,3-cd]pyrene	0.6539	0.9848	1.0673	1.2322	1.3872	Ave		1.0651				26.0		35.0			
Dibenz(a,h)anthracene	0.6266	0.9279	0.9836	1.1377	1.2256	Ave		0.9803				23.5		35.0			
Benzo[g,h,i]perylene	0.8036	0.9750	1.0563	1.2157	1.2532	Ave		1.0607				17.3		35.0			
2-Fluorophenol	2.0178	2.0843	1.9607	1.8342	1.9205	Ave		1.9635				4.8		35.0			
Phenol-d5	2.1730	2.2298	1.9840	1.8142	1.8605	Ave		2.0123				9.2		35.0			
Nitrobenzene-d5	0.6852	0.7526	0.7458	0.6389	0.6218	Ave		0.6889				8.7		35.0			
2-Fluorobiphenyl	1.1698	1.2036	1.2720	1.1883	1.3036	Ave		1.2275				4.7		35.0			
2,4,6-Tribromophenol	0.1716	0.1838	0.1838	0.1823	0.1995	Ave		0.1842				5.4		35.0			
Terphenyl-d14	0.9902	1.0311	0.9739	0.9304	0.8953	Ave		0.9642				5.5		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-152058/6	m63147.d
Level 2	IC 460-152058/5	m63146.d
Level 3	ICIS 460-152058/2	m63143.d
Level 4	IC 460-152058/4	m63145.d
Level 5	IC 460-152058/3	m63144.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	0	0	0	0	0	5.00	20.0	50.0	80.0	120
2-Naphthylamine	ANT	Ave	0	0	0	0	0	5.00	20.0	50.0	80.0	120
2-Toluidine	DCB	Ave	0	0	0	0	0	5.00	20.0	50.0	80.0	120
1,4-Dioxane	DCB	Ave	40728	141229	332070	593918	865062	5.00	20.0	50.0	80.0	120
N-Nitrosodimethylamine	DCB	Ave	72185	266532	640208	1072669	1579043	5.00	20.0	50.0	80.0	120
Pyridine	DCB	Ave	122855	407494	955852	1687611	2427291	5.00	20.0	50.0	80.0	120
2,3,7,8-TCDD	CRY	Ave	+++++	+++++	754	+++++	+++++	+++++	+++++	0.500	+++++	+++++
Benzaldehyde	DCB	Ave	77011	198222	280776	255583	252023	5.00	20.0	50.0	80.0	120
Phenol	DCB	Ave	102072	386937	870514	1313019	1946811	5.00	20.0	50.0	80.0	120
Aniline	DCB	Ave	118735	428295	998453	1430987	1421025	5.00	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	10061	308234	717706	1343902	2360179	0.500	20.0	50.0	80.0	120
Benzonitrile	DCB	Ave	149536	542352	1247958	1857604	2626517	5.00	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	66885	246502	530329	828353	1169338	5.00	20.0	50.0	80.0	120
Decane	DCB	Ave	111488	385579	868971	1244318	1779880	5.00	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	72173	258940	573256	954474	1331769	5.00	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	68977	251921	546212	913094	1281652	5.00	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	52500	209984	470215	740854	985788	5.00	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	66644	247431	523343	889115	1227145	5.00	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	74401	286781	597195	889731	1317142	5.00	20.0	50.0	80.0	120
2,2'-oxybis[1-chloropropane]	DCB	Ave	151599	569094	1237140	1773109	2405496	5.00	20.0	50.0	80.0	120
N-Methylaniline	DCB	Ave	120625	436192	943518	1439240	2028948	5.00	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	104269	379748	748644	1186975	1661284	5.00	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	83828	302716	621019	958670	1412910	5.00	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	7171	243855	562816	824033	1153210	0.500	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	3888	150366	340846	539283	782346	0.500	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	14325	473104	1036509	1569562	2113330	0.500	20.0	50.0	80.0	120
n,n'-Dimethylaniline	DCB	Ave	10084	366688	799612	1322354	1813250	0.500	20.0	50.0	80.0	120
Isophorone	NPT	Ave	185678	671565	1436564	2262981	3060272	5.00	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	34244	133902	262273	425002	620255	5.00	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	60916	230445	439406	645380	897673	5.00	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	98618	340321	715499	1091525	1487327	5.00	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	27071	126871	275701	483709	650565	5.00	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	48625	190259	382060	551580	823403	5.00	20.0	50.0	80.0	120
1,2,4-Trichlorobenzene	NPT	Ave	5411	186257	417678	683777	940783	0.500	20.0	50.0	80.0	120

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Naphthalene	NPT	Ave	161534	575388	1206827	1953451	2723877	5.00	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	67971	243366	491415	776811	1009127	5.00	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	5517	112904	248539	413932	587119	1.00	20.0	50.0	80.0	120
Caprolactam	NPT	Ave	21033	74727	161300	224699	303271	5.00	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	66228	247037	479514	730631	1017093	5.00	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	97002	355539	740374	1186392	1610084	5.00	20.0	50.0	80.0	120
1-Methylnaphthalene	NPT	Ave	100381	351174	747091	1111445	1639654	5.00	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	23632	92249	232428	395648	542384	5.00	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	44932	169017	362946	536913	809742	5.00	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	28154	107314	208174	335530	509342	5.00	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	29278	106058	214169	332338	447409	5.00	20.0	50.0	80.0	120
Diphenyl	ANT	Ave	116667	457487	864138	1373873	1853602	5.00	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	96471	324219	684206	1117589	1497819	5.00	20.0	50.0	80.0	120
Diphenyl ether	ANT	Ave	61821	213512	453637	748679	1003761	5.00	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	93267	179769	390646	569037	759230	10.0	20.0	50.0	80.0	120
Dimethylnaphthalene, total	ANT	Ave	77337	274334	575281	904374	1291305	5.00	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	106862	380701	736182	1207696	1580031	5.00	20.0	50.0	80.0	120
Coumarin	NPT	Ave	35594	130425	261797	391408	541801	5.00	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	4642	89198	181785	297799	385635	1.00	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	148937	505523	1049332	1589524	2117776	5.00	20.0	50.0	80.0	120
3-Nitroaniline	ANT	Ave	50797	95912	186144	285634	394303	10.0	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	98264	335992	639096	1038194	1412494	5.00	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Ave	24669	63205	93620	163572	218542	15.0	30.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	73726	145401	203006	304425	439191	15.0	30.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	6954	116312	231982	348412	493508	1.00	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	118806	426547	842549	1439299	1863110	5.00	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Ave	20820	83096	175000	255755	366082	5.00	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	108660	389474	821317	1201568	1609220	5.00	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	38757	148828	297570	487253	659197	5.00	20.0	50.0	80.0	120
Fluorene	ANT	Ave	94127	341504	715315	1137640	1568785	5.00	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	49540	90522	182315	279264	402983	10.0	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Ave	38245	80484	109982	186690	258426	15.0	30.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	64398	223041	421075	664199	903340	5.00	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	PHN	Ave	161714	677818	1345026	1933370	2487823	5.00	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	24374	77498	165424	252426	374943	5.00	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	2223	81489	171731	270608	383884	0.500	20.0	50.0	80.0	120
Atrazine	PHN	Ave	19704	70737	149870	199772	264705	5.00	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Ave	43460	82541	108694	184213	274230	15.0	30.0	50.0	80.0	120
n-Octadecane	PHN	Ave	94838	321870	634342	877536	1186132	5.00	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	112989	402106	790114	1240787	1732386	5.00	20.0	50.0	80.0	120
Anthracene	PHN	Ave	113497	413883	795022	1302899	1762308	5.00	20.0	50.0	80.0	120
Carbazole	PHN	Ave	100991	376879	714888	1090989	1552156	5.00	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	168412	585240	1121765	1687949	2346673	5.00	20.0	50.0	80.0	120

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-52642-1 Analy Batch No.: 152058

SDG No.:

Instrument ID: BNAMS6 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2013 21:16 Calibration End Date: 03/20/2013 22:50 Calibration ID: 20750

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Fluoranthene	PHN	Ave	93149	339348	666976	1023942	1459415	5.00	20.0	50.0	80.0	120
Benzidine	PHN	Ave	23899	146396	103405	106293	149470	5.00	30.0	50.0	80.0	120
Pyrene	CRY	Ave	93615	335499	710540	1030407	1487347	5.00	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	57941	218352	436883	672402	991988	5.00	20.0	50.0	80.0	120
Carbamazepine	CRY	Ave	24737	102099	248920	398459	654511	5.00	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	47217	121033	144108	217797	356338	10.0	30.0	50.0	80.0	120
Benzo[a]anthracene	CRY	Ave	8665	250410	514269	857514	1303209	0.500	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	74608	267233	539687	860462	1331071	5.00	20.0	50.0	80.0	120
Chrysene	CRY	Ave	64761	248339	472101	762555	1147431	5.00	20.0	50.0	80.0	120
Di-n-octyl phthalate	PRY	Ave	105297	433586	898600	1396910	2093635	5.00	20.0	50.0	80.0	120
Benzo[b]fluoranthene	PRY	Ave	4917	197306	426692	747344	1421743	0.500	20.0	50.0	80.0	120
Benzo[k]fluoranthene	PRY	Ave	5219	194667	455426	762006	1206445	0.500	20.0	50.0	80.0	120
Benzo[a]pyrene	PRY	Ave	3667	156528	350115	625292	1084769	0.500	20.0	50.0	80.0	120
Indeno[1,2,3-cd]pyrene	PRY	Ave	2946	153495	379693	746984	1407555	0.500	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	2823	144628	349900	689673	1243534	0.500	20.0	50.0	80.0	120
Benzo[g,h,i]perylene	PRY	Ave	36202	151956	375787	736992	1271532	5.00	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	92323	352779	748617	1232892	1811503	5.00	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	99425	377414	757514	1219466	1754867	5.00	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	95385	376605	854831	1206858	1718894	5.00	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	95302	347574	752817	1128568	1657177	5.00	20.0	50.0	80.0	120
2,4,6-Tribromophenol	ANT	Ave	13981	53065	108783	173093	253575	5.00	20.0	50.0	80.0	120
Terphenyl-d14	CRY	Ave	59191	216032	439583	702335	1065680	5.00	20.0	50.0	80.0	120

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-79448/6	30326006.D
Level 2	STD2 240-79448/5	30326005.D
Level 3	STD3 240-79448/4	30326004.D
Level 4	STD4 240-79448/3	30326003.D
Level 5	STD5 240-79448/2	30326002.D
Level 6	STD6 240-79448/10	30326010.D
Level 7	STD7 240-79448/9	30326009.D
Level 8	STD8 240-79448/8	30326008.D
Level 9	STD9 240-79448/7	30326007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.6330	0.7628 0.6445	0.6326 0.6996	0.6763 0.6979	0.6299	Ave		0.6721				7.0		35.0			
N-Nitrosodimethylamine	0.8596	0.7099 0.8489	0.7797 0.9511	0.7779 0.9204	0.8064	Ave		0.8317				9.6		35.0			
Pyridine	1.6429	1.3434 1.5993	1.2809 1.7969	1.5945 1.7982	1.5677	Ave		1.5780				12.0		35.0			
Phenol	2.2241	1.9240 2.1775	2.1512 2.4174	2.3641 2.3484	2.1316	Ave		2.2173				7.2		35.0			
Aniline	2.5046	2.2349 2.4622	2.3905 2.7463	2.7024 2.6917	2.3912	Ave		2.5155				7.2		35.0			
Bis(2-chloroethyl)ether	1.3947	1.2375 1.3858	1.4456 1.5148	1.5463 1.4915	1.3416	Ave		1.4197				7.1		35.0			
2-Chlorophenol	1.6946	1.4745 1.6754	1.6929 1.8765	1.8791 1.8350	1.6284	Ave		1.7196				8.1		35.0			
1,3-Dichlorobenzene	1.4694	1.4248 1.4325	1.4411 1.6157	1.5958 1.5673	1.4167	Ave		1.4954				5.6		35.0			
1,4-Dichlorobenzene	1.7960	1.7093 1.7700	1.8924 1.9872	1.9825 1.9405	1.7623	Ave		1.8550				5.9		35.0			
Benzoic acid	0.2074	+++++ 0.2276	0.0437 0.2487	0.1027 0.2622	0.1509	Lin1	-0.563	0.2563							0.9910		0.9900
Benzyl alcohol	1.0851	0.8331 1.1005	0.9686 1.2093	1.1681 1.1808	1.0488	Ave		1.0743				12.0		35.0			
1,2-Dichlorobenzene	1.3772	1.3731 1.3823	1.3794 1.5242	1.5293 1.4970	1.3377	Ave		1.4250				5.5		35.0			
2-Methylphenol	1.5910	1.3004 1.5889	1.5912 1.7271	1.7062 1.6881	1.5061	Ave		1.5874				8.7		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.4509	1.3571 1.4477	1.4889 1.5867	1.6492 1.5514	1.3704	Ave		1.4878				6.9		35.0			
3 & 4 Methylphenol	1.6445	1.3961 1.6417	1.5831 1.8084	1.8551 1.7857	1.5745	Ave		1.6611				9.1		35.0			
N-Nitrosodi-n-propylamine	0.9050	0.7751 0.8974	0.8776 0.9783	0.9954 0.9373	0.8843	Ave		0.9063				7.5		35.0			
Hexachloroethane	0.5733	0.5045 0.5644	0.5215 0.6207	0.5864 0.6182	0.5216	Ave		0.5638				7.9		35.0			
Nitrobenzene	0.3831	0.3232 0.3759	0.3373 0.4185	0.3908 0.4123	0.3549	Ave		0.3745				9.1		35.0			
2,4-Dinitrophenol	0.1426	+++++ 0.1526	+++++ 0.1648	0.0602 0.1706	0.0965	Ave		0.1312				33.0		35.0			
Isophorone	0.6276	0.5135 0.6323	0.5506 0.6859	0.6360 0.6892	0.5762	Ave		0.6139				10.0		35.0			
2-Nitrophenol	0.2162	0.1266 0.2171	0.1472 0.2365	0.1879 0.2348	0.1831	Ave		0.1937				21.0		35.0			
2,4-Dimethylphenol	0.4349	0.3757 0.4292	0.4292 0.4593	0.4741 0.4522	0.4026	Ave		0.4321				7.3		35.0			
Bis(2-chloroethoxy)methane	0.4219	0.3698 0.4194	0.4238 0.4427	0.4612 0.4512	0.4052	Ave		0.4244				6.8		35.0			
2,4-Dichlorophenol	0.3509	0.2681 0.3423	0.3248 0.3765	0.3598 0.3718	0.3186	Ave		0.3391				10.0		35.0			
1,2,4-Trichlorobenzene	0.3112	0.2938 0.3096	0.3229 0.3385	0.3266 0.3304	0.2884	Ave		0.3152				5.6		35.0			
Naphthalene	1.0415 0.9491	0.9309 0.9590	0.9415 1.0337	1.0305 1.0312	0.8949	Ave		0.9792				5.6		35.0			
4-Chloroaniline	0.4621	0.3988 0.4628	0.4234 0.4950	0.4699 0.4976	0.4305	Ave		0.4550				7.7		35.0			
Hexachlorobutadiene	0.1667	0.1600 0.1642	0.1678 0.1760	0.1747 0.1746	0.1528	Ave		0.1671				4.8		35.0			
1,2,3-Trichlorobenzene	0.2888	0.2801 0.2933	0.2874 0.3096	0.3064 0.3093	0.2715	Ave		0.2933				4.8		35.0			
4-Chloro-3-methylphenol	0.3673	0.2673 0.3751	0.3351 0.4016	0.3752 0.4039	0.3494	Ave		0.3594				12.0		35.0			
4-Nitrophenol	0.2248	+++++ 0.2285	0.1460 0.2477	0.1848 0.2523	0.1977	Ave		0.2117				18.0		35.0			
2-Methylnaphthalene	0.6544 0.6047	0.5424 0.6027	0.6054 0.6457	0.6623 0.6510	0.5654	Ave		0.6149				6.8		35.0			
Hexachlorocyclopentadiene	0.2828	0.1808 0.2882	0.2037 0.3151	0.2534 0.3139	0.2504	Ave		0.2610				19.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4,6-Trichlorophenol	0.4282	0.2786 0.4244	0.3498 0.4581	0.4279 0.4633	0.3836	Ave		0.4017				15.0		35.0			
4,6-Dinitro-2-methylphenol	0.1397	+++++ 0.1510	0.0472 0.1655	0.0816 0.1657	0.0965	Lin1	-0.160	0.1657							0.9920		0.9900
2,4,5-Trichlorophenol	0.4589	0.3461 0.4529	0.4039 0.4921	0.4759 0.4994	0.4204	Ave		0.4437				12.0		35.0			
2,4-Toluene diamine	0.1140	0.1407 0.1254	0.1897 0.1341	0.1708 0.1410	0.1019	Ave		0.1397				21.0		35.0			
1,1'-Biphenyl	1.3664 1.2092	1.1896 1.2221	1.2483 1.3017	1.3663 1.3025	1.1846	Ave		1.2656				5.6		35.0			
2-Chloronaphthalene	1.1128 1.0780	1.0018 1.0785	1.0826 1.1604	1.1800 1.1641	1.0313	Ave		1.0988				5.6		35.0			
2-Nitroaniline	0.3500	0.2022 0.3519	0.2448 0.3811	0.3153 0.3855	0.3063	Ave		0.3171				21.0		35.0			
Dimethyl phthalate	1.0965	0.9426 1.1223	1.0695 1.2281	1.2024 1.2204	1.0746	Ave		1.1196				8.6		35.0			
2,6-Dinitrotoluene	0.2529	0.1410 0.2603	0.1808 0.2811	0.2055 0.2843	0.2263	Ave		0.2290				22.0		35.0			
Acenaphthylene	1.2591 1.6027	1.3125 1.6336	1.4446 1.7672	1.6642 1.7803	1.5076	Ave		1.5524				12.0		35.0			
3-Nitroaniline	0.3255	0.1639 0.3324	0.2332 0.3644	0.3008 0.3596	0.2955	Ave		0.2969				23.0		35.0			
Acenaphthene	0.9705 0.9469	0.9360 0.9492	0.9645 1.0029	1.0511 1.0054	0.9461	Ave		0.9747				3.9		35.0			
2,4-Dinitrotoluene	0.3463	0.1618 0.3546	0.2236 0.3850	0.3042 0.3896	0.3075	Ave		0.3091				26.0		35.0			
Dibenzofuran	1.5704 1.4271	1.3579 1.4457	1.4559 1.5492	1.5787 1.5620	1.3791	Ave		1.4807				5.8		35.0			
Diethyl phthalate	1.0540	0.9351 1.0762	1.0209 1.1464	1.1338 1.1647	1.0307	Ave		1.0702				7.2		35.0			
4-Chlorophenyl phenyl ether	0.5580	0.5213 0.5746	0.5767 0.6125	0.6172 0.6153	0.5462	Ave		0.5777				6.1		35.0			
4-Nitroaniline	0.3212	0.1905 0.3231	0.2057 0.3555	0.2855 0.3497	0.2981	Ave		0.2912				21.0		35.0			
Fluorene	1.1636 1.1770	1.0674 1.1643	1.1710 1.2483	1.2788 1.2366	1.1467	Ave		1.1838				5.3		35.0			
N-Nitrosodiphenylamine	0.5861	0.4720 0.6051	0.5462 0.6458	0.6269 0.6485	0.5612	Ave		0.5865				10.0		35.0			
1,2-Diphenylhydrazine	0.7969	0.6367 0.8126	0.7342 0.8656	0.8472 0.8752	0.7604	Ave		0.7912				10.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Azobenzene	0.7969	0.6374 0.8126	0.7342 0.8656	0.8472 0.8752	0.7604	Ave		0.7912				10.0		35.0			
4-Bromophenyl phenyl ether	0.2025	0.1799 0.2106	0.2004 0.2256	0.2212 0.2232	0.1928	Ave		0.2070				7.8		35.0			
Hexachlorobenzene	0.2758 0.2063	0.1814 0.2094	0.2051 0.2206	0.2214 0.2223	0.1937	Ave		0.2151				12.0		35.0			
Pentachlorophenol	0.1577	0.0729 0.1684	0.1048 0.1801	0.1259 0.1800	0.1445	Ave		0.1418				27.0		35.0			
Phenanthrene	1.1248 1.0132	1.0145 1.0485	1.0871 1.1173	1.1095 1.1350	0.9810	Ave		1.0701				5.3		35.0			
Anthracene	0.7863 1.0474	0.8283 1.0706	0.9438 1.1518	1.0744 1.1538	0.9803	Ave		1.0041				13.0		35.0			
Carbazole	0.9880	0.8683 1.0206	0.9580 1.1036	1.0351 1.0919	0.9404	Ave		1.0007				7.9		35.0			
Di-n-butyl phthalate	1.1133	1.0236 1.1663	1.0479 1.2704	1.1887 1.2610	1.0954	Ave		1.1458				8.0		35.0			
Fluoranthene	1.0391 1.1386	0.9481 1.1832	1.0585 1.2698	1.1680 1.2825	1.0896	Ave		1.1308				9.6		35.0			
Benzidine	0.5290	0.1940 0.5598	0.2836 0.5884	0.3942 0.5861	0.4266	Ave		0.4452				33.0		35.0			
Pyrene	0.9901 1.0741	0.9225 1.0970	1.0259 1.1714	1.1304 1.1823	1.0392	Ave		1.0703				8.0		35.0			
Di-n-octyl phthalate	1.0906	+++++ 1.1838	0.5417 1.3197	0.8467 1.3643	1.0018	Ave		1.0498				27.0		35.0			
Butyl benzyl phthalate	0.4177	0.2175 0.4287	0.2768 0.4715	0.3688 0.4717	0.3857	Ave		0.3798				24.0		35.0			
3,3'-Dichlorobenzidine	0.4258	0.2420 0.4361	0.3105 0.4629	0.3897 0.4605	0.3808	Ave		0.3885				20.0		35.0			
Bis(2-ethylhexyl) phthalate	0.5914	0.3029 0.6160	0.3952 0.6675	0.5283 0.6671	0.5580	Ave		0.5408				24.0		35.0			
Benzo[a]anthracene	0.9020 0.9703	0.8054 1.0009	0.8997 1.0748	1.0092 1.0777	0.9369	Ave		0.9641				9.2		35.0			
Chrysene	0.9672 0.8833	0.8130 0.9047	0.8934 0.9559	0.9436 0.9517	0.8401	Ave		0.9059				6.0		35.0			
Benzo[b]fluoranthene	0.9494 1.1500	0.9382 1.1653	0.9969 1.2865	1.2193 1.3297	1.0956	Ave		1.1256				13.0		35.0			
Benzo[k]fluoranthene	1.0656 1.1999	1.0075 1.2818	1.1485 1.3454	1.2400 1.3536	1.1526	Ave		1.1994				9.9		35.0			
Benzo[a]pyrene	0.5219 1.1034	0.7615 1.1541	0.8946 1.2564	1.0675 1.2915	1.0501	Ave		1.0112				24.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Indeno[1,2,3-cd]pyrene	0.9939 1.1722	0.8686 1.2071	1.0038 1.3181	1.2130 1.3328	1.1231	Ave		1.1370				14.0		35.0			
Dibenz(a,h)anthracene	0.8261 0.9660	0.7252 0.9906	0.8214 1.0770	0.9965 1.0957	0.9226	Ave		0.9357				13.0		35.0			
Benzo[g,h,i]perylene	0.8968 0.9753	0.8553 1.0112	0.9150 1.0807	1.0250 1.1036	0.9263	Ave		0.9766				8.7		35.0			
2-Fluorophenol	 1.5666	1.4081 1.5692	1.4752 1.7616	1.7073 1.7061	1.5086	Ave		1.5878				7.9		35.0			
Phenol-d5	 2.0872	1.7917 2.0846	2.0235 2.3066	2.2399 2.2565	2.0183	Ave		2.1010				7.9		35.0			
Nitrobenzene-d5	0.3383 0.3682	0.2852 0.3764	0.3241 0.4007	0.3738 0.4015	0.3415	Ave		0.3566				11.0		35.0			
2-Fluorobiphenyl (Surr)	1.3060 1.2123	1.1896 1.2108	1.2445 1.3012	1.3099 1.3146	1.1628	Ave		1.2502				4.7		35.0			
2,4,6-Tribromophenol	 0.1935	0.0988 0.1993	0.1366 0.2112	0.1839 0.2184	0.1802	Ave		0.1777				23.0		35.0			
Terphenyl-d14	0.6894 0.6465	0.5965 0.6713	0.6521 0.7103	0.6914 0.7047	0.6250	Ave		0.6653				5.8		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-79448/6	30326006.D
Level 2	STD2 240-79448/5	30326005.D
Level 3	STD3 240-79448/4	30326004.D
Level 4	STD4 240-79448/3	30326003.D
Level 5	STD5 240-79448/2	30326002.D
Level 6	STD6 240-79448/10	30326010.D
Level 7	STD7 240-79448/9	30326009.D
Level 8	STD8 240-79448/8	30326008.D
Level 9	STD9 240-79448/7	30326007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	420122	23407 609271	36827 812988	77161 1025483	175291	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	570504	21784 802499	45391 1105285	88758 1352528	224396	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	1090395	41224 1511978	74575 2088089	181927 2642441	436263	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol	DCB	Ave	1476159	59043 2058575	125239 2809221	269737 3450828	593175	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1662335	68584 2327767	139172 3191428	308335 3955352	665435	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	925694	37974 1310152	84164 1760270	176434 2191721	373342	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	1124712	45248 1583922	98562 2180665	214405 2696449	453165	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	975264	43722 1354279	83901 1877531	182081 2303096	394229	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCB	Ave	1192018	52455 1673338	110176 2309298	226202 2851461	490425	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Lin1	1078161	+++++ 1680861	20122 2301997	93469 3022835	331850	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Benzyl alcohol	DCB	Ave	720165	25565 1040379	56392 1405316	133277 1735148	291870	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	914086	42135 1306787	80310 1771234	174496 2199824	372265	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	1055964	39906 1502160	92640 2006976	194676 2480635	419119	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,2'-oxybis[1-chloropropane]	DCB	Ave	962987	41645 1368664	86681 1843818	188170 2279797	381361	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3 & 4 Methylphenol	DCB	Ave	1091443	42843 1552017	92168 2101430	211669 2624076	438147	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	600670	23786 848436	51095 1136879	113569 1377355	246099	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	380489	15481 533536	30360 721295	66905 908365	145159	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	995913	38599 1388013	77754 1936346	177885 2376630	390254	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Ave	433425	+++++ 663498	+++++ 900840	31802 1159074	122402	20.0	+++++ 30.0	+++++ 40.0	4.00 50.0	10.0
Isophorone	NPT	Ave	1631728	61335 2334482	126917 3174030	289474 3972850	633525	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	562114	15126 801642	33937 1094299	85528 1353463	201326	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	1130626	44870 1584480	98916 2125189	215812 2606996	442644	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	1096909	44165 1548356	97678 2048320	209910 2601095	445478	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	912308	32019 1263688	74862 1742038	163752 2143316	350330	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	808990	35095 1142932	74414 1566115	148648 1904650	317142	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	23248 2467428	111184 3540834	217009 4783268	469037 5944609	983982	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	1201285	47629 1708794	97600 2290659	213873 2868698	473280	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	433361	19107 606172	38679 814445	79508 1006350	167968	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,3-Trichlorobenzene	NPT	Ave	750760	33452 1082729	66243 1432773	139463 1782769	298551	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloro-3-methylphenol	NPT	Ave	954944	31924 1384704	77246 1858379	170804 2328594	384172	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	341752	+++++ 496792	19475 676834	48766 857104	125414	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	14606 1572040	64788 2225086	139527 2987581	301470 3752455	621660	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	429847	12669 626565	27176 861001	66896 1066624	158855	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	650890	19518 922597	46661 1251922	112954 1573978	243352	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Lin1	338424	+++++ 517434	9817 716033	34328 891673	98836	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	697628	24247 984580	53888 1344691	125615 1696883	266711	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Toluene diamine	NPT	Ave	296411	16802 462880	43715 620565	77759 813092	112008	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	17227 1838102	83349 2656934	166539 3556973	360635 4425529	751588	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	14030 1638715	70187 2344810	144431 3170980	311456 3955274	654317	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	532110	14164 765126	32660 1041411	83232 1309734	194347	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	1666867	66037 2439906	142683 3355999	317373 4146465	681802	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	384404	9877 565942	24119 768234	54230 965893	143554	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	15874 2436333	91954 3551614	192722 4829028	439256 6048801	956467	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	494851	11481 722700	31106 995870	79408 1221769	187468	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	12236 1439434	65578 2063719	128675 2740413	277426 3416017	600263	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrotoluene	ANT	Ave	526384	11336 770957	29834 1052134	80286 1323846	195107	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	19799 2169395	95137 3143157	194227 4233295	416696 5306911	874981	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	1602197	65513 2339721	136196 3132662	299274 3957326	653925	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	848242	36523 1249315	76940 1673826	162909 2090559	346563	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	488242	13349 702472	27436 971298	75359 1188225	189097	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	14670 1789234	74781 2531431	156219 3411173	337549 4201488	727496	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	1419987	52408 2073080	113712 2793486	263876 3489863	574983	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Diphenylhydrazine	PHN	Ave	1930662	70699 2784315	152850 3744096	356569 4710267	779062	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	1930662	70776 2784315	152850 3744096	356569 4710267	779062	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	490578	19981 721422	41720 976059	93120 1200984	197505	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	5540 499897	20144 717490	42695 954287	93169 1196313	198445	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Pentachlorophenol	PHN	Ave	764114	16182 1153973	43647 1558037	105951 1937678	296110	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	22598 2454518	112650 3592541	226309 4832869	467013 6108372	1005160	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	15798 2537397	91971 3668301	196477 4982079	452219 6209443	1004362	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	2393500	96410 3496931	199426 4773650	435677 5876009	963476	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	2697028	113654 3996191	218142 5495379	500324 6786140	1122340	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	20877 2758426	105270 4053796	220359 5492589	491610 6901778	1116427	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Ave	1453880	23367 2181137	66007 2925689	187472 3656982	486326	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyrene	CRY	Ave	21286 2952020	111101 4274201	238740 5824508	537589 7376722	1184856	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Ave	2488951	+++++ 3846324	102348 5433207	323955 6940428	944629	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	1148070	26196 1670244	64414 2344618	175400 2943091	439794	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dichlorobenzidine	CRY	Ave	1170164	29140 1699140	72252 2301749	185338 2873193	434211	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1625244	36483 2400113	91978 3318999	251255 4162273	636213	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Ave	19392 2666598	96994 3899652	209380 5344271	479938 6724075	1068170	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	20795 2427682	97913 3525022	207916 4752804	448733 5937855	957809	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	16792 2624632	90721 3786238	188361 5296452	466521 6763986	1032987	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	18847 2738407	97415 4164952	217006 5538890	474465 6885986	1086750	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	9232 2518111	73637 3749884	169031 5172766	408458 6569717	990110	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	17580 2675286	83988 3922218	189677 5426465	464115 6780021	1058943	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	14612 2204679	70122 3218513	155208 4434051	381276 5574031	869919	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	15863 2225735	82707 3285630	172894 4449370	392176 5613886	873393	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol	DCB	Ave	1039757	43211 1483458	85886 2047130	194803 2507104	419804	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 09:55 Calibration End Date: 03/26/2013 13:05 Calibration ID: 14265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Phenol-d5	DCB	Ave	1385274	54982 1970716	117808 2680473	255567 3315929	561669	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5	NPT	Ave	7552 957271	34065 1389517	74698 1854040	170163 2314248	375505	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	16465 1842894	83345 2632436	166030 3555754	345738 4466491	737748	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol	ANT	Ave	294115	6925 433359	18218 577145	48551 742165	114313	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14	CRY	Ave	14821 1776880	71844 2615522	151757 3531872	328823 4396791	712539	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:16 Calibration End Date: 03/26/2013 17:03 Calibration ID: 14269

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 240-79448/20	30326020.D
Level 2	STD3 240-79448/19	30326019.D
Level 3	STD4 240-79448/18	30326018.D
Level 4	STD5 240-79448/17	30326017.D
Level 5	STD6 240-79448/16	30326016.D
Level 6	STD7 240-79448/15	30326015.D
Level 7	STD8 240-79448/14	30326014.D
Level 8	STD9 240-79448/13	30326013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodiethylamine	0.4825 0.6611	0.4973 0.6253	0.5119 0.6519	0.5837	0.5978	Ave		0.5764				12.0		35.0			
N-Nitrosopyrrolidine	0.3562 0.6161	0.3706 0.5899	0.4360 0.6189	0.4933	0.5207	Ave		0.5002				21.0		35.0			
2-Toluidine	2.0777 1.4469	1.9392 1.0668	2.0450	2.0172	1.7245	Ave		1.7596				22.0		35.0			
N-Nitrosodi-n-butylamine	0.1372 0.2154	0.1560 0.2123	0.1714 0.2106	0.1869	0.1950	Ave		0.1856				15.0		35.0			
1,2,4,5-Tetrachlorobenzene	0.4939 0.5031	0.4722 0.5064	0.4677 0.4860	0.4723	0.4728	Ave		0.4843				3.2		35.0			
Pentachlorobenzene	0.4130 0.4370	0.3892 0.4341	0.3934 0.4284	0.4067	0.4109	Ave		0.4141				4.3		35.0			
Tributyl phosphate	0.7185 1.5757	0.4067 1.5854	1.1495 1.5963	1.2933	1.4442	Lin1	-0.758	1.5960							0.9960		0.9900
Pentachloronitrobenzene	0.0474 0.0837	0.0579 0.0833	0.0658 0.0809	0.0736	0.0756	Ave		0.0710				18.0		35.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 460-52642-1 Analy Batch No.: 79448

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:16 Calibration End Date: 03/26/2013 17:03 Calibration ID: 14269

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 240-79448/20	30326020.D
Level 2	STD3 240-79448/19	30326019.D
Level 3	STD4 240-79448/18	30326018.D
Level 4	STD5 240-79448/17	30326017.D
Level 5	STD6 240-79448/16	30326016.D
Level 6	STD7 240-79448/15	30326015.D
Level 7	STD8 240-79448/14	30326014.D
Level 8	STD9 240-79448/13	30326013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodiethylamine	DCB	Ave	15263 538270	32509 655217	65318 889540	175285	336868	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
N-Nitrosopyrrolidine	DCB	Ave	11269 501598	24231 618214	55638 844552	148136	293444	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
2-Toluidine	DCB	Ave	65726 1178067	126774 1117880	260952	605800	971754	0.500 15.0	1.00 20.0	2.00	5.00	10.0
N-Nitrosodi-n-butylamine	NPT	Ave	17505 725272	40512 885314	89580 1201917	224715	442132	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	37724 1026755	70305 1249210	145364 1658749	344279	630153	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
Pentachlorobenzene	ANT	Ave	31545 891837	57938 1070847	122253 1462272	296436	547631	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
Tributyl phosphate	ANT	Lin1	54874 3215708	60544 3910474	357231 5448745	942726	1924643	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0
Pentachloronitrobenzene	PHN	Ave	5785 273644	14161 337926	32297 451439	85656	167672	0.500 15.0	1.00 20.0	2.00 25.0	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 240-79448/11 Calibration Date: 03/26/2013 13:29

Instrument ID: A4HP7 Calib Start Date: 03/26/2013 09:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/26/2013 13:05

Lab File ID: 30326011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6721	0.6275		9.34	10.0	-6.6	20.0
N-Nitrosodimethylamine	Ave	0.8317	0.8725		10.5	10.0	4.9	20.0
Pyridine	Ave	1.578	1.630		10.3	10.0	3.3	20.0
Phenol	Ave	2.217	2.182		9.84	10.0	-1.6	20.0
Aniline	Ave	2.515	2.494		9.91	10.0	-0.9	20.0
Bis(2-chloroethyl)ether	Ave	1.420	1.375		9.69	10.0	-3.1	20.0
2-Chlorophenol	Ave	1.720	1.720		10.0	10.0	0.0	20.0
1,3-Dichlorobenzene	Ave	1.495	1.473		9.85	10.0	-1.5	20.0
1,4-Dichlorobenzene	Ave	1.855	1.793		9.67	10.0	-3.3	20.0
Benzyl alcohol	Ave	1.074	1.116		10.4	10.0	3.9	20.0
1,2-Dichlorobenzene	Ave	1.425	1.398		9.81	10.0	-1.9	20.0
2-Methylphenol	Ave	1.587	1.602		10.1	10.0	0.9	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.488	1.447		9.73	10.0	-2.7	20.0
3 & 4 Methylphenol	Ave	1.661	1.655		9.96	10.0	-0.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.9063	0.9257		10.2	10.0	2.1	20.0
Hexachloroethane	Ave	0.5638	0.5766		10.2	10.0	2.3	20.0
Nitrobenzene	Ave	0.3745	0.3822		10.2	10.0	2.1	20.0
Isophorone	Ave	0.6139	0.6393		10.4	10.0	4.1	20.0
2-Nitrophenol	Ave	0.1937	0.2152		11.1	10.0	11.1	20.0
2,4-Dimethylphenol	Ave	0.4321	0.4299		9.95	10.0	-0.5	20.0
Benzoic acid	Lin1		0.2145		18.9	20.0	-5.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.4244	0.4181		9.85	10.0	-1.5	20.0
2,4-Dichlorophenol	Ave	0.3391	0.3492		10.3	10.0	3.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3152	0.3019		9.58	10.0	-4.2	20.0
Naphthalene	Ave	0.9792	0.9431		9.63	10.0	-3.7	20.0
4-Chloroaniline	Ave	0.4550	0.4554		10.0	10.0	0.0	20.0
Hexachlorobutadiene	Ave	0.1671	0.1638		9.80	10.0	-2.0	20.0
1,2,3-Trichlorobenzene	Ave	0.2933	0.2912		9.93	10.0	-0.7	20.0
4-Chloro-3-methylphenol	Ave	0.3594	0.3748		10.4	10.0	4.3	20.0
2-Methylnaphthalene	Ave	0.6149	0.6009		9.77	10.0	-2.3	20.0
Hexachlorocyclopentadiene	Ave	0.2610	0.2669		10.2	10.0	2.2	20.0
2,4,6-Trichlorophenol	Ave	0.4017	0.4083		10.2	10.0	1.6	20.0
2,4,5-Trichlorophenol	Ave	0.4437	0.4540		10.2	10.0	2.3	20.0
2,4-Toluene diamine	Ave	0.1397	0.1237		8.85	10.0	-11.5	20.0
1,1'-Biphenyl	Ave	1.266	1.194		9.43	10.0	-5.7	20.0
2-Chloronaphthalene	Ave	1.099	1.040		9.47	10.0	-5.3	20.0
2-Nitroaniline	Ave	0.3171	0.3450		10.9	10.0	8.8	20.0
Dimethyl phthalate	Ave	1.120	1.106		9.88	10.0	-1.2	20.0
2,6-Dinitrotoluene	Ave	0.2290	0.2526		11.0	10.0	10.3	20.0
Acenaphthylene	Ave	1.552	1.595		10.3	10.0	2.8	20.0
3-Nitroaniline	Ave	0.2969	0.3241		10.9	10.0	9.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 240-79448/11 Calibration Date: 03/26/2013 13:29

Instrument ID: A4HP7 Calib Start Date: 03/26/2013 09:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/26/2013 13:05

Lab File ID: 30326011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Ave	0.1312	0.1385		21.1	20.0	5.6	20.0
Acenaphthene	Ave	0.9747	0.9304		9.54	10.0	-4.6	20.0
4-Nitrophenol	Ave	0.2117	0.2243		10.6	10.0	6.0	20.0
2,4-Dinitrotoluene	Ave	0.3091	0.3484		11.3	10.0	12.7	20.0
Dibenzofuran	Ave	1.481	1.409		9.52	10.0	-4.8	20.0
Diethyl phthalate	Ave	1.070	1.050		9.82	10.0	-1.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5777	0.5623		9.73	10.0	-2.7	20.0
4-Nitroaniline	Ave	0.2912	0.3261		11.2	10.0	12.0	20.0
Fluorene	Ave	1.184	1.150		9.71	10.0	-2.9	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1429		9.58	10.0	-4.2	20.0
N-Nitrosodiphenylamine	Ave	0.5865	0.5980		10.2	10.0	2.0	20.0
1,2-Diphenylhydrazine	Ave	0.7912	0.7970		10.1	10.0	0.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2070	0.2052		9.91	10.0	-0.9	20.0
Hexachlorobenzene	Ave	0.2151	0.2022		9.40	10.0	-6.0	20.0
Pentachlorophenol	Ave	0.1418	0.1605		22.6	20.0	13.2	20.0
Phenanthrene	Ave	1.070	1.023		9.56	10.0	-4.4	20.0
Anthracene	Ave	1.004	1.047		10.4	10.0	4.3	20.0
Carbazole	Ave	1.001	0.9899		9.89	10.0	-1.1	20.0
Di-n-butyl phthalate	Ave	1.146	1.136		9.92	10.0	-0.8	20.0
Fluoranthene	Ave	1.131	1.147		10.1	10.0	1.4	20.0
Benzidine	Ave	0.4452	0.5206		11.7	10.0	16.9	20.0
Pyrene	Ave	1.070	1.055		9.86	10.0	-1.4	20.0
Butyl benzyl phthalate	Ave	0.3798	0.4142		10.9	10.0	9.1	20.0
3,3'-Dichlorobenzidine	Ave	0.3885	0.4234		10.9	10.0	9.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5408	0.5923		11.0	10.0	9.5	20.0
Benzo[a]anthracene	Ave	0.9641	0.9768		10.1	10.0	1.3	20.0
Chrysene	Ave	0.9059	0.8705		9.61	10.0	-3.9	20.0
Di-n-octyl phthalate	Ave	1.050	1.124		10.7	10.0	7.0	20.0
Benzo[b]fluoranthene	Ave	1.126	1.160		10.3	10.0	3.0	20.0
Benzo[k]fluoranthene	Ave	1.199	1.220		10.2	10.0	1.7	20.0
Benzo[a]pyrene	Ave	1.011	1.121		11.1	10.0	10.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.137	1.182		10.4	10.0	4.0	20.0
Dibenz(a,h)anthracene	Ave	0.9357	0.9749		10.4	10.0	4.2	20.0
Benzo[g,h,i]perylene	Ave	0.9766	0.995		10.2	10.0	1.9	20.0
2-Fluorophenol	Ave	1.588	1.592		10.0	10.0	0.3	20.0
Phenol-d5	Ave	2.101	2.123		10.1	10.0	1.0	20.0
Nitrobenzene-d5	Ave	0.3566	0.3649		10.2	10.0	2.3	20.0
2-Fluorobiphenyl (Surr)	Ave	1.250	1.181		9.44	10.0	-5.6	20.0
2,4,6-Tribromophenol	Ave	0.1777	0.1927		10.8	10.0	8.4	20.0
Terphenyl-d14	Ave	0.6653	0.6368		9.57	10.0	-4.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 240-79448/21 Calibration Date: 03/26/2013 17:27

Instrument ID: A4HP7 Calib Start Date: 03/26/2013 14:16

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/26/2013 17:03

Lab File ID: 30326021.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiethylamine	Ave	0.5764	0.5953		10.3	10.0	3.3	20.0
N-Nitrosopyrrolidine	Ave	0.5002	0.5124		10.2	10.0	2.4	20.0
2-Toluidine	Ave	1.760	1.705		9.69	10.0	-3.1	20.0
N-Nitrosodi-n-butylamine	Ave	0.1856	0.1907		10.3	10.0	2.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4843	0.4721		9.75	10.0	-2.5	20.0
Pentachlorobenzene	Ave	0.4141	0.4091		9.88	10.0	-1.2	20.0
Tributyl phosphate	Lin1		1.435		9.47	10.0	-5.3	20.0
Pentachloronitrobenzene	Ave	0.0710	0.0780		11.0	10.0	9.8	20.0

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63142.d
Report Date: 20-Mar-2013 20:06

TestAmerica

Data file : /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63142.d
Lab Smp Id: DFTPP-1896725
Inj Date : 20-MAR-2013 19:35
Operator : BNAMS3 Inst ID: BNAMS6.i
Smp Info : DFTPP-1896725
Misc Info : 25ng/uL DFTPP STD 4725
Comment :
Method : /chem/BNAMS6.i/625/03-20-13/20mar13.b/BNADFTPP.m
Meth Date : 20-Mar-2013 20:06 wahied Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

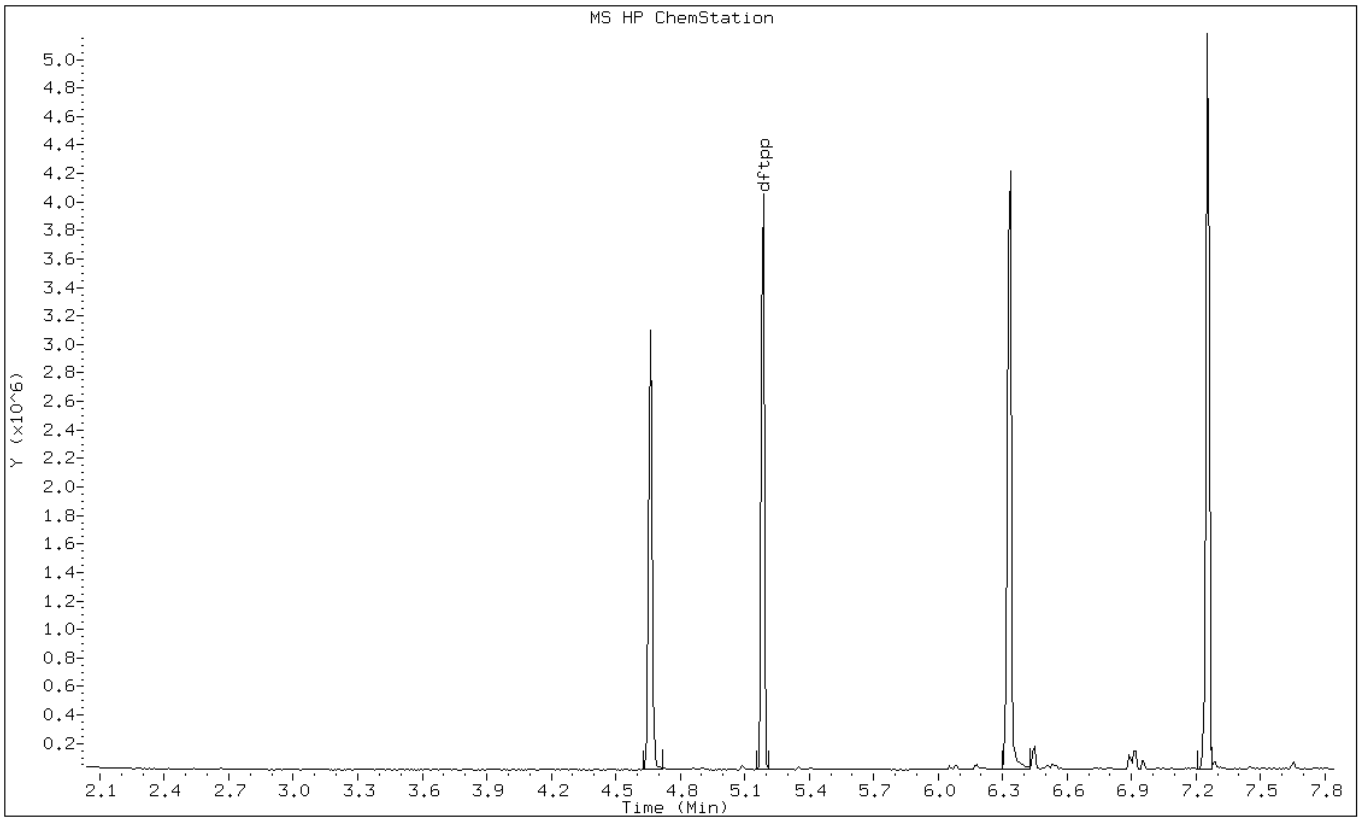
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.187	5.100	0.087	198	282866			0.00- 100.00	100.00
5.187	5.100	0.087	51	150770			30.00- 60.00	53.30
5.187	5.100	0.087	68	500			0.00- 2.00	0.24
5.187	5.100	0.087	69	211349			0.00- 0.00	74.72
5.187	5.100	0.087	70	0			0.00- 2.00	0.00
5.187	5.100	0.087	127	153320			40.00- 60.00	54.20
5.187	5.100	0.087	197	0			0.00- 1.00	0.00
5.187	5.100	0.087	199	19600			5.00- 9.00	6.93
5.187	5.100	0.087	275	55133			10.00- 30.00	19.49
5.187	5.100	0.087	365	7971			1.00- 0.00	2.82
5.187	5.100	0.087	441	33490			0.01- 100.00	80.24
5.187	5.100	0.087	442	212173			40.00- 110.00	75.01
5.187	5.100	0.087	443	41736			17.00- 23.00	19.67

Data File: m63142.d

Date: 20-MAR-2013 19:35

Client ID: Instrument: BNAMS6.i

Sample Info: DFTPP-1896725 Operator: BNAMS3



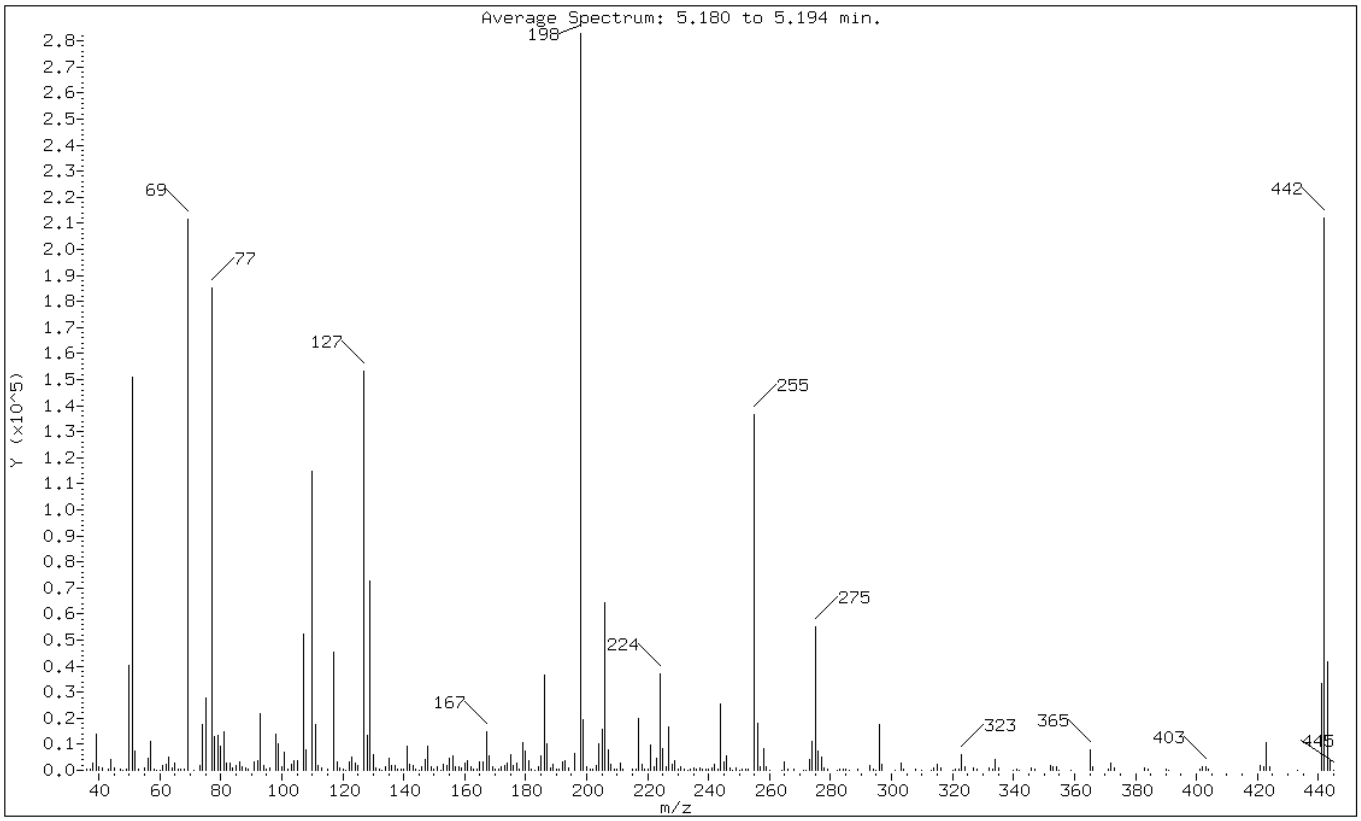
Data File: m63142.d

Date: 20-MAR-2013 19:35

Client ID: Instrument: BNAMS6.i

Sample Info: DFTPP-1896725 Operator: BNAMS3

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	53.30
68	Less than 2.00% of mass 69	0.18 (0.24)
69	Mass 69 relative abundance	74.72
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.20
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.93
275	10.00 - 30.00% of mass 198	19.49
365	Greater than 1.00% of mass 198	2.82
441	0.01 - 100.00% of mass 443	11.84 (80.24)
442	40.00 - 110.00% of mass 198	75.01
443	17.00 - 23.00% of mass 442	14.75 (19.67)

Data File: m63142.d

Date: 20-MAR-2013 19:35

Client ID: Instrument: BNAMS6.i

Sample Info: DFTPP-1896725 Operator: BNAMS3

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63142.d
Spectrum: Average Spectrum: 5.180 to 5.194 min.
Location of Maximum: 198.00
Number of points: 284

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	427	120.00	543	193.00	3484	276.00	7438
37.00	339	121.00	207	194.00	737	277.00	5053
38.00	2990	122.00	3471	196.00	6674	278.00	714
39.00	13713	123.00	5181	198.00	282816	279.00	361
40.00	1616	124.00	2884	199.00	19600	282.00	100
41.00	735	125.00	1846	200.00	1444	283.00	405
43.00	306	127.00	153280	201.00	632	284.00	399
44.00	4035	128.00	13273	202.00	493	285.00	648
45.00	747	129.00	72760	203.00	2058	286.00	154
47.00	484	130.00	6073	204.00	10276	289.00	426
48.00	127	131.00	859	205.00	15668	293.00	1624
49.00	611	132.00	509	206.00	64136	294.00	239
50.00	40440	133.00	231	207.00	7752	295.00	126
51.00	150720	134.00	1400	208.00	2349	296.00	17480
52.00	7440	135.00	4852	209.00	663	297.00	2226
53.00	391	136.00	1908	210.00	314	301.00	169
55.00	1004	137.00	1849	211.00	2718	303.00	2562
56.00	4773	138.00	284	212.00	370	304.00	457
57.00	11177	139.00	322	215.00	271	308.00	252
58.00	405	140.00	351	216.00	689	310.00	129
59.00	105	141.00	9074	217.00	19960	313.00	137
60.00	159	142.00	2411	218.00	2277	314.00	1131
61.00	1867	143.00	1936	219.00	266	315.00	2206
62.00	2182	144.00	432	220.00	261	316.00	881
63.00	5216	145.00	207	221.00	9754	320.00	118
64.00	887	146.00	1367	222.00	1437	321.00	465
65.00	2891	147.00	4089	223.00	4547	322.00	321
66.00	418	148.00	9199	224.00	36840	323.00	5935
67.00	396	149.00	1575	225.00	8475	324.00	1341
68.00	500	150.00	410	226.00	1438	327.00	1157
69.00	211328	151.00	1542	227.00	16680	328.00	528
71.00	104	152.00	216	228.00	2092	332.00	713
73.00	1734	153.00	2508	229.00	3845	333.00	623
74.00	17544	154.00	1680	230.00	343	334.00	4101
75.00	27840	155.00	4697	231.00	1266	335.00	885
77.00	185088	156.00	5527	232.00	327	340.00	99
78.00	12912	157.00	1389	233.00	203	341.00	464
79.00	13469	158.00	1526	234.00	675	342.00	136
80.00	9074	159.00	905	235.00	809	346.00	1038
81.00	14672	160.00	2607	236.00	574	347.00	251

82.00	2690	161.00	3729	237.00	1031	352.00	1675
83.00	2707	162.00	1235	238.00	246	353.00	1287
84.00	891	163.00	249	239.00	542	354.00	1566
85.00	1717	164.00	384	240.00	310	355.00	133
86.00	3407	165.00	3009	241.00	920	359.00	100
87.00	1570	166.00	3021	242.00	2117	365.00	7971
88.00	958	167.00	14712	243.00	292	366.00	1266
89.00	666	168.00	5717	244.00	25680	371.00	444
91.00	3274	169.00	1165	245.00	3103	372.00	2873
92.00	3786	170.00	522	246.00	5540	373.00	697
93.00	21936	171.00	604	247.00	1081	383.00	805
94.00	1973	172.00	1455	248.00	174	384.00	320
95.00	460	173.00	1846	249.00	942	390.00	541
96.00	918	174.00	2877	250.00	135	391.00	147
98.00	13722	175.00	5790	251.00	501	401.00	242
99.00	10029	176.00	1710	252.00	592	402.00	1213
100.00	1200	177.00	2665	253.00	647	403.00	1528
101.00	6944	178.00	469	255.00	136512	404.00	692
102.00	392	179.00	10812	256.00	18104	421.00	1691
103.00	2332	180.00	7632	257.00	1366	422.00	1284
104.00	3855	181.00	3907	258.00	8349	423.00	10460
105.00	3794	182.00	305	259.00	1320	424.00	1387
107.00	52376	183.00	112	260.00	148	433.00	100
108.00	7814	184.00	1271	264.00	198	441.00	33488
110.00	114832	185.00	5689	265.00	3322	442.00	212160
111.00	17784	186.00	36616	266.00	514	443.00	41736
112.00	2059	187.00	10089	268.00	246	444.00	3727
113.00	762	188.00	763	271.00	135	445.00	170
115.00	348	189.00	2480	272.00	192		
117.00	45576	190.00	531	273.00	4137		
118.00	3237	191.00	651	274.00	11152		
119.00	780	192.00	3241	275.00	55128		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	26-Mar-2013 09:31:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0018258-001		
Misc. Info.:	DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	79448	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\8270_hp7.m		
Last Update:	27-Mar-2013 08:37:36	Calib Date:	26-Mar-2013 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326020.D		
Limit Group:	MSS 625 ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK014		

First Level Reviewer: gruberj Date: 26-Mar-2013 09:49:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.648	9.648	0.0	87	896633	0	
148 DFTPP								
158 Benzidine	184	10.964	10.964	0.0	99	4804982	0	
164 4,4'-DDE	246	11.135	11.135	0.0	46	3595	0	
163 4,4'-DDD	235	11.477	11.477	0.0	95	80813	0	
168 4,4'-DDT	235	11.809	11.809	0.0	98	1943916	0	

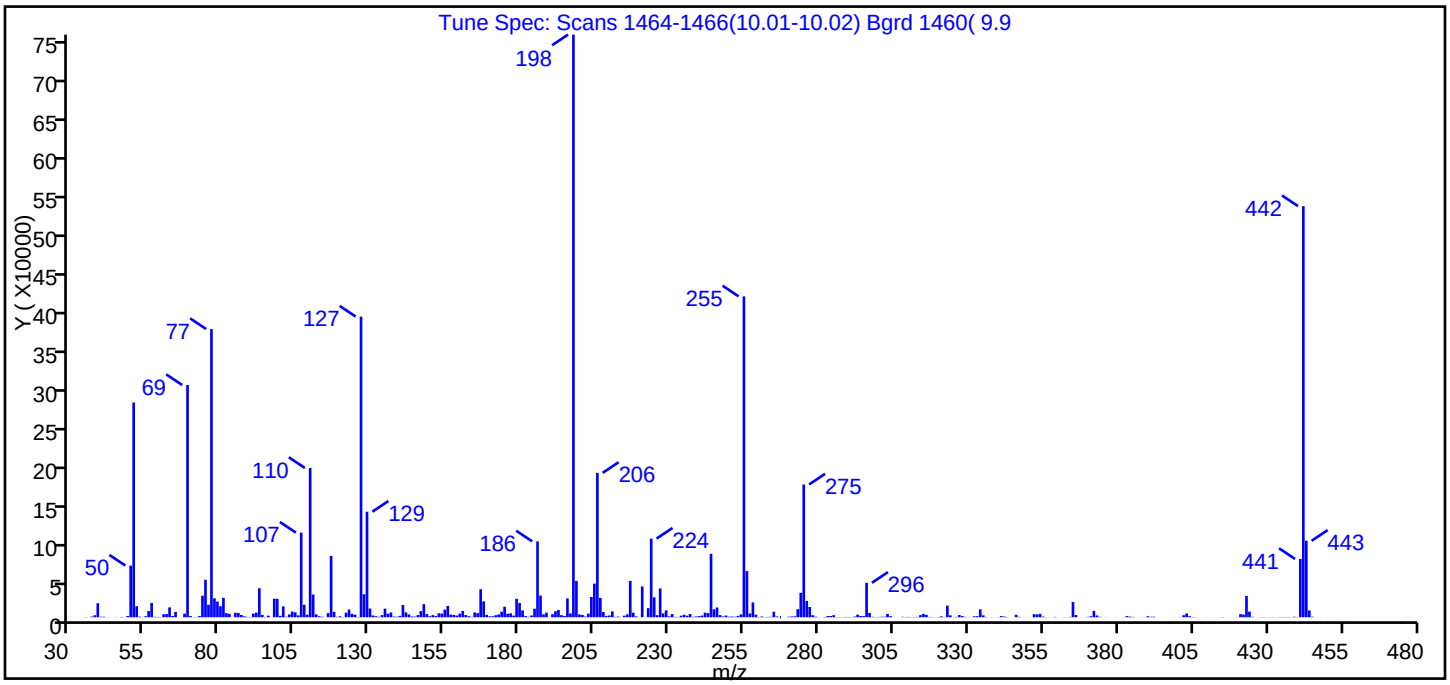
Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D		
Injection Date:	26-Mar-2013 09:31:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	36.86
68	Less than 2.00% of mass 69	0.63 (1.57)
69	Present	39.86
70	Less than 2.00% of mass 69	0.21 (0.53)
127	25.00 - 75.00% of mass 198	51.60
197	Less than 1.00% of mass 198	0.66
199	5.00 - 9.00% of mass 198	6.24
275	10.00 - 30.00% of mass 198	22.79
365	Greater than 0.75% of mass 198	2.62
441	Present, but less than mass 443%	10.01 (76.23)
442	40.00 - 110.00% of mass 198	70.56
443	15.00 - 24.00% of mass 442	13.13 (18.61)

Data File: \\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D\8270_hp7.rslt\spectra.d
Injection Date: 26-Mar-2013 09:31:30
Spectrum: Tune Spec: Scans 1464-1466(10.01-10.02) Bgrd 1460(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	287	137.00	6242	234.00	2006	333.00	1419
36.00	67	138.00	889	235.00	3236	334.00	10308
37.00	887	139.00	712	236.00	2030	335.00	2489
38.00	2634	140.00	1727	237.00	4201	336.00	420
39.00	18152	141.00	15798	238.00	540	338.00	192
40.00	695	142.00	6331	239.00	1052	339.00	93
41.00	672	143.00	3697	240.00	1564	340.00	149
42.00	204	144.00	1030	241.00	2181	341.00	1537
45.00	193	145.00	892	242.00	5975	342.00	922
47.00	403	146.00	2806	243.00	5353	343.00	309
48.00	82	147.00	7987	244.00	82296	346.00	3325
49.00	1688	148.00	16976	245.00	10288	347.00	507
50.00	67048	149.00	4258	246.00	12653	348.00	53
51.00	278592	150.00	1356	247.00	2845	349.00	52
52.00	14302	151.00	2806	248.00	976	351.00	74
53.00	792	152.00	1556	249.00	2232	352.00	3974
54.00	96	153.00	5183	250.00	736	353.00	3745
55.00	1348	154.00	4755	251.00	930	354.00	4399
56.00	8041	155.00	9943	252.00	641	355.00	927
57.00	18544	156.00	14753	253.00	1740	356.00	200
58.00	566	157.00	3503	254.00	3703	357.00	121
59.00	461	158.00	2936	255.00	416256	358.00	62
60.00	271	159.00	2235	256.00	59880	359.00	475
61.00	3922	160.00	4683	257.00	4896	360.00	81
62.00	4178	161.00	8248	258.00	19296	361.00	53
63.00	12841	162.00	2854	259.00	3344	362.00	229
64.00	1611	163.00	1421	260.00	262	363.00	117
65.00	6924	164.00	555	261.00	979	364.00	453
68.00	4736	165.00	6253	262.00	188	365.00	19768
69.00	301248	166.00	5397	263.00	489	366.00	2920
70.00	1597	167.00	36368	264.00	588	367.00	120
71.00	257	168.00	20584	265.00	7224	369.00	131
72.00	355	169.00	3201	266.00	1094	370.00	504

Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D\8270_hp7.rslt\spectra.d
Injection Date: 26-Mar-2013 09:31:30
Spectrum: Tune Spec: Scans 1464-1466(10.01-10.02) Bgrd 1460(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	1620	170.00	1225	267.00	2	371.00	1360
74.00	27960	171.00	1279	268.00	17	372.00	8334
75.00	48576	172.00	2663	269.00	90	373.00	2365
76.00	16196	173.00	3592	270.00	739	374.00	538
77.00	373888	174.00	7284	271.00	1030	376.00	132
78.00	24576	175.00	13633	272.00	1185	377.00	92
79.00	20336	176.00	4443	273.00	10488	379.00	83
80.00	14317	177.00	5129	274.00	31696	380.00	66
81.00	25184	178.00	2176	275.00	172224	382.00	152
82.00	5248	179.00	23936	276.00	21200	383.00	1512
83.00	4511	180.00	18528	277.00	13322	384.00	880
85.00	5848	181.00	8831	278.00	2653	385.00	437
86.00	5592	182.00	1547	279.00	772	386.00	76
87.00	3031	183.00	542	280.00	205	388.00	117
88.00	1240	184.00	2345	282.00	348	389.00	151
89.00	549	185.00	11041	283.00	1654	390.00	1325
90.00	349	186.00	98424	284.00	1640	391.00	639
91.00	4750	187.00	28192	285.00	2656	392.00	736
92.00	6009	188.00	3809	286.00	337	399.00	109
93.00	37640	189.00	6044	287.00	227	401.00	197
94.00	3064	190.00	3	288.00	143	402.00	2647
95.00	455	191.00	3989	289.00	398	403.00	4936
96.00	2060	192.00	7776	290.00	361	404.00	1403
97.00	27	193.00	9364	291.00	176	405.00	309
98.00	24152	194.00	2706	292.00	894	406.00	130
99.00	23912	195.00	1628	293.00	3377	409.00	79
100.00	1838	196.00	24448	294.00	1702	410.00	119
101.00	14166	197.00	4999	295.00	1555	414.00	50
102.00	666	198.00	755840	296.00	44680	415.00	344
103.00	3675	199.00	47136	297.00	5606	417.00	55
104.00	7434	200.00	3663	298.00	557	419.00	54
105.00	6408	201.00	3035	299.00	330	420.00	169
106.00	2487	202.00	882	300.00	384	421.00	4072
107.00	109800	203.00	4686	301.00	613	422.00	3494

Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D\8270_hp7.rslt\spectra.d
Injection Date: 26-Mar-2013 09:31:30
Spectrum: Tune Spec: Scans 1464-1466(10.01-10.02) Bgrd 1460(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	16162	204.00	26288	302.00	779	423.00	27776
109.00	3353	205.00	43584	303.00	4425	424.00	7404
110.00	193664	206.00	187328	304.00	1521	425.00	592
111.00	29424	207.00	25136	308.00	567	428.00	239
112.00	3805	208.00	6885	309.00	285	429.00	317
113.00	1350	209.00	1771	310.00	451	430.00	50
114.00	673	210.00	2295	311.00	264	431.00	251
116.00	5330	211.00	7594	312.00	252	432.00	236
117.00	79584	212.00	478	313.00	489	434.00	310
118.00	7113	213.00	883	314.00	2725	435.00	300
119.00	610	215.00	1967	315.00	4357	436.00	283
120.00	1271	216.00	3757	316.00	3102	437.00	416
121.00	295	217.00	47168	317.00	458	438.00	53
122.00	5922	218.00	5872	318.00	251	439.00	641
123.00	10029	219.00	1097	319.00	69	440.00	249
124.00	4389	220.00	157	320.00	356	441.00	75640
125.00	3377	221.00	40040	321.00	1170	442.00	533312
126.00	269	223.00	11809	322.00	382	443.00	99224
127.00	390016	224.00	102024	323.00	15128	444.00	8806
128.00	29848	225.00	25856	324.00	2489	445.00	759
129.00	136896	226.00	2743	325.00	171	446.00	66
130.00	11313	227.00	37344	326.00	501	447.00	98
131.00	2321	228.00	4994	327.00	2928	448.00	52
132.00	1430	229.00	8888	328.00	1574	450.00	102
133.00	553	230.00	1249	329.00	481	453.00	89
134.00	2838	231.00	4118	330.00	109	457.00	63
135.00	11192	232.00	571	331.00	100	477.00	142
136.00	4574	233.00	425	332.00	1247		

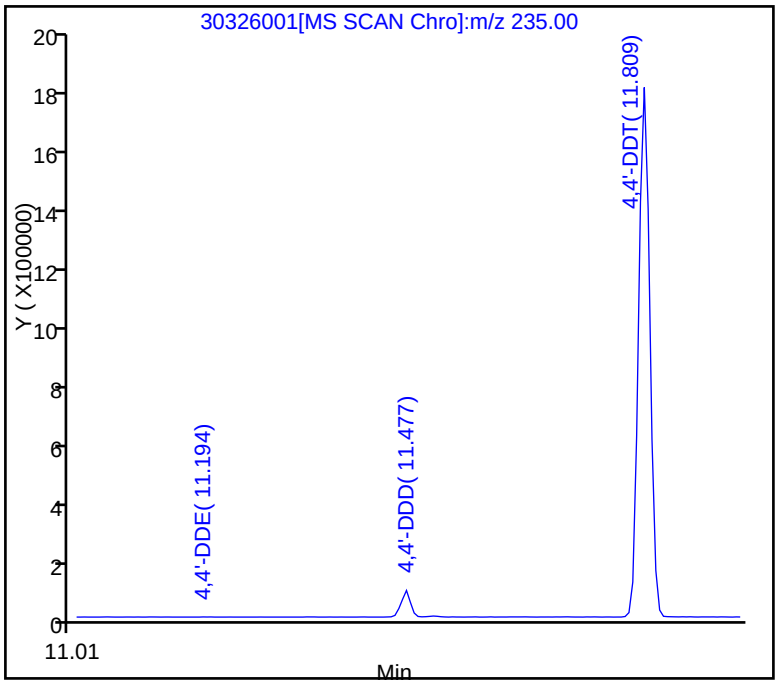
Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D		
Injection Date:	26-Mar-2013 09:31:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 1943916
163 4,4'-DDD, Area = 80813
164 4,4'-DDE, Area = 3595

%Breakdown: 4.16%, Max Limit: 20.00%
Passed

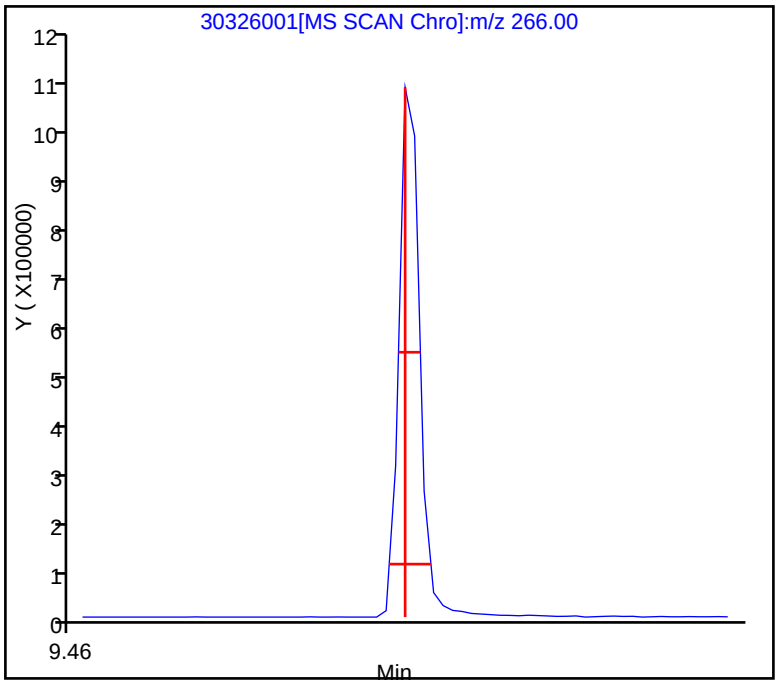
Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D		
Injection Date:	26-Mar-2013 09:31:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.6, Max. Tailing < 5.00
Passed

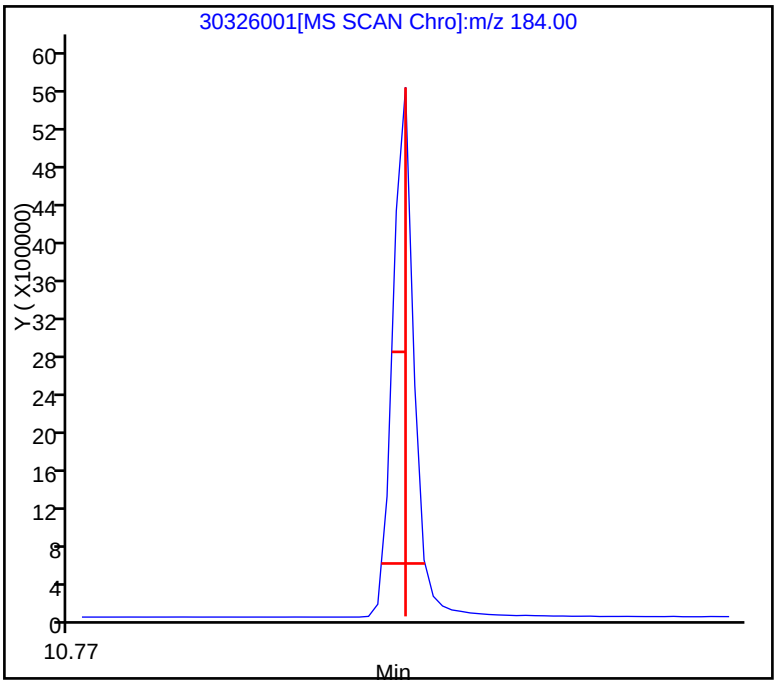
Report Date: 27-Mar-2013 08:37:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326001.D		
Injection Date:	26-Mar-2013 09:31:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-152013/1-A
Matrix: Water
Lab File ID: m63165.d
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/21/2013 07:15
Sample wt/vol: 1000(mL)
Date Analyzed: 03/21/2013 08:23
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 152058
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	ND		1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	47		10-65
4165-62-2	Phenol-d5	31		10-48
4165-60-0	Nitrobenzene-d5	91		56-112
321-60-8	2-Fluorobiphenyl	82		53-108
118-79-6	2,4,6-Tribromophenol	80		46-122
1718-51-0	Terphenyl-d14	99		50-122

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63165.d
Report Date: 21-Mar-2013 13:55

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63165.d
Lab Smp Id: MB 460-152013/1-A
Inj Date : 21-MAR-2013 08:23
Operator : BNAMS 1 Inst ID: BNAMS6.i
Smp Info : MB 460-152013/1-A
Misc Info : MB 460-152013/1-A
Comment :
Method : /chem/BNAMS6.i/625/03-20-13/20mar13.b/625BNA_11.m
Meth Date : 21-Mar-2013 07:53 croccom Quant Type: ISTD
Cal Date : 20-MAR-2013 22:50 Cal File: m63147.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

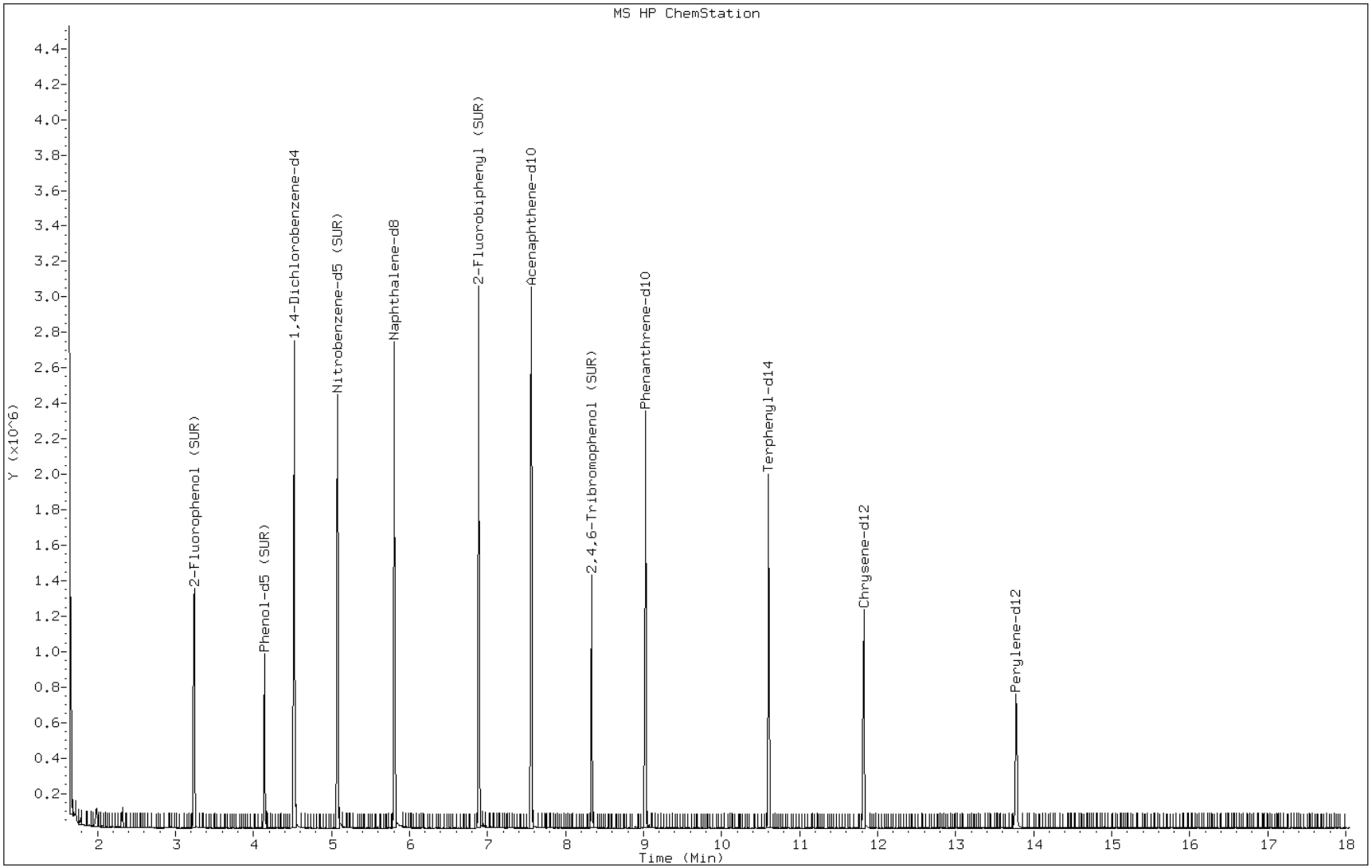
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.242	3.234	(0.717)	434544	23.7439	47.5
$ 17 Phenol-d5 (SUR)	99	4.142	4.138	(0.916)	287678	15.3377	30.7
* 79 1,4-Dichlorobenzene-d4	152	4.522	4.526	(1.000)	372830	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.078	5.070	(0.874)	919779	45.6432	91.3
* 80 Naphthalene-d8	136	5.808	5.805	(1.000)	1170146	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.892	6.885	(0.911)	865510	41.0458	82.1
* 82 Acenaphthene-d10	164	7.562	7.559	(1.000)	687149	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.334	8.336	(1.102)	127270	40.2242	80.4
* 83 Phenanthrene-d10	188	9.026	9.029	(1.000)	808390	40.0000	
$ 78 Terphenyl-d14	244	10.604	10.599	(0.897)	563681	49.4765	99.0
* 81 Chrysene-d12	240	11.824	11.826	(1.000)	472650	40.0000	
* 84 Perylene-d12	264	13.776	13.782	(1.000)	387313	40.0000	

Data File: m63165.d

Date: 21-MAR-2013 08:23

Client ID: Instrument: BNAMS6.i

Sample Info: MB 460-152013/1-A Operator: BNAMS 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 240-79226/2-A
Matrix: Water
Lab File ID: 30326022.D
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/23/2013 11:09
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 17:50
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 79448
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		10	0.28
95-50-1	1,2-Dichlorobenzene	ND		10	0.29
541-73-1	1,3-Dichlorobenzene	ND		10	0.80
106-46-7	1,4-Dichlorobenzene	ND		10	0.34
88-06-2	2,4,6-Trichlorophenol	ND		10	0.80
120-83-2	2,4-Dichlorophenol	ND		10	0.80
105-67-9	2,4-Dimethylphenol	ND		10	0.80
51-28-5	2,4-Dinitrophenol	ND		50	2.4
121-14-2	2,4-Dinitrotoluene	ND		10	0.27
606-20-2	2,6-Dinitrotoluene	ND		10	0.80
91-58-7	2-Chloronaphthalene	ND		10	0.10
95-57-8	2-Chlorophenol	ND		10	0.29
88-75-5	2-Nitrophenol	ND		10	0.28
91-94-1	3,3'-Dichlorobenzidine	ND		10	0.37
534-52-1	4,6-Dinitro-2-methylphenol	ND		50	2.4
101-55-3	4-Bromophenyl phenyl ether	ND		10	0.80
7005-72-3	4-Chlorophenyl phenyl ether	ND		10	0.30
100-02-7	4-Nitrophenol	ND		50	2.4
83-32-9	Acenaphthene	ND		10	0.10
208-96-8	Acenaphthylene	ND		10	0.10
120-12-7	Anthracene	ND		10	0.10
92-87-5	Benzidine	ND		100	2.4
56-55-3	Benzo[a]anthracene	ND		10	0.10
50-32-8	Benzo[a]pyrene	ND		10	0.10
205-99-2	Benzo[b]fluoranthene	ND		10	0.10
191-24-2	Benzo[g,h,i]perylene	ND		10	0.10
207-08-9	Benzo[k]fluoranthene	ND		10	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		10	0.32
111-44-4	Bis(2-chloroethyl)ether	ND		10	0.10
117-81-7	Bis(2-ethylhexyl) phthalate	ND		10	0.80
108-60-1	2,2'-oxybis[1-chloropropane]	ND		10	0.40
85-68-7	Butyl benzyl phthalate	ND		10	0.80
218-01-9	Chrysene	ND		10	0.10
53-70-3	Dibenz(a,h)anthracene	ND		10	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 460-52642-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-79226/2-A

Matrix: Water | Lab File ID: 30326022.D

Analysis Method: 625 | Date Collected:

Extract. Method: 625 | Date Extracted: 03/23/2013 11:09

Sample wt/vol: 1000(mL) | Date Analyzed: 03/26/2013 17:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 79448 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		10	0.60
131-11-3	Dimethyl phthalate	ND		10	0.29
84-74-2	Di-n-butyl phthalate	ND		10	0.67
117-84-0	Di-n-octyl phthalate	ND		10	0.80
206-44-0	Fluoranthene	ND		10	0.10
86-73-7	Fluorene	ND		10	0.10
118-74-1	Hexachlorobenzene	ND		10	0.10
87-68-3	Hexachlorobutadiene	ND		10	0.27
77-47-4	Hexachlorocyclopentadiene	ND		10	0.80
67-72-1	Hexachloroethane	ND		10	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	ND		10	0.10
78-59-1	Isophorone	ND		10	0.27
91-20-3	Naphthalene	ND		10	0.10
98-95-3	Nitrobenzene	ND		10	0.040
62-75-9	N-Nitrosodimethylamine	ND		10	0.31
621-64-7	N-Nitrosodi-n-propylamine	ND		10	0.80
86-30-6	N-Nitrosodiphenylamine	ND		10	0.31
59-50-7	4-Chloro-3-methylphenol	ND		10	0.80
87-86-5	Pentachlorophenol	ND		10	2.4
85-01-8	Phenanthrene	ND		10	0.10
108-95-2	Phenol	ND		10	0.60
129-00-0	Pyrene	ND		10	0.10
95-95-4	2,4,5-Trichlorophenol	ND		10	0.30
55-18-5	N-Nitrosodiethylamine	ND		10	0.76
608-93-5	Pentachlorobenzene	ND		10	0.71
930-55-2	N-Nitrosopyrrolidine	ND		10	0.74
122-66-7	1,2-Diphenylhydrazine	ND		10	0.29
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		10	0.55
924-16-3	N-Nitrosodi-n-butylamine	ND		10	0.81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 240-79226/2-A
Matrix: Water
Lab File ID: 30326022.D
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/23/2013 11:09
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 17:50
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 79448
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	52		10-135
118-79-6	2,4,6-Tribromophenol	73		10-142
4165-60-0	Nitrobenzene-d5	91		44-110
4165-62-2	Phenol-d5	34		10-132
1718-51-0	Terphenyl-d14	108		24-135
321-60-8	2-Fluorobiphenyl (Surr)	88		38-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326022.D		
Lims ID:	MB 240-79226/2-A	Client ID:	
Inject. Date:	26-Mar-2013 17:50:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0018258-022		
Misc. Info.:	MB 240-79226/2-A		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	79448	Lims Sample ID:	22
Detector:	MS SCAN		

Method:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\8270_hp7.m		
Last Update:	27-Mar-2013 12:57:18	Calib Date:	26-Mar-2013 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326020.D		
Limit Group:	MSS 625 ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK014		

First Level Reviewer: gruberj Date: 27-Mar-2013 08:26:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.915	5.915	0.0	96	217082	4.00	
* 2 Naphthalene-d8	136	7.043	7.043	0.0	100	852042	4.00	
* 3 Acenaphthene-d10	164	8.552	8.557	-0.005	92	488650	4.00	
* 4 Phenanthrene-d10	188	9.819	9.825	-0.006	98	808255	4.00	
* 5 Chrysene-d12	240	12.403	12.403	0.0	97	871777	4.00	
* 6 Perylene-d12	264	14.494	14.494	0.0	97	662347	4.00	
$ 7 2-Fluorophenol	112	4.631	4.631	0.0	92	673216	7.81	
$ 8 Phenol-d5	99	5.546	5.546	0.0	94	579089	5.08	
$ 9 Nitrobenzene-d5	82	6.407	6.407	0.0	88	689884	9.08	
$ 10 2-Fluorobiphenyl (Surr)	172	7.963	7.963	0.0	99	1347317	8.82	
$ 11 2,4,6-Tribromophenol	330	9.220	9.226	-0.006	91	236140	10.9	
$ 12 Terphenyl-d14	244	11.194	11.194	0.0	99	1568630	10.8	
244 n-Decane	57		0.000					
241 Tricresyl phosphate TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
246 Total Cresols	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
15 Catechol	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
247 1-Chloronaphthalene	162		0.000					
248 Hexadecane	57		0.000					
21 Octachlorostyrene	1		0.000					
22 3-Methylcatechol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
23 Octachlorocyclopentene	1		0.000					
20 2,5-Dichlorophenol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
245 n-Octadecane	57		0.000					
238 Trimethyl phosphate TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Dimethylformamide	73		2.056					
24 1,4-Dioxane	88		2.353					9
25 N-Nitrosodimethylamine	74		2.813					
26 Pyridine	79		2.866					
232 1-Methyl-2-pyrrilidinone	99	3.513	3.533	-0.020	0	286	0	
27 Ethyl methacrylate	69		3.561					
28 3-Chloropropionitrile	54		3.952					
30 2-Picoline	93		3.968					9
31 N-Nitrosomethylethylamine	88		4.112					
32 Malononitrile	66		4.310					
33 Acrylamide	71	4.299	4.312	-0.013	1	467	0	
34 Methyl methanesulfonate	80		4.460					
29 3-Picoline	93		4.519					
233 n,n'-Dimethylacetamide	44	4.551	4.546	0.005	0	593	0	
35 N-Nitrosodiethylamine	102		4.883					
36 Ethyl methanesulfonate	79		5.182					
37 2-Methylcyclohexanone	68	5.412	5.396	0.016	4	605	0	
38 3-Methylcyclohexanone	69	5.433	5.434	-0.001	1	239	0	
42 Phenylmercaptan	110		5.440					
39 4-Methylcyclohexanone	55	5.482	5.482	0.0	29	5492	0	
40 Benzaldehyde	77	5.508	5.508	0.0	50	1572	0	
41 Phenol	94		5.562					9
43 Aniline	93		5.605					9
45 Pentachloroethane	167		5.658					
44 Bis(2-chloroethyl)ether	93		5.663					9
46 2-Chlorophenol	128		5.717					9
47 1,3-Dichlorobenzene	146		5.861					
48 1,4-Dichlorobenzene	146		5.931					
49 Benzyl alcohol	108		6.027					9
53 Indene	115		6.034					9
50 1,2-Dichlorobenzene	146		6.070					
51 2-Methylphenol	108		6.118					9
52 2,2'-oxybis[1-chloropropane]	45		6.150					9
55 N-Nitrosopyrrolidine	100		6.247					
191 3 & 4 Methylphenol	108		6.252					
56 N-Nitrosodi-n-propylamine	70		6.268					9
57 Acetophenone	105	6.273	6.268	0.005	85	4679	0	
58 N-Nitrosomorpholine	56		6.279					
59 2-Toluidine	106		6.300					
60 Hexachloroethane	117		6.375					
61 Nitrobenzene	77		6.423					
62 N-Nitrosopiperidine	114		6.557					
63 Isophorone	82		6.632					9
65 2-Nitrophenol	139		6.706					
66 1,3,5-Trichlorobenzene	180		6.717					
64 2,4-Dimethylphenol	107		6.722					
69 Benzoic acid	122		6.792					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
67 o,o',o''-Triethylphosphorothioat	198		6.781					
68 Bis(2-chloroethoxy)methane	93		6.813					
71 2,4-Dichlorophenol	162		6.910					
70 alpha,alpha-Dimethyl phenethylam	58		6.942					9
72 1,2,4-Trichlorobenzene	180		6.990					
73 Naphthalene	128		7.065					9
74 4-Chloroaniline	127		7.097					
75 2,6-Dichlorophenol	162		7.108					
76 Hexachloropropene	213		7.140					9
79 Benzothiazole	135		7.163					
77 Hexachlorobutadiene	225		7.166					
78 1,2,3-Trichlorobenzene	180		7.188					
80 Quinoline	129		7.227					
81 N-Nitrosodi-n-butylamine	84		7.375					
83 Caprolactam	113		7.386					9
82 p-Phenylene diamine	108		7.397					
84 4-Chloro-3-methylphenol	107		7.498					
93 Safrole, Total	162		7.573					
85 2-Methylnaphthalene	142		7.658					9
86 1-Methylnaphthalene	142		7.744					9
88 Hexachlorocyclopentadiene	237		7.792					
87 1,2,3,5-Tetrachlorobenzene	216		7.787					
89 1,2,4,5-Tetrachlorobenzene	216		7.798					
225 Isosafrole Peak 1	162	7.803	7.819	-0.016	1	73	0	
90 2,4,6-Trichlorophenol	196		7.888					
91 2,4,5-Trichlorophenol	196		7.921					
97 3,4-Dichloronitrobenzene	109		7.949					9
99 Phenyl ether	170		8.008					9
227 Isosafrole Peak 2	162	8.081	8.012	0.069	1	716	0	
94 2,4-Toluene diamine	121		8.033					9
96 1,2,3,4 -Tetrachlorobenzene	216		8.044					9
95 1,1'-Biphenyl	154		8.054					9
98 2-Chloronaphthalene	162		8.081					9
100 2-Nitroaniline	65		8.151					
101 1,4-Naphthoquinone	158		8.220					
102 1,4-Dinitrobenzene	168		8.263					
103 Dimethyl phthalate	163		8.295					
104 1,3-Dinitrobenzene	168		8.327					
105 2,6-Dinitrotoluene	165		8.354					
106 1,2-Dinitrobenzene	168		8.402					
107 Acenaphthylene	152		8.434					
108 3-Nitroaniline	138		8.498					
110 Acenaphthene	153		8.584					
109 2,4-Dinitrophenol	184		8.589					
111 4-Nitrophenol	109		8.611					9
113 Pentachlorobenzene	250		8.691					
112 2,4-Dinitrotoluene	165		8.696					
114 Dibenzofuran	168		8.728					
115 2,3,5,6-Tetrachlorophenol	232		8.787					9
116 1-Naphthylamine	143		8.787					9
117 2,3,4,6-Tetrachlorophenol	232		8.819					9
118 2-Naphthylamine	143		8.857					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
119 Diethyl phthalate	149		8.894					
120 Thionazin	97		8.964					9
121 4-Chlorophenyl phenyl ether	204		9.006					
122 N-Nitro-o-toluidine	152		9.012					9
123 4-Nitroaniline	138		9.017					
124 Fluorene	166		9.022					
126 4,6-Dinitro-2-methylphenol	198		9.044					
125 Tributyl phosphate	99		9.060					
128 Diphenylamine	169		9.103					
130 N-Nitrosodiphenylamine	169		9.103					
131 Azobenzene	77		9.145					
129 1,2-Diphenylhydrazine	77		9.145					
132 Sulfotepp	202		9.215					
133 1,3,5-Trinitrobenzene	213		9.295					
135 Phenacetin	108		9.343					
228 Diallate Peak 1	86	9.300	9.343	-0.043	1	720	0	
136 Phorate	121		9.354					9
230 Diallate Peak 2	86		9.418					1
137 4-Bromophenyl phenyl ether	248		9.429					
138 Dimethoate	87		9.493					
139 Hexachlorobenzene	284		9.488					
140 Atrazine	200		9.541					
127 4-Aminobiphenyl	169		9.643					9
141 Pentachlorophenol	266		9.648					
143 Pentachloronitrobenzene	237		9.659					
142 Pronamide	173		9.675					
145 Dinoseb	211		9.787					
144 Disulfoton	88		9.793					
146 Phenanthrene	178		9.841					9
147 Anthracene	178		9.889					9
149 Carbazole	167		10.012					9
150 Methyl parathion	109		10.114					9
152 Diphenylsulfone	125		10.126					
151 Di-n-butyl phthalate	149	10.274	10.279	-0.005	84	31370	0.1355	
153 Ethyl Parathion	97		10.440					9
154 4-Nitroquinoline-1-oxide	190		10.488					
155 Methapyrilene	58		10.536					9
156 Isodrin	66		10.729					
157 Fluoranthene	202		10.857					9
158 Benzidine	184		10.959					
160 Pyrene	202		11.071					9
164 4,4'-DDE	246		11.135					9
226 Aramite Peak 1	185	11.151	11.151	0.0	1	276	0	
229 Aramite Peak 2	185	11.221	11.221	0.0	1	516	0	
161 p-Dimethylamino azobenzene	225		11.328					
162 Chlorobenzilate	139		11.365					
163 4,4'-DDD	235		11.477					9
165 Famphur	218		11.627					
167 3,3'-Dimethylbenzidine	212		11.681					
166 Butyl benzyl phthalate	149		11.686					
168 4,4'-DDT	235		11.809					9
169 2-Acetylaminofluorene	181		11.970					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
174 Hexabromobenzene	232		12.164					
170 3,3'-Dimethoxybenzidine	244		12.296					
172 4,4'-Methylene bis(2-chloroanili	231		12.339					9
173 3,3'-Dichlorobenzidine	252		12.339					
171 Bis(2-ethylhexyl) phthalate	149	12.371	12.376	-0.005	94	30644	0.2600	
175 Benzo[a]anthracene	228		12.392					9
176 Chrysene	228		12.440					9
177 6-Methylchrysene	242		12.752					
178 Di-n-octyl phthalate	149		13.296					9
179 7,12-Dimethylbenz(a)anthracene	256		13.895					
180 Benzo[b]fluoranthene	252		13.911					
181 Benzo[k]fluoranthene	252		13.954					
182 Benzo[a]pyrene	252		14.414					
183 3-Methylcholanthrene	268		14.949					9
184 Dibenz[a,j]acridine	279		15.400					9
185 Dibenz[a,h]acridine	279		15.474					
186 Indeno[1,2,3-cd]pyrene	276		16.168					
187 Dibenz(a,h)anthracene	278		16.200					
188 Benzo[g,h,i]perylene	276		16.623					
S 189 Methyl Phenols,Total	100		0.000					7
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 193 Hydroquinone TIC	110		0.000					1
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	2.898	3.050	-0.152	1	170	0	
T 194 Octadecane (TIC)	254	6.525	6.300	0.225	1	82	0	
T 231 2,3,7,8-TCDD	322		8.700					1
T 197 Hexachlorophene TIC	198		9.000					1
T 237 Tris(2,3-dibromopropyl)phosphate	201		10.600					
T 196 Kepone TIC	272		12.250					1

QC Flag Legend

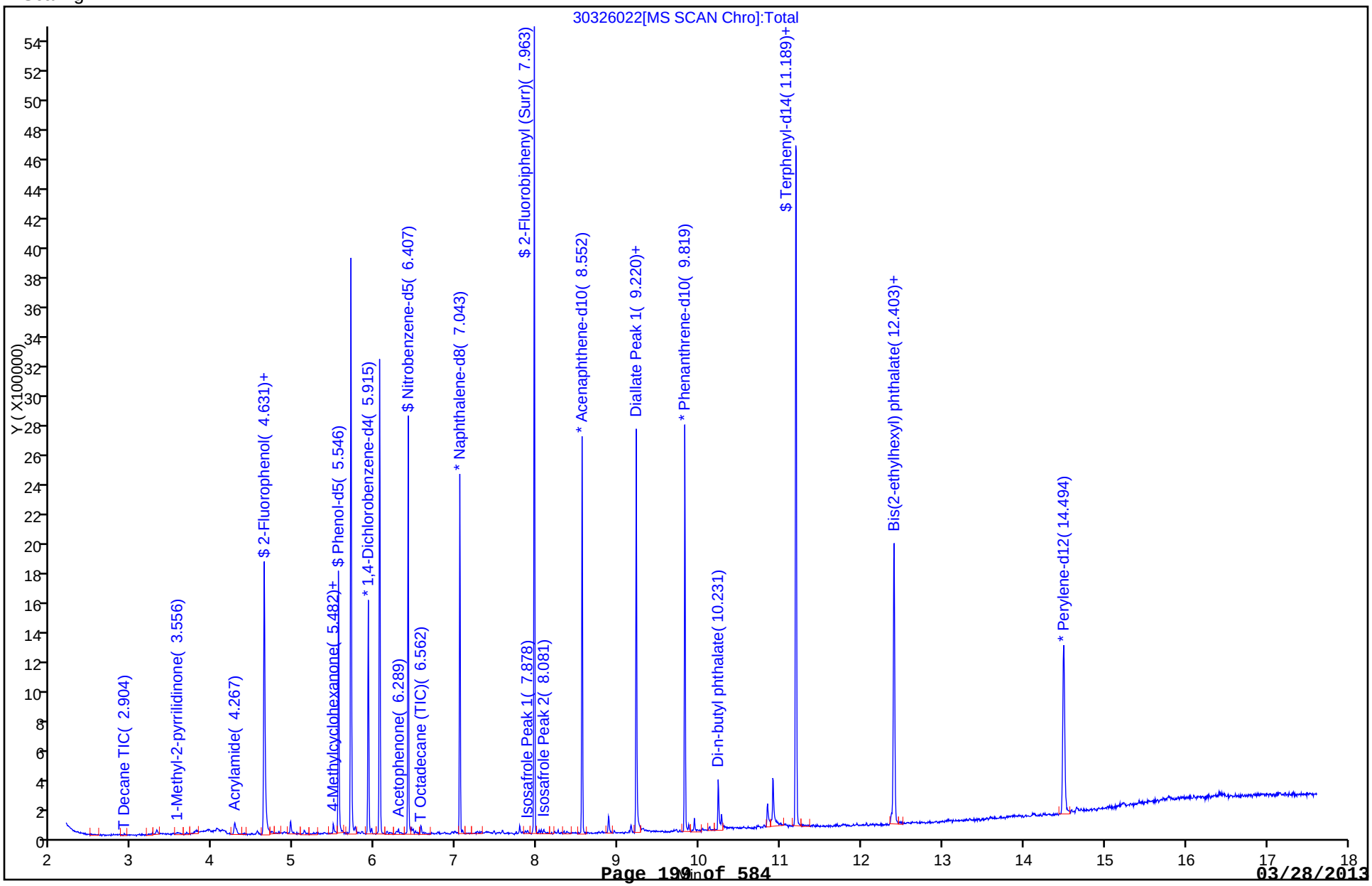
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 27-Mar-2013 12:57:24 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326022.D		
Injection Date:	26-Mar-2013 17:50:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-152013/2-A
Matrix: Water
Lab File ID: m63167.d
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/21/2013 07:15
Sample wt/vol: 1000(mL)
Date Analyzed: 03/21/2013 11:27
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 152058
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	ND		1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	44		10-65
4165-62-2	Phenol-d5	28		10-48
4165-60-0	Nitrobenzene-d5	88		56-112
321-60-8	2-Fluorobiphenyl	88		53-108
118-79-6	2,4,6-Tribromophenol	87		46-122
1718-51-0	Terphenyl-d14	100		50-122

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63167.d
Report Date: 21-Mar-2013 12:20

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63167.d
Lab Smp Id: LCS 460-152013/2-A
Inj Date : 21-MAR-2013 11:27
Operator : BNAMS 1 Inst ID: BNAMS6.i
Smp Info : LCS 460-152013/2-A
Misc Info : LCS 460-152013/2-A
Comment :
Method : /chem/BNAMS6.i/625/03-20-13/20mar13.b/625BNA_11.m
Meth Date : 21-Mar-2013 07:53 croccom Quant Type: ISTD
Cal Date : 20-MAR-2013 22:50 Cal File: m63147.d
Als bottle: 25 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
107 1,4-Dioxane	88	1.815	1.829	(0.401)	169483	25.8299	51.6
19 N-Nitrosodimethylamine	74	2.047	2.053	(0.452)	329903	27.2838	54.6
71 Pyridine	79	2.085	2.098	(0.461)	379430	20.0428	40.1
$ 16 2-Fluorophenol (SUR)	112	3.234	3.234	(0.715)	320076	21.8376	43.7
110 Benzaldehyde	77	4.085	4.078	(0.903)	537828	85.0222	170(R)
$ 17 Phenol-d5 (SUR)	99	4.151	4.138	(0.917)	213867	14.2375	28.5
73 Aniline	93	4.189	4.183	(0.926)	655330	38.5855	77.2
1 Phenol	94	4.159	4.153	(0.919)	254848	15.7847	31.6
20 bis(2-Chloroethyl)ether	93	4.249	4.242	(0.939)	624981	40.2467	80.5
2 2-Chlorophenol	128	4.316	4.310	(0.954)	467038	46.1449	92.3
114 n-Decane	43	4.369	4.370	(0.965)	679824	42.4421	84.9
21 1,3-Dichlorobenzene	146	4.473	4.466	(0.988)	495320	44.5894	89.2
* 79 1,4-Dichlorobenzene-d4	152	4.525	4.526	(1.000)	298591	40.0000	
22 1,4-Dichlorobenzene	146	4.540	4.541	(1.003)	489216	45.8700	91.7
74 Benzyl Alcohol	108	4.660	4.653	(1.030)	312639	36.3124	72.6

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63167.d
Report Date: 21-Mar-2013 12:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	23 1,2-Dichlorobenzene	146	4.698	4.690	(1.038)	474223	45.9492	91.9
	24 bis (2-chloroisopropyl) ether	45	4.795	4.795	(1.060)	1155650	51.2494	102
	3 2-Methylphenol	108	4.773	4.765	(1.055)	426895	37.6007	75.2
	104 Acetophenone	105	4.929	4.921	(1.089)	741090	49.5875	99.2
	25 N-Nitroso-di-n-propylamine	70	4.937	4.921	(1.091)	519468	50.2041	100
	4 4-Methylphenol	108	4.937	4.914	(1.091)	360426	29.5446	59.1
	26 Hexachloroethane	117	5.034	5.032	(1.112)	293135	46.0625	92.1
$	76 Nitrobenzene-d5 (SUR)	82	5.087	5.070	(0.875)	733282	43.9988	88.0
	27 Nitrobenzene	77	5.109	5.091	(0.879)	965991	44.6202	89.2
	106 N,N-Dimethylaniline	120	5.109	5.099	(1.129)	698836	45.2071	90.4
	28 Isophorone	82	5.349	5.335	(0.920)	1219147	40.4152	80.8
	5 2-Nitrophenol	139	5.424	5.418	(0.933)	255557	44.3168	88.6
	6 2,4-Dimethylphenol	122	5.468	5.455	(0.941)	401206	42.5679	85.1
	29 bis(2-Chloroethoxy)methane	93	5.558	5.552	(0.956)	679019	44.8538	89.7
	15 Benzoic Acid	122	5.543	5.529	(0.954)	42677	7.47497	14.9(M)
	7 2,4-Dichlorophenol	162	5.670	5.656	(0.975)	352947	44.1353	88.3
	30 1,2,4-Trichlorobenzene	180	5.753	5.745	(0.990)	378364	42.7854	85.6
*	80 Naphthalene-d8	136	5.813	5.805	(1.000)	967749	40.0000	
	31 Naphthalene	128	5.828	5.827	(1.003)	1117954	42.9243	85.8(M)
	32 4-Chloroaniline	127	5.881	5.871	(1.012)	451229	42.7845	85.6
	33 Hexachlorobutadiene	225	5.963	5.961	(1.026)	218321	42.0839	84.2
	111 Caprolactum	113	6.246	6.199	(1.075)	35160	10.8485	21.7
	8 4-Chloro-3-methylphenol	107	6.373	6.363	(1.096)	430268	41.5041	83.0
	34 2-Methylnaphthalene	142	6.523	6.520	(1.122)	696457	44.1009	88.2
	119 1-Methylnaphthalene	142	6.620	6.616	(1.139)	648240	41.1431	82.3
	35 Hexachlorocyclopentadiene	237	6.696	6.691	(0.885)	170177	37.1789	74.4
	128 1,2,4,5-Tetrachlorobenzene	216	6.696	6.691	(0.885)	300265	41.0056	82.0
	9 2,4,6-Trichlorophenol	196	6.808	6.803	(0.900)	216645	47.9177	95.8
	10 2,4,5-Trichlorophenol	196	6.846	6.833	(0.905)	216153	48.6768	97.4
$	77 2-Fluorobiphenyl (SUR)	172	6.891	6.885	(0.911)	669676	43.9942	88.0
	102 Diphenyl	154	6.996	6.982	(0.925)	824044	45.0132	90.0
	36 2-Chloronaphthalene	162	7.011	7.005	(0.927)	674608	46.7511	93.5
	103 Diphenyl Ether	170	7.093	7.087	(0.938)	441860	46.3628	92.7
	37 2-Nitroaniline	65	7.115	7.102	(0.941)	375723	49.6455	99.3
	38 Dimethylphthalate	163	7.300	7.282	(0.965)	767499	48.4387	96.9
	40 2,6-Dinitrotoluene	165	7.353	7.342	(0.972)	180942	48.0640	96.1
	39 Acenaphthylene	152	7.421	7.417	(0.981)	962805	44.6645	89.3
	41 3-Nitroaniline	138	7.518	7.506	(0.994)	190764	49.0106	98.0
*	82 Acenaphthene-d10	164	7.563	7.559	(1.000)	496040	40.0000	
	42 Acenaphthene	154	7.601	7.589	(1.005)	659221	47.0113	94.0
	11 2,4-Dinitrophenol	184	7.614	7.604	(1.007)	89692	48.2700	96.5
	12 4-Nitrophenol	65	7.682	7.672	(1.016)	53285	13.0494	26.1
	43 Dibenzofuran	168	7.764	7.762	(1.027)	830426	45.6152	91.2
	44 2,4-Dinitrotoluene	165	7.749	7.739	(1.025)	233829	47.6968	95.4
	129 2,3,4,6-Tetrachlorophenol	232	7.892	7.881	(1.043)	153310	44.2702	88.5
	45 Diethylphthalate	149	7.990	7.984	(1.056)	772861	47.2046	94.4
	47 Fluorene	166	8.108	8.097	(1.072)	708619	47.7890	95.6

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63167.d
Report Date: 21-Mar-2013 12:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	46 4-Chlorophenyl-phenylether	204	8.101	8.097	(1.071)	303170	48.4006	96.8
	48 4-Nitroaniline	138	8.131	8.112	(1.075)	180523	47.3673	94.7
	13 4,6-Dinitro-2-methylphenol	198	8.161	8.142	(0.904)	117892	53.8338	108
	49 N-Nitrosodiphenylamine	169	8.221	8.209	(0.911)	463949	53.4618	107
	75 1,2-Diphenylhydrazine	77	8.259	8.247	(0.915)	1061578	42.5356	85.1
$	18 2,4,6-Tribromophenol (SUR)	330	8.348	8.336	(1.104)	99053	43.3674	86.7
	50 4-Bromophenyl-phenylether	248	8.586	8.573	(0.951)	159172	47.9875	96.0
	51 Hexachlorobenzene	284	8.662	8.648	(0.960)	167456	49.5963	99.2
	112 Atrazine	200	8.743	8.730	(0.969)	121126	44.4255	88.8
	14 Pentachlorophenol	266	8.848	8.842	(0.980)	105175	46.3639	92.7
	115 n-Octadecane	57	8.922	8.917	(0.988)	624268	50.9514	102
*	83 Phenanthrene-d10	188	9.026	9.029	(1.000)	542623	40.0000	
	52 Phenanthrene	178	9.054	9.044	(1.003)	819097	51.2459	102
	53 Anthracene	178	9.100	9.097	(1.008)	770651	47.1950	94.4
	54 Carbazole	167	9.256	9.245	(1.026)	731723	50.7425	101
	55 Di-n-butylphthalate	149	9.591	9.587	(1.063)	1087309	48.0391	96.1
	56 Fluoranthene	202	10.224	10.214	(1.133)	669280	50.0896	100
	58 Benzidine	184	10.344	10.340	(1.146)	64479	26.6184	53.2
	57 Pyrene	202	10.455	10.444	(0.883)	669072	48.9862	98.0
$	78 Terphenyl-d14	244	10.605	10.599	(0.896)	447494	49.9931	100
	59 Butylbenzylphthalate	149	11.141	11.134	(0.941)	429156	49.1409	98.3
	60 3,3'-Dichlorobenzidine	252	11.784	11.774	(0.996)	150657	48.0914	96.2
	61 Benzo(a)anthracene	228	11.821	11.804	(0.999)	496624	44.4680	88.9
*	81 Chrysene-d12	240	11.835	11.826	(1.000)	371349	40.0000	
	62 Chrysene	228	11.865	11.849	(1.002)	464440	47.2961	94.6
	63 bis(2-Ethylhexyl)phthalate	149	11.850	11.842	(1.001)	534908	48.1967	96.4
	64 Di-n-octylphthalate	149	12.722	12.713	(0.923)	863629	51.1992	102
	65 Benzo(b)fluoranthene	252	13.248	13.233	(0.961)	380167	43.7331	87.5
	66 Benzo(k)fluoranthene	252	13.293	13.270	(0.964)	402628	46.7483	93.5
	67 Benzo(a)pyrene	252	13.703	13.686	(0.994)	316684	45.9988	92.0
*	84 Perylene-d12	264	13.786	13.782	(1.000)	280836	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.363	15.336	(1.114)	320537	42.8647	85.7(M)
	69 Dibenz(a,h)anthracene	278	15.399	15.373	(1.117)	327436	47.5762	95.2
	70 Benzo(g,h,i)perylene	276	15.815	15.773	(1.147)	336519	45.1863	90.4

QC Flag Legend

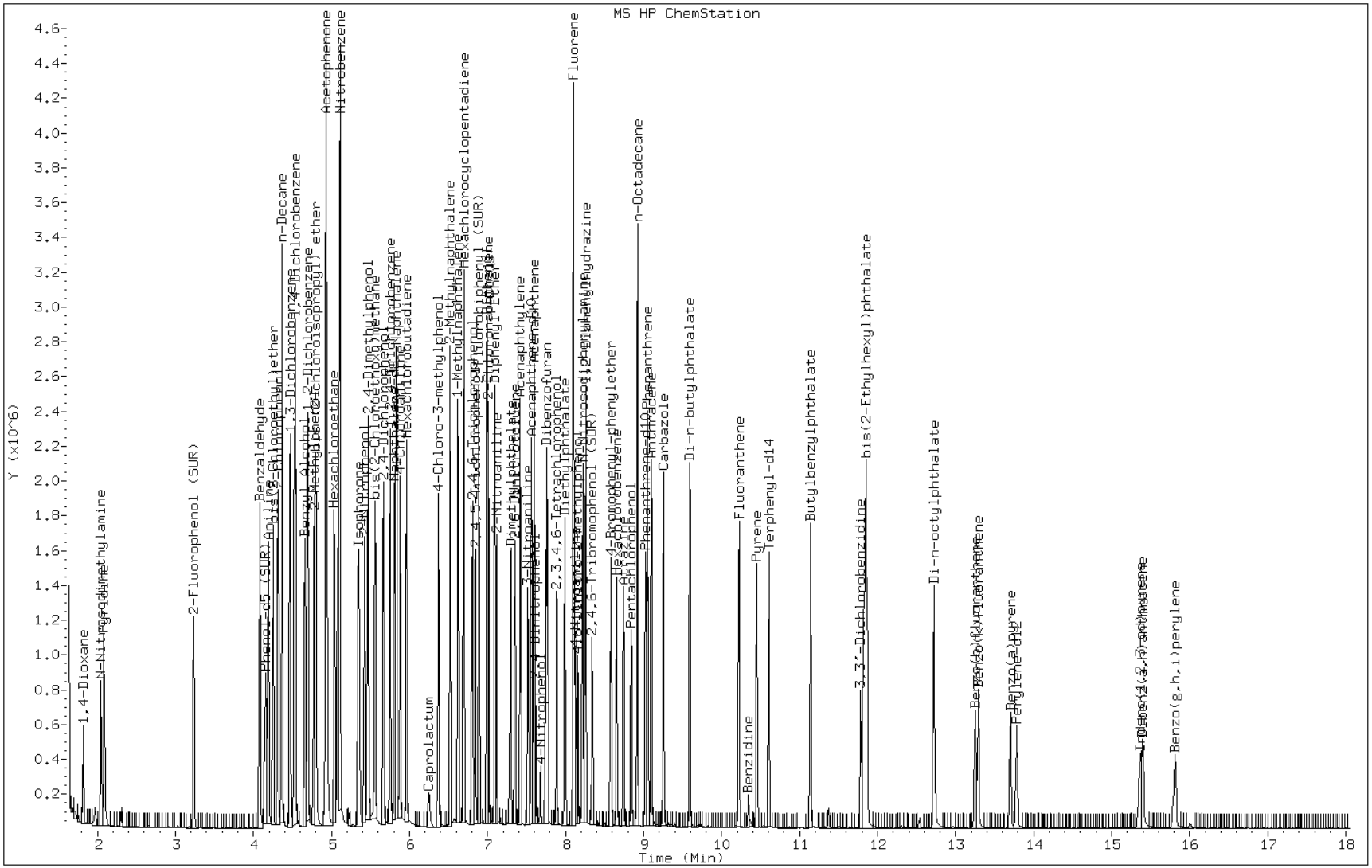
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: m63167.d

Date: 21-MAR-2013 11:27

Client ID: Instrument: BNAMS6.i

Sample Info: LCS 460-152013/2-A Operator: BNAMS 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 460-152013/3-A
Matrix: Water
Lab File ID: m63164.d
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/21/2013 07:15
Sample wt/vol: 1000(mL)
Date Analyzed: 03/21/2013 08:00
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 152058
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	ND		1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	44		10-65
4165-62-2	Phenol-d5	29		10-48
4165-60-0	Nitrobenzene-d5	94		56-112
321-60-8	2-Fluorobiphenyl	89		53-108
118-79-6	2,4,6-Tribromophenol	92		46-122
1718-51-0	Terphenyl-d14	89		50-122

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63164.d
Report Date: 21-Mar-2013 11:38

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63164.d
Lab Smp Id: LCSD 460-152013/3-A
Inj Date : 21-MAR-2013 08:00
Operator : BNAMS 1 Inst ID: BNAMS6.i
Smp Info : LCSD 460-152013/3-A
Misc Info : LCSD 460-152013/3-A
Comment :
Method : /chem/BNAMS6.i/625/03-20-13/20mar13.b/625BNA_11.m
Meth Date : 21-Mar-2013 07:53 croccom Quant Type: ISTD
Cal Date : 20-MAR-2013 22:50 Cal File: m63147.d
Als bottle: 22 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
107 1,4-Dioxane	88	1.822	1.829	(0.403)	170747	24.4035	48.8
19 N-Nitrosodimethylamine	74	2.053	2.053	(0.454)	324482	25.1659	50.3
71 Pyridine	79	2.090	2.098	(0.462)	404997	20.0624	40.1
$ 16 2-Fluorophenol (SUR)	112	3.235	3.234	(0.715)	344010	22.0104	44.0
110 Benzaldehyde	77	4.082	4.078	(0.902)	555490	82.3510	165(R)
$ 17 Phenol-d5 (SUR)	99	4.149	4.138	(0.917)	231941	14.4800	29.0
73 Aniline	93	4.194	4.183	(0.927)	643061	35.5075	71.0
1 Phenol	94	4.164	4.153	(0.921)	258638	15.0228	30.0
20 bis(2-Chloroethyl)ether	93	4.254	4.242	(0.941)	660922	39.9133	79.8
127 Benzonitrile	103	4.089	4.265	(0.904)	406	0.01668	0.0334(a)
2 2-Chlorophenol	128	4.314	4.310	(0.954)	480882	44.5567	89.1
114 n-Decane	43	4.374	4.370	(0.967)	696607	40.7842	81.6
21 1,3-Dichlorobenzene	146	4.470	4.466	(0.988)	515861	43.5494	87.1
* 79 1,4-Dichlorobenzene-d4	152	4.523	4.526	(1.000)	318400	40.0000	
22 1,4-Dichlorobenzene	146	4.546	4.541	(1.005)	520660	45.7810	91.6

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63164.d
Report Date: 21-Mar-2013 11:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	74 Benzyl Alcohol	108	4.664	4.653	(1.031)	335766	36.5723	73.1
	23 1,2-Dichlorobenzene	146	4.694	4.690	(1.038)	511203	46.4507	92.9
	24 bis (2-chloroisopropyl) ether	45	4.798	4.795	(1.061)	1176898	48.9446	97.9
	3 2-Methylphenol	108	4.777	4.765	(1.056)	458790	37.8959	75.8
	104 Acetophenone	105	4.933	4.921	(1.091)	758910	47.6206	95.2
	25 N-Nitroso-di-n-propylamine	70	4.941	4.921	(1.092)	520151	47.1426	94.3
	4 4-Methylphenol	108	4.941	4.914	(1.092)	390544	30.0217	60.0
	26 Hexachloroethane	117	5.038	5.032	(1.114)	303062	44.6597	89.3
$	76 Nitrobenzene-d5 (SUR)	82	5.084	5.070	(0.875)	759797	46.8282	93.6
	27 Nitrobenzene	77	5.106	5.091	(0.879)	952119	45.1740	90.3
	106 N,N-Dimethylaniline	120	5.114	5.099	(1.131)	739142	44.8397	89.7
	28 Isophorone	82	5.346	5.335	(0.920)	1321316	44.9920	90.0
	5 2-Nitrophenol	139	5.426	5.418	(0.934)	273888	48.7858	97.6
	6 2,4-Dimethylphenol	122	5.471	5.455	(0.942)	416197	45.3579	90.7
	29 bis(2-Chloroethoxy)methane	93	5.562	5.552	(0.958)	694399	47.1158	94.2
	15 Benzoic Acid	122	5.547	5.529	(0.955)	51580	9.27978	18.6(M)
	7 2,4-Dichlorophenol	162	5.673	5.656	(0.977)	386129	49.5963	99.2
	30 1,2,4-Trichlorobenzene	180	5.756	5.745	(0.991)	410513	47.6817	95.4
*	80 Naphthalene-d8	136	5.808	5.805	(1.000)	942157	40.0000	
	31 Naphthalene	128	5.831	5.827	(1.004)	1218007	48.0362	96.1(M)
	32 4-Chloroaniline	127	5.884	5.871	(1.013)	469054	45.6827	91.4
	33 Hexachlorobutadiene	225	5.966	5.961	(1.027)	231855	45.9068	91.8
	111 Caprolactum	113	6.256	6.199	(1.077)	37257	11.8077	23.6
	8 4-Chloro-3-methylphenol	107	6.376	6.363	(1.098)	467374	46.3080	92.6
	34 2-Methylnaphthalene	142	6.526	6.520	(1.124)	727567	47.3223	94.6
	119 1-Methylnaphthalene	142	6.623	6.616	(1.140)	646787	42.1660	84.3
	35 Hexachlorocyclopentadiene	237	6.691	6.691	(0.885)	191254	40.1769	80.4
	128 1,2,4,5-Tetrachlorobenzene	216	6.698	6.691	(0.886)	318208	41.7849	83.6
	9 2,4,6-Trichlorophenol	196	6.811	6.803	(0.901)	233021	49.5578	99.1
	10 2,4,5-Trichlorophenol	196	6.841	6.833	(0.905)	230441	49.8988	99.8
$	77 2-Fluorobiphenyl (SUR)	172	6.894	6.885	(0.912)	703135	44.4160	88.8
	102 Diphenyl	154	6.992	6.982	(0.925)	902225	47.3886	94.8
	36 2-Chloronaphthalene	162	7.015	7.005	(0.928)	720414	48.0056	96.0
	103 Diphenyl Ether	170	7.097	7.087	(0.939)	462007	46.6126	93.2
	37 2-Nitroaniline	65	7.113	7.102	(0.941)	365297	46.4118	92.8
	38 Dimethylphthalate	163	7.300	7.282	(0.965)	805535	48.8842	97.8
	40 2,6-Dinitrotoluene	165	7.353	7.342	(0.972)	198026	50.5793	101
	39 Acenaphthylene	152	7.419	7.417	(0.981)	1048440	46.7668	93.5
	41 3-Nitroaniline	138	7.525	7.506	(0.995)	205660	50.8058	102
*	82 Acenaphthene-d10	164	7.562	7.559	(1.000)	515878	40.0000	
	42 Acenaphthene	154	7.598	7.589	(1.005)	720872	49.4309	98.9
	11 2,4-Dinitrophenol	184	7.621	7.604	(1.008)	95455	49.3960	98.8
	12 4-Nitrophenol	65	7.681	7.672	(1.016)	58262	13.7195	27.4
	43 Dibenzofuran	168	7.770	7.762	(1.028)	899629	47.5162	95.0
	44 2,4-Dinitrotoluene	165	7.748	7.739	(1.024)	245323	48.1170	96.2
	129 2,3,4,6-Tetrachlorophenol	232	7.891	7.881	(1.043)	167850	46.6049	93.2
	45 Diethylphthalate	149	7.996	7.984	(1.057)	790988	46.4539	92.9

Data File: /chem/BNAMS6.i/625/03-20-13/20mar13.b/m63164.d
Report Date: 21-Mar-2013 11:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	47 Fluorene	166	8.107	8.097	(1.072)	698148	45.2723	90.5
	46 4-Chlorophenyl-phenylether	204	8.100	8.097	(1.071)	298432	45.8120	91.6
	48 4-Nitroaniline	138	8.130	8.112	(1.075)	191385	48.2863	96.6
	13 4,6-Dinitro-2-methylphenol	198	8.160	8.142	(0.904)	124118	53.7068	107
	49 N-Nitrosodiphenylamine	169	8.221	8.209	(0.910)	490617	53.5722	107
	75 1,2-Diphenylhydrazine	77	8.258	8.247	(0.915)	1091529	41.4438	82.9
$	18 2,4,6-Tribromophenol (SUR)	330	8.341	8.336	(1.103)	109107	45.9323	91.9
	50 4-Bromophenyl-phenylether	248	8.580	8.573	(0.950)	162506	46.4254	92.8
	51 Hexachlorobenzene	284	8.655	8.648	(0.958)	173303	48.6384	97.3
	112 Atrazine	200	8.745	8.730	(0.968)	120239	41.7892	83.6
	14 Pentachlorophenol	266	8.842	8.842	(0.979)	106914	44.6607	89.3
	115 n-Octadecane	57	8.917	8.917	(0.988)	604626	46.7623	93.5
*	83 Phenanthrene-d10	188	9.030	9.029	(1.000)	572630	40.0000	
	52 Phenanthrene	178	9.052	9.044	(1.002)	856396	50.7718	102
	53 Anthracene	178	9.104	9.097	(1.008)	836012	48.5149	97.0
	54 Carbazole	167	9.254	9.245	(1.025)	742686	48.8039	97.6
	55 Di-n-butylphthalate	149	9.590	9.587	(1.062)	1163325	48.7043	97.4
	56 Fluoranthene	202	10.216	10.214	(1.131)	667298	47.3242	94.6
	58 Benzidine	184	10.342	10.340	(1.145)	65734	25.7145	51.4
	57 Pyrene	202	10.453	10.444	(0.883)	660805	47.7380	95.5
$	78 Terphenyl-d14	244	10.603	10.599	(0.896)	403066	44.4313	88.9
	59 Butylbenzylphthalate	149	11.137	11.134	(0.941)	427731	48.3269	96.6
	60 3,3'-Dichlorobenzidine	252	11.781	11.774	(0.996)	167969	52.9051	106
	61 Benzo(a)anthracene	228	11.811	11.804	(0.998)	522318	46.1472	92.3
*	81 Chrysene-d12	240	11.833	11.826	(1.000)	376350	40.0000	
	62 Chrysene	228	11.864	11.849	(1.003)	469897	47.2159	94.4
	63 bis(2-Ethylhexyl)phthalate	149	11.849	11.842	(1.001)	548167	48.7350	97.5
	64 Di-n-octylphthalate	149	12.721	12.713	(0.923)	852638	48.1781	96.4
	65 Benzo(b)fluoranthene	252	13.251	13.233	(0.962)	411931	45.1657	90.3
	66 Benzo(k)fluoranthene	252	13.251	13.270	(0.962)	411931	45.5864	91.2
	67 Benzo(a)pyrene	252	13.699	13.686	(0.994)	371289	51.4022	103
*	84 Perylene-d12	264	13.782	13.782	(1.000)	294648	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.358	15.336	(1.114)	348841	44.4628	88.9
	69 Dibenz(a,h)anthracene	278	15.396	15.373	(1.117)	338872	46.9298	93.8
	70 Benzo(g,h,i)perylene	276	15.815	15.773	(1.148)	347008	44.4106	88.8

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: m63164.d

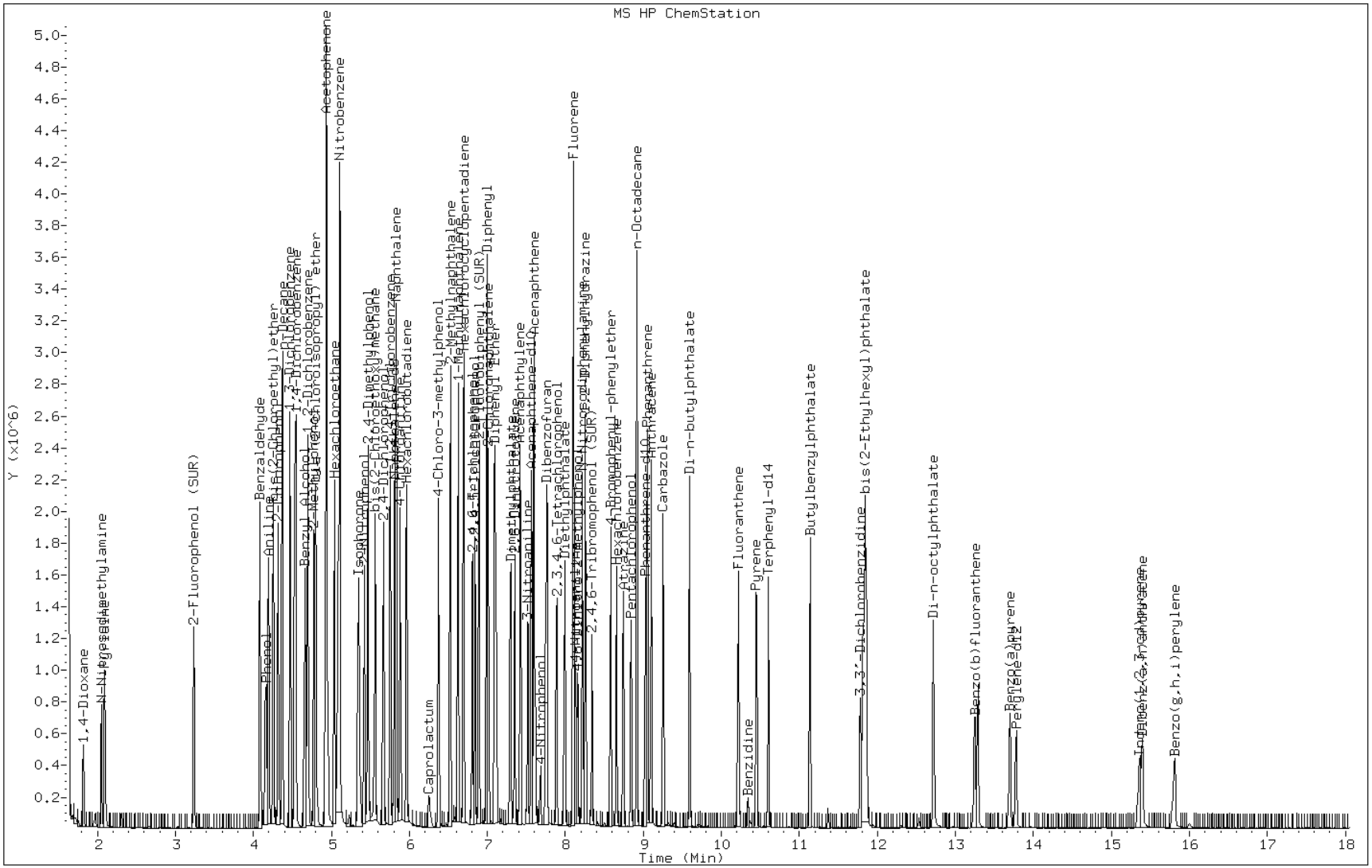
Date: 21-MAR-2013 08:00

Client ID:

Instrument: BNAMS6.i

Sample Info: LCSD 460-152013/3-A

Operator: BNAMS 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 240-79226/3-A
Matrix: Water
Lab File ID: 30326023.D
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/23/2013 11:09
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 18:14
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 79448
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	14.1		10	0.28
95-50-1	1,2-Dichlorobenzene	14.9		10	0.29
541-73-1	1,3-Dichlorobenzene	14.6		10	0.80
106-46-7	1,4-Dichlorobenzene	12.2		10	0.34
88-06-2	2,4,6-Trichlorophenol	12.5		10	0.80
120-83-2	2,4-Dichlorophenol	12.4		10	0.80
105-67-9	2,4-Dimethylphenol	10.3		10	0.80
51-28-5	2,4-Dinitrophenol	8.02	J	50	2.4
121-14-2	2,4-Dinitrotoluene	18.1		10	0.27
606-20-2	2,6-Dinitrotoluene	17.7		10	0.80
91-58-7	2-Chloronaphthalene	14.4		10	0.10
95-57-8	2-Chlorophenol	12.3		10	0.29
88-75-5	2-Nitrophenol	13.3		10	0.28
91-94-1	3,3'-Dichlorobenzidine	10.1		10	0.37
534-52-1	4,6-Dinitro-2-methylphenol	10.8	J	50	2.4
101-55-3	4-Bromophenyl phenyl ether	15.3		10	0.80
7005-72-3	4-Chlorophenyl phenyl ether	15.2		10	0.30
100-02-7	4-Nitrophenol	4.91	J	50	2.4
83-32-9	Acenaphthene	15.6		10	0.10
208-96-8	Acenaphthylene	16.2		10	0.10
120-12-7	Anthracene	17.4		10	0.10
56-55-3	Benzo[a]anthracene	16.4		10	0.10
50-32-8	Benzo[a]pyrene	16.6		10	0.10
205-99-2	Benzo[b]fluoranthene	16.1		10	0.10
191-24-2	Benzo[g,h,i]perylene	16.8		10	0.10
207-08-9	Benzo[k]fluoranthene	16.9		10	0.10
111-91-1	Bis(2-chloroethoxy)methane	14.9		10	0.32
111-44-4	Bis(2-chloroethyl)ether	15.3		10	0.10
117-81-7	Bis(2-ethylhexyl) phthalate	16.8		10	0.80
108-60-1	2,2'-oxybis[1-chloropropane]	15.0		10	0.40
85-68-7	Butyl benzyl phthalate	17.2		10	0.80
218-01-9	Chrysene	17.2		10	0.10
53-70-3	Dibenz(a,h)anthracene	16.6		10	0.10
84-66-2	Diethyl phthalate	16.0		10	0.60

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 240-79226/3-A
Matrix: Water
Lab File ID: 30326023.D
Analysis Method: 625
Date Collected:
Extract. Method: 625
Date Extracted: 03/23/2013 11:09
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 18:14
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 79448
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
131-11-3	Dimethyl phthalate	14.5		10	0.29
84-74-2	Di-n-butyl phthalate	16.5		10	0.67
117-84-0	Di-n-octyl phthalate	15.9		10	0.80
206-44-0	Fluoranthene	17.1		10	0.10
86-73-7	Fluorene	16.0		10	0.10
118-74-1	Hexachlorobenzene	14.6		10	0.10
87-68-3	Hexachlorobutadiene	14.0		10	0.27
77-47-4	Hexachlorocyclopentadiene	14.2		10	0.80
67-72-1	Hexachloroethane	15.1		10	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	15.7		10	0.10
78-59-1	Isophorone	16.1		10	0.27
91-20-3	Naphthalene	15.4		10	0.10
98-95-3	Nitrobenzene	15.6		10	0.040
62-75-9	N-Nitrosodimethylamine	9.27	J	10	0.31
621-64-7	N-Nitrosodi-n-propylamine	14.9		10	0.80
86-30-6	N-Nitrosodiphenylamine	15.3		10	0.31
59-50-7	4-Chloro-3-methylphenol	12.2		10	0.80
87-86-5	Pentachlorophenol	11.6		10	2.4
85-01-8	Phenanthrene	16.2		10	0.10
108-95-2	Phenol	5.78	J	10	0.60
129-00-0	Pyrene	16.6		10	0.10
95-95-4	2,4,5-Trichlorophenol	11.8		10	0.30
122-66-7	1,2-Diphenylhydrazine	16.3		10	0.29

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	42		10-135
118-79-6	2,4,6-Tribromophenol	65		10-142
4165-60-0	Nitrobenzene-d5	77		44-110
4165-62-2	Phenol-d5	28		10-132
1718-51-0	Terphenyl-d14	81		24-135
321-60-8	2-Fluorobiphenyl (Surr)	69		38-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326023.D
Lims ID: LCS 240-79226/3-A
Client ID:
Inject. Date: 26-Mar-2013 18:14:30
Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0018258-023
Misc. Info.: LCS 240-79226/3-A
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 23
Lims Batch ID: 79448
Lims Sample ID: 23
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20130326-18258.b\8270_hp7.m
Last Update: 27-Mar-2013 12:57:18
Calib Date: 26-Mar-2013 17:03:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326020.D
Limit Group: MSS 625 ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: gruberj
Date: 27-Mar-2013 08:26:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.915	5.915	0.0	96	250663	4.00	
* 2 Naphthalene-d8	136	7.044	7.043	0.001	100	1016463	4.00	
* 3 Acenaphthene-d10	164	8.552	8.557	-0.005	92	616685	4.00	
* 4 Phenanthrene-d10	188	9.819	9.825	-0.006	97	968761	4.00	
* 5 Chrysene-d12	240	12.403	12.403	0.0	95	1106089	4.00	
* 6 Perylene-d12	264	14.494	14.494	0.0	97	878117	4.00	
$ 7 2-Fluorophenol	112	4.637	4.631	0.006	92	632882	6.36	
$ 8 Phenol-d5	99	5.551	5.546	0.005	88	543930	4.13	
$ 9 Nitrobenzene-d5	82	6.407	6.407	0.0	88	700534	7.73	
$ 10 2-Fluorobiphenyl (Surr)	172	7.964	7.963	0.001	99	1331945	6.91	
$ 11 2,4,6-Tribromophenol	330	9.220	9.226	-0.006	91	268314	9.79	
$ 12 Terphenyl-d14	244	11.194	11.194	0.0	99	1486232	8.08	
24 1,4-Dioxane	88	2.363	2.353	0.010	85	151324	3.59	M
25 N-Nitrosodimethylamine	74	2.823	2.813	0.010	91	241483	4.63	
26 Pyridine	79	2.872	2.866	0.006	96	449176	4.54	
30 2-Picoline	93	3.968	3.968	0.0	94	623141	0	
36 Ethyl methanesulfonate	79	5.182	5.182	0.0	98	483894	0	
40 Benzaldehyde	77	5.508	5.508	0.0	96	558761	0	
41 Phenol	94	5.562	5.562	0.0	96	401633	2.89	
43 Aniline	93	5.605	5.605	0.0	98	695872	4.41	
44 Bis(2-chloroethyl)ether	93	5.664	5.663	0.001	98	682569	7.67	
46 2-Chlorophenol	128	5.717	5.717	0.0	94	661872	6.14	
47 1,3-Dichlorobenzene	146	5.861	5.861	0.0	95	683608	7.29	
48 1,4-Dichlorobenzene	146	5.931	5.931	0.0	92	706593	6.08	
49 Benzyl alcohol	108	6.027	6.027	0.0	93	357155	5.31	
50 1,2-Dichlorobenzene	146	6.070	6.070	0.0	94	666860	7.47	
51 2-Methylphenol	108	6.118	6.118	0.0	96	549316	5.52	
52 2,2'-oxybis[1-chloropropane]	45	6.150	6.150	0.0	91	700745	7.52	
191 3 & 4 Methylphenol	108	6.252	6.252	0.0	93	1061832	10.2	
56 N-Nitrosodi-n-propylamine	70	6.263	6.268	-0.005	85	421783	7.43	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 Acetophenone	105	6.268	6.268	0.0	93	959944	0	
60 Hexachloroethane	117	6.375	6.375	0.0	92	266010	7.53	
61 Nitrobenzene	77	6.423	6.423	0.0	82	740416	7.78	
63 Isophorone	82	6.632	6.632	0.0	99	1252782	8.03	
65 2-Nitrophenol	139	6.707	6.706	0.001	93	327824	6.66	
64 2,4-Dimethylphenol	107	6.723	6.722	0.001	80	564121	5.14	
69 Benzoic acid	122	6.749	6.792	-0.043	74	13876	2.41	
68 Bis(2-chloroethoxy)methane	93	6.814	6.813	0.001	97	805603	7.47	
71 2,4-Dichlorophenol	162	6.910	6.910	0.0	94	533689	6.19	
72 1,2,4-Trichlorobenzene	180	6.990	6.990	0.0	93	562834	7.03	
73 Naphthalene	128	7.065	7.065	0.0	97	1911713	7.68	
74 4-Chloroaniline	127	7.097	7.097	0.0	87	665036	5.75	
77 Hexachlorobutadiene	225	7.167	7.166	0.001	94	297788	7.01	
80 Quinoline	129		7.227					9
83 Caprolactam	113	7.381	7.386	-0.006	61	54652	0	
84 4-Chloro-3-methylphenol	107	7.493	7.498	-0.005	93	557835	6.11	
93 Safrole, Total	162	7.573	7.573	0.0	91	480528	0	
85 2-Methylnaphthalene	142	7.659	7.658	0.001	89	1256020	8.04	
86 1-Methylnaphthalene	142	7.744	7.744	0.0	91	1182503	0	
88 Hexachlorocyclopentadiene	237	7.792	7.792	0.0	93	285359	7.09	
90 2,4,6-Trichlorophenol	196	7.889	7.888	0.001	92	388194	6.27	
91 2,4,5-Trichlorophenol	196	7.921	7.921	0.0	95	405202	5.92	
95 1,1'-Biphenyl	154	8.054	8.054	0.0	94	1450492	7.43	
98 2-Chloronaphthalene	162	8.076	8.081	-0.005	96	1217970	7.19	
100 2-Nitroaniline	65	8.151	8.151	0.0	85	380406	7.78	
102 1,4-Dinitrobenzene	168	8.263	8.263	0.0	89	180421	0	
103 Dimethyl phthalate	163	8.295	8.295	0.0	98	1250329	7.24	
104 1,3-Dinitrobenzene	168	8.327	8.327	0.0	87	218855	0	
105 2,6-Dinitrotoluene	165	8.349	8.354	-0.005	89	313018	8.87	
106 1,2-Dinitrobenzene	168	8.402	8.402	0.0	87	156846	0	
107 Acenaphthylene	152	8.434	8.434	0.0	93	1941775	8.11	
108 3-Nitroaniline	138	8.498	8.498	0.0	93	309379	6.76	
110 Acenaphthene	153	8.584	8.584	0.0	94	1169008	7.78	
109 2,4-Dinitrophenol	184	8.584	8.589	-0.005	57	81144	4.01	
111 4-Nitrophenol	109	8.616	8.611	0.005	90	80045	2.45	
112 2,4-Dinitrotoluene	165	8.696	8.696	0.0	86	432251	9.07	
114 Dibenzofuran	168	8.728	8.728	0.0	89	1822156	7.98	
115 2,3,5,6-Tetrachlorophenol	232	8.787	8.787	0.0	86	323753	0	
117 2,3,4,6-Tetrachlorophenol	232	8.819	8.819	0.0	73	344322	0	
119 Diethyl phthalate	149	8.889	8.894	-0.005	97	1322226	8.01	
121 4-Chlorophenyl phenyl ether	204	9.006	9.006	0.0	92	675606	7.58	
123 4-Nitroaniline	138	9.017	9.017	0.0	81	347429	7.74	
124 Fluorene	166	9.023	9.022	0.001	82	1455519	7.98	
126 4,6-Dinitro-2-methylphenol	198	9.039	9.044	-0.005	83	177238	5.38	
130 N-Nitrosodiphenylamine	169	9.103	9.103	0.0	0	1088903	7.67	
131 Azobenzene	77	9.140	9.145	-0.005	98	1565589	8.17	
129 1,2-Diphenylhydrazine	77	9.140	9.145	-0.005	0	1565589	8.17	
135 Phenacetin	108	9.343	9.343	0.0	91	651557	0	
136 Phorate	121	9.349	9.354	-0.005	93	250170	0	
137 4-Bromophenyl phenyl ether	248	9.424	9.429	-0.005	66	384137	7.66	
139 Hexachlorobenzene	284	9.488	9.488	0.0	89	380744	7.31	
140 Atrazine	200	9.541	9.541	0.0	92	381668	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.648	9.648	0.0	88	198713	5.79	
142 Pronamide	173	9.675	9.675	0.0	86	577675	0	
146 Phenanthrene	178	9.841	9.841	0.0	97	2095735	8.09	
147 Anthracene	178	9.884	9.889	-0.005	98	2119981	8.72	
149 Carbazole	167	10.012	10.012	0.0	82	2005255	8.27	
151 Di-n-butyl phthalate	149	10.274	10.279	-0.005	100	2291989	8.26	
157 Fluoranthene	202	10.857	10.857	0.0	97	2340194	8.54	
160 Pyrene	202	11.071	11.071	0.0	98	2461323	8.32	
162 Chlorobenzilate	139	11.365	11.365	0.0	89	544892	0	
166 Butyl benzyl phthalate	149	11.681	11.686	-0.005	96	905798	8.62	
173 3,3'-Dichlorobenzidine	252	12.333	12.339	-0.006	72	540520	5.03	
171 Bis(2-ethylhexyl) phthalate	149	12.371	12.376	-0.005	96	1252792	8.38	
175 Benzo[a]anthracene	228	12.392	12.392	0.0	97	2190638	8.22	
176 Chrysene	228	12.435	12.440	-0.005	94	2152144	8.59	
178 Di-n-octyl phthalate	149	13.291	13.296	-0.005	99	1830167	7.94	
180 Benzo[b]fluoranthene	252	13.906	13.911	-0.005	94	1985101	8.03	
181 Benzo[k]fluoranthene	252	13.949	13.954	-0.005	98	2230925	8.47	
182 Benzo[a]pyrene	252	14.409	14.414	-0.005	75	1839757	8.29	
186 Indeno[1,2,3-cd]pyrene	276	16.168	16.168	0.0	97	1964845	7.87	
187 Dibenz(a,h)anthracene	278	16.195	16.200	-0.005	69	1708110	8.32	
188 Benzo[g,h,i]perylene	276	16.623	16.623	0.0	95	1799844	8.40	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

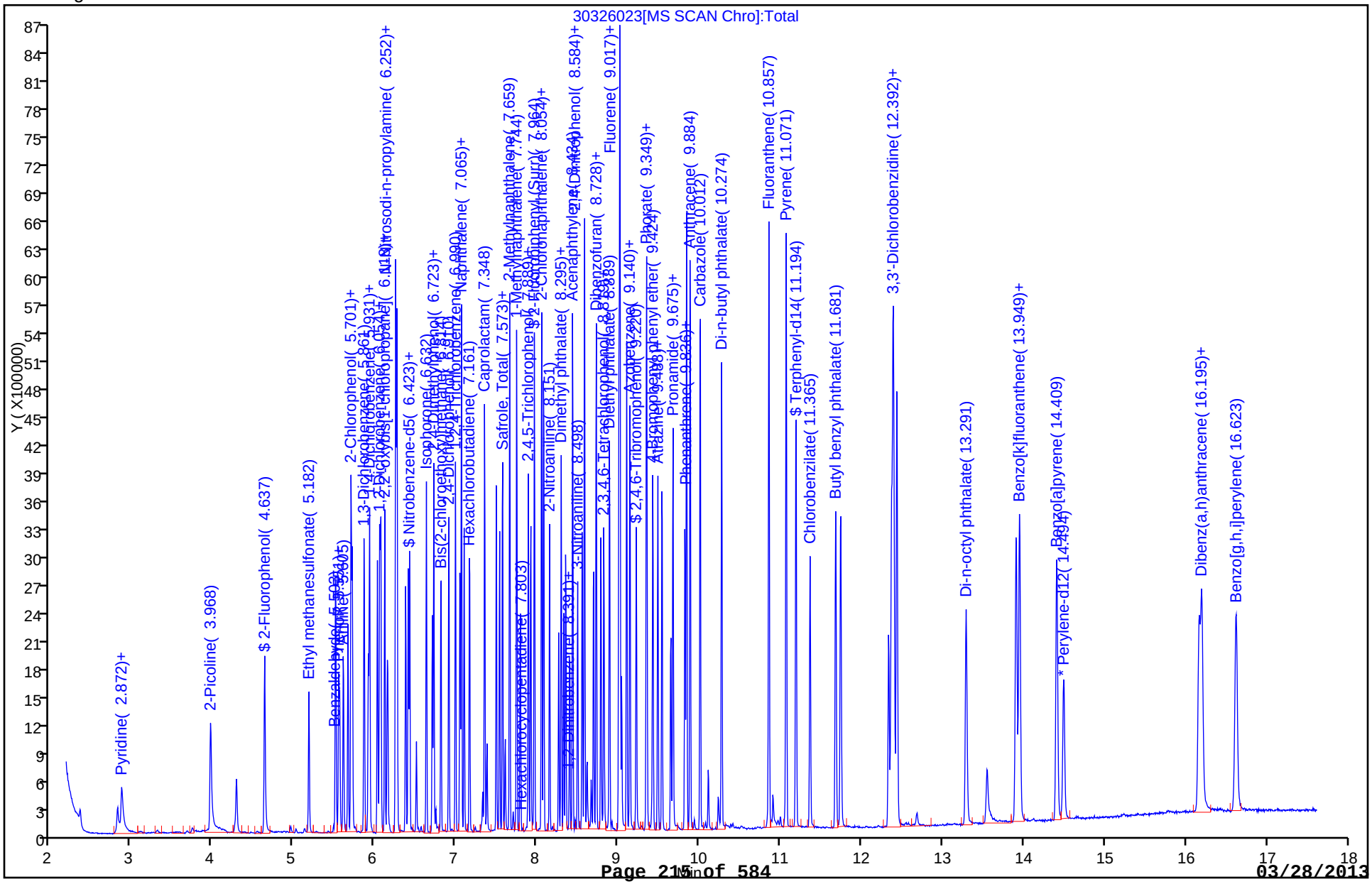
Review Flags
M - Manually Integrated

Report Date: 27-Mar-2013 12:57:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20130326-18258.b\30326023.D		
Injection Date:	26-Mar-2013 18:14:30	Limit Group:	MSS 625 ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	79448	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: BNAMS6 Start Date: 03/20/2013 19:35

Analysis Batch Number: 152058 End Date: 03/21/2013 11:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-152058/1		03/20/2013 19:35	1	m63142.d	Rtx-5MS 0.25(mm)
ICIS 460-152058/2		03/20/2013 21:16	1	m63143.d	Rtx-5MS 0.25(mm)
IC 460-152058/3		03/20/2013 21:42	1	m63144.d	Rtx-5MS 0.25(mm)
IC 460-152058/4		03/20/2013 22:05	1	m63145.d	Rtx-5MS 0.25(mm)
IC 460-152058/5		03/20/2013 22:27	1	m63146.d	Rtx-5MS 0.25(mm)
IC 460-152058/6		03/20/2013 22:50	1	m63147.d	Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 00:38	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 01:01	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 01:24	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 01:47	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 02:10	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 02:32	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 02:55	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 03:17	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 03:40	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 04:03	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 04:25	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 04:48	1		Rtx-5MS 0.25(mm)
ZZZZZ		03/21/2013 05:11	1		Rtx-5MS 0.25(mm)
LCSD 460-152013/3-A		03/21/2013 08:00	1	m63164.d	Rtx-5MS 0.25(mm)
MB 460-152013/1-A		03/21/2013 08:23	1	m63165.d	Rtx-5MS 0.25(mm)
460-52642-1	INFLUENT	03/21/2013 08:45	1	m63166.d	Rtx-5MS 0.25(mm)
LCS 460-152013/2-A		03/21/2013 11:27	1	m63167.d	Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Instrument ID: A4HP7 Start Date: 03/26/2013 09:31

Analysis Batch Number: 79448 End Date: 03/27/2013 08:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-79448/1		03/26/2013 09:31	1	30326001.D	RXI-5SILMS 0.45(mm)
STD5 240-79448/2 IC		03/26/2013 09:55	1	30326002.D	RXI-5SILMS 0.45(mm)
STD4 240-79448/3 IC		03/26/2013 10:18	1	30326003.D	RXI-5SILMS 0.45(mm)
STD3 240-79448/4 IC		03/26/2013 10:42	1	30326004.D	RXI-5SILMS 0.45(mm)
STD2 240-79448/5 IC		03/26/2013 11:06	1	30326005.D	RXI-5SILMS 0.45(mm)
STD1 240-79448/6 IC		03/26/2013 11:30	1	30326006.D	RXI-5SILMS 0.45(mm)
STD9 240-79448/7 IC		03/26/2013 11:53	1	30326007.D	RXI-5SILMS 0.45(mm)
STD8 240-79448/8 IC		03/26/2013 12:17	1	30326008.D	RXI-5SILMS 0.45(mm)
STD7 240-79448/9 IC		03/26/2013 12:41	1	30326009.D	RXI-5SILMS 0.45(mm)
STD6 240-79448/10 ICIS		03/26/2013 13:05	1	30326010.D	RXI-5SILMS 0.45(mm)
ICV 240-79448/11		03/26/2013 13:29	1	30326011.D	RXI-5SILMS 0.45(mm)
STD9 240-79448/13 IC		03/26/2013 14:16	1	30326013.D	RXI-5SILMS 0.45(mm)
STD8 240-79448/14 IC		03/26/2013 14:40	1	30326014.D	RXI-5SILMS 0.45(mm)
STD7 240-79448/15 IC		03/26/2013 15:04	1	30326015.D	RXI-5SILMS 0.45(mm)
STD6 240-79448/16 IC		03/26/2013 15:28	1	30326016.D	RXI-5SILMS 0.45(mm)
STD5 240-79448/17 IC		03/26/2013 15:51	1	30326017.D	RXI-5SILMS 0.45(mm)
STD4 240-79448/18 IC		03/26/2013 16:15	1	30326018.D	RXI-5SILMS 0.45(mm)
STD3 240-79448/19 IC		03/26/2013 16:39	1	30326019.D	RXI-5SILMS 0.45(mm)
STD2 240-79448/20 IC		03/26/2013 17:03	1	30326020.D	RXI-5SILMS 0.45(mm)
ICV 240-79448/21		03/26/2013 17:27	1	30326021.D	RXI-5SILMS 0.45(mm)
MB 240-79226/2-A		03/26/2013 17:50	1	30326022.D	RXI-5SILMS 0.45(mm)
LCS 240-79226/3-A		03/26/2013 18:14	1	30326023.D	RXI-5SILMS 0.45(mm)
460-52642-1	INFLUENT	03/27/2013 08:03	1	30326028.D	RXI-5SILMS 0.45(mm)

625

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152013 Batch Start Date: 03/21/13 07:15 Batch Analyst: Silva, Jose

Batch Method: 625 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH
MB 460-152013/1		625, 625		7	1000 mL	2 mL		< 2 SU	> 12 SU
LCS 460-152013/2		625, 625		7	1000 mL	2 mL		< 2 SU	> 12 SU
LCSD 460-152013/3		625, 625		7	1000 mL	2 mL		< 2 SU	> 12 SU
460-52642-I-1	INFLUENT	625, 625	T	8	970 mL	2 mL	8 SU	< 2 SU	> 12 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP625/82SP 00038	OP625/82SU 00035				
MB 460-152013/1		625, 625			1 mL				
LCS 460-152013/2		625, 625		1 mL	1 mL				
LCSD 460-152013/3		625, 625		1 mL	1 mL				
460-52642-I-1	INFLUENT	625, 625	T		1 mL				

Batch Notes	
Acid used for pH adjustment	Sulfuric
Acid used for pH adjust Lot #	20665
Base used for pH adjustment	NAOH
Base used for pH adjust Lot #	op 551
Batch Comment	625 BNA
Person's name who did the concentration	JS
N-evap #	222299
N-evap temperature	22.0 Celsius
Prep Solvent Lot #	34712
Prep Solvent Name	MECL2
Prep Solvent Volume Used	360 ML
Person's name who did the prep	Jose
Uncorrected N-evap Temperature	22.0 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152013 Batch Start Date: 03/21/13 07:15 Batch Analyst: Silva, Jose

Batch Method: 625 Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 460-52642-1

SDG No.:

Batch Number: 79226 Batch Start Date: 03/23/13 11:09 Batch Analyst: Earle, Steve

Batch Method: 625 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	EXBNALCS1 00034
460-52642-H-1	INFLUENT	625, 625	T	950 mL	2 mL	7 SU	12 SU	2 SU	
MB 240-79226/2		625, 625		1000 mL	2 mL	7 SU	12 SU	2 SU	
LCS 240-79226/3		625, 625		1000 mL	2 mL	7 SU	12 SU	2 SU	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXBNASURRW 00023	EXRESTEKSPKW 00019				
460-52642-H-1	INFLUENT	625, 625	T	1 mL					
MB 240-79226/2		625, 625		1 mL					
LCS 240-79226/3		625, 625		1 mL	1 mL				

Batch Notes	
Acid used for pH adjust Lot #	711899
Base used for pH adjust Lot #	711887
Person's name who did the concentration	se
Na2SO4 Lot Number	857423
Prep Solvent Lot #	903529

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 608

Organochlorine Pesticides & PCBs (GC) by Method 608

FORM II
PESTICIDES/PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): MR-1 ID: 0.53 (mm) GC Column (2): MR-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
INFLUENT	460-52642-1	67	76	71	70
INFLUENT	460-52642-1		98		106
	MB 180-66997/1-A	90	93	81	79
	MB 180-66997/1-A		117		102
	LCS 180-66997/2-A	88	88	82	82
	LCS 180-66997/4-A		105		99
	LCSD 180-66997/3-A	82	83	66	65
	LCSD 180-66997/5-A		109		102

	QC LIMITS
TCX = Tetrachloro-m-xylene	36-129
DCB = DCB Decachlorobiphenyl (Surr)	57-144

Column to be used to flag recovery values

FORM II 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: AQ0313000995.D

Lab ID: LCS 180-66997/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aldrin	0.0250	0.0201	80	42-122	
alpha-BHC	0.0250	0.0197	79	37-134	
beta-BHC	0.0250	0.0203	81	17-147	
gamma-BHC (Lindane)	0.0250	0.0204	82	32-127	
delta-BHC	0.0250	0.0165	66	19-140	
4,4'-DDD	0.0250	0.0200	80	31-141	
4,4'-DDE	0.0250	0.0192	77	30-145	
Dieldrin	0.0250	0.0193	77	36-146	
Endosulfan I	0.0250	0.0196	78	45-153	
Endosulfan II	0.0250	0.0194	77	10-202	
Endosulfan sulfate	0.0250	0.0192	77	26-144	
Endrin	0.0250	0.0199	80	30-147	
Endrin aldehyde	0.0250	0.0204	82	56-125	
Heptachlor	0.0250	0.0214	86	34-111	
Heptachlor epoxide	0.0250	0.0200	80	37-142	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: BQ0313000995.D

Lab ID: LCS 180-66997/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDT	0.0250	0.0207	83	25-160	
Methoxychlor	0.0250	0.0214	85	65-135	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P0330836.D

Lab ID: LCS 180-66997/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	1.00	0.968	97	50-114	
PCB-1260	1.00	0.975	97	10-127	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: AQ0313000996.D

Lab ID: LCSD 180-66997/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aldrin	0.0250	0.0172	69	16	20	42-122	
alpha-BHC	0.0250	0.0183	73	7	20	37-134	
beta-BHC	0.0250	0.0183	73	10	26	17-147	
gamma-BHC (Lindane)	0.0250	0.0184	74	10	20	32-127	
delta-BHC	0.0250	0.0143	57	15	23	19-140	
4,4'-DDD	0.0250	0.0156	63	24	23	31-141	*
4,4'-DDE	0.0250	0.0156	62	21	22	30-145	
Dieldrin	0.0250	0.0156	63	21	23	36-146	
Endosulfan I	0.0250	0.0161	65	19	22	45-153	
Endosulfan II	0.0250	0.0155	62	22	44	10-202	
Endosulfan sulfate	0.0250	0.0143	57	29	24	26-144	*
Endrin	0.0250	0.0156	62	24	24	30-147	
Endrin aldehyde	0.0250	0.0159	63	25	32	56-125	
Heptachlor	0.0250	0.0190	76	12	20	34-111	
Heptachlor epoxide	0.0250	0.0171	68	16	20	37-142	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: BQ0313000996.D

Lab ID: LCSD 180-66997/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDT	0.0250	0.0161	64	28	27	25-160	
Methoxychlor	0.0250	0.0165	66	27	29	65-135	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P0330837.D

Lab ID: LCSD 180-66997/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	1.00	1.01	101	5	20	50-114	
PCB-1260	1.00	1.01	101	4	20	10-127	

Column to be used to flag recovery and RPD values

FORM III 608

FORM IV
PESTICIDES/PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: MB 180-66997/1-A

Matrix: Water Date Extracted: 03/21/2013 13:40

Lab File ID:(1) AQ0313000911.D Lab File ID:(2) BQ0313000911.D

Date Analyzed:(1) 03/25/2013 17:11 Date Analyzed:(2) 03/25/2013 17:11

Instrument ID:(1) GC15 Instrument ID:(2) GC15

GC Column:(1) MR-1 ID: 0.53(mm) GC Column:(2) MR-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
INFLUENT	460-52642-1	03/25/2013 16:56	03/25/2013 16:56
	LCS 180-66997/2-A	03/25/2013 17:27	03/25/2013 17:27
	LCSD 180-66997/3-A	03/25/2013 17:42	03/25/2013 17:42

FORM IV
PESTICIDES/PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: MB 180-66997/1-A

Matrix: Water Date Extracted: 03/21/2013 13:40

Lab File ID:(1) AQ0313000994.D Lab File ID:(2) BQ0313000994.D

Date Analyzed:(1) 03/26/2013 21:18 Date Analyzed:(2) 03/26/2013 21:18

Instrument ID:(1) GC15 Instrument ID:(2) GC15

GC Column:(1) MR-1 ID: 0.53(mm) GC Column:(2) MR-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
INFLUENT	460-52642-1	03/26/2013 21:03	03/26/2013 21:03
	LCS 180-66997/2-A	03/26/2013 21:34	03/26/2013 21:34
	LCSD 180-66997/3-A	03/26/2013 21:49	03/26/2013 21:49

FORM IV
PESTICIDES/PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: MB 180-66997/1-A

Matrix: Water Date Extracted: 03/21/2013 13:40

Lab File ID:(1) Lab File ID:(2) P0330835.D

Date Analyzed:(1) Date Analyzed:(2) 03/22/2013 14:29

Instrument ID:(1) Instrument ID:(2) GC8

GC Column:(1) ID: GC Column:(2) RTX-1701 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
INFLUENT	460-52642-1		03/22/2013 14:05
	LCS 180-66997/4-A		03/22/2013 14:54
	LCSD 180-66997/5-A		03/22/2013 15:18

FORM VIII
PESTICIDES/PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Sample No.: ICRT 180-67462/6 Date Analyzed: 03/26/2013 15:06

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm)

Lab File ID (Standard): AQ0313000970.D Heated Purge: (Y/N) N

Calibration ID: 8916

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				4.52	9.56	
UPPER LIMIT				4.57	9.61	
LOWER LIMIT				4.47	9.51	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 180-67462/6		03/26/2013 15:06	AQ0313000970.D	4.52	9.56	
PEM 180-67462/11		03/26/2013 20:32	AQ0313000991.D	4.52	9.55	
CCV 180-67462/12		03/26/2013 20:47	AQ0313000992.D	4.52	9.56	
460-52642-1	INFLUENT	03/26/2013 21:03	AQ0313000993.D	4.52	9.56	
MB 180-66997/1-A		03/26/2013 21:18	AQ0313000994.D	4.52	9.56	
LCS 180-66997/2-A		03/26/2013 21:34	AQ0313000995.D	4.52	9.56	
LCSD 180-66997/3-A		03/26/2013 21:49	AQ0313000996.D	4.52	9.56	
CCV 180-67462/22		03/27/2013 01:42	AQ0313001011.D	4.52	9.56	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 608

FORM VIII
PESTICIDES/PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Sample No.: ICRT 180-67462/6 Date Analyzed: 03/26/2013 15:06

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm)

Lab File ID (Standard): BQ0313000970.D Heated Purge: (Y/N) N

Calibration ID: 8919

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				4.59	9.99	
UPPER LIMIT				4.64	10.04	
LOWER LIMIT				4.54	9.94	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 180-67462/6		03/26/2013 15:06	BQ0313000970.D	4.59	9.99	
PEM 180-67462/11		03/26/2013 20:32	BQ0313000991.D	4.59	9.99	
CCV 180-67462/12		03/26/2013 20:47	BQ0313000992.D	4.59	9.99	
460-52642-1	INFLUENT	03/26/2013 21:03	BQ0313000993.D	4.59	9.99	
MB 180-66997/1-A		03/26/2013 21:18	BQ0313000994.D	4.59	9.98	
LCS 180-66997/2-A		03/26/2013 21:34	BQ0313000995.D	4.59	9.98	
LCSD 180-66997/3-A		03/26/2013 21:49	BQ0313000996.D	4.59	9.98	
CCV 180-67462/22		03/27/2013 01:42	BQ0313001011.D	4.59	9.99	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 608

FORM VIII
PESTICIDES/PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Sample No.: CCVRT 180-67227/8 Date Analyzed: 03/22/2013 13:40

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm)

Lab File ID (Standard): P0330833.D Heated Purge: (Y/N) N

Calibration ID: 8679

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.00	12.57	
UPPER LIMIT				4.05	12.62	
LOWER LIMIT				3.95	12.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-67227/8		03/22/2013 13:40	P0330833.D	4.00	12.57	
460-52642-1	INFLUENT	03/22/2013 14:05	P0330834.D	4.01	12.57	
MB 180-66997/1-A		03/22/2013 14:29	P0330835.D	4.01	12.57	
LCS 180-66997/4-A		03/22/2013 14:54	P0330836.D	4.00	12.57	
LCSD 180-66997/5-A		03/22/2013 15:18	P0330837.D	4.00	12.57	
CCV 180-67227/14		03/22/2013 16:57	P0330841.D	4.00	12.57	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 608

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-66997/2-A

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 03/26/2013 21:34 Date Analyzed (2): 03/26/2013 21:34

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.88	4.85	4.91	0.0197		5.1
	2		5.06	5.03	5.09	0.0207		
gamma-BHC (Lindane)	1		5.14	5.11	5.17	0.0204		0.4
	2		5.36	5.33	5.39	0.0205		
beta-BHC	1		5.30	5.27	5.33	0.0203		0.5
	2		5.61	5.58	5.64	0.0204		
delta-BHC	1		5.49	5.46	5.52	0.0165		1.5
	2		5.83	5.80	5.86	0.0168		
Heptachlor	1		5.60	5.57	5.63	0.0214		1.3
	2		5.68	5.65	5.71	0.0217		
Aldrin	1		5.88	5.85	5.91	0.0201		2.0
	2		5.94	5.91	5.97	0.0205		
Heptachlor epoxide	1		6.24	6.21	6.27	0.0200		0.6
	2		6.40	6.37	6.43	0.0198		
Endosulfan I	1		6.56	6.53	6.59	0.0196		0.2
	2		6.75	6.72	6.78	0.0196		
4,4'-DDE	1		6.68	6.65	6.71	0.0192		2.2
	2		6.83	6.80	6.86	0.0196		
Dieldrin	1		6.80	6.77	6.83	0.0193		2.1
	2		7.00	6.97	7.03	0.0197		
Endrin	1		7.00	6.97	7.03	0.0199		1.2
	2		7.27	7.24	7.30	0.0201		
4,4'-DDD	1		7.13	7.10	7.16	0.0200		1.6
	2		7.35	7.33	7.39	0.0196		
Endosulfan II	1		7.20	7.17	7.23	0.0194		2.7
	2		7.54	7.51	7.57	0.0199		
Endrin aldehyde	1		7.31	7.28	7.34	0.0204		3.6
	2		7.70	7.68	7.74	0.0197		
4,4'-DDT	1		7.41	7.38	7.44	0.0212		2.2
	2		7.60	7.57	7.63	0.0207		
Endosulfan sulfate	1		7.52	7.49	7.55	0.0192		0.6
	2		7.91	7.88	7.94	0.0193		
Methoxychlor	1		7.85	7.82	7.88	0.0217		1.5
	2		8.14	8.11	8.17	0.0214		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-66997/3-A

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 03/26/2013 21:49 Date Analyzed (2): 03/26/2013 21:49

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.88	4.85	4.91	0.0183		4.4
	2		5.06	5.03	5.09	0.0191		
gamma-BHC (Lindane)	1		5.14	5.11	5.17	0.0184		2.1
	2		5.36	5.33	5.39	0.0188		
beta-BHC	1		5.30	5.27	5.33	0.0183		1.2
	2		5.61	5.58	5.64	0.0181		
delta-BHC	1		5.49	5.46	5.52	0.0143		5.7
	2		5.83	5.80	5.86	0.0151		
Heptachlor	1		5.60	5.57	5.63	0.0190		1.3
	2		5.68	5.65	5.71	0.0192		
Aldrin	1		5.88	5.85	5.91	0.0172		4.0
	2		5.94	5.91	5.97	0.0179		
Heptachlor epoxide	1		6.24	6.21	6.27	0.0171		3.1
	2		6.40	6.37	6.43	0.0166		
Endosulfan I	1		6.56	6.53	6.59	0.0161		0.3
	2		6.75	6.72	6.78	0.0162		
4,4'-DDE	1		6.68	6.65	6.71	0.0156		0.5
	2		6.83	6.80	6.86	0.0157		
Dieldrin	1		6.80	6.77	6.83	0.0156		3.7
	2		7.00	6.97	7.03	0.0162		
Endrin	1		7.00	6.97	7.03	0.0156		2.0
	2		7.27	7.24	7.30	0.0159		
4,4'-DDD	1		7.13	7.10	7.16	0.0156		1.1
	2		7.35	7.33	7.39	0.0155		
Endosulfan II	1		7.20	7.17	7.23	0.0155		0.6
	2		7.54	7.51	7.57	0.0156		
Endrin aldehyde	1		7.31	7.28	7.34	0.0159		2.2
	2		7.70	7.68	7.74	0.0155		
4,4'-DDT	1		7.41	7.38	7.44	0.0152		5.7
	2		7.60	7.57	7.63	0.0161		
Endosulfan sulfate	1		7.53	7.49	7.55	0.0143		3.7
	2		7.91	7.88	7.94	0.0148		
Methoxychlor	1		7.85	7.82	7.88	0.0152		7.9
	2		8.14	8.11	8.17	0.0165		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-66997/4-A

Instrument ID (1): Instrument ID (2): GC8

Date Analyzed (1): Date Analyzed (2): 03/22/2013 14:54

GC Column (1): ID: GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	2	1	4.83	4.79	4.89	0.970	0.968	
		2	5.50	5.46	5.56	0.980		
		3	5.82	5.79	5.89	0.988		
		4	5.90	5.86	5.96	0.950		
		5	6.62	6.58	6.68	0.954		
PCB-1260	2	1	8.63	8.59	8.69	0.956	0.975	
		2	8.87	8.83	8.93	0.959		
		3	9.24	9.20	9.30	0.974		
		4	9.66	9.63	9.73	0.985		
		5	10.02	9.98	10.08	1.00		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-66997/5-A

Instrument ID (1): Instrument ID (2): GC8

Date Analyzed (1): Date Analyzed (2): 03/22/2013 15:18

GC Column (1): ID: GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	2	1	4.83	4.79	4.89	1.01	1.01	
		2	5.49	5.46	5.56	1.03		
		3	5.82	5.79	5.89	1.04		
		4	5.90	5.86	5.96	0.992		
		5	6.62	6.58	6.68	1.00		
PCB-1242	2	1	6.47	6.43	6.53	1.22	0.913	
		2	6.62	6.58	6.68	1.21		
		3	7.15	7.11	7.21	1.19		
		4	7.69	7.66	7.76	0.859		
		5	7.97	7.93	8.03	0.0763		
PCB-1260	2	1	8.63	8.59	8.69	0.992	1.01	
		2	8.87	8.83	8.93	0.991		
		3	9.24	9.20	9.30	1.01		
		4	9.66	9.63	9.73	1.02		
		5	10.02	9.98	10.08	1.04		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT Lab Sample ID: 460-52642-1

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 03/26/2013 21:03 Date Analyzed (2): 03/26/2013 21:03

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.89	4.85	4.91	0.0018		131.3
	2		5.04	5.03	5.09	0.0089		
gamma-BHC (Lindane)	1		5.14	5.11	5.17	0.0040		20.5
	2		5.38	5.33	5.39	0.0033		
delta-BHC	1		5.49	5.46	5.52	0.0014		57.6
	2		5.83	5.80	5.86	0.00078		
Heptachlor	1		5.61	5.57	5.63	0.0013		7.7
	2		5.70	5.65	5.71	0.0014		
4,4'-DDT	1		7.38	7.38	7.44	0.0027		32.1
	2		7.62	7.57	7.63	0.0019		

FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: P0330834.D

Analysis Method: 608 | Date Collected: 03/20/2013 06:30

Extraction Method: 608 | Date Extracted: 03/21/2013 13:40

Sample wt/vol: 980(mL) | Date Analyzed: 03/22/2013 14:05

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-1701 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67227 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.010	0.0026
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0030
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0014
11096-82-5	PCB-1260	ND		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	106		57-144

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330834.D
Report Date: 25-Mar-2013 13:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330834.D
Lab Smp Id: 460-52642-F-1-A Client Smp ID: INFLUENT
Inj Date : 22-MAR-2013 14:05
Operator : 402360 Inst ID: gc8.i
Smp Info : 03223B8608.b
Misc Info : 460-52642-F-1-A
Comment   : 8082 PCB ANALYSIS
Method   : \\pitsvr06\d\chem\gc8.i\03223B8608.b\PCBB608.m
Meth Date : 25-Mar-2013 13:48 gc8.i Quant Type: ESTD
Cal Date : 08-MAR-2013 22:13 Cal File: P0330321.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.005	4.015	-0.010	313606	0.01955	0.019546		(R)
1 Aroclor-1221					CAS #: 11104-28-2		
Operator disabled compound identification.							
4 Aroclor-1016					CAS #: 12674-11-2		
Operator disabled compound identification.							
3 Aroclor-1232					CAS #: 11141-16-5		
Operator disabled compound identification.							
6 Aroclor-1248					CAS #: 12672-29-6		
Operator disabled compound identification.							
5 Aroclor-1242					CAS #: 53469-21-9		
Operator disabled compound identification.							

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330834.D
Report Date: 25-Mar-2013 13:48

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

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

Operator disabled compound identification.
-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)               CAS #: 2051-24-3
12.574  12.599   -0.025          183707 0.02127  0.021271                      (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: P0330834.D

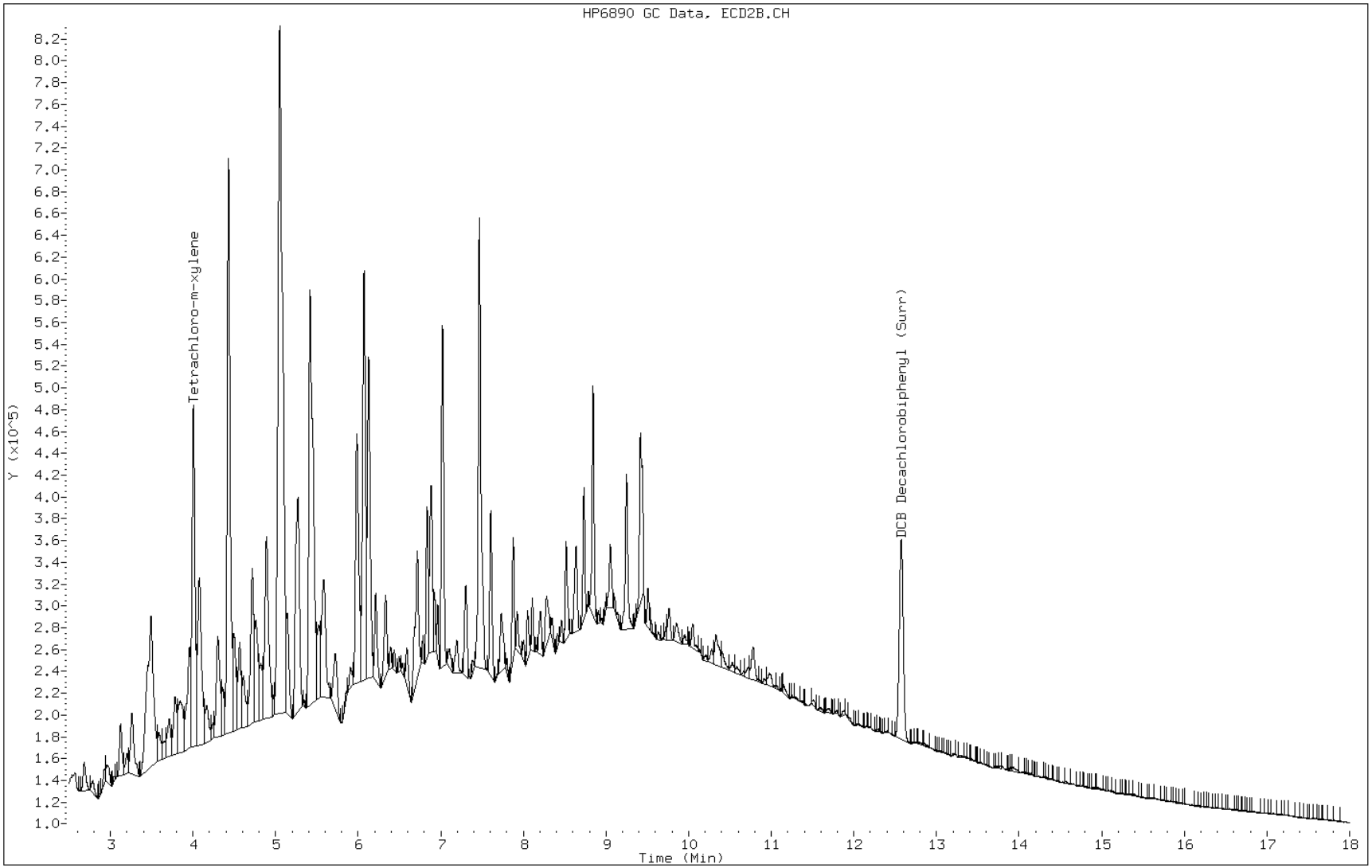
Date: 22-MAR-2013 14:05

Client ID: INFLUENT

Instrument: gc8.i

Sample Info: 03223B8608.b

Operator: 402360



FORM I

PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 460-52642-1

SDG No.:

Client Sample ID: INFLUENT | Lab Sample ID: 460-52642-1

Matrix: Water | Lab File ID: BQ0313000910.D

Analysis Method: 608 | Date Collected: 03/20/2013 06:30

Extraction Method: 608 | Date Extracted: 03/21/2013 13:40

Sample wt/vol: 980(mL) | Date Analyzed: 03/25/2013 16:56

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67287 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2385-85-5	Mirex	ND		0.0013	0.00049

Data File: \\PITSVR06\D\chem\gc15.i\032513608APP.b\BQ0313000910.D
Report Date: 26-Mar-2013 06:56

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\032513608APP.b\BQ0313000910.D
Lab Smp Id: 460-52642-F-1-A Client Smp ID: INFLUENT
Inj Date : 25-MAR-2013 16:56
Operator : 402331 Inst ID: gc15.i
Smp Info : 460-52642-f-1-a,2013.b
Misc Info : 460-52642-F-1-A
Comment   : 8081 Analysis
Method   : \\PITSVR06\D\chem\gc15.i\032513608APP.b\TPEST608B2.m
Meth Date : 26-Mar-2013 06:55 oravecj Quant Type: ESTD
Cal Date : 19-MAR-2013 13:52 Cal File: BQ0313000614.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: APPX1.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
2 HCCPD	3.294	3.303	-0.009	3559	0.00674	0.006739(a)
5 Hexachlorobenzene	4.951	4.969	-0.018	193749	0.01252	0.01252(a)
14 OXYCHLORDANE	6.249	6.246	0.003	3953	7e-004	0.0007154(a)
15 Isodrin	6.221	6.246	-0.025	6869	0.00124	0.001242(a)
9 Dacthal	5.907	5.904	0.003	4171	5e-004	0.0004836(a)
19 Chlorbenside	6.631	6.659	-0.028	5547	0.00484	0.004837(a)
37 Mirex	Compound Not Detected.					

QC Flag Legend

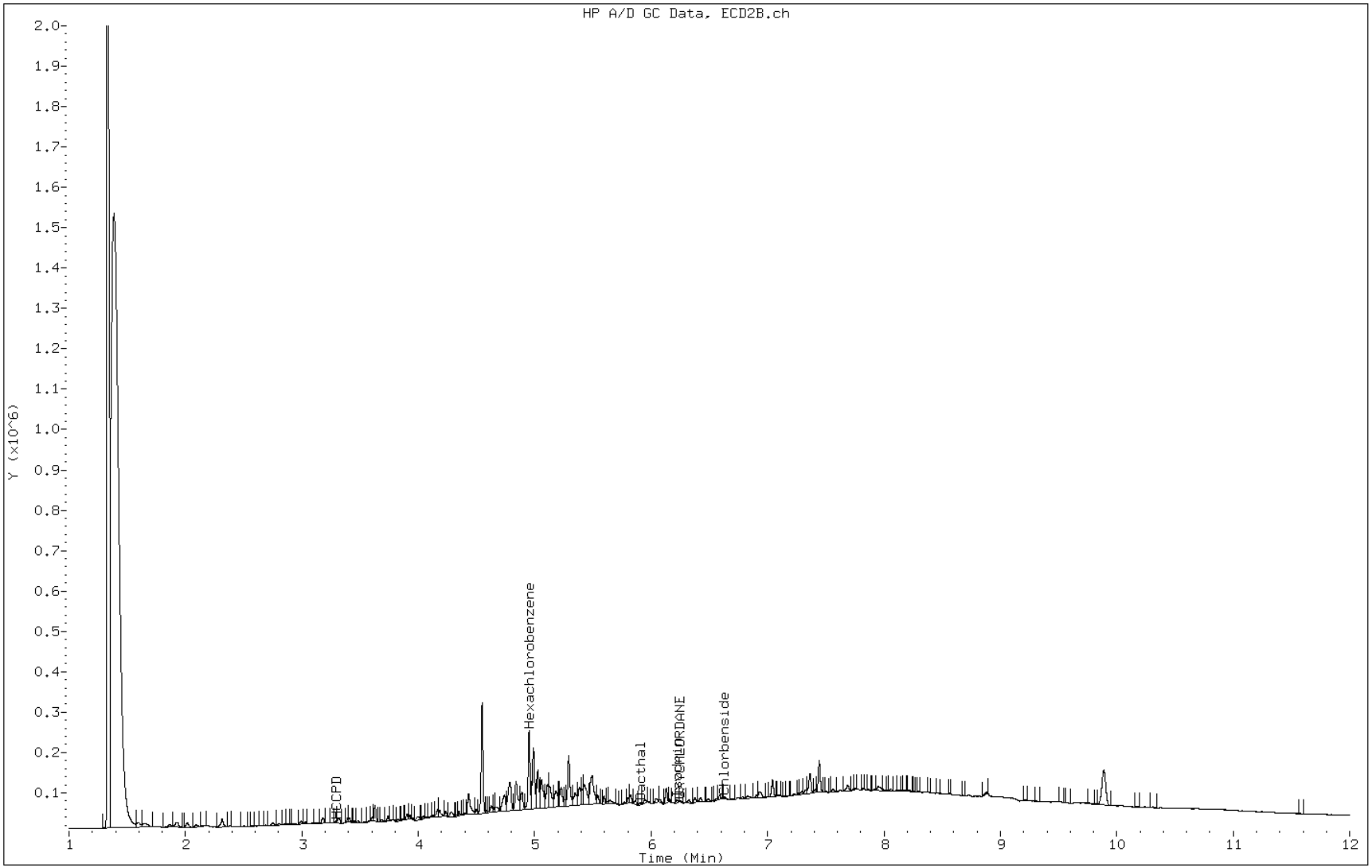
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: BQ0313000910.D

Date: 25-MAR-2013 16:56

Client ID: INFLUENT Instrument: gc15.i

Sample Info: 460-52642-f-1-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Matrix: Water
Lab File ID: AQ0313000993.D
Analysis Method: 608
Date Collected: 03/20/2013 06:30
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 980(mL)
Date Analyzed: 03/26/2013 21:03
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.0018	p	0.0013	0.00067
58-89-9	gamma-BHC (Lindane)	0.0040		0.0013	0.00082
57-74-9	Chlordane (technical)	ND		0.013	0.0017
72-54-8	4,4'-DDD	ND	*	0.0013	0.00068
72-55-9	4,4'-DDE	ND		0.0013	0.00081
60-57-1	Dieldrin	ND		0.0013	0.00084
959-98-8	Endosulfan I	ND		0.0013	0.00096
33213-65-9	Endosulfan II	ND		0.0013	0.0010
1031-07-8	Endosulfan sulfate	ND	*	0.0013	0.00058
72-20-8	Endrin	ND		0.0013	0.00098
7421-93-4	Endrin aldehyde	ND		0.0013	0.00092
1024-57-3	Heptachlor epoxide	ND		0.0013	0.00099
8001-35-2	Toxaphene	ND		0.051	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	67		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	71		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000993.D
Report Date: 27-Mar-2013 08:42

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000993.D
Lab Smp Id: 460-52642-F-1-A Client Smp ID: INFLUENT
Inj Date : 26-MAR-2013 21:03
Operator : 402331 Inst ID: gc15.i
Smp Info : 460-52642-f-1-a,2013.b
Misc Info : 460-52642-F-1-A
Comment   : 8081 analysis
Method   : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:29 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	257461	0.01349	0.01349(aR)
6 alpha-BHC	4.891	4.875	0.016	38427	0.00180	0.001805(a)
7 gamma-BHC (Lindane)	5.144	5.135	0.009	76878	0.00391	0.003915(a)
8 beta-BHC	5.306	5.296	0.010	38135	0.00392	0.003920(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.491	5.491	0.000	26974	0.00137	0.001375(a)
12 Heptachlor	5.608	5.602	0.006	19583	0.00123	0.001228(a)
17 Aldrin	5.856	5.878	-0.022	15752	9e-004	0.0009082(a)
20 Heptachlor epoxide	6.211	6.236	-0.025	6535	4e-004	0.0004309(a)
24 gamma-Chlordane	6.460	6.453	0.007	9449	6.e-004	0.0006020(a)
25 alpha-Chlordane	6.497	6.520	-0.023	17450	0.00115	0.001149(a)
26 Endosulfan I	6.591	6.562	0.029	12013	9e-004	0.0008652(a)
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	6.779	6.801	-0.022	4673	3e-004	0.0003054(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	Compound Not Detected.					
31 4,4'-DDD	7.134	7.133	0.001	6468	3e-004	0.0003272(a)
32 Endosulfan II	7.176	7.197	-0.021	6691	5e-004	0.0005194(a)
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	7.382	7.412	-0.030	14493	0.00264	0.002640(aM)
35 Endosulfan sulfate	7.521	7.524	-0.003	6427	6e-004	0.0005535(aM)
36 Methoxychlor	7.837	7.853	-0.016	6431	0.00140	0.001397(aM)
37 Endrin ketone	7.937	7.957	-0.020	9885	1e-003	0.0009792(aM)
$ 39 DCB Decachlorobiphenyl (Surr)	9.555	9.557	-0.002	101696	0.01426	0.01426

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000993.D
Report Date: 27-Mar-2013 08:42

QC Flag Legend

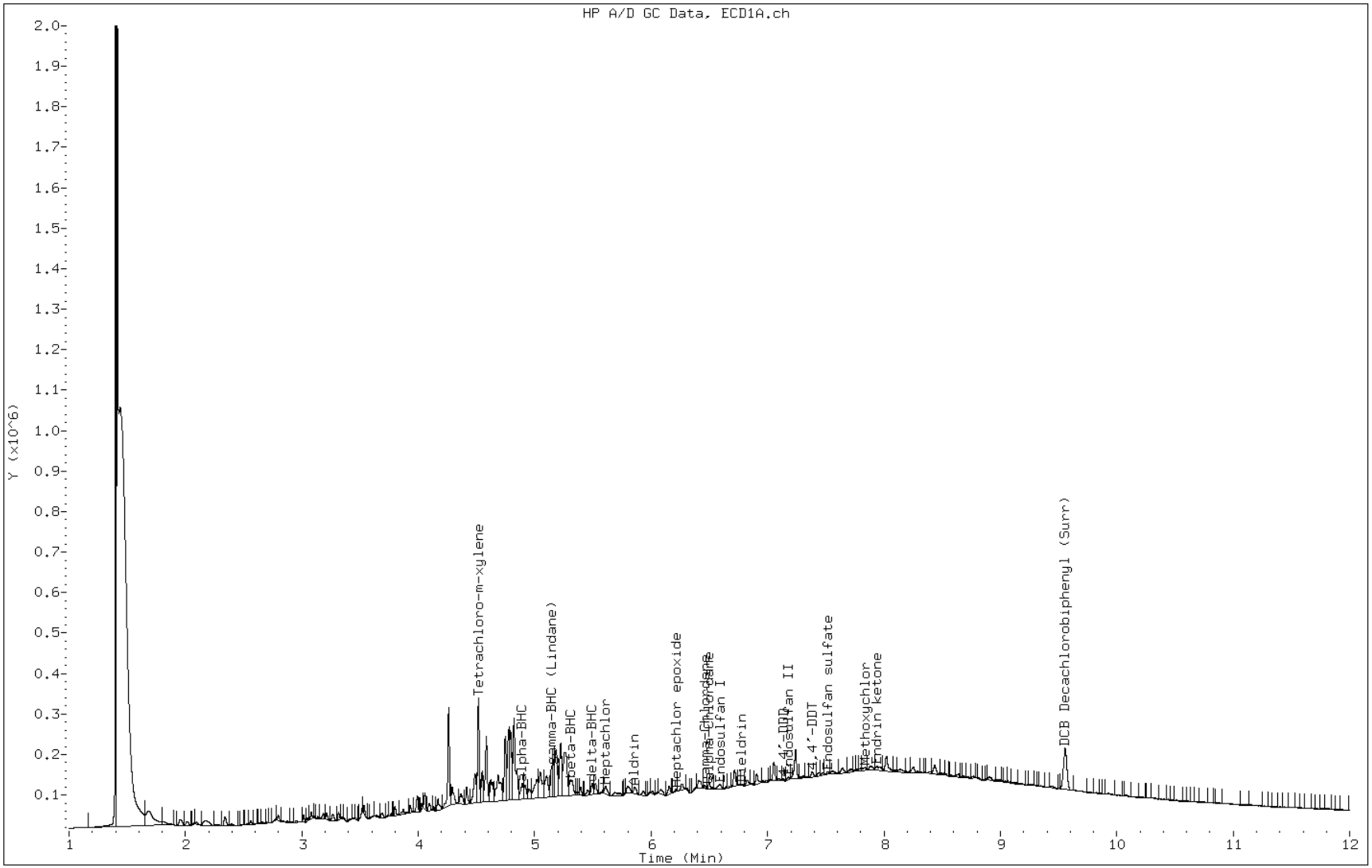
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: AQ0313000993.D

Date: 26-MAR-2013 21:03

Client ID: INFLUENT Instrument: gc15.i

Sample Info: 460-52642-f-1-a,2013.b Operator: 402331



Manual Integration Report

Data File: AQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 34 4,4'-DDT
CAS #: 50-29-3
Report Date: 03/27/2013

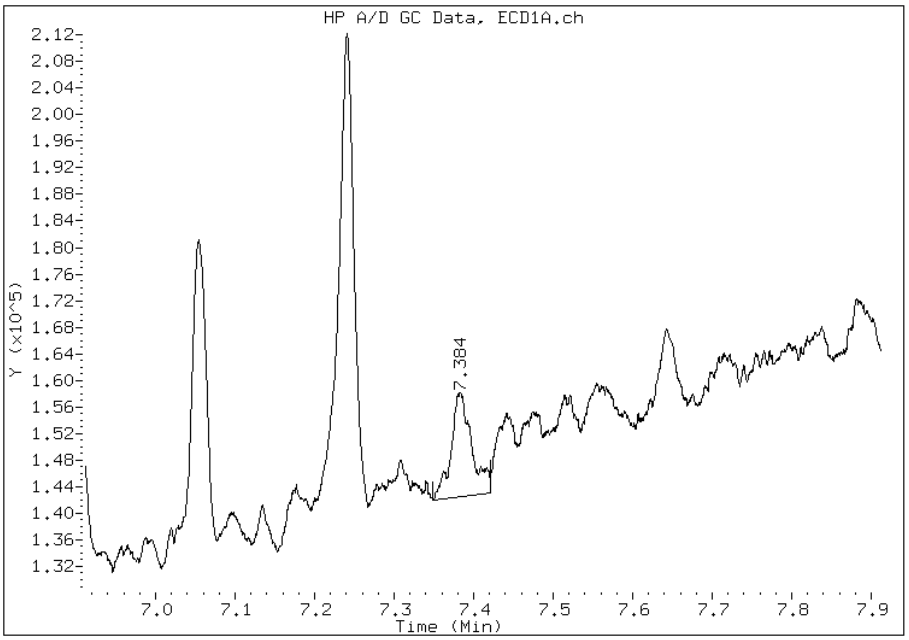
Processing Integration Results

RT: 7.38

Response: 15637

Amount: 0.00

Conc: 0.00



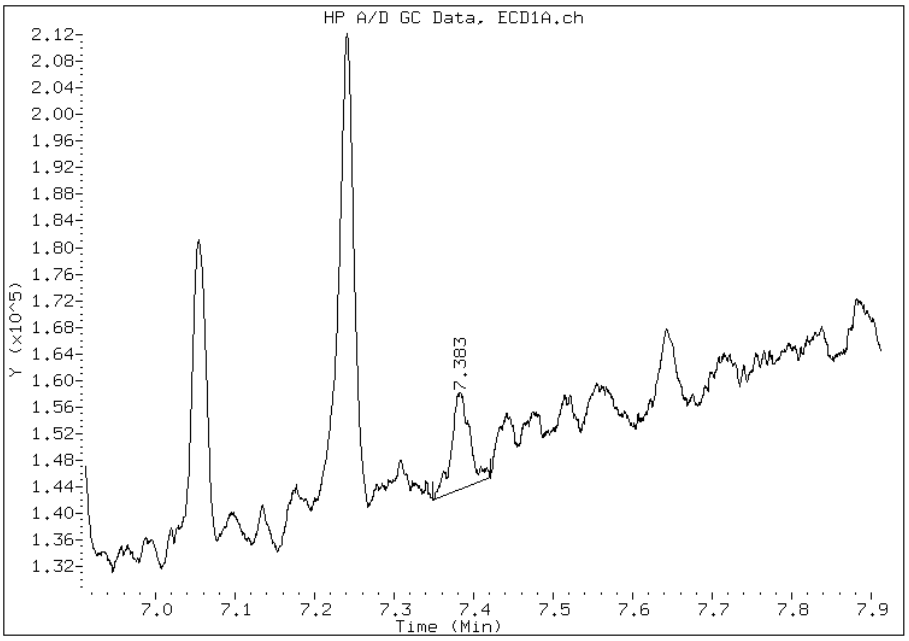
Manual Integration Results

RT: 7.38

Response: 14493

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 08:41
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: AQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 35 Endosulfan sulfate
CAS #: 1031-07-8
Report Date: 03/27/2013

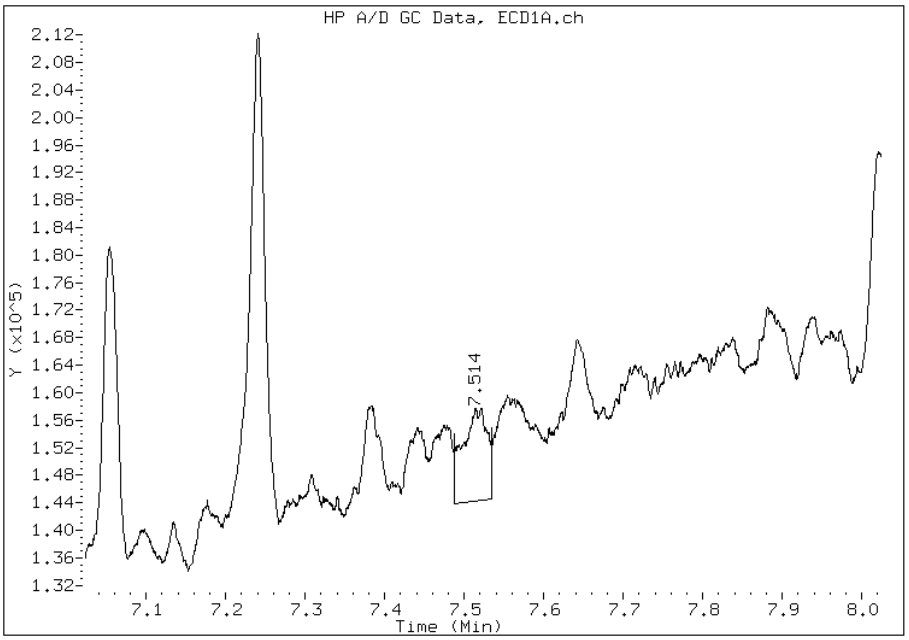
Processing Integration Results

RT: 7.51

Response: 13484

Amount: 0.00

Conc: 0.00



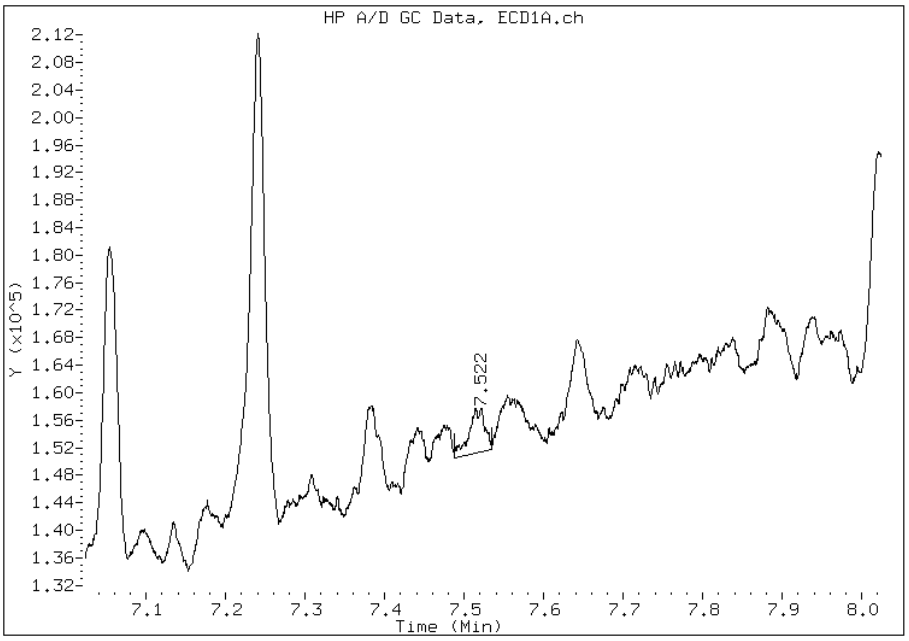
Manual Integration Results

RT: 7.52

Response: 6427

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 08:41
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: AQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 36 Methoxychlor
CAS #: 72-43-5
Report Date: 03/27/2013

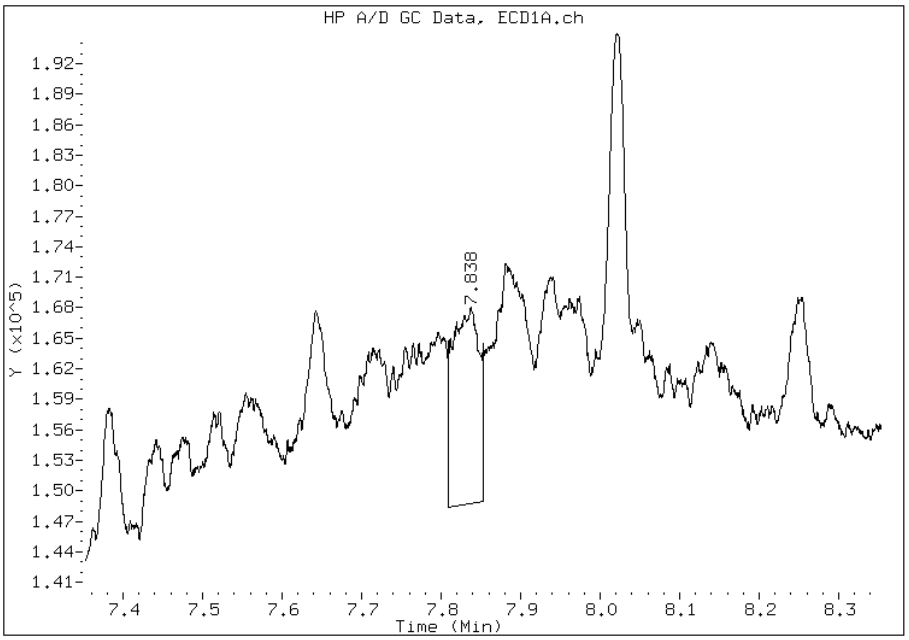
Processing Integration Results

RT: 7.84

Response: 19325

Amount: 0.00

Conc: 0.00



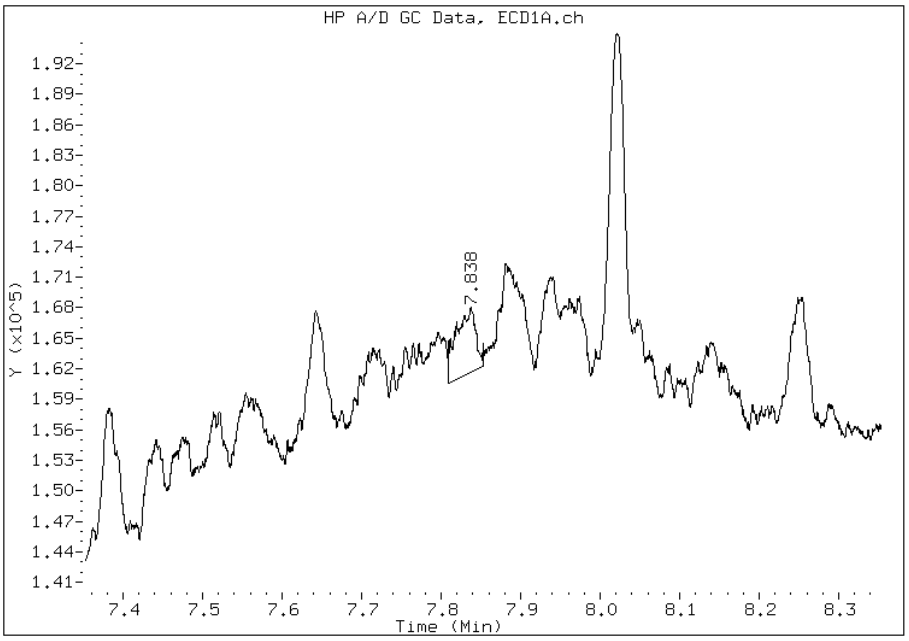
Manual Integration Results

RT: 7.84

Response: 6431

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 08:42
Manual Integration Reason: Baseline Event

FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Matrix: Water
Lab File ID: BQ0313000993.D
Analysis Method: 608
Date Collected: 03/20/2013 06:30
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 980(mL)
Date Analyzed: 03/26/2013 21:03
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.0013	0.00085
319-85-7	beta-BHC	ND		0.0013	0.0010
319-86-8	delta-BHC	0.00078	J p	0.0013	0.00039
50-29-3	4,4'-DDT	0.0019		0.0013	0.00076
76-44-8	Heptachlor	0.0014		0.0013	0.0010
72-43-5	Methoxychlor	ND		0.0026	0.00093

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	70		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000993.D
Report Date: 27-Mar-2013 09:01

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000993.D
Lab Smp Id: 460-52642-F-1-A Client Smp ID: INFLUENT
Inj Date : 26-MAR-2013 21:03
Operator : 402331 Inst ID: gc15.i
Smp Info : 460-52642-f-1-a,2013.b
Misc Info : 460-52642-F-1-A
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:58 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.594	4.594	0.000	241439	0.01523	0.01523(aRM)
6 alpha-BHC	5.036	5.060	-0.024	113552	0.00870	0.008702(aM)
7 gamma-BHC (Lindane)	5.379	5.361	0.018	43191	0.00319	0.003188(aM)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	Compound Not Detected.					
11 Heptachlor	5.695	5.677	0.018	14414	0.00133	0.001327(aM)
13 delta-BHC	5.827	5.833	-0.006	9846	0.00076	0.0007603(aM)
17 Aldrin	Compound Not Detected.					
21 Heptachlor epoxide	6.373	6.397	-0.024	6229	2e-004	0.0002228(aM)
24 gamma-Chlordane	6.639	6.625	0.014	6580	5e-004	0.0005312(aM)
25 alpha-Chlordane	6.683	6.685	-0.002	9551	8e-004	0.0007835(aM)
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	6.838	6.832	0.006	6976	8e-006	0.000007717(aM)
28 Dieldrin	6.984	6.999	-0.015	17332	0.00145	0.001454(aM)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.288	7.267	0.021	3707		(aM)
30 4,4'-DDD	7.345	7.355	-0.010	10097	8e-004	0.0007587(aM)
32 Endosulfan II	7.565	7.537	0.028	2779		(aM)
33 4,4'-DDT	7.616	7.600	0.016	6226	0.00191	0.001910(aM)
34 Endrin aldehyde	7.681	7.706	-0.025	6690	6e-004	0.0006308(aM)
35 Endosulfan sulfate	Compound Not Detected.					
36 Methoxychlor	Compound Not Detected.					
38 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	9.986	9.985	0.001	75346	0.01401	0.01400

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000993.D
Report Date: 27-Mar-2013 09:01

QC Flag Legend

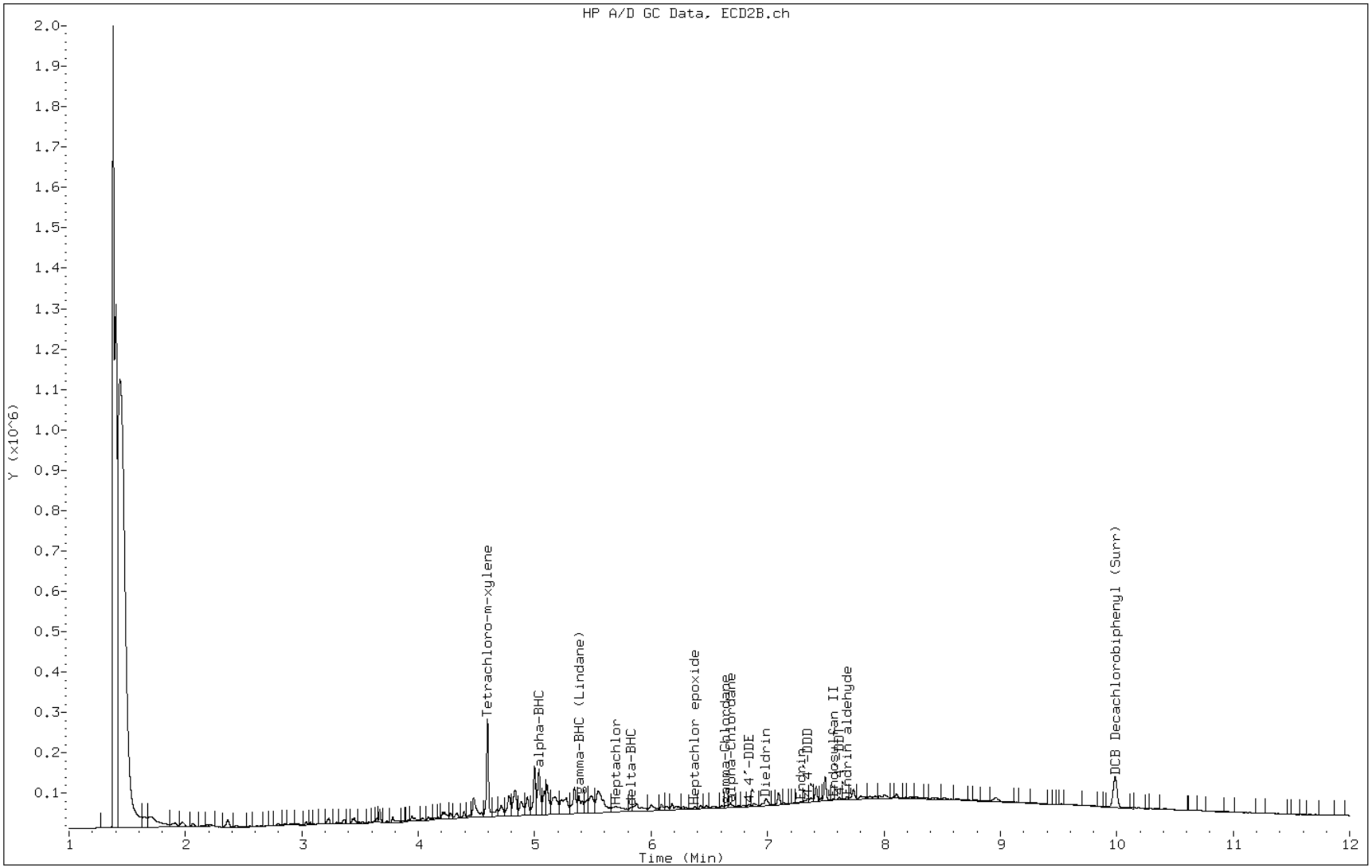
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: BQ0313000993.D

Date: 26-MAR-2013 21:03

Client ID: INFLUENT Instrument: gc15.i

Sample Info: 460-52642-f-1-a,2013.b Operator: 402331



Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 6 alpha-BHC
CAS #: 319-84-6
Report Date: 03/27/2013

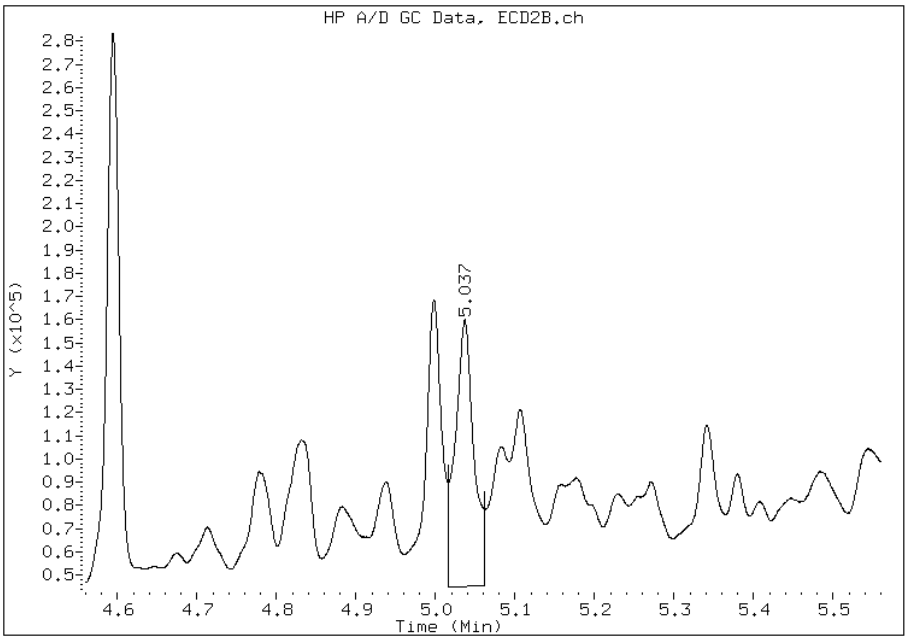
Processing Integration Results

RT: 5.04

Response: 115375

Amount: 0.01

Conc: 0.01



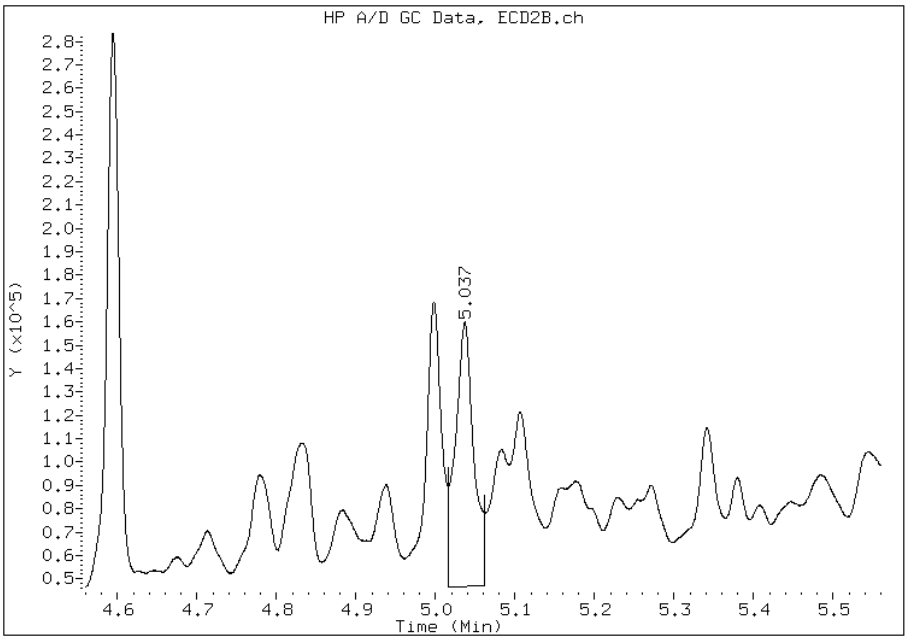
Manual Integration Results

RT: 5.04

Response: 113552

Amount: 0.01

Conc: 0.01



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 7 gamma-BHC (Lindane)
CAS #: 58-89-9
Report Date: 03/27/2013

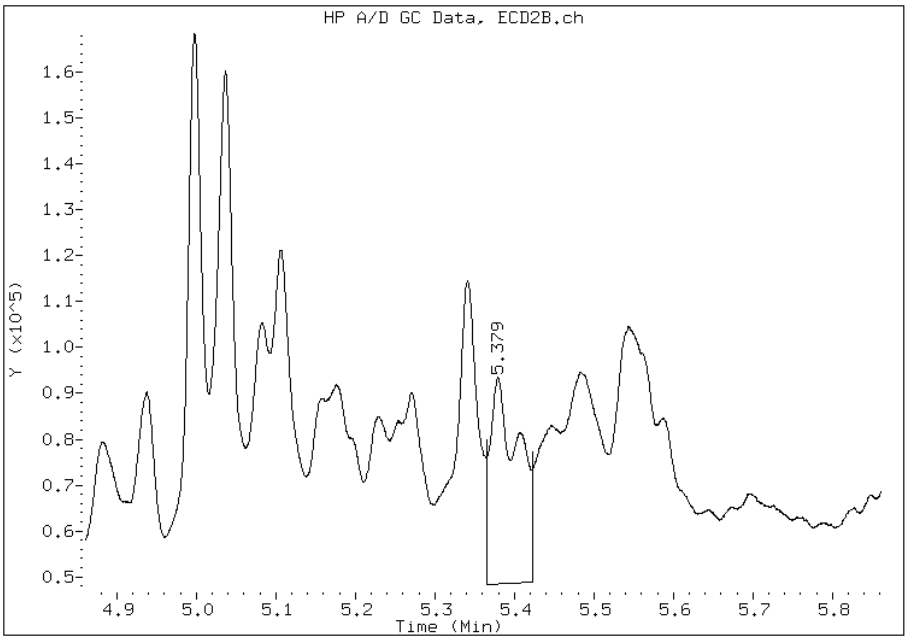
Processing Integration Results

RT: 5.38

Response: 45160

Amount: 0.00

Conc: 0.00



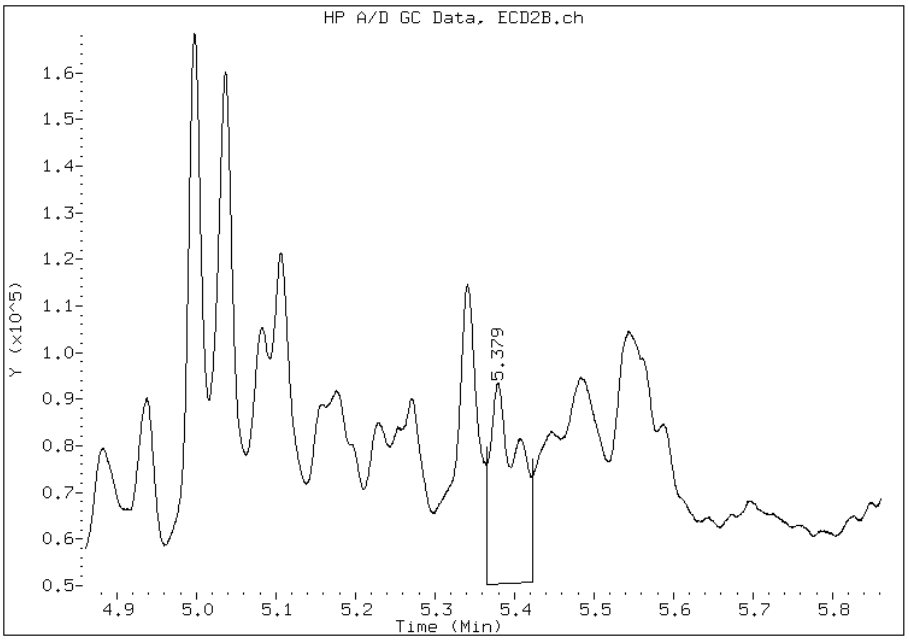
Manual Integration Results

RT: 5.38

Response: 43191

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 13 delta-BHC
CAS #: 319-86-8
Report Date: 03/27/2013

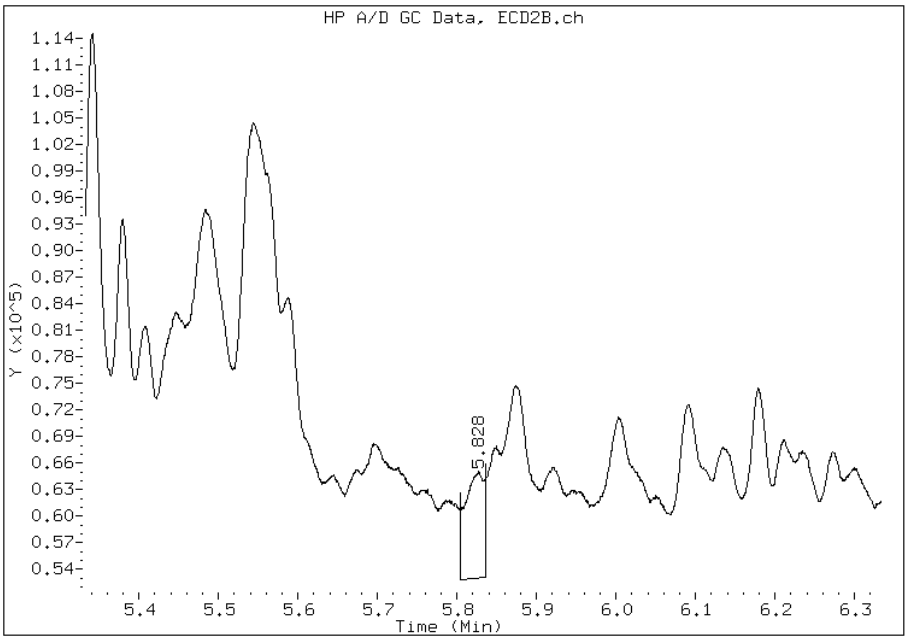
Processing Integration Results

RT: 5.83

Response: 12005

Amount: 0.00

Conc: 0.00



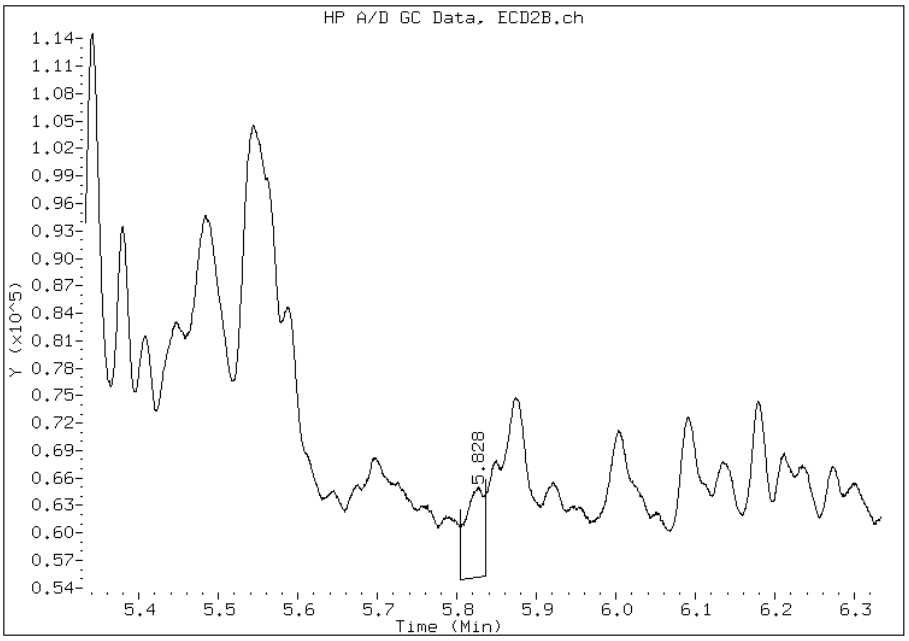
Manual Integration Results

RT: 5.83

Response: 9846

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 30 4,4'-DDD
CAS #: 72-54-8
Report Date: 03/27/2013

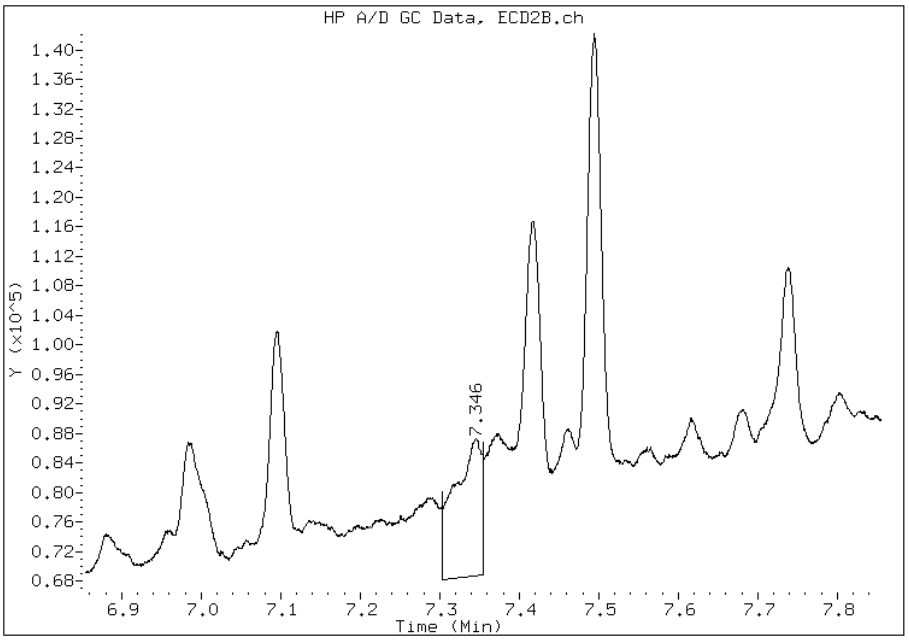
Processing Integration Results

RT: 7.35

Response: 18622

Amount: 0.00

Conc: 0.00



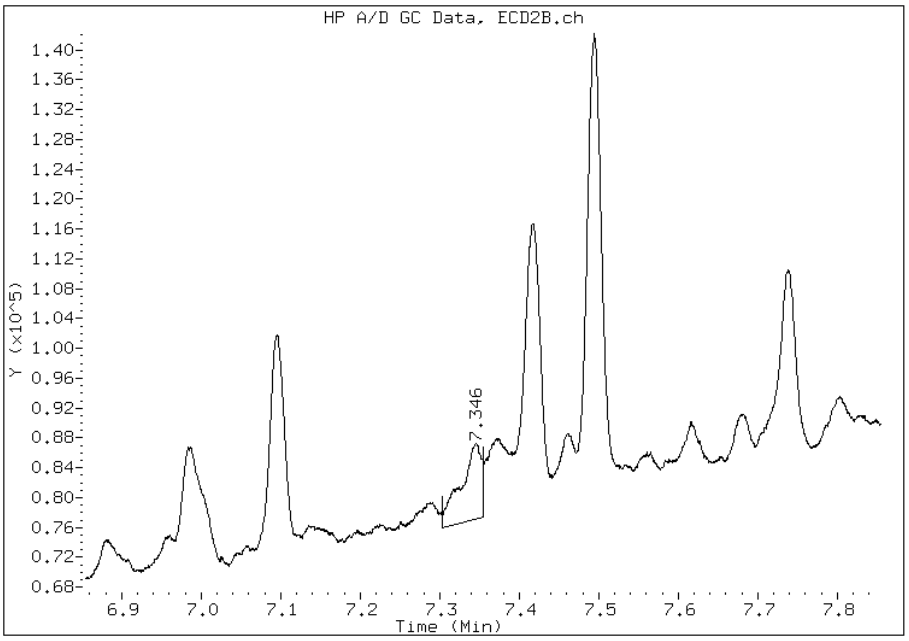
Manual Integration Results

RT: 7.35

Response: 10097

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 27 4,4'-DDE
CAS #: 72-55-9
Report Date: 03/27/2013

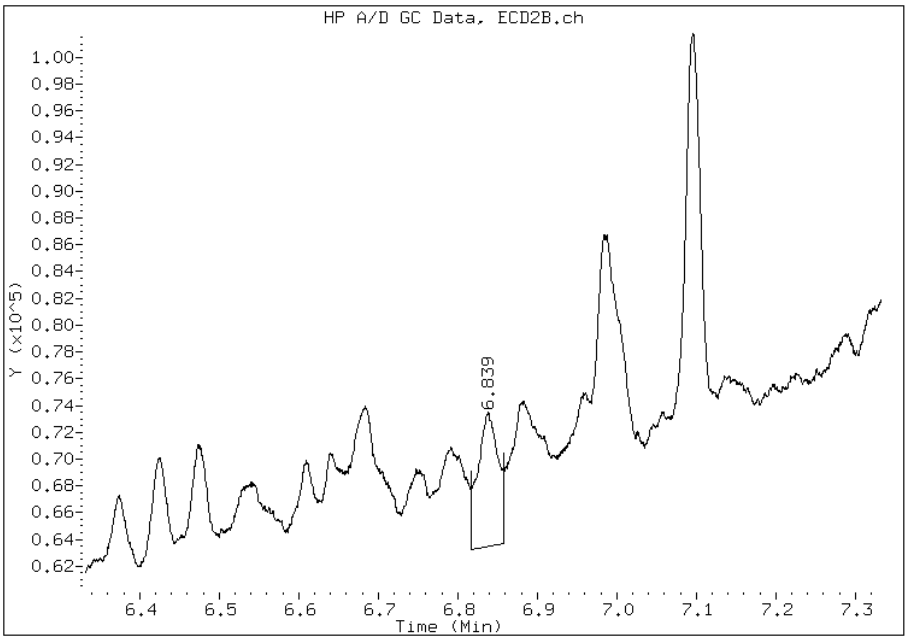
Processing Integration Results

RT: 6.84

Response: 10056

Amount: 0.00

Conc: 0.00



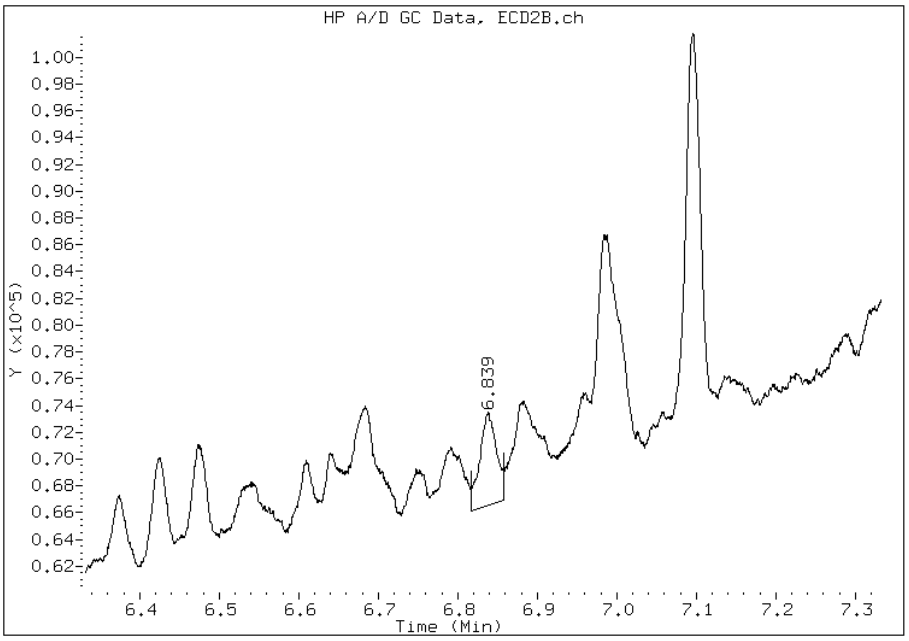
Manual Integration Results

RT: 6.84

Response: 6976

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 33 4,4'-DDT
CAS #: 50-29-3
Report Date: 03/27/2013

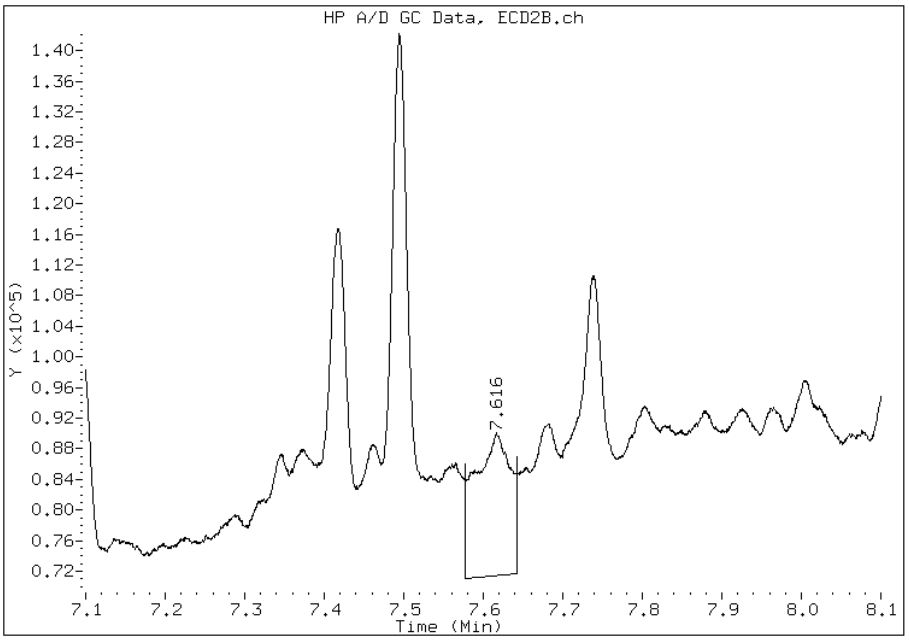
Processing Integration Results

RT: 7.62

Response: 18679

Amount: 0.00

Conc: 0.00



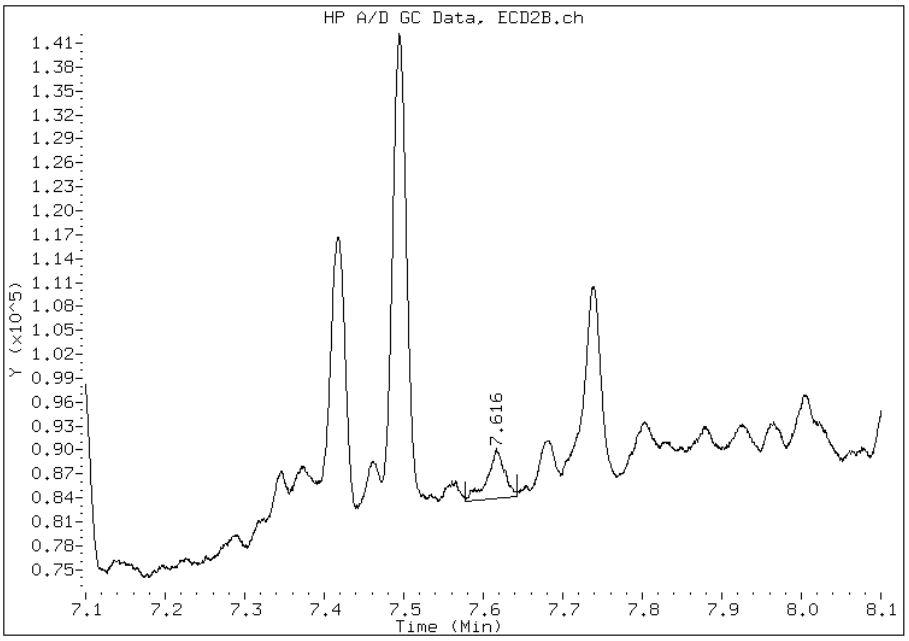
Manual Integration Results

RT: 7.62

Response: 6226

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 28 Dieldrin
CAS #: 60-57-1
Report Date: 03/27/2013

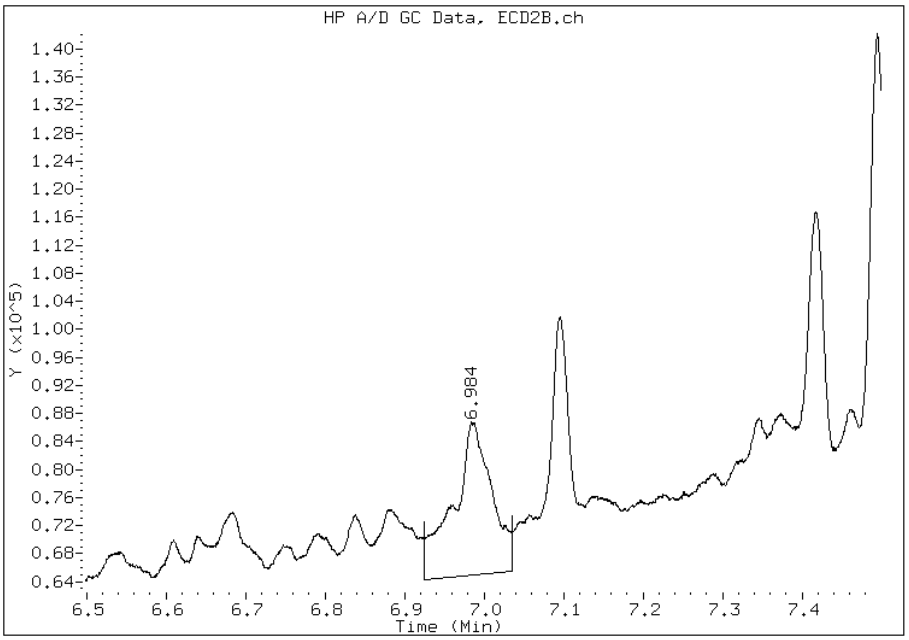
Processing Integration Results

RT: 6.98

Response: 21782

Amount: 0.00

Conc: 0.00



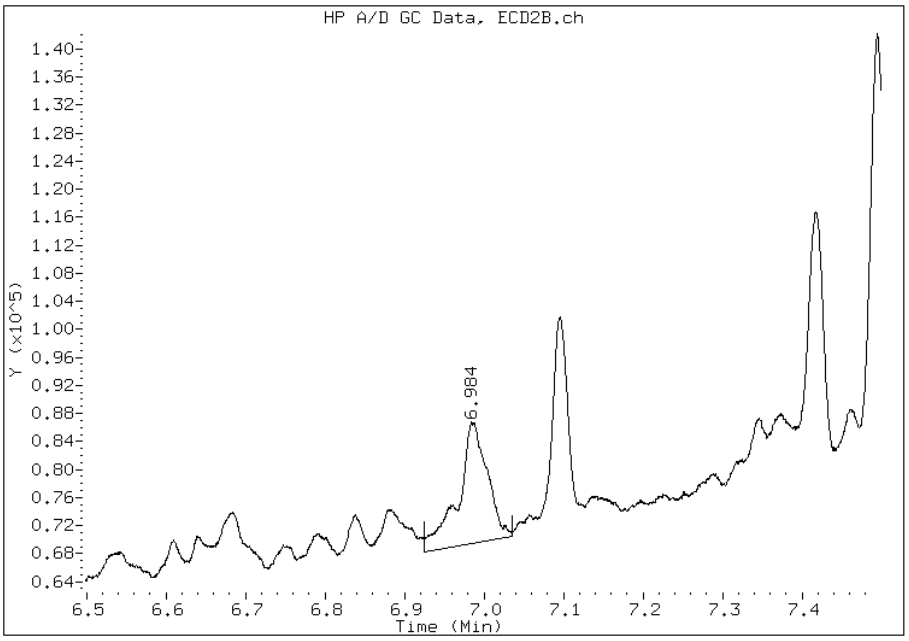
Manual Integration Results

RT: 6.98

Response: 17332

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 32 Endosulfan II
CAS #: 33213-65-9
Report Date: 03/27/2013

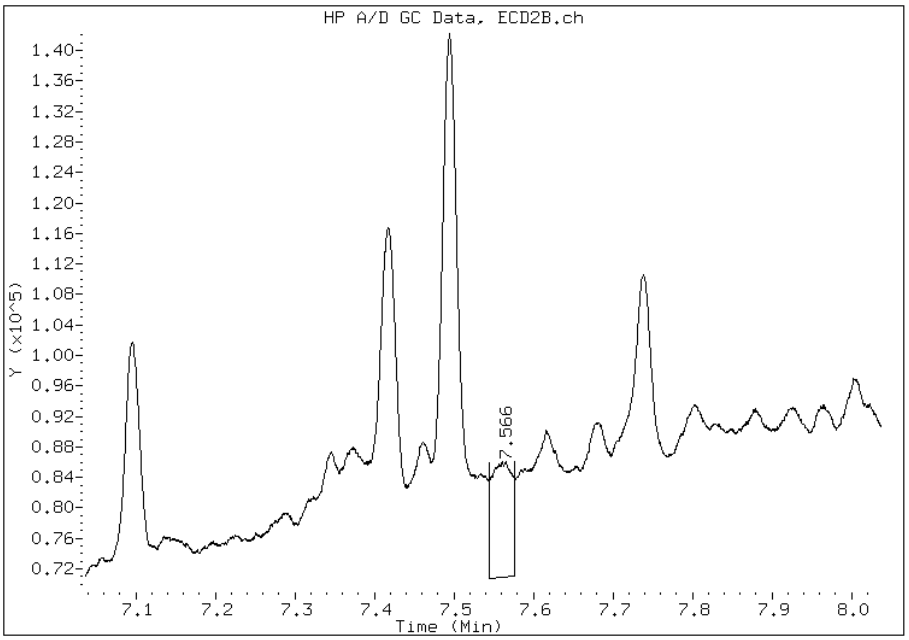
Processing Integration Results

RT: 7.57

Response: 15145

Amount: 0.00

Conc: 0.00



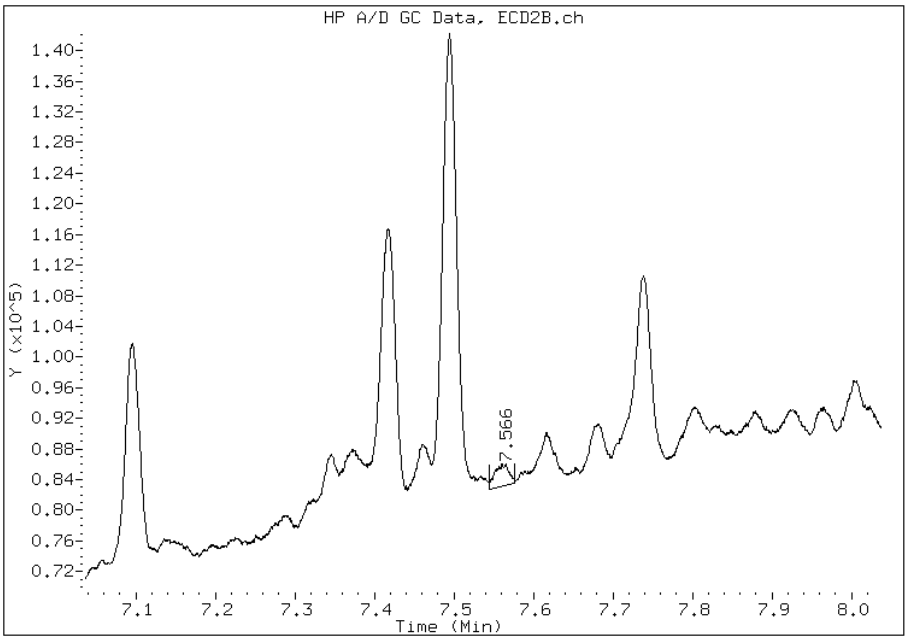
Manual Integration Results

RT: 7.57

Response: 2779

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 29 Endrin
CAS #: 72-20-8
Report Date: 03/27/2013

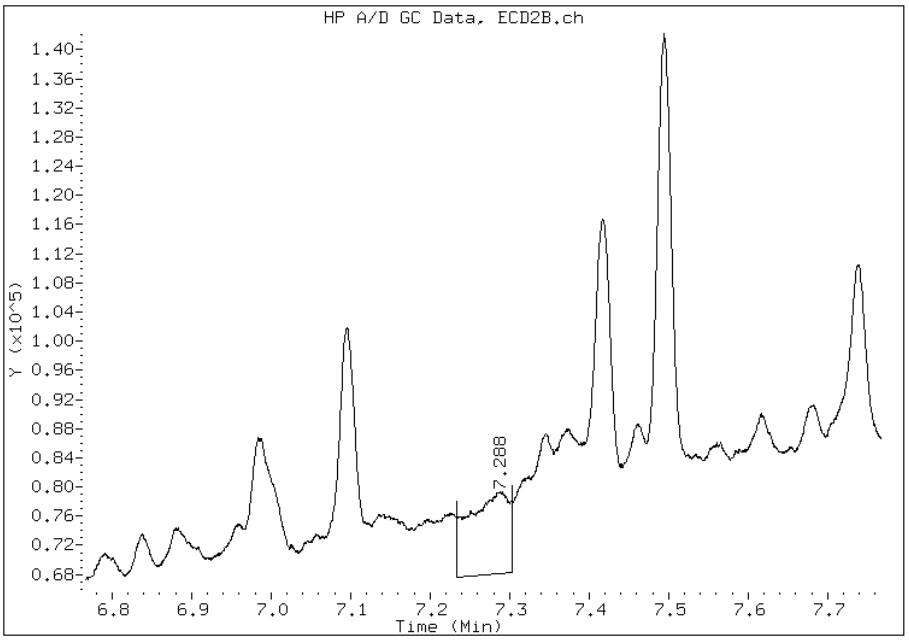
Processing Integration Results

RT: 7.29

Response: 11259

Amount: 0.00

Conc: 0.00



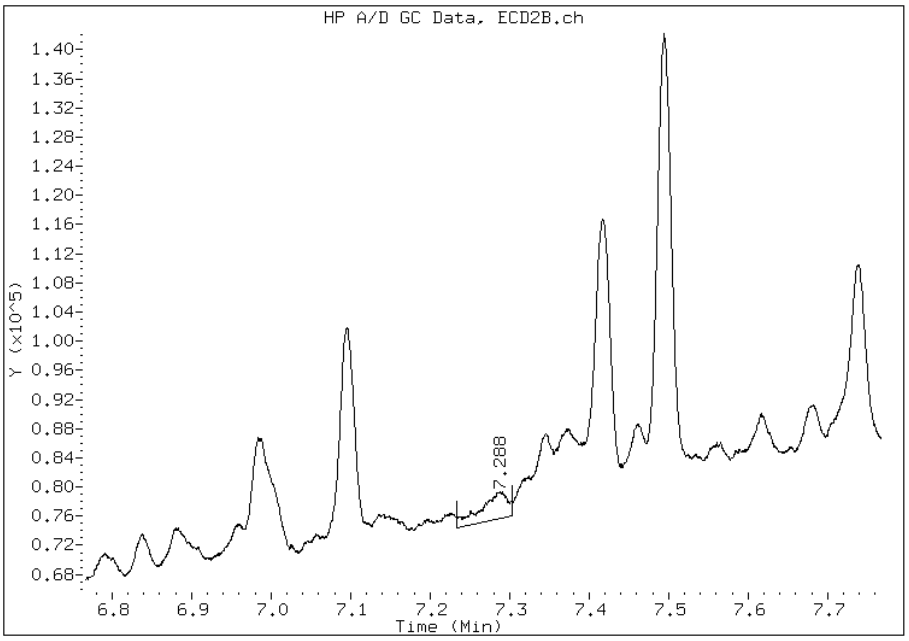
Manual Integration Results

RT: 7.29

Response: 3707

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 34 Endrin aldehyde
CAS #: 7421-93-4
Report Date: 03/27/2013

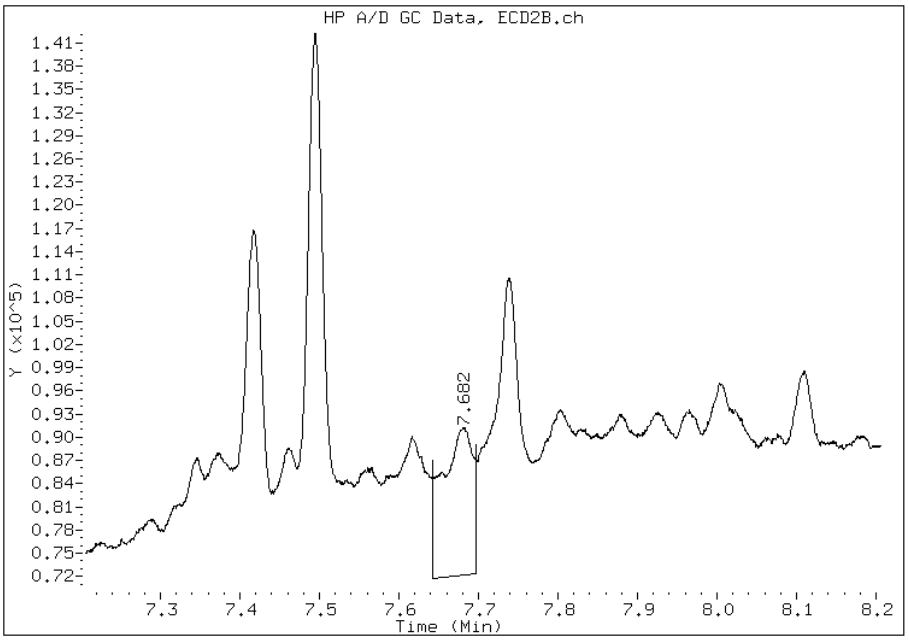
Processing Integration Results

RT: 7.68

Response: 19027

Amount: 0.00

Conc: 0.00



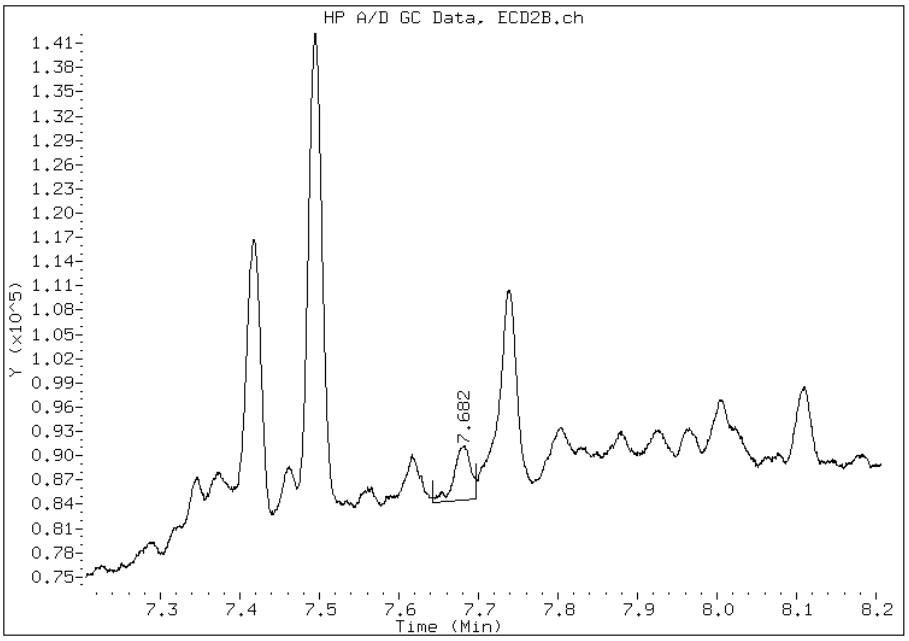
Manual Integration Results

RT: 7.68

Response: 6690

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 11 Heptachlor
CAS #: 76-44-8
Report Date: 03/27/2013

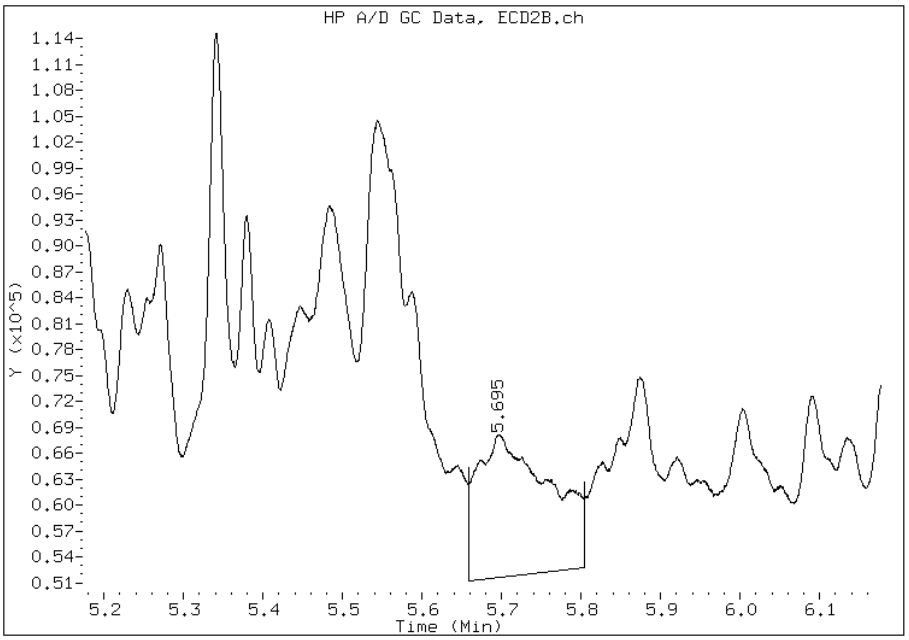
Processing Integration Results

RT: 5.70

Response: 16517

Amount: 0.00

Conc: 0.00



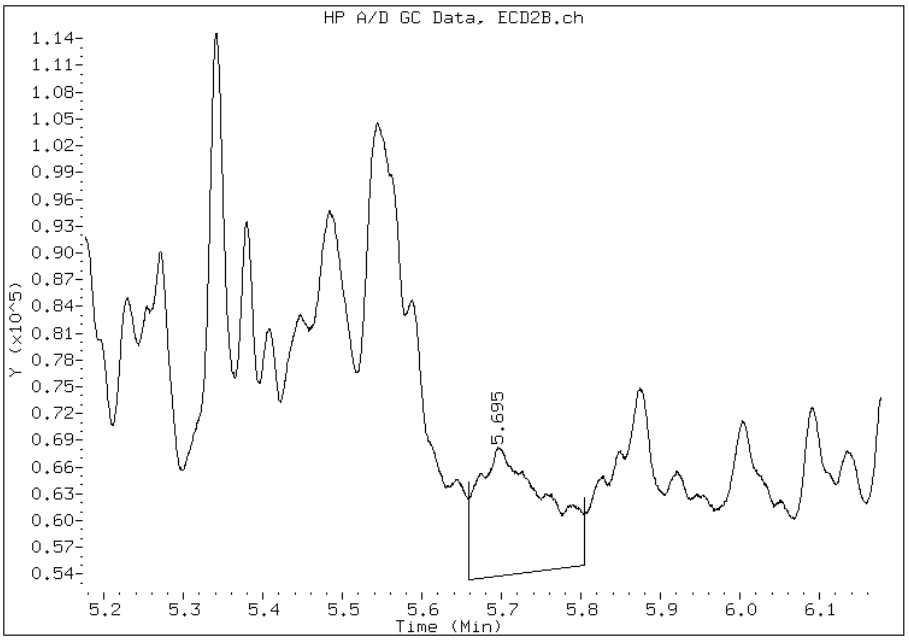
Manual Integration Results

RT: 5.70

Response: 14414

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 21 Heptachlor epoxide
CAS #: 1024-57-3
Report Date: 03/27/2013

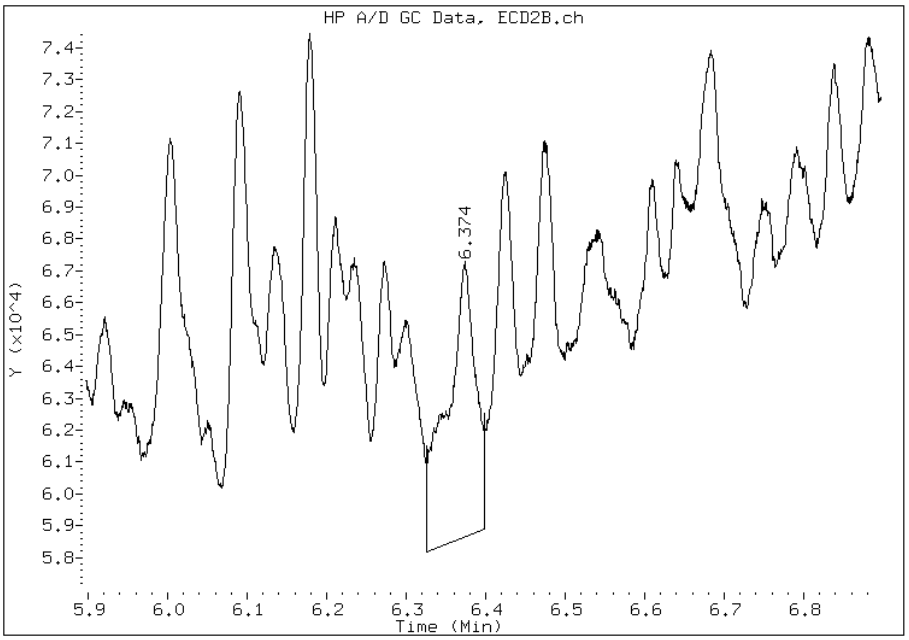
Processing Integration Results

RT: 6.37

Response: 8620

Amount: 0.00

Conc: 0.00



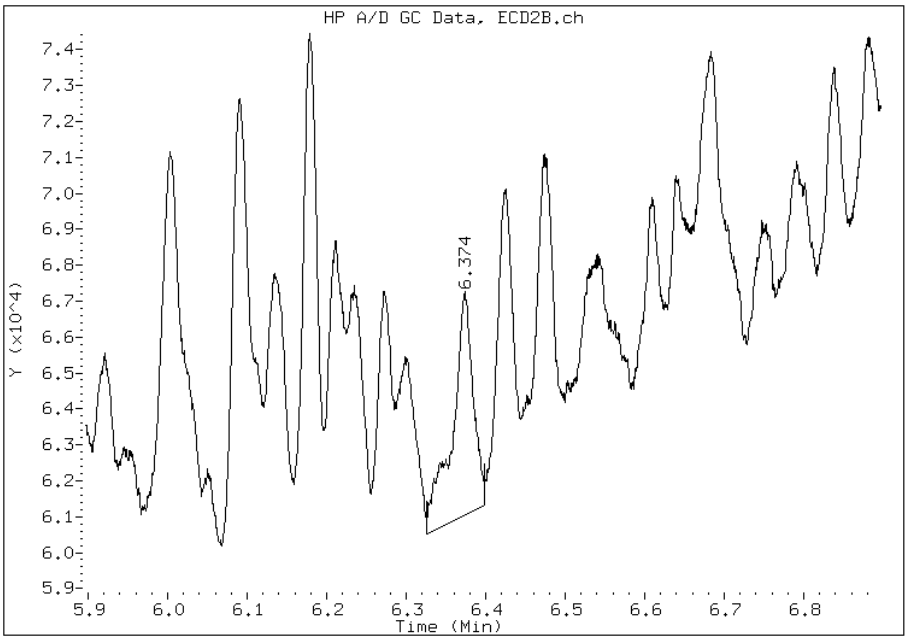
Manual Integration Results

RT: 6.37

Response: 6229

Amount: 0.00

Conc: 0.00



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: BQ0313000993.D
Inj. Date and Time: 26-MAR-2013 21:03
Instrument ID: gc15.i
Client ID: INFLUENT
Compound: 4 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 03/27/2013

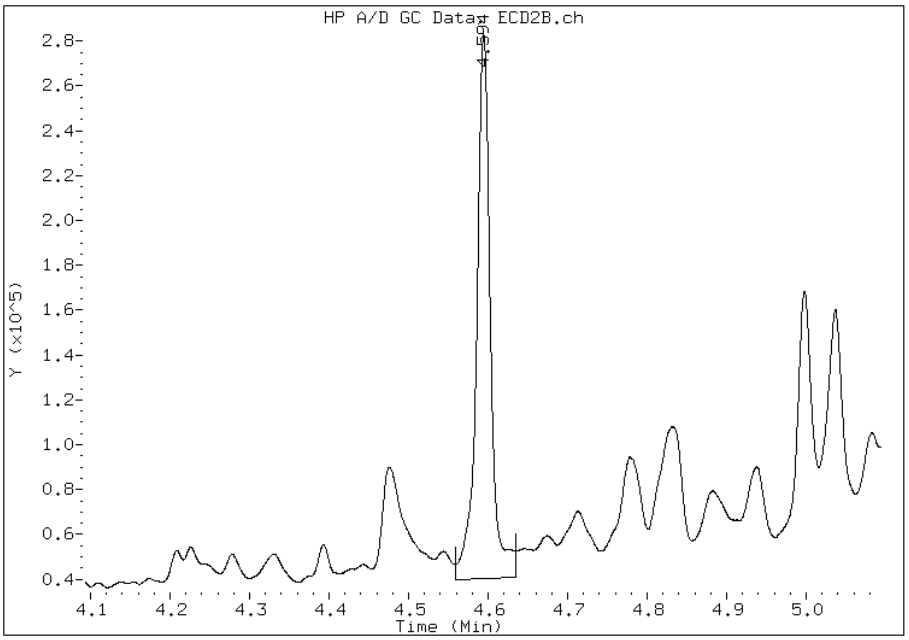
Processing Integration Results

RT: 4.59

Response: 243073

Amount: 0.02

Conc: 0.02



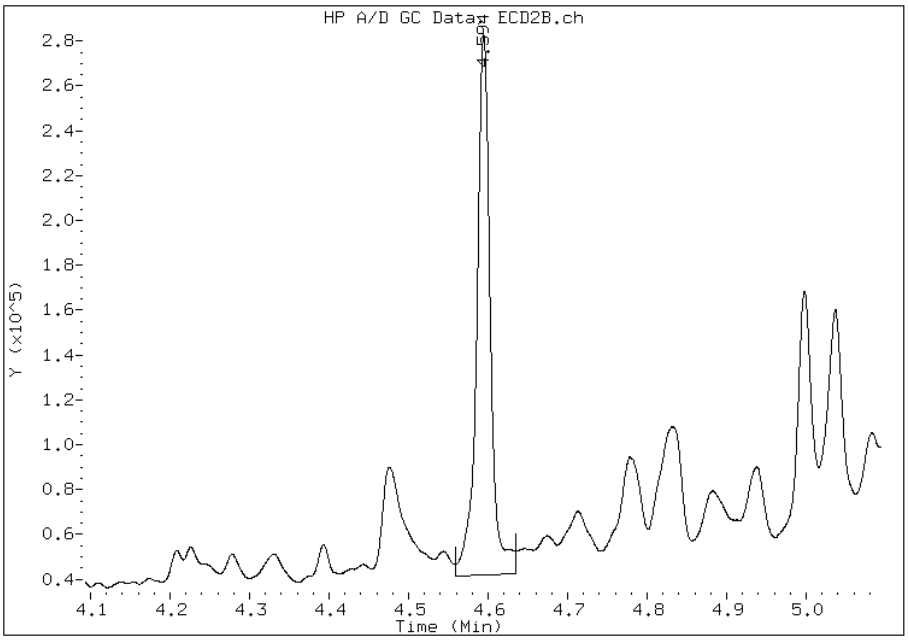
Manual Integration Results

RT: 4.59

Response: 241439

Amount: 0.02

Conc: 0.02



Manually Integrated By: waclaskil
Modification Date: 27-Mar-2013 09:00
Manual Integration Reason: Baseline Event

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8802

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	AQ0313000603.D
Level 2	IC 180-66746/5	AQ0313000604.D
Level 3	IC 180-66746/6	AQ0313000605.D
Level 4	IC 180-66746/7	AQ0313000606.D
Level 5	IC 180-66746/8	AQ0313000607.D
Level 6	IC 180-66746/9	AQ0313000608.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Mirex	8.360	8.361	8.362	8.362	8.360	8.361					8.332 - 8.392	8.361

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8802

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	AQ0313000603.D
Level 2	IC 180-66746/5	AQ0313000604.D
Level 3	IC 180-66746/6	AQ0313000605.D
Level 4	IC 180-66746/7	AQ0313000606.D
Level 5	IC 180-66746/8	AQ0313000607.D
Level 6	IC 180-66746/9	AQ0313000608.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Mirex	4499000 4605610	4531800 4644030	4015920	3960560	Qua	0.00124061	2.2842 E-007	-1.61583 E-014					10.0	0.9989		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8802

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	AQ0313000603.D
Level 2	IC 180-66746/5	AQ0313000604.D
Level 3	IC 180-66746/6	AQ0313000605.D
Level 4	IC 180-66746/7	AQ0313000606.D
Level 5	IC 180-66746/8	AQ0313000607.D
Level 6	IC 180-66746/9	AQ0313000608.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Mirex	Qua	4499 928806	22659	100398	198028	460561	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:

Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8806

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	BQ0313000603.D
Level 2	IC 180-66746/5	BQ0313000604.D
Level 3	IC 180-66746/6	BQ0313000605.D
Level 4	IC 180-66746/7	BQ0313000606.D
Level 5	IC 180-66746/8	BQ0313000607.D
Level 6	IC 180-66746/9	BQ0313000608.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Mirex	8.643	8.644	8.644	8.645	8.644	8.645					8.614 - 8.674	8.644

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8806

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	BQ0313000603.D
Level 2	IC 180-66746/5	BQ0313000604.D
Level 3	IC 180-66746/6	BQ0313000605.D
Level 4	IC 180-66746/7	BQ0313000606.D
Level 5	IC 180-66746/8	BQ0313000607.D
Level 6	IC 180-66746/9	BQ0313000608.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Mirex	2958000 3213630	3053200 3254040	2774080	2702280	Qua	0.00146530	3.29297 E-007	-3.86373 E-014					10.0	0.9987		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66746

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2013 11:01 Calibration End Date: 03/19/2013 12:19 Calibration ID: 8806

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66746/4	BQ0313000603.D
Level 2	IC 180-66746/5	BQ0313000604.D
Level 3	IC 180-66746/6	BQ0313000605.D
Level 4	IC 180-66746/7	BQ0313000606.D
Level 5	IC 180-66746/8	BQ0313000607.D
Level 6	IC 180-66746/9	BQ0313000608.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Mirex	Qua	2958 650808	15266	69352	135114	321363	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:

Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8914

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	AQ0313000966.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	6.950										6.920 - 6.980	6.950
Toxaphene Peak 2	7.209										7.179 - 7.239	7.209
Toxaphene Peak 3	7.435										7.405 - 7.465	7.435
Toxaphene Peak 4	7.895										7.865 - 7.925	7.895
Tetrachloro-m-xylene	4.516										4.486 - 4.546	4.516
DCB Decachlorobiphenyl (Surr)	9.556										9.507 - 9.607	9.556

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8914

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	AQ0313000966.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	205889				Ave		205889.000						10.0			
Toxaphene Peak 2	278942				Ave		278942.000						10.0			
Toxaphene Peak 3	393334				Ave		393334.000						10.0			
Toxaphene Peak 4	383625				Ave		383625.000						10.0			
Tetrachloro-m-xylene	17696840				Ave		19085391.7				5.8		10.0			
DCB Decachlorobiphenyl	6494520				Qua	--0.0003302	1.42575 E-007	9.10999 E-015					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8914

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	AQ0313000966.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	205889					1.00				
Toxaphene Peak 2	Ave	278942					1.00				
Toxaphene Peak 3	Ave	393334					1.00				
Toxaphene Peak 4	Ave	383625					1.00				
Tetrachloro-m-xylene	Ave	442421					0.0250				
DCB Decachlorobiphenyl (Surr)	Qua	162363					0.0250				

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	BQ0313000966.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	6.947										6.917 - 6.977	6.947
Toxaphene Peak 2	7.536										7.506 - 7.566	7.536
Toxaphene Peak 3	7.817										7.787 - 7.847	7.817
Toxaphene Peak 4	8.337										8.307 - 8.367	8.337
Tetrachloro-m-xylene	4.594										4.564 - 4.624	4.594
DCB Decachlorobiphenyl (Surr)	9.987										9.955 - 10.015	9.987

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	BQ0313000966.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	101116				Ave		101116.000						10.0			
Toxaphene Peak 2	202489				Ave		202489.000						10.0			
Toxaphene Peak 3	280114				Ave		280114.000						10.0			
Toxaphene Peak 4	201568				Ave		201568.000						10.0			
Tetrachloro-m-xylene	15106720				Ave		15853081.7				8.8		10.0			
DCB Decachlorobiphenyl	4925680				Qua	--0.000292	1.87761 E-007	2.64658 E-014					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:04 Calibration End Date: 03/26/2013 14:04 Calibration ID: 8917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/2	BQ0313000966.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	101116					1.00				
Toxaphene Peak 2	Ave	202489					1.00				
Toxaphene Peak 3	Ave	280114					1.00				
Toxaphene Peak 4	Ave	201568					1.00				
Tetrachloro-m-xylene	Ave	377668					0.0250				
DCB Decachlorobiphenyl (Surr)	Qua	123142					0.0250				

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	AQ0313000967.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Chlordane (technical) Peak 1	5.429										5.399 - 5.459	5.429
Chlordane (technical) Peak 2	5.602										5.572 - 5.632	5.602
Chlordane (technical) Peak 3	6.454										6.424 - 6.484	6.454
Chlordane (technical) Peak 4	6.524										6.494 - 6.554	6.524
Tetrachloro-m-xylene	4.517										4.486 - 4.546	4.517
DCB Decachlorobiphenyl (Surr)	9.556										9.507 - 9.607	9.556

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	AQ0313000967.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Chlordane (technical) Peak	620140				Ave		620140.000						10.0			
Chlordane (technical) Peak	748504				Ave		748504.000						10.0			
Chlordane (technical) Peak	2026328				Ave		2026328.00						10.0			
Chlordane (technical) Peak	2108416				Ave		2108416.00						10.0			
Tetrachloro-m-xylene	17766440				Ave		19085391.7				5.8		10.0			
DCB Decachlorobiphenyl	6519440				Qua	--0.0003302	1.42575 E-007	9.10999 E-015					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	AQ0313000967.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Chlordane (technical) Peak 1	Ave	155035					0.250				
Chlordane (technical) Peak 2	Ave	187126					0.250				
Chlordane (technical) Peak 3	Ave	506582					0.250				
Chlordane (technical) Peak 4	Ave	527104					0.250				
Tetrachloro-m-xylene	Ave	444161					0.0250				
DCB Decachlorobiphenyl (Surr)	Qua	162986					0.0250				

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8918

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	BQ0313000967.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Chlordane (technical) Peak 1	5.519										5.489 - 5.549	5.519
Chlordane (technical) Peak 2	5.678										5.648 - 5.708	5.678
Chlordane (technical) Peak 3	6.627										6.597 - 6.657	6.627
Chlordane (technical) Peak 4	6.686										6.656 - 6.716	6.686
Tetrachloro-m-xylene	4.594										4.564 - 4.624	4.594
DCB Decachlorobiphenyl (Surr)	9.986										9.955 - 10.015	9.986

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8918

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	BQ0313000967.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Chlordane (technical) Peak	488892				Ave		488892.000						10.0			
Chlordane (technical) Peak	496128				Ave		496128.000						10.0			
Chlordane (technical) Peak	1455464				Ave		1455464.00						10.0			
Chlordane (technical) Peak	1137532				Ave		1137532.00						10.0			
Tetrachloro-m-xylene	15071480				Ave		15853081.7				8.8		10.0			
DCB Decachlorobiphenyl	4800880				Qua	--0.000292	1.87761 E-007	2.64658 E-014					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:19 Calibration End Date: 03/26/2013 14:19 Calibration ID: 8918

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/3	BQ0313000967.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Chlordane (technical) Peak 1	Ave	122223					0.250				
Chlordane (technical) Peak 2	Ave	124032					0.250				
Chlordane (technical) Peak 3	Ave	363866					0.250				
Chlordane (technical) Peak 4	Ave	284383					0.250				
Tetrachloro-m-xylene	Ave	376787					0.0250				
DCB Decachlorobiphenyl (Surr)	Qua	120022					0.0250				

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	AQ0313000968.D
Level 2	IC 180-67462/5	AQ0313000969.D
Level 3	ICRT 180-67462/6	AQ0313000970.D
Level 4	IC 180-67462/7	AQ0313000971.D
Level 5	IC 180-67462/8	AQ0313000972.D
Level 6	IC 180-67462/9	AQ0313000973.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.875	4.875	4.875	4.875	4.875	4.876					4.845 - 4.905	4.875
gamma-BHC (Lindane)	5.135	5.136	5.135	5.136	5.136	5.136					5.105 - 5.165	5.136
beta-BHC	5.296	5.297	5.296	5.297	5.297	5.297					5.266 - 5.326	5.297
delta-BHC	5.490	5.490	5.491	5.491	5.492	5.491					5.461 - 5.521	5.491
Heptachlor	5.601	5.602	5.602	5.602	5.602	5.602					5.572 - 5.632	5.602
Aldrin	5.878	5.878	5.878	5.879	5.879	5.879					5.848 - 5.908	5.879
Heptachlor epoxide	6.236	6.235	6.236	6.237	6.236	6.236					6.206 - 6.266	6.236
gamma-Chlordane	6.453	6.453	6.453	6.454	6.453	6.454					6.423 - 6.483	6.453
alpha-Chlordane	6.520	6.520	6.520	6.521	6.521	6.521					6.490 - 6.550	6.521
Endosulfan I	6.562	6.562	6.562	6.562	6.563	6.563					6.532 - 6.592	6.562
4,4'-DDE	6.676	6.677	6.677	6.678	6.678	6.677					6.647 - 6.707	6.677
Dieldrin	6.800	6.800	6.801	6.801	6.801	6.801					6.771 - 6.831	6.801
Endrin	7.000	6.999	6.999	7.001	7.001	7.001					6.969 - 7.029	7.000
4,4'-DDD	7.132	7.132	7.133	7.134	7.133	7.133					7.103 - 7.163	7.133
Endosulfan II	7.197	7.197	7.197	7.198	7.198	7.197					7.167 - 7.227	7.197
Endrin aldehyde	7.314	7.313	7.314	7.314	7.316	7.314					7.284 - 7.344	7.314
4,4'-DDT	7.413	7.412	7.412	7.413	7.413	7.413					7.382 - 7.442	7.413
Endosulfan sulfate	7.523	7.523	7.524	7.524	7.525	7.524					7.494 - 7.554	7.524
Methoxychlor	7.853	7.853	7.853	7.853	7.854	7.853					7.823 - 7.883	7.853
Endrin ketone	7.958	7.957	7.957	7.959	7.959	7.958					7.927 - 7.987	7.958
Tetrachloro-m-xylene	4.516	4.516	4.516	4.517	4.516	4.517					4.486 - 4.546	4.516
DCB Decachlorobiphenyl (Surr)	9.556	9.555	9.557	9.557	9.558	9.556					9.507 - 9.607	9.557

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	AQ0313000968.D
Level 2	IC 180-67462/5	AQ0313000969.D
Level 3	ICRT 180-67462/6	AQ0313000970.D
Level 4	IC 180-67462/7	AQ0313000971.D
Level 5	IC 180-67462/8	AQ0313000972.D
Level 6	IC 180-67462/9	AQ0313000973.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	21766000 21342740	20866800 20955265	21768000	21051700	Ave		21291750.8				1.9		10.0			
gamma-BHC (Lindane)	20726000 19575740	19308200 19354495	19767560	19096240	Ave		19638039.2				3.0		10.0			
beta-BHC	11480000 8927680	9553200 8728130	9250120	8926820	Qua	--0.000293 5	1.10388 E-007	2.48207 E-015					10.0	1.0000		0.9900
delta-BHC	21478000 19088870	19063600 19315665	19065600	19694440	Ave		19617695.8				4.8		10.0			
Heptachlor	18146000 15346270	15657600 14590895	16413240	15523420	Ave		15946237.5				7.7		10.0			
Aldrin	18584000 16935080	17245800 16106235	17992880	17197540	Ave		17343589.2				5.0		10.0			
Heptachlor epoxide	17348000 14553740	15223400 13631325	15496600	14749600	Ave		15167110.8				8.2		10.0			
gamma-Chlordane	17412000 15214340	15084600 14985630	15920360	15558380	Ave		15695885.0				5.8		10.0			
alpha-Chlordane	16982000 14377950	15040000 14279690	15461200	14953560	Ave		15182400.0				6.5		10.0			
Endosulfan I	15946000 13377250	13651000 12857110	14153360	13323180	Ave		13884650.0				7.9		10.0			
4,4'-DDE	17501000 15507040	15489200 15147390	16536800	15715020	Qua	--0.000248 1	6.28145 E-008	1.0905 E-015					10.0	1.0000		0.9900
Dieldrin	18078000 14771120	14903200 13856025	15616320	14579620	Ave		15300714.2				9.6		10.0			
Endrin	14546000 12211770	12774000 11732200	13155960	12713460	Qua	--0.000318 4	7.76675 E-008	3.30286 E-015					10.0	1.0000		0.9900
4,4'-DDD	14223000 11950310	12247800 11833485	12273040	11941980	Qua	--0.000211 1	8.323 E-008	5.75854 E-016					10.0	1.0000		0.9900
Endosulfan II	15328000 12272030	12449600 11787160	12908480	12541020	Ave		12881048.3				9.7		10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8916

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Endrin aldehyde	11988000 9175100	9490400 9052445	9814560	9284500	Qua	--0.000504 3	1.07611 E-007	1.75252 E-015					10.0	1.0000		0.9900
4,4'-DDT	6793000 8335730	6586800 8304550	7977960	7968360	Qua	0.0008969	1.20282 E-007	-3.04577 E-016					10.0	0.9999		0.9900
Endosulfan sulfate	13814000 11110750	11460800 10705125	11336680	11244880	Ave		11612039.2				9.6		10.0			
Methoxychlor	5162000 4517010	4602600 4377530	4596120	4365720	Ave		4603496.67				6.3		10.0			
Endrin ketone	9822000 8536830	8777400 8341095	8819640	8673020	Qua	--0.000150 4	1.14243 E-007	3.44612 E-015					10.0	1.0000		0.9900
Tetrachloro-m-xylene	21072000 18318800	19061600 17898550	19397160	18764240	Ave		19085391.7				5.8		10.0			
DCB Decachlorobiphenyl (Surr)	9954000 6769660	7794200 6485430	6948120	6862980	Qua	--0.000330 2	1.42575 E-007	9.10999 E-015					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	AQ0313000968.D
Level 2	IC 180-67462/5	AQ0313000969.D
Level 3	ICRT 180-67462/6	AQ0313000970.D
Level 4	IC 180-67462/7	AQ0313000971.D
Level 5	IC 180-67462/8	AQ0313000972.D
Level 6	IC 180-67462/9	AQ0313000973.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	21766 4191053	104334	544200	1052585	2134274	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	20726 3870899	96541	494189	954812	1957574	0.00100 0.200	0.00500	0.0250	0.0500	0.100
beta-BHC	Qua	11480 1745626	47766	231253	446341	892768	0.00100 0.200	0.00500	0.0250	0.0500	0.100
delta-BHC	Ave	21478 3863133	95318	476640	984722	1908887	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor	Ave	18146 2918179	78288	410331	776171	1534627	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Aldrin	Ave	18584 3221247	86229	449822	859877	1693508	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	17348 2726265	76117	387415	737480	1455374	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-Chlordane	Ave	17412 2997126	75423	398009	777919	1521434	0.00100 0.200	0.00500	0.0250	0.0500	0.100
alpha-Chlordane	Ave	16982 2855938	75200	386530	747678	1437795	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan I	Ave	15946 2571422	68255	353834	666159	1337725	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDE	Qua	17501 3029478	77446	413420	785751	1550704	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Dieldrin	Ave	18078 2771205	74516	390408	728981	1477112	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin	Qua	14546 2346440	63870	328899	635673	1221177	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDD	Qua	14223 2366697	61239	306826	597099	1195031	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan II	Ave	15328 2357432	62248	322712	627051	1227203	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin aldehyde	Qua	11988 1810489	47452	245364	464225	917510	0.00100 0.200	0.00500	0.0250	0.0500	0.100

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8916

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4,4'-DDT	Qua	6793 1660910	32934	199449	398418	833573	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	13814 2141025	57304	283417	562244	1111075	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Methoxychlor	Ave	5162 875506	23013	114903	218286	451701	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin ketone	Qua	9822 1668219	43887	220491	433651	853683	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	21072 3579710	95308	484929	938212	1831880	0.00100 0.200	0.00500	0.0250	0.0500	0.100
DCB Decachlorobiphenyl (Surr)	Qua	9954 1297086	38971	173703	343149	676966	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8919

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	BQ0313000968.D
Level 2	IC 180-67462/5	BQ0313000969.D
Level 3	ICRT 180-67462/6	BQ0313000970.D
Level 4	IC 180-67462/7	BQ0313000971.D
Level 5	IC 180-67462/8	BQ0313000972.D
Level 6	IC 180-67462/9	BQ0313000973.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	5.060	5.060	5.060	5.060	5.060	5.061					5.030 - 5.090	5.060
gamma-BHC (Lindane)	5.362	5.362	5.361	5.362	5.362	5.362					5.331 - 5.391	5.362
beta-BHC	5.607	5.607	5.607	5.607	5.607	5.607					5.577 - 5.637	5.607
Heptachlor	5.677	5.677	5.677	5.678	5.678	5.678					5.647 - 5.707	5.677
delta-BHC	5.834	5.834	5.833	5.834	5.834	5.834					5.803 - 5.863	5.834
Aldrin	5.944	5.943	5.943	5.943	5.944	5.944					5.913 - 5.973	5.943
Heptachlor epoxide	6.397	6.397	6.397	6.397	6.398	6.398					6.367 - 6.427	6.397
gamma-Chlordane	6.626	6.625	6.625	6.625	6.625	6.625					6.595 - 6.655	6.625
alpha-Chlordane	6.686	6.686	6.685	6.686	6.686	6.687					6.655 - 6.715	6.686
Endosulfan I	6.752	6.752	6.752	6.752	6.752	6.752					6.722 - 6.782	6.752
4,4'-DDE	6.832	6.832	6.832	6.832	6.833	6.833					6.802 - 6.862	6.832
Dieldrin	6.999	6.999	6.999	7.000	6.999	7.000					6.969 - 7.029	6.999
Endrin	7.268	7.267	7.267	7.267	7.268	7.268					7.237 - 7.297	7.267
4,4'-DDD	7.355	7.355	7.355	7.355	7.355	7.355					7.325 - 7.385	7.355
Endosulfan II	7.537	7.536	7.537	7.536	7.537	7.537					7.507 - 7.567	7.537
4,4'-DDT	7.599	7.599	7.600	7.599	7.599	7.600					7.570 - 7.630	7.599
Endrin aldehyde	7.705	7.705	7.706	7.705	7.706	7.705					7.676 - 7.736	7.705
Endosulfan sulfate	7.913	7.912	7.913	7.913	7.913	7.913					7.883 - 7.943	7.913
Methoxychlor	8.140	8.141	8.141	8.141	8.140	8.140					8.111 - 8.171	8.141
Endrin ketone	8.470	8.471	8.469	8.469	8.470	8.469					8.439 - 8.499	8.470
Tetrachloro-m-xylene	4.594	4.594	4.594	4.594	4.594	4.594					4.564 - 4.624	4.594
DCB Decachlorobiphenyl (Surr)	9.985	9.984	9.985	9.986	9.985	9.986					9.955 - 10.015	9.985

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8919

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	BQ0313000968.D
Level 2	IC 180-67462/5	BQ0313000969.D
Level 3	ICRT 180-67462/6	BQ0313000970.D
Level 4	IC 180-67462/7	BQ0313000971.D
Level 5	IC 180-67462/8	BQ0313000972.D
Level 6	IC 180-67462/9	BQ0313000973.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	13627000 12705380	12900000 12533390	13358080	13164940	Ave		13048131.7				3.2		10.0			
gamma-BHC (Lindane)	14676000 13049740	13504400 12761020	13795240	13513340	Ave		13549956.7				4.9		10.0			
beta-BHC	9438000 6816320	7579800 6596800	7104080	7029140	Qua	--0.000414 5	1.41635 E-007	7.80683 E-015					10.0	1.0000		0.9900
Heptachlor	12252000 10384200	10859800 9899035	11223680	10571400	Ave		10865019.2				7.5		10.0			
delta-BHC	14323000 12549440	12824600 12152395	13100080	12753800	Ave		12950552.5				5.7		10.0			
Aldrin	15161000 12766820	13615200 12078115	13875000	13433980	Ave		13488352.5				7.8		10.0			
Heptachlor epoxide	14195000 10839420	12209200 10005715	12027000	11418400	Qua	--0.000295 7	8.31895 E-008	8.45759 E-015					10.0	1.0000		0.9900
gamma-Chlordane	14323000 11749550	12457600 11069560	12667840	12057400	Ave		12387491.7				8.9		10.0			
alpha-Chlordane	14031000 11458800	12388400 11035350	12273400	11952200	Ave		12189858.3				8.5		10.0			
Endosulfan I	13682000 10043430	11698400 9594015	11116480	10673900	Qua	--0.000749 9	9.34928 E-008	5.85012 E-015					10.0	0.9999		0.9900
4,4'-DDE	14751000 12290410	12989200 11829320	13623760	12946880	Qua	--0.000528 7	7.68711 E-008	3.36813 E-015					10.0	0.9999		0.9900
Dieldrin	13787000 11208100	12092000 10457685	12225920	11721480	Ave		11915364.2				9.4		10.0			
Endrin	11434000 8812870	9716400 8341875	9687360	9419960	Qua	--0.000466 2	1.04744 E-007	9.30131 E-015					10.0	0.9999		0.9900
4,4'-DDD	10188000 8507520	9272600 8006420	9401360	8834260	Qua	--0.000344 4	1.09147 E-007	9.99809 E-015					10.0	1.0000		0.9900
Endosulfan II	11949000 9483100	10289800 8948440	10447720	9882200	Qua	--0.000377 1	9.81204 E-008	7.75972 E-015					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8919

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	4221000 5668900	4666800 5542480	5521560	5566300	Qua	0.0008366	1.72351 E-007	6.50708 E-015					10.0	1.0000		0.9900
Endrin aldehyde	8882000 6595880	7300400 6168900	7184440	6870500	Qua	--0.000305 9	1.399 E-007	1.82159 E-014					10.0	1.0000		0.9900
Endosulfan sulfate	10563000 8649690	8936000 8090090	9255840	8918980	Ave		9068933.33				9.1		10.0			
Methoxychlor	3286000 3082660	2998400 2910345	3182520	3088460	Ave		3091397.50				4.3		10.0			
Endrin ketone	4200000 3490160	3444200 3280870	3430040	3551060	Qua	0.0005401	2.67568 E-007	5.51401 E-014					10.0	0.9999		0.9900
Tetrachloro-m-xylene	18163000 14890760	16421400 14137290	16021840	15484200	Ave		15853081.7				8.8		10.0			
DCB Decachlorobiphenyl (Surr)	7389000 5003040	5824600 4707450	5219600	5152080	Qua	--0.000292	1.87761 E-007	2.64658 E-014					10.0	1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8919

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-67462/4	BQ0313000968.D
Level 2	IC 180-67462/5	BQ0313000969.D
Level 3	ICRT 180-67462/6	BQ0313000970.D
Level 4	IC 180-67462/7	BQ0313000971.D
Level 5	IC 180-67462/8	BQ0313000972.D
Level 6	IC 180-67462/9	BQ0313000973.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	13627 2506678	64500	333952	658247	1270538	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	14676 2552204	67522	344881	675667	1304974	0.00100 0.200	0.00500	0.0250	0.0500	0.100
beta-BHC	Qua	9438 1319360	37899	177602	351457	681632	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor	Ave	12252 1979807	54299	280592	528570	1038420	0.00100 0.200	0.00500	0.0250	0.0500	0.100
delta-BHC	Ave	14323 2430479	64123	327502	637690	1254944	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Aldrin	Ave	15161 2415623	68076	346875	671699	1276682	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor epoxide	Qua	14195 2001143	61046	300675	570920	1083942	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-Chlordane	Ave	14323 2213912	62288	316696	602870	1174955	0.00100 0.200	0.00500	0.0250	0.0500	0.100
alpha-Chlordane	Ave	14031 2207070	61942	306835	597610	1145880	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan I	Qua	13682 1918803	58492	277912	533695	1004343	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDE	Qua	14751 2365864	64946	340594	647344	1229041	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Dieldrin	Ave	13787 2091537	60460	305648	586074	1120810	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin	Qua	11434 1668375	48582	242184	470998	881287	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDD	Qua	10188 1601284	46363	235034	441713	850752	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan II	Qua	11949 1789688	51449	261193	494110	948310	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDT	Qua	4221 1108496	23334	138039	278315	566890	0.00100 0.200	0.00500	0.0250	0.0500	0.100

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 67462

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2013 14:35 Calibration End Date: 03/26/2013 15:53 Calibration ID: 8919

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Qua	8882 1233780	36502	179611	343525	659588	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	10563 1618018	44680	231396	445949	864969	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Methoxychlor	Ave	3286 582069	14992	79563	154423	308266	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin ketone	Qua	4200 656174	17221	85751	177553	349016	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	18163 2827458	82107	400546	774210	1489076	0.00100 0.200	0.00500	0.0250	0.0500	0.100
DCB Decachlorobiphenyl (Surr)	Qua	7389 941490	29123	130490	257604	500304	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average by Height
Qua = Quadratic by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 13:38 Calibration End Date: 03/08/2013 15:16 Calibration ID: 8674

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/1	P0330300.D
Level 2	IC 180-66077/2	P0330301.D
Level 3	IC 180-66077/3	P0330302.D
Level 4	IC 180-66077/4	P0330303.D
Level 5	IC 180-66077/5	P0330304.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1221 Peak 1	4.527	4.522	4.521	4.523	4.521						4.471 - 4.571	4.523
PCB-1221 Peak 2	4.772	4.768	4.767	4.769	4.767						4.717 - 4.817	4.769
PCB-1221 Peak 3	4.867	4.863	4.861	4.864	4.864						4.814 - 4.914	4.864
PCB-1254 Peak 1	7.724	7.721	7.721	7.721	7.721						7.671 - 7.771	7.722
PCB-1254 Peak 2	7.994	7.991	7.991	7.992	7.992						7.942 - 8.042	7.992
PCB-1254 Peak 3	8.660	8.657	8.656	8.657	8.658						8.608 - 8.708	8.658
PCB-1254 Peak 4	8.742	8.741	8.741	8.741	8.742						8.692 - 8.792	8.741
PCB-1254 Peak 5	9.031	9.028	9.028	9.028	9.030						8.980 - 9.080	9.029

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 13:38 Calibration End Date: 03/08/2013 15:16 Calibration ID: 8674

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/1	P0330300.D
Level 2	IC 180-66077/2	P0330301.D
Level 3	IC 180-66077/3	P0330302.D
Level 4	IC 180-66077/4	P0330303.D
Level 5	IC 180-66077/5	P0330304.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	197700 163189	169590	163464	164686	Ave		171725.800				8.6		10.0			
PCB-1221 Peak 2	113000 105714	116280	110288	108702	Ave		110796.800				3.6		10.0			
PCB-1221 Peak 3	434900 353739	392540	365732	365318	Ave		382445.800				8.5		10.0			
PCB-1254 Peak 1	735600 618825	673650	630752	639088	Ave		659583.000				7.1		10.0			
PCB-1254 Peak 2	388600 331917	355100	341336	346954	Ave		352781.400				6.2		10.0			
PCB-1254 Peak 3	459900 404612	426870	388340	404548	Ave		416854.000				6.6		10.0			
PCB-1254 Peak 4	838900 746983	778950	715444	757602	Ave		767575.800				6.0		10.0			
PCB-1254 Peak 5	337400 283630	301140	277300	280124	Ave		295918.800				8.4		10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 13:38 Calibration End Date: 03/08/2013 15:16 Calibration ID: 8674

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/1	P0330300.D
Level 2	IC 180-66077/2	P0330301.D
Level 3	IC 180-66077/3	P0330302.D
Level 4	IC 180-66077/4	P0330303.D
Level 5	IC 180-66077/5	P0330304.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	1977	16959	40866	82343	163189	0.0100	0.100	0.250	0.500	1.00
PCB-1221 Peak 2	Ave	1130	11628	27572	54351	105714	0.0100	0.100	0.250	0.500	1.00
PCB-1221 Peak 3	Ave	4349	39254	91433	182659	353739	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 1	Ave	7356	67365	157688	319544	618825	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 2	Ave	3886	35510	85334	173477	331917	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 3	Ave	4599	42687	97085	202274	404612	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 4	Ave	8389	77895	178861	378801	746983	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 5	Ave	3374	30114	69325	140062	283630	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:
Ave = Average by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 15:41 Calibration End Date: 03/08/2013 17:19 Calibration ID: 8675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/6	P0330305.D
Level 2	IC 180-66077/7	P0330306.D
Level 3	IC 180-66077/8	P0330307.D
Level 4	IC 180-66077/9	P0330308.D
Level 5	IC 180-66077/10	P0330309.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1242 Peak 1	6.506	6.504	6.505	6.503	6.504						6.454 - 6.554	6.504
PCB-1242 Peak 2	6.656	6.655	6.656	6.654	6.654						6.604 - 6.704	6.655
PCB-1242 Peak 3	7.179	7.180	7.181	7.180	7.179						7.129 - 7.229	7.180
PCB-1242 Peak 4	7.730	7.730	7.731	7.729	7.729						7.679 - 7.779	7.730
PCB-1242 Peak 5	8.004	7.999	7.998	7.998	7.998						7.948 - 8.048	7.999

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 15:41 Calibration End Date: 03/08/2013 17:19 Calibration ID: 8675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/6	P0330305.D
Level 2	IC 180-66077/7	P0330306.D
Level 3	IC 180-66077/8	P0330307.D
Level 4	IC 180-66077/9	P0330308.D
Level 5	IC 180-66077/10	P0330309.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	414300 343016	390750	362060	356704	Ave		373366.000				7.7		10.0			
PCB-1242 Peak 2	284400 254500	284330	274380	273610	Ave		274244.000				4.4		10.0			
PCB-1242 Peak 3	401000 341897	386530	357576	349114	Ave		367223.400				6.9		10.0			
PCB-1242 Peak 4	439200 374876	419200	386252	388380	Ave		401581.600				6.6		10.0			
PCB-1242 Peak 5	340500 268491	291650	273500	266704	Ave		288169.000				10.7	*	10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 15:41 Calibration End Date: 03/08/2013 17:19 Calibration ID: 8675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/6	P0330305.D
Level 2	IC 180-66077/7	P0330306.D
Level 3	IC 180-66077/8	P0330307.D
Level 4	IC 180-66077/9	P0330308.D
Level 5	IC 180-66077/10	P0330309.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	4143	39075	90515	178352	343016	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 2	Ave	2844	28433	68595	136805	254500	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 3	Ave	4010	38653	89394	174557	341897	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 4	Ave	4392	41920	96563	194190	374876	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 5	Ave	3405	29165	68375	133352	268491	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:
Ave = Average by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 17:43 Calibration End Date: 03/08/2013 19:21 Calibration ID: 8676

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/11	P0330310.D
Level 2	IC 180-66077/12	P0330311.D
Level 3	IC 180-66077/13	P0330312.D
Level 4	IC 180-66077/14	P0330313.D
Level 5	IC 180-66077/15	P0330314.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1248 Peak 1	6.289	6.288	6.287	6.287	6.286						6.236 - 6.336	6.287
PCB-1248 Peak 2	6.817	6.815	6.813	6.814	6.812						6.762 - 6.862	6.814
PCB-1248 Peak 3	7.584	7.583	7.583	7.582	7.582						7.532 - 7.632	7.583
PCB-1248 Peak 4	7.729	7.729	7.727	7.727	7.727						7.677 - 7.777	7.728
PCB-1248 Peak 5	8.474	8.472	8.471	8.471	8.470						8.420 - 8.520	8.472

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 17:43 Calibration End Date: 03/08/2013 19:21 Calibration ID: 8676

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/11	P0330310.D
Level 2	IC 180-66077/12	P0330311.D
Level 3	IC 180-66077/13	P0330312.D
Level 4	IC 180-66077/14	P0330313.D
Level 5	IC 180-66077/15	P0330314.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	597900 548892	594870	555280	577256	Ave		574839.600				3.9		10.0			
PCB-1248 Peak 2	528700 447738	500940	461252	465566	Ave		480839.200				6.9		10.0			
PCB-1248 Peak 3	337800 331896	348750	329456	341966	Ave		337973.600				2.3		10.0			
PCB-1248 Peak 4	714000 690846	718530	675676	717552	Ave		703320.800				2.7		10.0			
PCB-1248 Peak 5	368800 338883	360690	333560	346880	Ave		349762.600				4.2		10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 17:43 Calibration End Date: 03/08/2013 19:21 Calibration ID: 8676

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/11	P0330310.D
Level 2	IC 180-66077/12	P0330311.D
Level 3	IC 180-66077/13	P0330312.D
Level 4	IC 180-66077/14	P0330313.D
Level 5	IC 180-66077/15	P0330314.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	5979	59487	138820	288628	548892	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 2	Ave	5287	50094	115313	232783	447738	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 3	Ave	3378	34875	82364	170983	331896	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 4	Ave	7140	71853	168919	358776	690846	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 5	Ave	3688	36069	83390	173440	338883	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:

Ave = Average by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 19:46 Calibration End Date: 03/08/2013 19:46 Calibration ID: 8677

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/16	P0330315.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	5.858										5.808 - 5.908	5.858
PCB-1232 Peak 2	5.938										5.888 - 5.988	5.938
PCB-1232 Peak 3	6.501										6.451 - 6.551	6.501
PCB-1232 Peak 4	7.178										7.128 - 7.228	7.178
PCB-1232 Peak 5	7.317										7.267 - 7.367	7.317

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 19:46 Calibration End Date: 03/08/2013 19:46 Calibration ID: 8677

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/16	P0330315.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	71212				Ave		71212.0000						10.0			
PCB-1232 Peak 2	91040				Ave		91040.0000						10.0			
PCB-1232 Peak 3	185330				Ave		185330.000						10.0			
PCB-1232 Peak 4	200934				Ave		200934.000						10.0			
PCB-1232 Peak 5	184964				Ave		184964.000						10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 19:46 Calibration End Date: 03/08/2013 19:46 Calibration ID: 8677

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/16	P0330315.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	35606					0.500				
PCB-1232 Peak 2	Ave	45520					0.500				
PCB-1232 Peak 3	Ave	92665					0.500				
PCB-1232 Peak 4	Ave	100467					0.500				
PCB-1232 Peak 5	Ave	92482					0.500				

Curve Type Legend:
Ave = Average by Height

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 20:59 Calibration End Date: 03/08/2013 23:27 Calibration ID: 8679

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/18	P0330318.D
Level 2	IC 180-66077/19	P0330319.D
Level 3	IC 180-66077/20	P0330320.D
Level 4	ICRT 180-66077/21	P0330321.D
Level 5	IC 180-66077/22	P0330322.D
Level 6	IC 180-66077/23	P0330323.D
Level 7	IC 180-66077/24	P0330324.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	4.860	4.861	4.859	4.857	4.856	4.857	4.857				4.807 - 4.907	4.858
PCB-1016 Peak 2	5.531	5.531	5.531	5.528	5.529	5.528	5.528				5.478 - 5.578	5.529
PCB-1016 Peak 3	5.852	5.859	5.858	5.855	5.855	5.856	5.855				5.805 - 5.905	5.856
PCB-1016 Peak 4	5.939	5.939	5.938	5.934	5.935	5.935	5.935				5.885 - 5.985	5.936
PCB-1016 Peak 5	6.654	6.652	6.652	6.649	6.649	6.649	6.650				6.600 - 6.700	6.651
PCB-1260 Peak 1	8.657	8.656	8.655	8.654	8.654	8.654	8.655				8.605 - 8.705	8.655
PCB-1260 Peak 2	8.900	8.898	8.897	8.895	8.895	8.896	8.895				8.845 - 8.945	8.897
PCB-1260 Peak 3	9.265	9.265	9.264	9.263	9.263	9.263	9.263				9.213 - 9.313	9.264
PCB-1260 Peak 4	9.697	9.696	9.695	9.694	9.694	9.694	9.694				9.644 - 9.744	9.695
PCB-1260 Peak 5	10.053	10.052	10.050	10.049	10.049	10.050	10.050				10.000 - 10.100	10.050
Tetrachloro-m-xylene	4.034	4.032	4.032	4.029	4.030	4.030	4.030				3.980 - 4.080	4.031
DCB Decachlorobiphenyl (Surr)	12.639	12.634	12.634	12.634	12.633	12.633	12.632				12.582 - 12.682	12.634

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 20:59 Calibration End Date: 03/08/2013 23:27 Calibration ID: 8679

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/18	P0330318.D
Level 2	IC 180-66077/19	P0330319.D
Level 3	IC 180-66077/20	P0330320.D
Level 4	ICRT 180-66077/21	P0330321.D
Level 5	IC 180-66077/22	P0330322.D
Level 6	IC 180-66077/23	P0330323.D
Level 7	IC 180-66077/24	P0330324.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	353100 285914	275420 254734	290800 230325	294818	Ave		283587.143				13.5	*	10.0			
PCB-1016 Peak 2	618000 584836	571860 520487	600195 481466	609682	Ave		569503.643				8.9		10.0			
PCB-1016 Peak 3	145400 187249	156260 171449	184525 160591	183494	Ave		169852.500				9.5		10.0			
PCB-1016 Peak 4	234400 236084	214520 209843	240090 195850	231378	Ave		223166.393				7.4		10.0			
PCB-1016 Peak 5	332900 361296	311400 317683	355550 314623	346098	Ave		334221.393				6.1		10.0			
PCB-1260 Peak 1	894600 880436	805680 823383	869825 814376	884602	Ave		853271.643				4.4		10.0			
PCB-1260 Peak 2	1250600 1138632	1041480 1066427	1107105 1053234	1127446	Ave		1112131.93				6.4		10.0			
PCB-1260 Peak 3	1187000 1138912	1014040 1070396	1095060 1064944	1123568	Ave		1099131.32				5.1		10.0			
PCB-1260 Peak 4	612000 668545	599320 634435	659060 627027	669636	Ave		638574.679				4.4		10.0			
PCB-1260 Peak 5	1403900 1605324	1343800 1525873	1532900 1555471	1588398	Ave		1507952.18				6.5		10.0			
Tetrachloro-m-xylene	15942000 17760220	14345600 16126660	15675100 14928530	17530600	Ave		16044101.4				7.8		10.0			
DCB Decachlorobiphenyl (Surr)	9328000 8659560	8759600 7943410	9159800 7744930	8860760	Ave		8636580.00				6.8		10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 66077

SDG No.:

Instrument ID: GC8 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2013 20:59 Calibration End Date: 03/08/2013 23:27 Calibration ID: 8679

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-66077/18	P0330318.D
Level 2	IC 180-66077/19	P0330319.D
Level 3	IC 180-66077/20	P0330320.D
Level 4	ICRT 180-66077/21	P0330321.D
Level 5	IC 180-66077/22	P0330322.D
Level 6	IC 180-66077/23	P0330323.D
Level 7	IC 180-66077/24	P0330324.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	3531 509467	13771 921298	58160	147409	285914	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	6180 1040974	28593 1925862	120039	304841	584836	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	1454 342898	7813 642362	36905	91747	187249	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	2344 419686	10726 783399	48018	115689	236084	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	3329 635366	15570 1258491	71110	173049	361296	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	8946 1646766	40284 3257502	173965	442301	880436	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	12506 2132853	52074 4212936	221421	563723	1138632	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	11870 2140791	50702 4259775	219012	561784	1138912	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	6120 1268870	29966 2508107	131812	334818	668545	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	14039 3051745	67190 6221883	306580	794199	1605324	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	7971 1612666	35864 2985706	156751	438265	888011	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl (Surr)	Ave	4664 794341	21899 1548986	91598	221519	432978	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average by Height

FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/1 Calibration Date: 03/26/2013 13:48

Instrument ID: GC15 Calib Start Date: 03/19/2013 12:34

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/19/2013 13:52

Lab File ID: AQ0313000965.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.00	258193	5.41	15	
Endrin aldehyde	7.32	8055			
Endrin ketone	7.96	6709			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.41	375804	3.13	15	
4,4'-DDD	7.13	7439			
4,4'-DDE	6.68	4708			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000965.D
Report Date: 27-Mar-2013 08:29

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000965.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 13:48
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:26 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

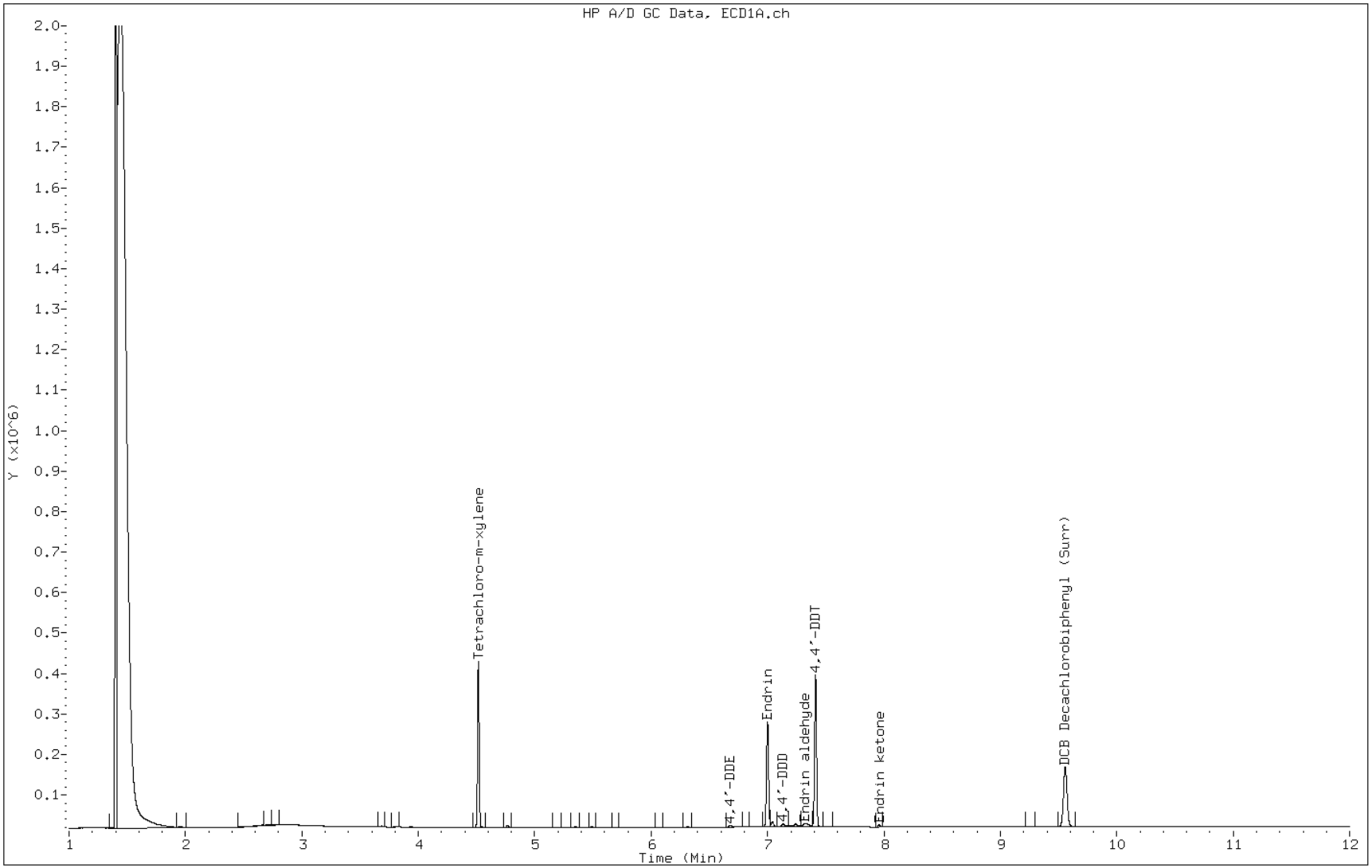
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	410145	0.02149	0.02149
27 4,4'-DDE	6.679	6.677	0.002	4708	5e-005	0.00004765
30 Endrin	7.000	6.999	0.001	258193	0.01995	0.01995
31 4,4'-DDD	7.133	7.133	0.000	7439	4e-004	0.0004081
33 Endrin aldehyde	7.323	7.314	0.009	8055	4e-004	0.0003626
34 4,4'-DDT	7.412	7.412	0.000	375804	0.04606	0.04606
37 Endrin ketone	7.959	7.957	0.002	6709	6e-004	0.0006162
$ 39 DCB Decachlorobiphenyl (Surr)	9.556	9.557	-0.001	146052	0.02069	0.02069

Data File: AQ0313000965.D

Date: 26-MAR-2013 13:48

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/1 Calibration Date: 03/26/2013 13:48

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000965.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.00	258193	5.41	15	
Endrin aldehyde	7.32	8055			
Endrin ketone	7.96	6709			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.41	375804	3.13	15	
4,4'-DDD	7.13	7439			
4,4'-DDE	6.68	4708			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000965.D
Report Date: 27-Mar-2013 08:29

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000965.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 13:48
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:26 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

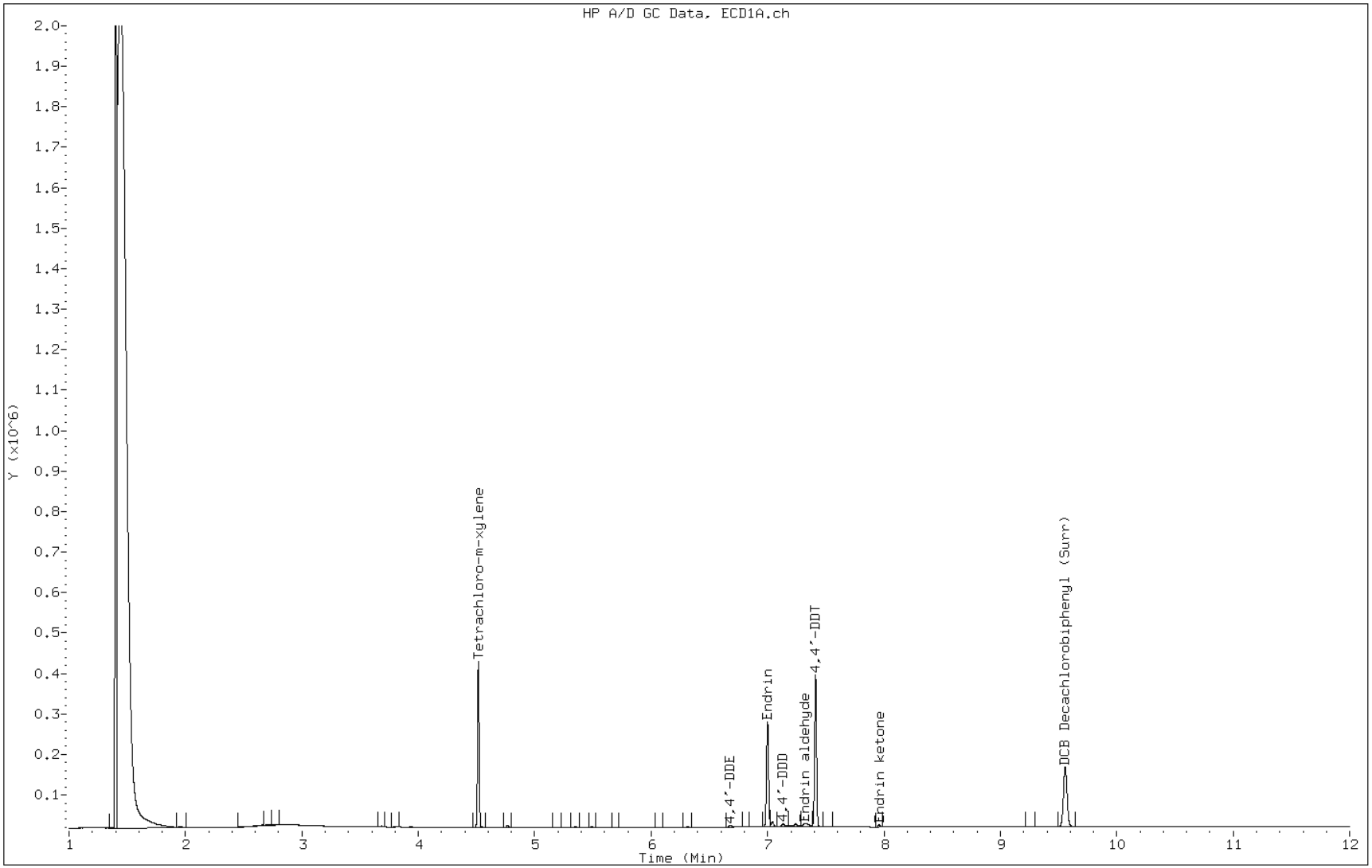
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	410145	0.02149	0.02149
27 4,4'-DDE	6.679	6.677	0.002	4708	5e-005	0.00004765
30 Endrin	7.000	6.999	0.001	258193	0.01995	0.01995
31 4,4'-DDD	7.133	7.133	0.000	7439	4e-004	0.0004081
33 Endrin aldehyde	7.323	7.314	0.009	8055	4e-004	0.0003626
34 4,4'-DDT	7.412	7.412	0.000	375804	0.04606	0.04606
37 Endrin ketone	7.959	7.957	0.002	6709	6e-004	0.0006162
$ 39 DCB Decachlorobiphenyl (Surr)	9.556	9.557	-0.001	146052	0.02069	0.02069

Data File: AQ0313000965.D

Date: 26-MAR-2013 13:48

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/1 Calibration Date: 03/26/2013 13:48

Instrument ID: GC15 Calib Start Date: 03/19/2013 12:34

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/19/2013 13:52

Lab File ID: BQ0313000965.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.27	207327	3.37	15	
Endrin aldehyde	7.71	3588			
Endrin ketone	8.47	3637			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.60	238166	6.43	15	
4,4'-DDD	7.36	8610			
4,4'-DDE	6.84	7770			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000965.D
Report Date: 27-Mar-2013 08:57

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000965.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 13:48
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:53 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

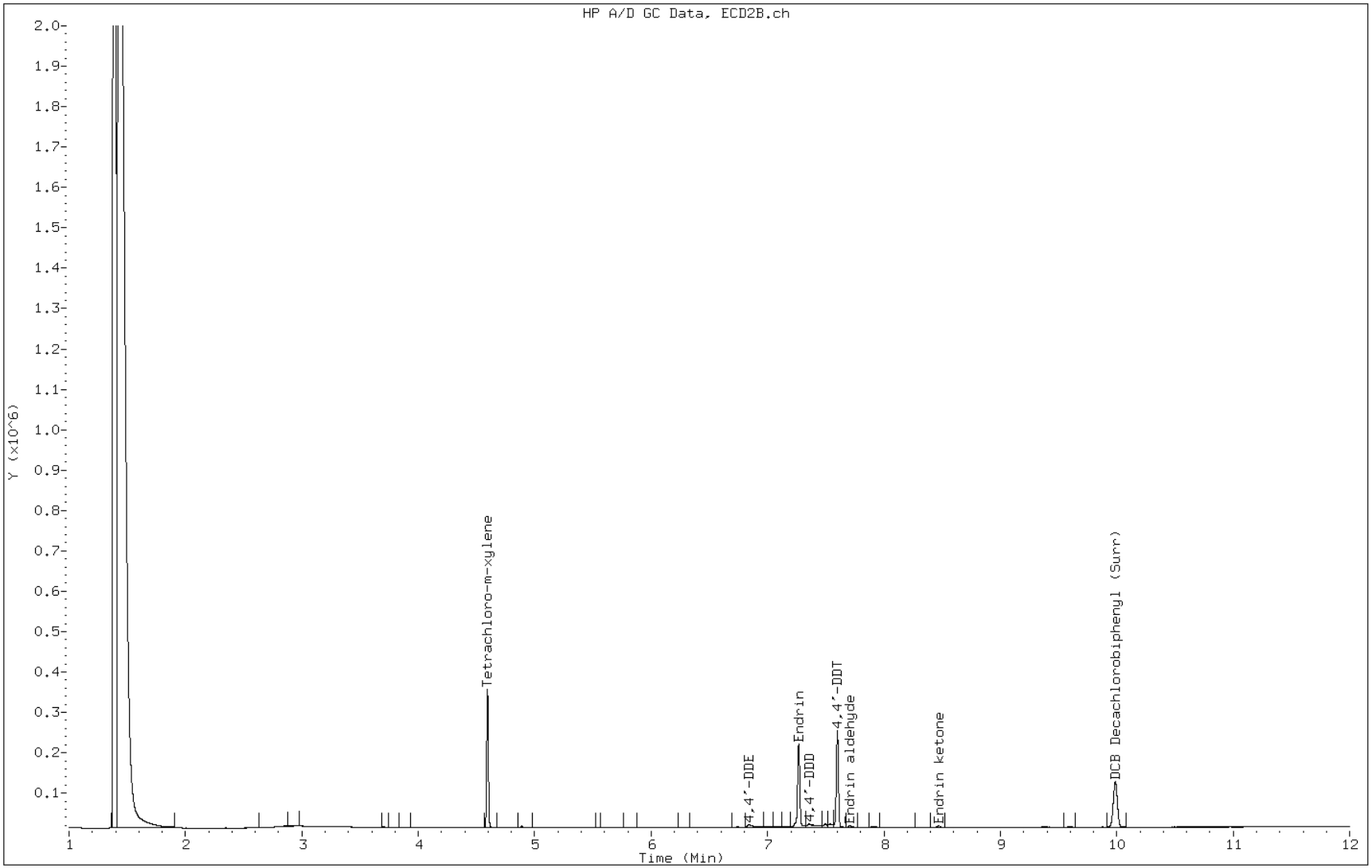
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.594	4.594	0.000	342244	0.02159	0.02159
27 4,4'-DDE	6.839	6.832	0.007	7770	7e-005	0.00006879
29 Endrin	7.267	7.267	0.000	207327	0.02165	0.02165
30 4,4'-DDD	7.357	7.355	0.002	8610	6.e-004	0.0005961
33 4,4'-DDT	7.600	7.600	0.000	238166	0.04225	0.04225
34 Endrin aldehyde	7.705	7.706	-0.001	3588	2.e-004	0.0001963
38 Endrin ketone	8.470	8.468	0.002	3637	0.00151	0.001514
$ 39 DCB Decachlorobiphenyl (Surr)	9.987	9.985	0.002	112683	0.02120	0.02120

Data File: BQ0313000965.D

Date: 26-MAR-2013 13:48

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/1 Calibration Date: 03/26/2013 13:48

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000965.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.27	207327	3.37	15	
Endrin aldehyde	7.71	3588			
Endrin ketone	8.47	3637			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.60	238166	6.43	15	
4,4'-DDD	7.36	8610			
4,4'-DDE	6.84	7770			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000965.D
Report Date: 27-Mar-2013 08:57

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000965.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 13:48
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:53 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

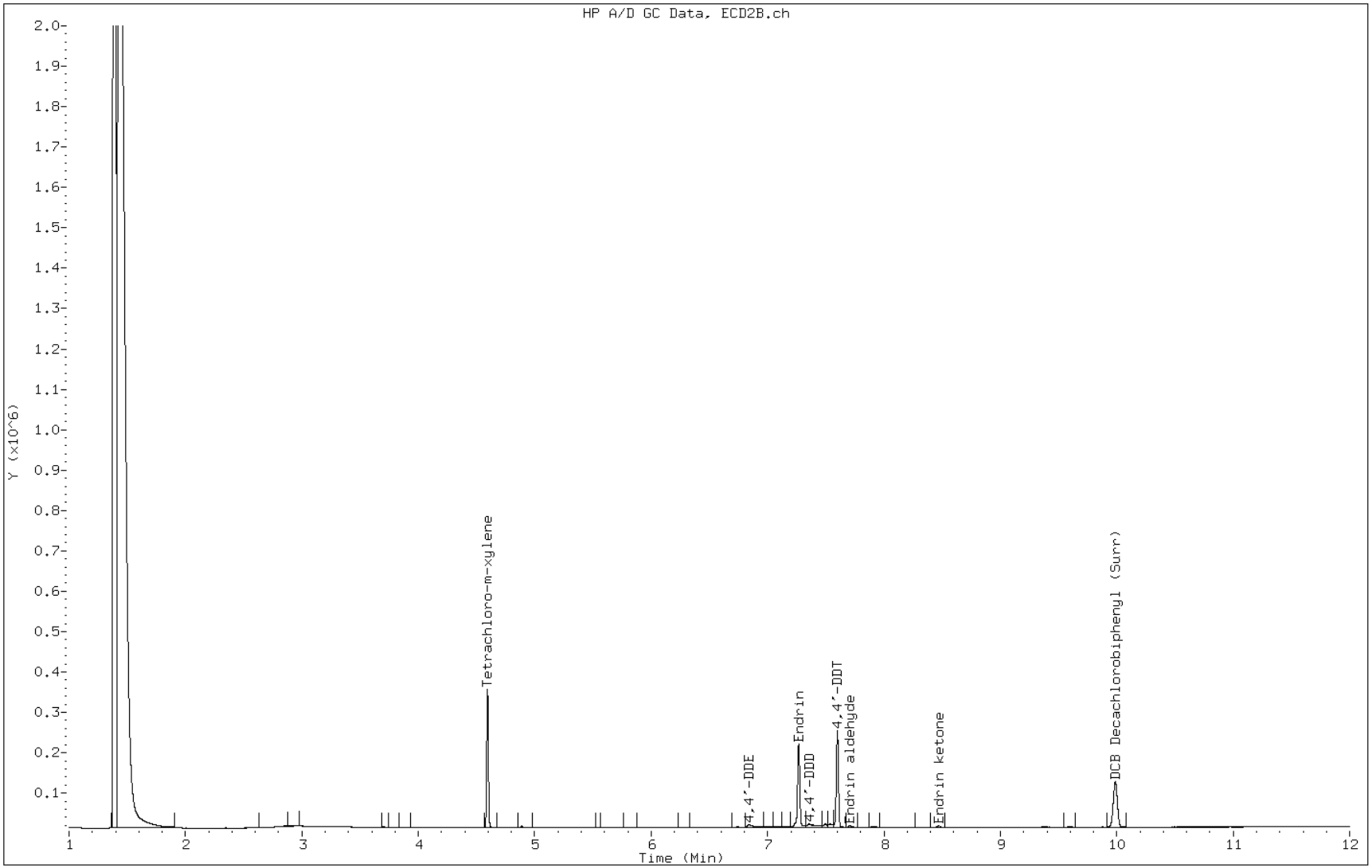
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.594	4.594	0.000	342244	0.02159	0.02159
27 4,4'-DDE	6.839	6.832	0.007	7770	7e-005	0.00006879
29 Endrin	7.267	7.267	0.000	207327	0.02165	0.02165
30 4,4'-DDD	7.357	7.355	0.002	8610	6.e-004	0.0005961
33 4,4'-DDT	7.600	7.600	0.000	238166	0.04225	0.04225
34 Endrin aldehyde	7.705	7.706	-0.001	3588	2.e-004	0.0001963
38 Endrin ketone	8.470	8.468	0.002	3637	0.00151	0.001514
$ 39 DCB Decachlorobiphenyl (Surr)	9.987	9.985	0.002	112683	0.02120	0.02120

Data File: BQ0313000965.D

Date: 26-MAR-2013 13:48

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/11 Calibration Date: 03/26/2013 20:32

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000991.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.00	243895	6.39	15	
Endrin aldehyde	7.33	10180			
Endrin ketone	7.96	6480			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.41	273662	1.61	15	
4,4'-DDD	7.13	4480			
4,4'-DDE	0.00	0			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000991.D
Report Date: 27-Mar-2013 08:29

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000991.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 20:32
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:29 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 18 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

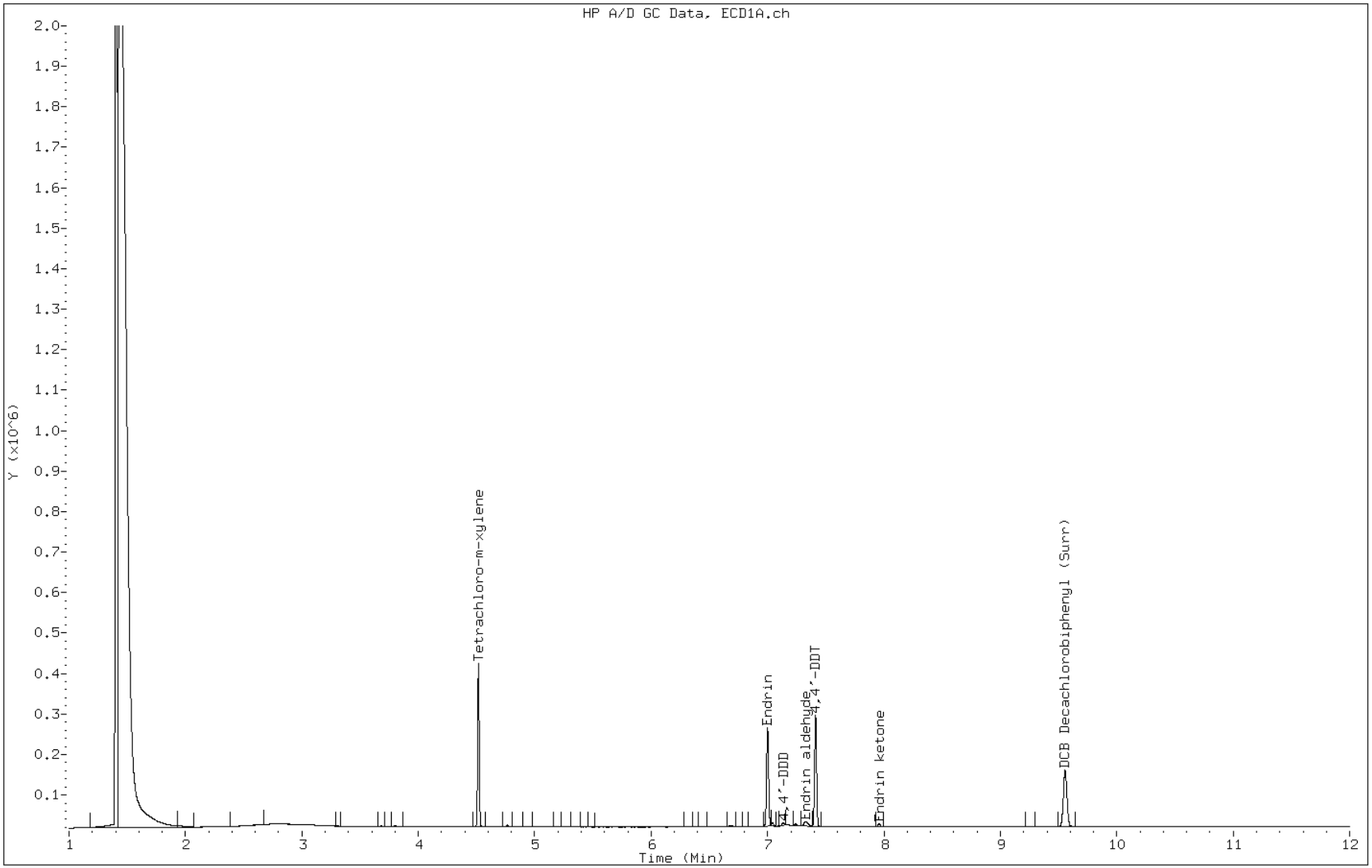
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	404917	0.02122	0.02122
27 4,4'-DDE	Compound Not Detected.					
30 Endrin	7.000	6.999	0.001	243895	0.01882	0.01882
31 4,4'-DDD	7.134	7.133	0.001	4480	2e-004	0.0001618
33 Endrin aldehyde	7.327	7.314	0.013	10180	6e-004	0.0005914
34 4,4'-DDT	7.412	7.412	0.000	273662	0.03379	0.03379
37 Endrin ketone	7.958	7.957	0.001	6480	0.00059	0.0005900
$ 39 DCB Decachlorobiphenyl (Surr)	9.553	9.557	-0.004	138616	0.01961	0.01961

Data File: AQ0313000991.D

Date: 26-MAR-2013 20:32

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: PEM 180-67462/11 Calibration Date: 03/26/2013 20:32

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000991.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.27	186226	2.80	15	
Endrin aldehyde	7.71	2587			
Endrin ketone	8.47	2773			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.60	207896	3.59	15	
4,4'-DDD	7.36	7749			
4,4'-DDE	0.00	0			

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000991.D
Report Date: 27-Mar-2013 08:57

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000991.D
Lab Smp Id: PEM 754679
Inj Date : 26-MAR-2013 20:32
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 754679,2013.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:57 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 18 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

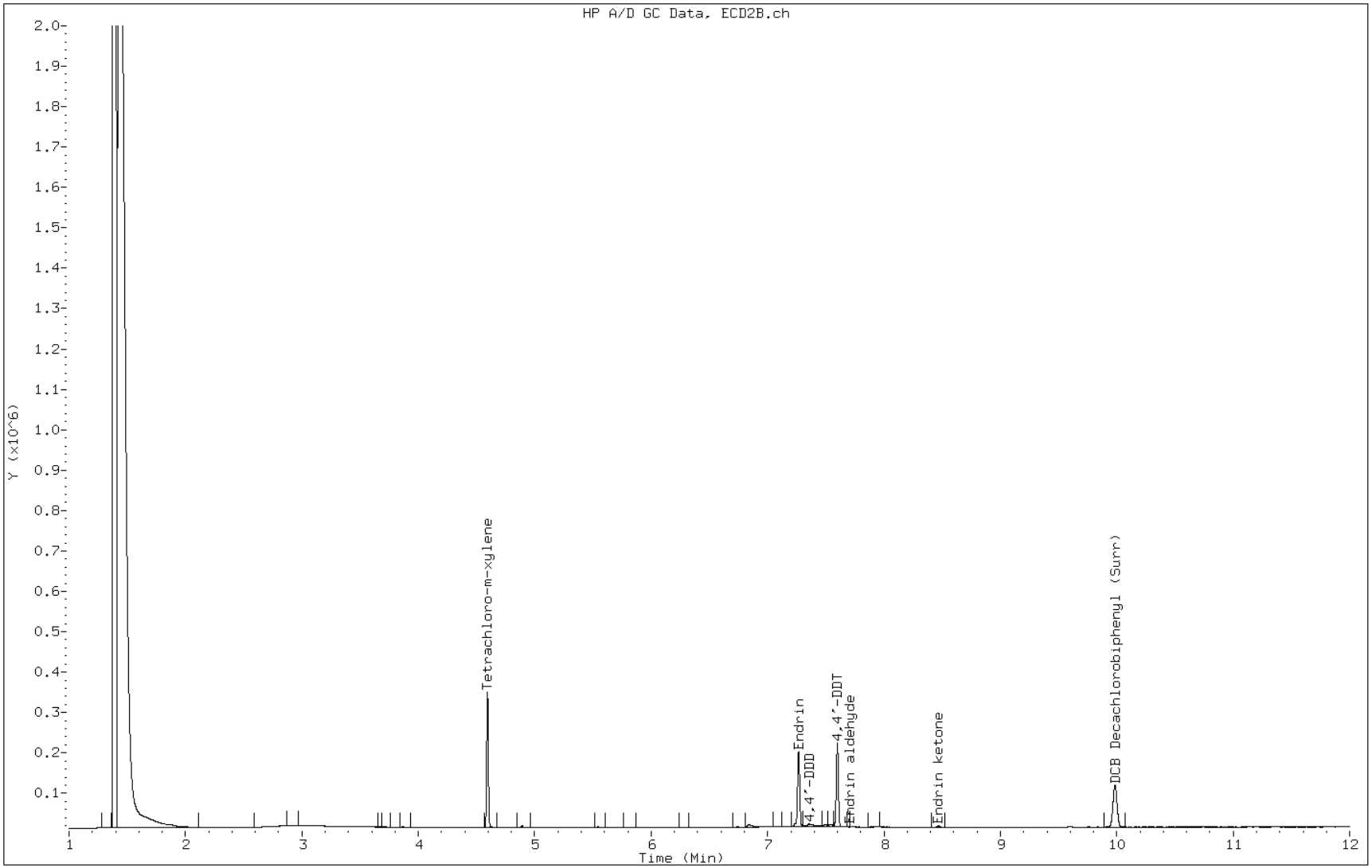
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.594	4.594	0.000	335441	0.02116	0.02116
27 4,4'-DDE	Compound Not Detected.					
29 Endrin	7.267	7.267	0.000	186226	0.01936	0.01936
30 4,4'-DDD	7.356	7.355	0.001	7749	5.e-004	0.0005020
33 4,4'-DDT	7.599	7.600	-0.001	207896	0.03695	0.03695
34 Endrin aldehyde	7.706	7.706	0.000	2587	6e-005	0.00005614
38 Endrin ketone	8.467	8.468	-0.001	2773	0.00128	0.001282
$ 39 DCB Decachlorobiphenyl (Surr)	9.985	9.985	0.000	103614	0.01945	0.01945

Data File: BQ0313000991.D

Date: 26-MAR-2013 20:32

Client ID: Instrument: gc15.i

Sample Info: PEM 754679,2013.b Operator: 402331



FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/1 Calibration Date: 03/25/2013 14:36

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: AQ0313000901.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Mirex	Qua	4376153	3745640		0.0225	0.0250	-10.0	15.0

FORM VII

PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/1 Calibration Date: 03/25/2013 14:36

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: AQ0313000901.D

Analyte	RT	RT WINDOW	
		FROM	TO
Mirex	8.35	8.32	8.38

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/1 Calibration Date: 03/25/2013 14:36

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: BQ0313000901.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Mirex	Qua	2992538	2703040		0.0235	0.0250	-5.8	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/1 Calibration Date: 03/25/2013 14:36

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: BQ0313000901.D

Analyte	RT	RT WINDOW	
		FROM	TO
Mirex	8.64	8.61	8.67

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/6 Calibration Date: 03/25/2013 19:31

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: AQ0313000920.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Mirex	Qua	4376153	4524760		0.0269	0.0250	7.5	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/6 Calibration Date: 03/25/2013 19:31

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: AQ0313000920.D

Analyte	RT	RT WINDOW	
		FROM	TO
Mirex	8.35	8.32	8.38

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/6 Calibration Date: 03/25/2013 19:31

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: BQ0313000920.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Mirex	Qua	2992538	3298280		0.0284	0.0250	13.4	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67287/6 Calibration Date: 03/25/2013 19:31

Instrument ID: GC15 Calib Start Date: 03/19/2013 11:01

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/19/2013 12:19

Lab File ID: BQ0313000920.D

Analyte	RT	RT WINDOW	
		FROM	TO
Mirex	8.64	8.61	8.67

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 180-67462/10 Calibration Date: 03/26/2013 16:08

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000974.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	21291751	20176320		0.0237	0.0250	-5.2	15.0
gamma-BHC (Lindane)	Ave	19638039	18367720		0.0234	0.0250	-6.5	15.0
beta-BHC	Qua	9477658	8505280		0.0233	0.0250	-6.8	15.0
delta-BHC	Ave	19617696	17259720		0.0220	0.0250	-12.0	15.0
Heptachlor	Ave	15946238	15034360		0.0236	0.0250	-5.7	15.0
Aldrin	Ave	17343589	16108920		0.0232	0.0250	-7.1	15.0
Heptachlor epoxide	Ave	15167111	14289240		0.0236	0.0250	-5.8	15.0
gamma-Chlordane	Ave	15695885	14570680		0.0232	0.0250	-7.2	15.0
alpha-Chlordane	Ave	15182400	13967920		0.0230	0.0250	-8.0	15.0
Endosulfan I	Ave	13884650	12686480		0.0228	0.0250	-8.6	15.0
4,4'-DDE	Qua	15982742	15101880		0.0236	0.0250	-5.5	15.0
Dieldrin	Ave	15300714	13961040		0.0228	0.0250	-8.8	15.0
Endrin	Qua	12855565	12134800		0.0235	0.0250	-5.8	15.0
4,4'-DDD	Qua	12411603	11745360		0.0243	0.0250	-2.9	15.0
Endosulfan II	Ave	12881048	12398560		0.0241	0.0250	-3.7	15.0
Endrin aldehyde	Qua	9800834	8575040		0.0226	0.0250	-9.4	15.0
4,4'-DDT	Qua	7661067	7337240		0.0230	0.0250	-8.2	15.0
Endosulfan sulfate	Ave	11612039	10551480		0.0227	0.0250	-9.1	15.0
Methoxychlor	Ave	4603497	4234560		0.0230	0.0250	-8.0	15.0
Endrin ketone	Qua	8828331	8087760		0.0231	0.0250	-7.6	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 180-67462/10 Calibration Date: 03/26/2013 16:08

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000974.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.88	4.85	4.91
gamma-BHC (Lindane)	5.14	5.11	5.17
beta-BHC	5.30	5.27	5.33
delta-BHC	5.49	5.46	5.52
Heptachlor	5.60	5.57	5.63
Aldrin	5.88	5.85	5.91
Heptachlor epoxide	6.24	6.21	6.27
gamma-Chlordane	6.45	6.42	6.48
alpha-Chlordane	6.52	6.49	6.55
Endosulfan I	6.56	6.53	6.59
4,4'-DDE	6.68	6.65	6.71
Dieldrin	6.80	6.77	6.83
Endrin	7.00	6.97	7.03
4,4'-DDD	7.13	7.10	7.16
Endosulfan II	7.20	7.17	7.23
Endrin aldehyde	7.31	7.28	7.34
4,4'-DDT	7.41	7.38	7.44
Endosulfan sulfate	7.53	7.49	7.55
Methoxychlor	7.85	7.82	7.88
Endrin ketone	7.96	7.93	7.99
DCB Decachlorobiphenyl (Surr)	0.00	9.51	9.61
Tetrachloro-m-xylene	0.00	4.49	4.55

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 180-67462/10 Calibration Date: 03/26/2013 16:08

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000974.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13048132	12284960		0.0235	0.0250	-5.8	15.0
gamma-BHC (Lindane)	Ave	13549957	13051800		0.0241	0.0250	-3.7	15.0
beta-BHC	Qua	7427357	6792720		0.0239	0.0250	-4.5	15.0
Heptachlor	Ave	10865019	10456960		0.0241	0.0250	-3.8	15.0
delta-BHC	Ave	12950553	11883120		0.0229	0.0250	-8.2	15.0
Aldrin	Ave	13488353	13114240		0.0243	0.0250	-2.8	15.0
Heptachlor epoxide	Qua	11782456	11294200		0.0239	0.0250	-4.5	15.0
gamma-Chlordane	Ave	12387492	11733160		0.0237	0.0250	-5.3	15.0
alpha-Chlordane	Ave	12189858	11451720		0.0235	0.0250	-6.1	15.0
Endosulfan I	Qua	11134704	10224920		0.0235	0.0250	-5.9	15.0
4,4'-DDE	Qua	13071762	12667040		0.0242	0.0250	-3.4	15.0
Dieldrin	Ave	11915364	11488280		0.0241	0.0250	-3.6	15.0
Endrin	Qua	9568744	9100400		0.0238	0.0250	-4.6	15.0
4,4'-DDD	Qua	9035027	8854640		0.0243	0.0250	-2.8	15.0
Endosulfan II	Qua	10166710	10031040		0.0247	0.0250	-1.1	15.0
4,4'-DDT	Qua	5197840	5443640		0.0244	0.0250	-2.4	15.0
Endrin aldehyde	Qua	7167020	6432920		0.0227	0.0250	-9.3	15.0
Endosulfan sulfate	Ave	9068933	8674760		0.0239	0.0250	-4.3	15.0
Methoxychlor	Ave	3091398	2997240		0.0242	0.0250	-3.0	15.0
Endrin ketone	Qua	3566055	3387240		0.0236	0.0250	-5.6	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICV 180-67462/10 Calibration Date: 03/26/2013 16:08

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000974.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.06	5.03	5.09
gamma-BHC (Lindane)	5.36	5.33	5.39
beta-BHC	5.61	5.58	5.64
Heptachlor	5.68	5.65	5.71
delta-BHC	5.83	5.80	5.86
Aldrin	5.94	5.91	5.97
Heptachlor epoxide	6.40	6.37	6.43
gamma-Chlordane	6.62	6.60	6.66
alpha-Chlordane	6.69	6.66	6.72
Endosulfan I	6.75	6.72	6.78
4,4'-DDE	6.83	6.80	6.86
Dieldrin	7.00	6.97	7.03
Endrin	7.27	7.24	7.30
4,4'-DDD	7.36	7.33	7.39
Endosulfan II	7.54	7.51	7.57
4,4'-DDT	7.60	7.57	7.63
Endrin aldehyde	7.70	7.68	7.74
Endosulfan sulfate	7.91	7.88	7.94
Methoxychlor	8.14	8.11	8.17
Endrin ketone	8.47	8.44	8.50
DCB Decachlorobiphenyl (Surr)	0.00	9.96	10.02
Tetrachloro-m-xylene	0.00	4.56	4.62

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/12 Calibration Date: 03/26/2013 20:47

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000992.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	21291751	19883360		0.0233	0.0250	-6.6	15.0
gamma-BHC (Lindane)	Ave	19638039	17850040		0.0227	0.0250	-9.1	15.0
beta-BHC	Qua	9477658	8195080		0.0224	0.0250	-10.3	15.0
delta-BHC	Ave	19617696	17545160		0.0224	0.0250	-10.6	15.0
Heptachlor	Ave	15946238	14217400		0.0223	0.0250	-10.8	15.0
Aldrin	Ave	17343589	15718160		0.0227	0.0250	-9.4	15.0
Heptachlor epoxide	Ave	15167111	13684960		0.0226	0.0250	-9.8	15.0
gamma-Chlordane	Ave	15695885	13686680		0.0218	0.0250	-12.8	15.0
alpha-Chlordane	Ave	15182400	13303520		0.0219	0.0250	-12.4	15.0
Endosulfan I	Ave	13884650	12366520		0.0223	0.0250	-10.9	15.0
4,4'-DDE	Qua	15982742	14529400		0.0227	0.0250	-9.2	15.0
Dieldrin	Ave	15300714	14014640		0.0229	0.0250	-8.4	15.0
Endrin	Qua	12855565	11801240		0.0229	0.0250	-8.5	15.0
4,4'-DDD	Qua	12411603	11095160		0.0229	0.0250	-8.3	15.0
Endosulfan II	Ave	12881048	11725800		0.0228	0.0250	-9.0	15.0
Endrin aldehyde	Qua	9800834	8837120		0.0234	0.0250	-6.6	15.0
4,4'-DDT	Qua	7661067	6756520		0.0212	0.0250	-15.2*	15.0
Endosulfan sulfate	Ave	11612039	10344240		0.0223	0.0250	-10.9	15.0
Methoxychlor	Ave	4603497	4087240		0.0222	0.0250	-11.2	15.0
Endrin ketone	Qua	8828331	7841000		0.0224	0.0250	-10.5	15.0
Tetrachloro-m-xylene	Ave	19085392	17928680		0.0235	0.0250	-6.1	15.0
DCB Decachlorobiphenyl (Surr)	Qua	7469065	6882160		0.0245	0.0250	-2.1	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/12 Calibration Date: 03/26/2013 20:47

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313000992.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.87	4.85	4.91
gamma-BHC (Lindane)	5.14	5.11	5.17
beta-BHC	5.30	5.27	5.33
delta-BHC	5.49	5.46	5.52
Heptachlor	5.60	5.57	5.63
Aldrin	5.88	5.85	5.91
Heptachlor epoxide	6.24	6.21	6.27
gamma-Chlordane	6.45	6.42	6.48
alpha-Chlordane	6.52	6.49	6.55
Endosulfan I	6.56	6.53	6.59
4,4'-DDE	6.68	6.65	6.71
Dieldrin	6.80	6.77	6.83
Endrin	7.00	6.97	7.03
4,4'-DDD	7.13	7.10	7.16
Endosulfan II	7.20	7.17	7.23
Endrin aldehyde	7.31	7.28	7.34
4,4'-DDT	7.41	7.38	7.44
Endosulfan sulfate	7.52	7.49	7.55
Methoxychlor	7.85	7.82	7.88
Endrin ketone	7.96	7.93	7.99
Tetrachloro-m-xylene	4.52	4.49	4.55
DCB Decachlorobiphenyl (Surr)	9.56	9.51	9.61

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/12 Calibration Date: 03/26/2013 20:47

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000992.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13048132	12226680		0.0234	0.0250	-6.3	15.0
gamma-BHC (Lindane)	Ave	13549957	12385840		0.0229	0.0250	-8.6	15.0
beta-BHC	Qua	7427357	6369720		0.0223	0.0250	-10.6	15.0
Heptachlor	Ave	10865019	10306240		0.0237	0.0250	-5.1	15.0
delta-BHC	Ave	12950553	11778960		0.0227	0.0250	-9.0	15.0
Aldrin	Ave	13488353	12260560		0.0227	0.0250	-9.1	15.0
Heptachlor epoxide	Qua	11782456	10480360		0.0221	0.0250	-11.7	15.0
gamma-Chlordane	Ave	12387492	10900520		0.0220	0.0250	-12.0	15.0
alpha-Chlordane	Ave	12189858	10722800		0.0220	0.0250	-12.0	15.0
Endosulfan I	Qua	11134704	9980280		0.0229	0.0250	-8.2	15.0
4,4'-DDE	Qua	13071762	12055840		0.0229	0.0250	-8.2	15.0
Dieldrin	Ave	11915364	10583520		0.0222	0.0250	-11.2	15.0
Endrin	Qua	9568744	8664080		0.0227	0.0250	-9.4	15.0
4,4'-DDD	Qua	9035027	8107080		0.0222	0.0250	-11.2	15.0
Endosulfan II	Qua	10166710	9103760		0.0224	0.0250	-10.6	15.0
4,4'-DDT	Qua	5197840	5025360		0.0226	0.0250	-9.6	15.0
Endrin aldehyde	Qua	7167020	6321480		0.0223	0.0250	-11.0	15.0
Endosulfan sulfate	Ave	9068933	8313880		0.0229	0.0250	-8.3	15.0
Methoxychlor	Ave	3091398	2991120		0.0242	0.0250	-3.2	15.0
Endrin ketone	Qua	3566055	3340720		0.0233	0.0250	-6.9	15.0
Tetrachloro-m-xylene	Ave	15853082	15051560		0.0237	0.0250	-5.1	15.0
DCB Decachlorobiphenyl (Surr)	Qua	5549295	5156240		0.0244	0.0250	-2.6	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/12 Calibration Date: 03/26/2013 20:47

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313000992.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.06	5.03	5.09
gamma-BHC (Lindane)	5.36	5.33	5.39
beta-BHC	5.61	5.58	5.64
Heptachlor	5.68	5.65	5.71
delta-BHC	5.83	5.80	5.86
Aldrin	5.94	5.91	5.97
Heptachlor epoxide	6.40	6.37	6.43
gamma-Chlordane	6.62	6.60	6.66
alpha-Chlordane	6.69	6.66	6.72
Endosulfan I	6.75	6.72	6.78
4,4'-DDE	6.83	6.80	6.86
Dieldrin	7.00	6.97	7.03
Endrin	7.27	7.24	7.30
4,4'-DDD	7.35	7.33	7.39
Endosulfan II	7.54	7.51	7.57
4,4'-DDT	7.60	7.57	7.63
Endrin aldehyde	7.70	7.68	7.74
Endosulfan sulfate	7.91	7.88	7.94
Methoxychlor	8.14	8.11	8.17
Endrin ketone	8.47	8.44	8.50
Tetrachloro-m-xylene	4.59	4.56	4.62
DCB Decachlorobiphenyl (Surr)	9.99	9.96	10.02

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/22 Calibration Date: 03/27/2013 01:42

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313001011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	21291751	18622560		0.0219	0.0250	-12.5	15.0
gamma-BHC (Lindane)	Ave	19638039	16695360		0.0213	0.0250	-15.0	15.0
beta-BHC	Qua	9477658	7393120		0.0202	0.0250	-19.2*	15.0
delta-BHC	Ave	19617696	16108760		0.0205	0.0250	-17.9*	15.0
Heptachlor	Ave	15946238	13330040		0.0209	0.0250	-16.4*	15.0
Aldrin	Ave	17343589	14265560		0.0206	0.0250	-17.7*	15.0
Heptachlor epoxide	Ave	15167111	12367240		0.0204	0.0250	-18.5*	15.0
gamma-Chlordane	Ave	15695885	12508280		0.0199	0.0250	-20.3*	15.0
alpha-Chlordane	Ave	15182400	11641080		0.0192	0.0250	-23.3*	15.0
Endosulfan I	Ave	13884650	11401480		0.0205	0.0250	-17.9*	15.0
4,4'-DDE	Qua	15982742	12745440		0.0199	0.0250	-20.5*	15.0
Dieldrin	Ave	15300714	12240360		0.0200	0.0250	-20.0*	15.0
Endrin	Qua	12855565	10674800		0.0206	0.0250	-17.4*	15.0
4,4'-DDD	Qua	12411603	10116600		0.0209	0.0250	-16.5*	15.0
Endosulfan II	Ave	12881048	10733280		0.0208	0.0250	-16.7*	15.0
Endrin aldehyde	Qua	9800834	7351120		0.0193	0.0250	-22.7*	15.0
4,4'-DDT	Qua	7661067	6088160		0.0192	0.0250	-23.2*	15.0
Endosulfan sulfate	Ave	11612039	9354640		0.0201	0.0250	-19.4*	15.0
Methoxychlor	Ave	4603497	3786160		0.0206	0.0250	-17.8*	15.0
Endrin ketone	Qua	8828331	7021480		0.0200	0.0250	-20.0*	15.0
Tetrachloro-m-xylene	Ave	19085392	16998280		0.0223	0.0250	-10.9	15.0
DCB Decachlorobiphenyl (Surr)	Qua	7469065	6205800		0.0220	0.0250	-12.0	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/22 Calibration Date: 03/27/2013 01:42

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: AQ0313001011.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.88	4.85	4.91
gamma-BHC (Lindane)	5.14	5.11	5.17
beta-BHC	5.30	5.27	5.33
delta-BHC	5.49	5.46	5.52
Heptachlor	5.60	5.57	5.63
Aldrin	5.88	5.85	5.91
Heptachlor epoxide	6.24	6.21	6.27
gamma-Chlordane	6.45	6.42	6.48
alpha-Chlordane	6.52	6.49	6.55
Endosulfan I	6.56	6.53	6.59
4,4'-DDE	6.68	6.65	6.71
Dieldrin	6.80	6.77	6.83
Endrin	7.00	6.97	7.03
4,4'-DDD	7.13	7.10	7.16
Endosulfan II	7.20	7.17	7.23
Endrin aldehyde	7.31	7.28	7.34
4,4'-DDT	7.41	7.38	7.44
Endosulfan sulfate	7.52	7.49	7.55
Methoxychlor	7.85	7.82	7.88
Endrin ketone	7.96	7.93	7.99
Tetrachloro-m-xylene	4.52	4.49	4.55
DCB Decachlorobiphenyl (Surr)	9.56	9.51	9.61

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/22 Calibration Date: 03/27/2013 01:42

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313001011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13048132	11281160		0.0216	0.0250	-13.5	15.0
gamma-BHC (Lindane)	Ave	13549957	11584560		0.0214	0.0250	-14.5	15.0
beta-BHC	Qua	7427357	5808560		0.0203	0.0250	-18.7*	15.0
Heptachlor	Ave	10865019	8822800		0.0203	0.0250	-18.8*	15.0
delta-BHC	Ave	12950553	10694200		0.0206	0.0250	-17.4*	15.0
Aldrin	Ave	13488353	11120880		0.0206	0.0250	-17.6*	15.0
Heptachlor epoxide	Qua	11782456	9354640		0.0196	0.0250	-21.5*	15.0
gamma-Chlordane	Ave	12387492	9773760		0.0197	0.0250	-21.1*	15.0
alpha-Chlordane	Ave	12189858	9411760		0.0193	0.0250	-22.8*	15.0
Endosulfan I	Qua	11134704	8776120		0.0200	0.0250	-19.8*	15.0
4,4'-DDE	Qua	13071762	10392240		0.0197	0.0250	-21.3*	15.0
Dieldrin	Ave	11915364	9475560		0.0199	0.0250	-20.5*	15.0
Endrin	Qua	9568744	7867640		0.0205	0.0250	-18.0*	15.0
4,4'-DDD	Qua	9035027	7304160		0.0199	0.0250	-20.3*	15.0
Endosulfan II	Qua	10166710	7890440		0.0193	0.0250	-22.9*	15.0
4,4'-DDT	Qua	5197840	4142680		0.0188	0.0250	-25.0*	15.0
Endrin aldehyde	Qua	7167020	5493760		0.0193	0.0250	-23.0*	15.0
Endosulfan sulfate	Ave	9068933	7372080		0.0203	0.0250	-18.7*	15.0
Methoxychlor	Ave	3091398	2544760		0.0206	0.0250	-17.7*	15.0
Endrin ketone	Qua	3566055	2892080		0.0202	0.0250	-19.3*	15.0
Tetrachloro-m-xylene	Ave	15853082	14303920		0.0226	0.0250	-9.8	15.0
DCB Decachlorobiphenyl (Surr)	Qua	5549295	4648600		0.0219	0.0250	-12.5	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67462/22 Calibration Date: 03/27/2013 01:42

Instrument ID: GC15 Calib Start Date: 03/26/2013 14:35

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 03/26/2013 15:53

Lab File ID: BQ0313001011.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.06	5.03	5.09
gamma-BHC (Lindane)	5.36	5.33	5.39
beta-BHC	5.61	5.58	5.64
Heptachlor	5.68	5.65	5.71
delta-BHC	5.83	5.80	5.86
Aldrin	5.94	5.91	5.97
Heptachlor epoxide	6.40	6.37	6.43
gamma-Chlordane	6.63	6.60	6.66
alpha-Chlordane	6.69	6.66	6.72
Endosulfan I	6.75	6.72	6.78
4,4'-DDE	6.83	6.80	6.86
Dieldrin	7.00	6.97	7.03
Endrin	7.27	7.24	7.30
4,4'-DDD	7.35	7.33	7.39
Endosulfan II	7.54	7.51	7.57
4,4'-DDT	7.60	7.57	7.63
Endrin aldehyde	7.71	7.68	7.74
Endosulfan sulfate	7.91	7.88	7.94
Methoxychlor	8.14	8.11	8.17
Endrin ketone	8.47	8.44	8.50
Tetrachloro-m-xylene	4.59	4.56	4.62
DCB Decachlorobiphenyl (Surr)	9.99	9.96	10.02

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67227/7 Calibration Date: 03/20/2013 22:14

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330775.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	283587	318670		0.562	0.500	12.4	15.0
PCB-1016 Peak 2	Ave	569504	646168		0.567	0.500	13.5	15.0
PCB-1016 Peak 3	Ave	169853	195918		0.577	0.500	15.3*	15.0
PCB-1016 Peak 4	Ave	223166	248474		0.557	0.500	11.3	15.0
PCB-1016 Peak 5	Ave	334221	364190		0.545	0.500	9.0	15.0
PCB-1260 Peak 1	Ave	853272	925180		0.542	0.500	8.4	15.0
PCB-1260 Peak 2	Ave	1112132	1205628		0.542	0.500	8.4	15.0
PCB-1260 Peak 3	Ave	1099131	1200880		0.546	0.500	9.3	15.0
PCB-1260 Peak 4	Ave	638575	713530		0.559	0.500	11.7	15.0
PCB-1260 Peak 5	Ave	1507952	1712236		0.568	0.500	13.5	15.0
Tetrachloro-m-xylene	Ave	16044101	19082200		0.0297	0.0250	18.9*	15.0
DCB Decachlorobiphenyl (Surr)	Ave	8636580	9597200		0.0278	0.0250	11.1	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67227/7 Calibration Date: 03/20/2013 22:14

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330775.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.83	4.79	4.89
PCB-1016 Peak 2	5.50	5.46	5.56
PCB-1016 Peak 3	5.82	5.79	5.89
PCB-1016 Peak 4	5.90	5.86	5.96
PCB-1016 Peak 5	6.62	6.58	6.68
PCB-1260 Peak 1	8.63	8.59	8.69
PCB-1260 Peak 2	8.87	8.83	8.93
PCB-1260 Peak 3	9.24	9.20	9.30
PCB-1260 Peak 4	9.67	9.63	9.73
PCB-1260 Peak 5	10.02	9.98	10.08
Tetrachloro-m-xylene	4.01	3.97	4.07
DCB Decachlorobiphenyl (Surr)	12.58	12.55	12.65

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67227/8 Calibration Date: 03/22/2013 13:40

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330833.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	283587	262555		0.926	1.00	-7.4	15.0
PCB-1016 Peak 2	Ave	569504	536940		0.943	1.00	-5.7	15.0
PCB-1016 Peak 3	Ave	169853	163922		0.965	1.00	-3.5	15.0
PCB-1016 Peak 4	Ave	223166	206022		0.923	1.00	-7.7	15.0
PCB-1016 Peak 5	Ave	334221	306495		0.917	1.00	-8.3	15.0
PCB-1260 Peak 1	Ave	853272	779313		0.913	1.00	-8.7	15.0
PCB-1260 Peak 2	Ave	1112132	1014542		0.912	1.00	-8.8	15.0
PCB-1260 Peak 3	Ave	1099131	1006995		0.916	1.00	-8.4	15.0
PCB-1260 Peak 4	Ave	638575	599182		0.938	1.00	-6.2	15.0
PCB-1260 Peak 5	Ave	1507952	1444727		0.958	1.00	-4.2	15.0
Tetrachloro-m-xylene	Ave	16044101	15718140		0.0490	0.0500	-2.0	15.0
DCB Decachlorobiphenyl (Surr)	Ave	8636580	7960980		0.0461	0.0500	-7.8	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67227/8 Calibration Date: 03/22/2013 13:40

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330833.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.83	4.79	4.89
PCB-1016 Peak 2	5.49	5.46	5.56
PCB-1016 Peak 3	5.82	5.79	5.89
PCB-1016 Peak 4	5.90	5.86	5.96
PCB-1016 Peak 5	6.62	6.58	6.68
PCB-1260 Peak 1	8.63	8.59	8.69
PCB-1260 Peak 2	8.87	8.83	8.93
PCB-1260 Peak 3	9.24	9.20	9.30
PCB-1260 Peak 4	9.66	9.63	9.73
PCB-1260 Peak 5	10.02	9.98	10.08
Tetrachloro-m-xylene	4.00	3.97	4.07
DCB Decachlorobiphenyl (Surr)	12.57	12.55	12.65

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67227/14 Calibration Date: 03/22/2013 16:57

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330841.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	283587	348431		1.23	1.00	22.9*	15.0
PCB-1016 Peak 2	Ave	569504	694627		1.22	1.00	22.0*	15.0
PCB-1016 Peak 3	Ave	169853	222239		1.31	1.00	30.8*	15.0
PCB-1016 Peak 4	Ave	223166	278343		1.25	1.00	24.7*	15.0
PCB-1016 Peak 5	Ave	334221	418740		1.25	1.00	25.3*	15.0
PCB-1260 Peak 1	Ave	853272	1021522		1.20	1.00	19.7*	15.0
PCB-1260 Peak 2	Ave	1112132	1319179		1.19	1.00	18.6*	15.0
PCB-1260 Peak 3	Ave	1099131	1325711		1.21	1.00	20.6*	15.0
PCB-1260 Peak 4	Ave	638575	786280		1.23	1.00	23.1*	15.0
PCB-1260 Peak 5	Ave	1507952	1892245		1.25	1.00	25.5*	15.0
Tetrachloro-m-xylene	Ave	16044101	21830580		0.0680	0.0500	36.1*	15.0
DCB Decachlorobiphenyl (Surr)	Ave	8636580	10303460		0.0597	0.0500	19.3*	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67227/14 Calibration Date: 03/22/2013 16:57

Instrument ID: GC8 Calib Start Date: 03/08/2013 20:59

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 03/08/2013 23:27

Lab File ID: P0330841.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.83	4.79	4.89
PCB-1016 Peak 2	5.50	5.46	5.56
PCB-1016 Peak 3	5.82	5.79	5.89
PCB-1016 Peak 4	5.90	5.86	5.96
PCB-1016 Peak 5	6.62	6.58	6.68
PCB-1260 Peak 1	8.63	8.59	8.69
PCB-1260 Peak 2	8.87	8.83	8.93
PCB-1260 Peak 3	9.24	9.20	9.30
PCB-1260 Peak 4	9.66	9.63	9.73
PCB-1260 Peak 5	10.02	9.98	10.08
Tetrachloro-m-xylene	4.00	3.97	4.07
DCB Decachlorobiphenyl (Surr)	12.57	12.55	12.65

FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-66997/1-A
Matrix: Water
Lab File ID: P0330835.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 14:29
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67227
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0014
11096-82-5	PCB-1260	ND		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	117		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	102		57-144

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330835.D
Report Date: 25-Mar-2013 13:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330835.D
Lab Smp Id: MB 180-66997/1-A
Inj Date : 22-MAR-2013 14:29
Operator : 402360 Inst ID: gc8.i
Smp Info : 03223B8608.b
Misc Info : MB 180-66997/1-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\03223B8608.b\PCBB608.m
Meth Date : 25-Mar-2013 13:48 gc8.i Quant Type: ESTD
Cal Date : 08-MAR-2013 22:13 Cal File: P0330321.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.005	4.015	-0.010	374427	0.02334	0.023337		(R)

---

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

Peaks not detected for Quant. or Qual. signal(s).

---

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

Peaks not detected for Quant. or Qual. signal(s).

---

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

Peaks not detected for Quant. or Qual. signal(s).

---

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

Operator disabled compound identification.

---

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

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330835.D
Report Date: 25-Mar-2013 13:48

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

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

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

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

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)               CAS #: 2051-24-3
12.574  12.599   -0.025          176738 0.02046  0.020464                      (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

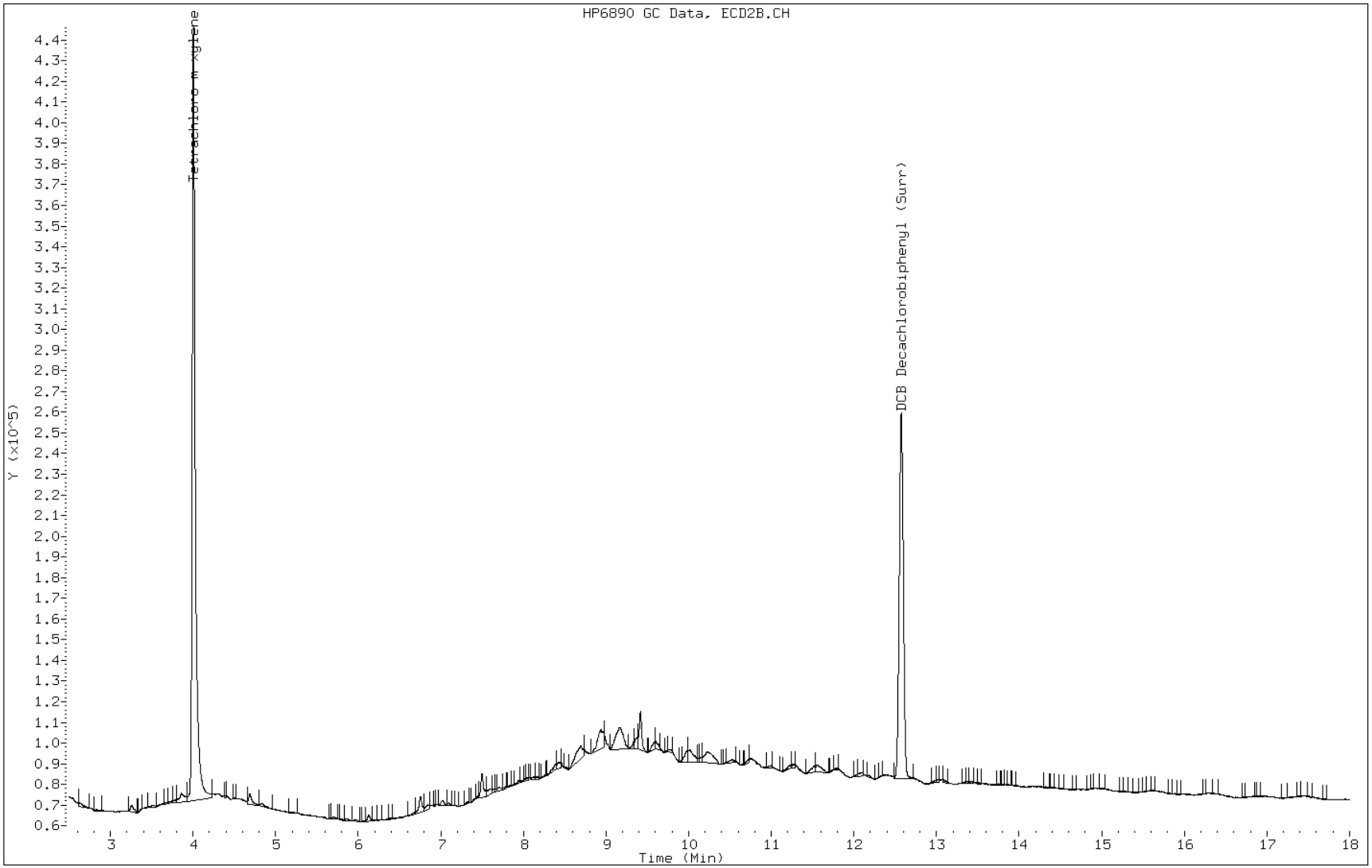
R - Spike/Surrogate failed recovery limits.

Data File: P0330835.D

Date: 22-MAR-2013 14:29

Client ID: Instrument: gc8.i

Sample Info: 03223B8608.b Operator: 402360



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-66997/1-A
Matrix: Water
Lab File ID: AQ0313000911.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/25/2013 17:11
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67287
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2385-85-5	Mirex	ND		0.0013	0.00048

Data File: \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000911.D
Report Date: 26-Mar-2013 06:54

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000911.D
Lab Smp Id: mb 180-66997/1-a
Inj Date : 25-MAR-2013 17:11
Operator : 402331 Inst ID: gc15.i
Smp Info : mb 180-66997/1-a,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\032513608APP.b\TPEST608A1.m
Meth Date : 26-Mar-2013 06:54 oravecj Quant Type: ESTD
Cal Date : 19-MAR-2013 13:52 Cal File: AQ0313000614.D
Als bottle: 32
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: APPX1.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
2 HCCPD	Compound Not Detected.					
5 Hexachlorobenzene	4.881	4.855	0.026	663	4e-005	0.00003518(a)
10 Dacthal	Compound Not Detected.					
14 Isodrin	Compound Not Detected.					
15 OXYCHLORDANE	6.133	6.136	-0.003	661	1e-004	0.0001315(a)
19 Chlorbenside	Compound Not Detected.					
38 Mirex	Compound Not Detected.					

QC Flag Legend

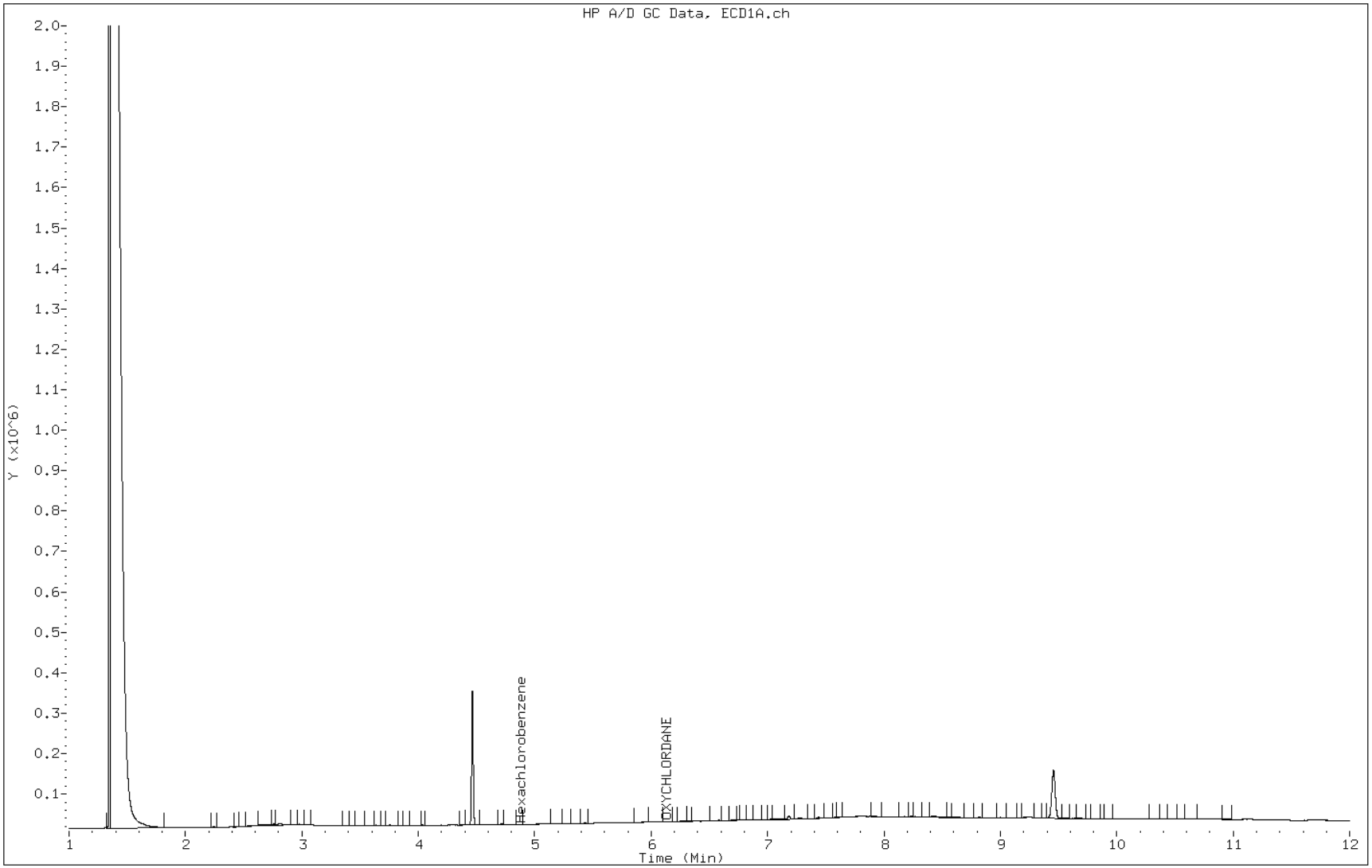
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: AQ0313000911.D

Date: 25-MAR-2013 17:11

Client ID: Instrument: gc15.i

Sample Info: mb 180-66997/1-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-66997/1-A
Matrix: Water
Lab File ID: AQ0313000994.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:18
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.0013	0.00083
319-84-6	alpha-BHC	ND		0.0013	0.00066
319-85-7	beta-BHC	ND		0.0013	0.0010
58-89-9	gamma-BHC (Lindane)	ND		0.0013	0.00080
319-86-8	delta-BHC	ND		0.0013	0.00038
57-74-9	Chlordane (technical)	ND		0.013	0.0017
72-54-8	4,4'-DDD	ND		0.0013	0.00067
72-55-9	4,4'-DDE	ND		0.0013	0.00079
50-29-3	4,4'-DDT	ND		0.0013	0.00074
60-57-1	Dieldrin	ND		0.0013	0.00082
959-98-8	Endosulfan I	ND		0.0013	0.00094
33213-65-9	Endosulfan II	ND		0.0013	0.00098
1031-07-8	Endosulfan sulfate	ND		0.0013	0.00057
72-20-8	Endrin	ND		0.0013	0.00096
7421-93-4	Endrin aldehyde	ND		0.0013	0.00090
76-44-8	Heptachlor	ND		0.0013	0.00099
1024-57-3	Heptachlor epoxide	ND		0.0013	0.00097
72-43-5	Methoxychlor	ND		0.0025	0.00091
8001-35-2	Toxaphene	ND		0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	90		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	81		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000994.D
Report Date: 27-Mar-2013 08:37

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000994.D
Lab Smp Id: mb 180-66997/1-a
Inj Date : 26-MAR-2013 21:18
Operator : 402331 Inst ID: gc15.i
Smp Info : mb 180-66997/1-a,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:29 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	345295	0.01809	0.01809(aR)
6 alpha-BHC	4.873	4.875	-0.002	965	5e-005	0.00004532(a)
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 beta-BHC	Compound Not Detected.					
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.487	5.491	-0.004	4305	2e-004	0.0002194(a)
12 Heptachlor	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
20 Heptachlor epoxide	6.260	6.236	0.024	1406	9e-005	0.00009270(a)
24 gamma-Chlordane	Compound Not Detected.					
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	6.820	6.801	0.019	1115	7e-005	0.00007287(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	Compound Not Detected.					
31 4,4'-DDD	Compound Not Detected.					
32 Endosulfan II	7.175	7.197	-0.022	1121	9e-005	0.00008703(a)
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	Compound Not Detected.					
35 Endosulfan sulfate	7.536	7.524	0.012	717	6e-005	0.00006175(a)
36 Methoxychlor	Compound Not Detected.					
37 Endrin ketone	7.945	7.957	-0.012	1985	8e-005	0.00007639(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.556	9.557	-0.001	115866	0.01631	0.01631

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000994.D
Report Date: 27-Mar-2013 08:37

QC Flag Legend

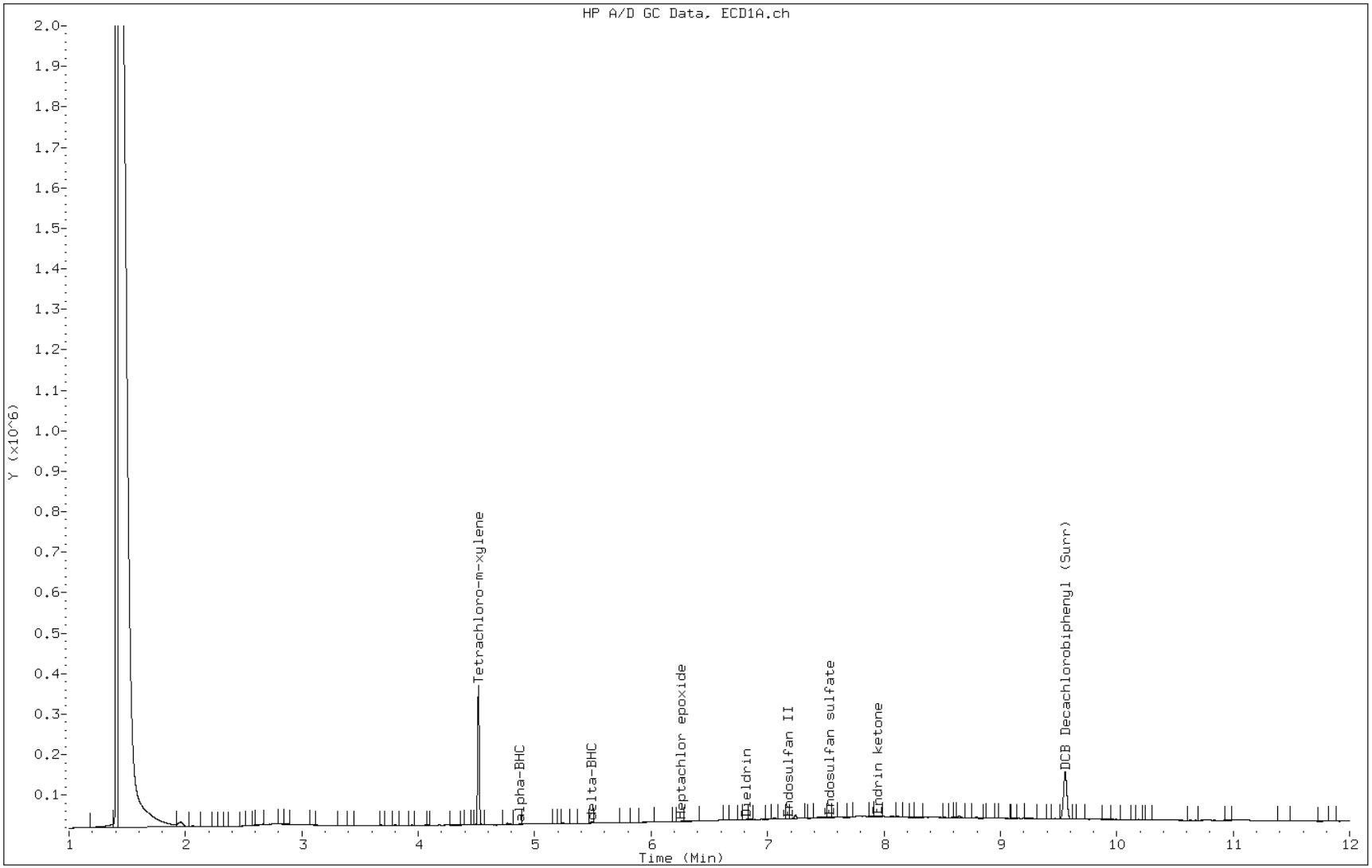
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: AQ0313000994.D

Date: 26-MAR-2013 21:18

Client ID: Instrument: gc15.i

Sample Info: mb 180-66997/1-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-66997/1-A
Matrix: Water
Lab File ID: BQ0313000994.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:18
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	79		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000994.D
Report Date: 27-Mar-2013 09:46

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000994.D
Lab Smp Id: mb 180-66997/1-a
Inj Date : 26-MAR-2013 21:18
Operator : 402331 Inst ID: gc15.i
Smp Info : mb 180-66997/1-a,2013.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:58 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.593	4.594	-0.001	296121	0.01868	0.01868(aR)
6 alpha-BHC	5.035	5.060	-0.025	688	5e-005	0.00005273(a)
7 gamma-BHC (Lindane)	5.332	5.361	-0.029	1068	8e-005	0.00007882(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	Compound Not Detected.					
11 Heptachlor	Compound Not Detected.					
13 delta-BHC	Compound Not Detected.					
17 Aldrin	5.917	5.943	-0.026	471	3e-005	0.00003492(a)
21 Heptachlor epoxide	Compound Not Detected.					
24 gamma-Chlordane	Compound Not Detected.					
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	6.991	6.999	-0.008	1058	9e-005	0.00008879(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	Compound Not Detected.					
30 4,4'-DDD	Compound Not Detected.					
32 Endosulfan II	Compound Not Detected.					
33 4,4'-DDT	Compound Not Detected.					
34 Endrin aldehyde	Compound Not Detected.					
35 Endosulfan sulfate	7.922	7.913	0.009	3658	4.e-004	0.0004034(a)
36 Methoxychlor	Compound Not Detected.					
38 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	9.984	9.985	-0.001	84776	0.01582	0.01582

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000994.D
Report Date: 27-Mar-2013 09:46

QC Flag Legend

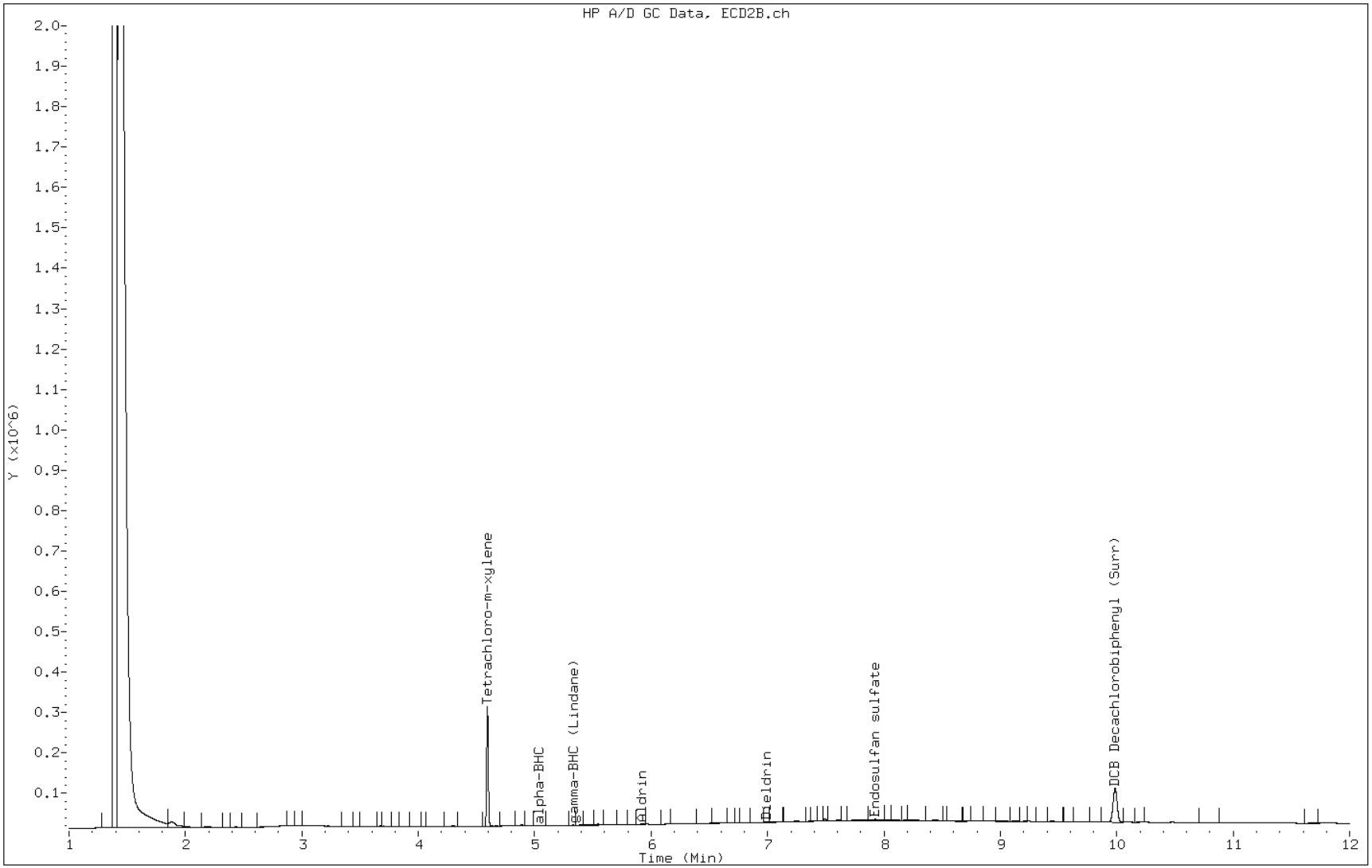
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: BQ0313000994.D

Date: 26-MAR-2013 21:18

Client ID: Instrument: gc15.i

Sample Info: mb 180-66997/1-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66997/2-A
Matrix: Water
Lab File ID: AQ0313000912.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/25/2013 17:27
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67287
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2385-85-5	Mirex	ND		0.0013	0.00048

Data File: \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000912.D
Report Date: 26-Mar-2013 06:54

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000912.D
Lab Smp Id: lcs 180-66997/2-a
Inj Date : 25-MAR-2013 17:27
Operator : 402331 Inst ID: gc15.i
Smp Info : lcs 180-66997/2-a
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\032513608APP.b\TPEST608A1.m
Meth Date : 26-Mar-2013 06:53 oravecj Quant Type: ESTD
Cal Date : 19-MAR-2013 13:52 Cal File: AQ0313000614.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: APPX1.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
2 HCCPD	Compound Not Detected.					
5 Hexachlorobenzene	4.873	4.855	0.018	2365	1e-004	0.0001255(a)
10 Dacthal	Compound Not Detected.					
14 Isodrin	6.094	6.094	0.000	5254	9e-004	0.0009331(a)
15 OXYCHLORDANE	Compound Not Detected.					
19 Chlorbenside	6.393	6.415	-0.022	303894	0.07366	0.07366
38 Mirex	Compound Not Detected.					

QC Flag Legend

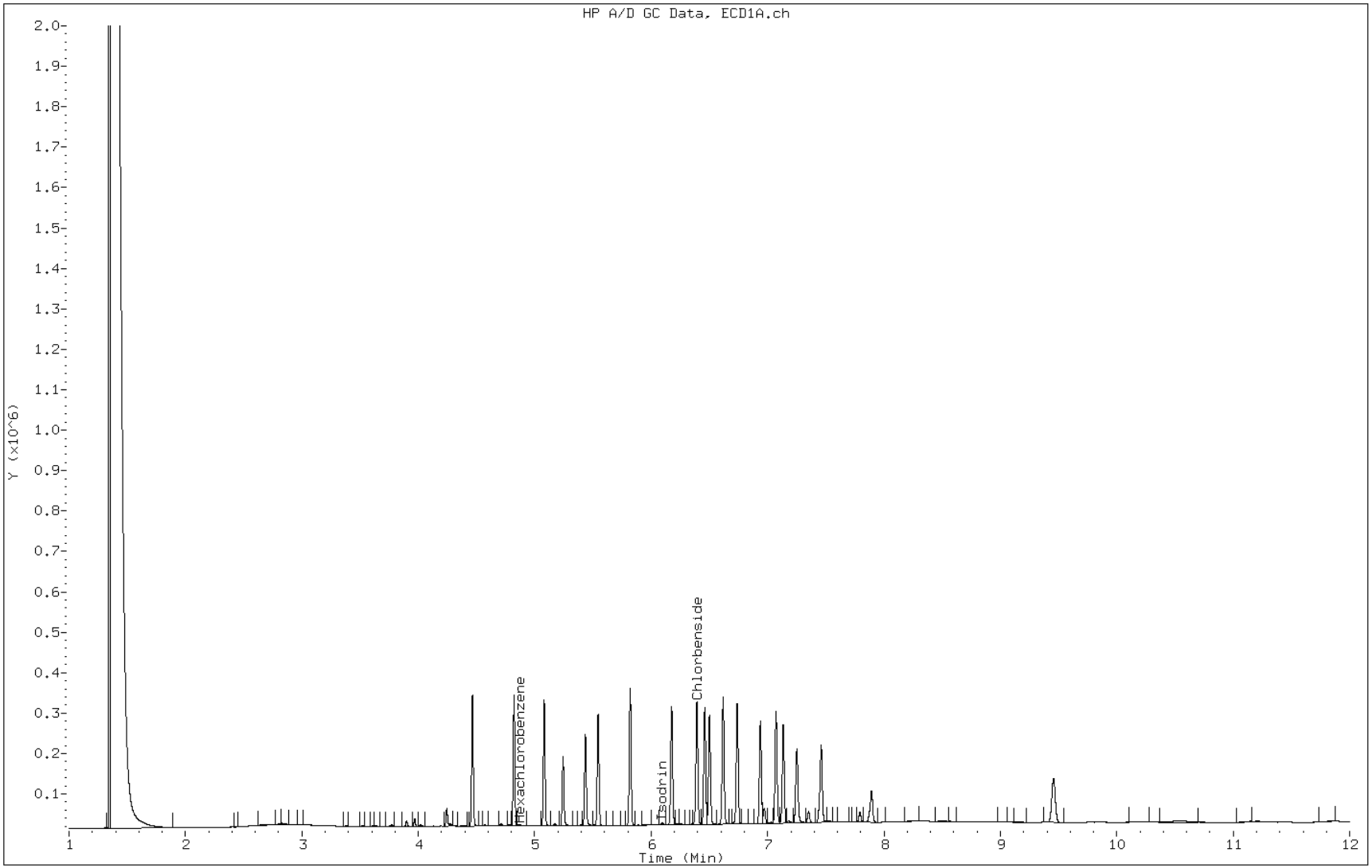
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: AQ0313000912.D

Date: 25-MAR-2013 17:27

Client ID: Instrument: gc15.i

Sample Info: lcs 180-66997/2-a Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66997/2-A
Matrix: Water
Lab File ID: AQ0313000995.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:34
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0201		0.0013	0.00083
319-84-6	alpha-BHC	0.0197		0.0013	0.00066
319-85-7	beta-BHC	0.0203		0.0013	0.0010
58-89-9	gamma-BHC (Lindane)	0.0204		0.0013	0.00080
319-86-8	delta-BHC	0.0165		0.0013	0.00038
57-74-9	Chlordane (technical)	ND		0.013	0.0017
72-54-8	4,4'-DDD	0.0200		0.0013	0.00067
72-55-9	4,4'-DDE	0.0192		0.0013	0.00079
60-57-1	Dieldrin	0.0193		0.0013	0.00082
959-98-8	Endosulfan I	0.0196		0.0013	0.00094
33213-65-9	Endosulfan II	0.0194		0.0013	0.00098
1031-07-8	Endosulfan sulfate	0.0192		0.0013	0.00057
72-20-8	Endrin	0.0199		0.0013	0.00096
7421-93-4	Endrin aldehyde	0.0204		0.0013	0.00090
76-44-8	Heptachlor	0.0214		0.0013	0.00099
1024-57-3	Heptachlor epoxide	0.0200		0.0013	0.00097
8001-35-2	Toxaphene	ND		0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	82		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000995.D
Report Date: 27-Mar-2013 08:37

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000995.D
Lab Smp Id: lcs 180-66997/2-a
Inj Date : 26-MAR-2013 21:34
Operator : 402331 Inst ID: gc15.i
Smp Info : lcs 180-66997/2-a
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:29 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	337728	0.01770	0.01770(aR)
6 alpha-BHC	4.875	4.875	0.000	418472	0.01965	0.01965(a)
7 gamma-BHC (Lindane)	5.135	5.135	0.000	401099	0.02042	0.02042(a)
8 beta-BHC	5.296	5.296	0.000	185367	0.02025	0.02025(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.490	5.491	-0.001	324363	0.01653	0.01653(a)
12 Heptachlor	5.601	5.602	-0.001	341798	0.02143	0.02143(a)
17 Aldrin	5.879	5.878	0.001	348547	0.02010	0.02010(a)
20 Heptachlor epoxide	6.235	6.236	-0.001	302739	0.01996	0.01996(a)
24 gamma-Chlordane	6.453	6.453	0.000	304493	0.01940	0.01940(a)
25 alpha-Chlordane	6.519	6.520	-0.001	289035	0.01904	0.01904(a)
26 Endosulfan I	6.562	6.562	0.000	271577	0.01956	0.01956(a)
27 4,4'-DDE	6.677	6.677	0.000	307468	0.01917	0.01917(a)
28 Dieldrin	6.800	6.801	-0.001	295476	0.01931	0.01931(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	7.000	6.999	0.001	257281	0.01988	0.01988(a)
31 4,4'-DDD	7.132	7.133	-0.001	242008	0.01996	0.01996(a)
32 Endosulfan II	7.197	7.197	0.000	249539	0.01937	0.01937(a)
33 Endrin aldehyde	7.314	7.314	0.000	194034	0.02044	0.02044(a)
34 4,4'-DDT	7.412	7.412	0.000	168830	0.02120	0.02120(a)
35 Endosulfan sulfate	7.524	7.524	0.000	222865	0.01919	0.01919(a)
36 Methoxychlor	7.853	7.853	0.000	99826	0.02168	0.02168(a)
37 Endrin ketone	7.958	7.957	0.001	179613	0.02048	0.02048(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.556	9.557	-0.001	117053	0.01648	0.01648

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000995.D
Report Date: 27-Mar-2013 08:37

QC Flag Legend

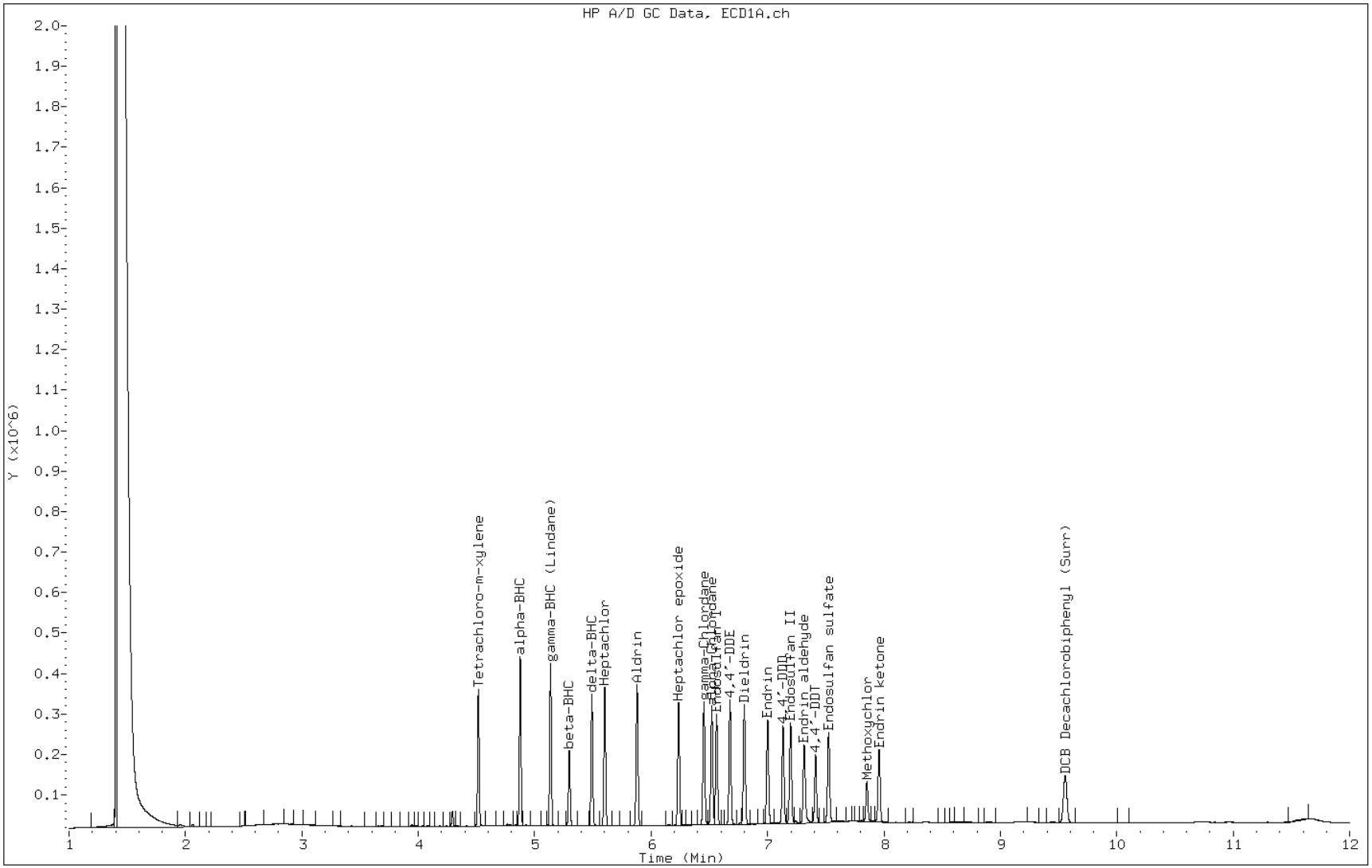
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: AQ0313000995.D

Date: 26-MAR-2013 21:34

Client ID: Instrument: gc15.i

Sample Info: lcs 180-66997/2-a Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66997/2-A
Matrix: Water
Lab File ID: BQ0313000995.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:34
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-29-3	4,4'-DDT	0.0207		0.0013	0.00074
72-43-5	Methoxychlor	0.0214		0.0025	0.00091

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	82		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000995.D
Report Date: 27-Mar-2013 09:06

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000995.D
Lab Smp Id: lcs 180-66997/2-a
Inj Date : 26-MAR-2013 21:34
Operator : 402331 Inst ID: gc15.i
Smp Info : lcs 180-66997/2-a
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:58 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.593	4.594	-0.001	280411	0.01769	0.01769(aR)
6 alpha-BHC	5.060	5.060	0.000	269880	0.02068	0.02068(a)
7 gamma-BHC (Lindane)	5.361	5.361	0.000	277755	0.02050	0.02050(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	5.606	5.607	-0.001	145492	0.02036	0.02036(a)
11 Heptachlor	5.676	5.677	-0.001	235864	0.02171	0.02171(a)
13 delta-BHC	5.833	5.833	0.000	217399	0.01679	0.01679(a)
17 Aldrin	5.943	5.943	0.000	276503	0.02050	0.02050(a)
21 Heptachlor epoxide	6.396	6.397	-0.001	236314	0.01984	0.01984(a)
24 gamma-Chlordane	6.624	6.625	-0.001	243841	0.01968	0.01968(a)
25 alpha-Chlordane	6.685	6.685	0.000	235628	0.01933	0.01933(a)
26 Endosulfan I	6.751	6.752	-0.001	214833	0.01961	0.01960(a)
27 4,4'-DDE	6.831	6.832	-0.001	258768	0.01959	0.01959(a)
28 Dieldrin	6.998	6.999	-0.001	234977	0.01972	0.01972(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.266	7.267	-0.001	193296	0.02013	0.02013(a)
30 4,4'-DDD	7.354	7.355	-0.001	180115	0.01964	0.01964(a)
32 Endosulfan II	7.536	7.537	-0.001	203353	0.01990	0.01990(a)
33 4,4'-DDT	7.598	7.600	-0.002	114931	0.02073	0.02073(a)
34 Endrin aldehyde	7.704	7.706	-0.002	140514	0.01971	0.01971(a)
35 Endosulfan sulfate	7.912	7.913	-0.001	175061	0.01930	0.01930(a)
36 Methoxychlor	8.140	8.141	-0.001	66026	0.02136	0.02136(a)
38 Endrin ketone	8.470	8.468	0.002	71785	0.02003	0.02003(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.984	9.985	-0.001	88506	0.01653	0.01653

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000995.D
Report Date: 27-Mar-2013 09:06

QC Flag Legend

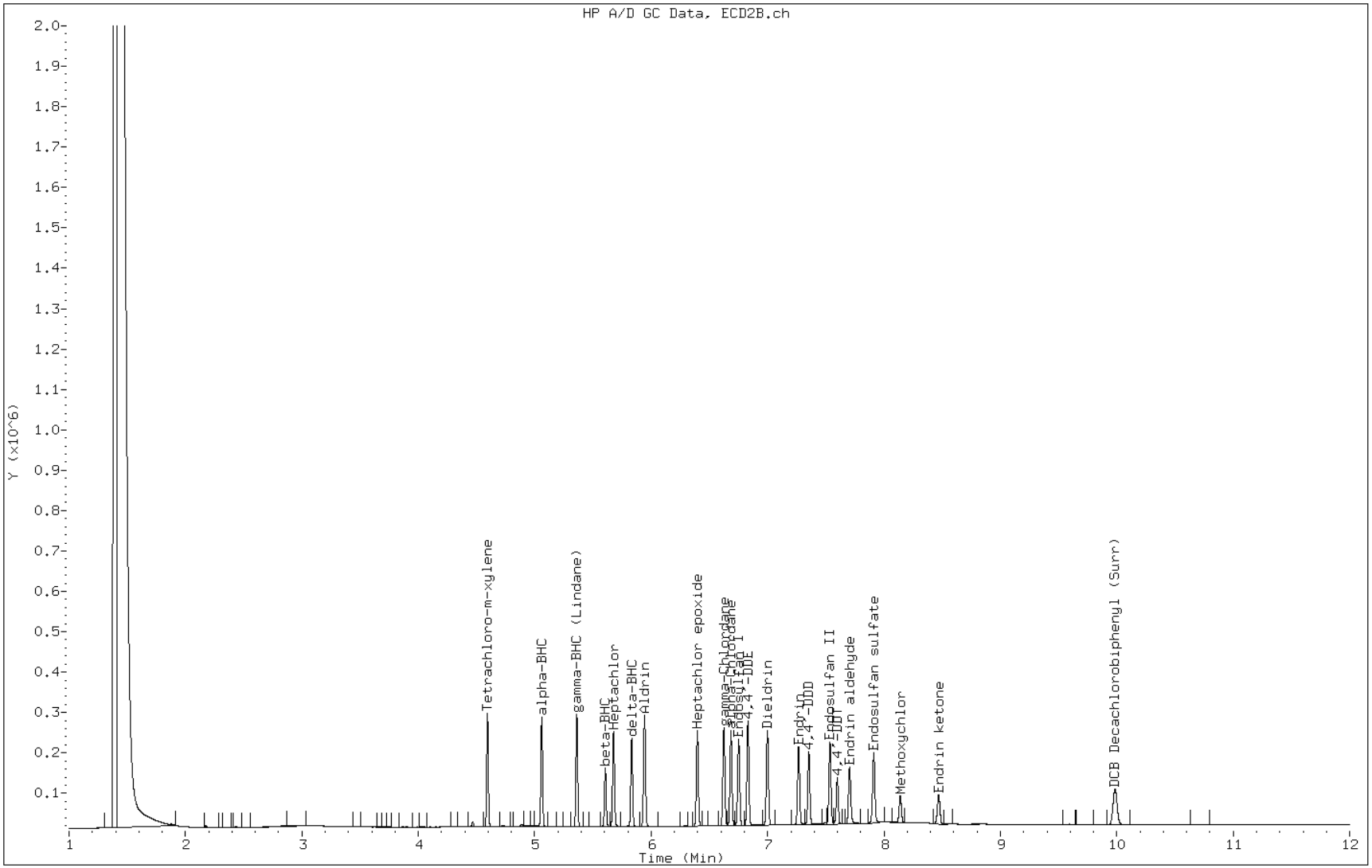
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: BQ0313000995.D

Date: 26-MAR-2013 21:34

Client ID: Instrument: gc15.i

Sample Info: lcs 180-66997/2-a Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66997/4-A
Matrix: Water
Lab File ID: P0330836.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 14:54
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67227
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.968		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0014
11096-82-5	PCB-1260	0.975		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	99		57-144

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330836.D
Report Date: 25-Mar-2013 13:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330836.D
Lab Smp Id: LCS 180-66997/4-A
Inj Date : 22-MAR-2013 14:54
Operator : 402360 Inst ID: gc8.i
Smp Info : 03223B8608.b
Misc Info : LCS 180-66997/4-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\03223B8608.b\PCBB608.m
Meth Date : 25-Mar-2013 13:48 gc8.i Quant Type: ESTD
Cal Date : 08-MAR-2013 22:13 Cal File: P0330321.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.004	4.015	-0.011	335745	0.02093	0.020926		(R)
1 Aroclor-1221					CAS #: 11104-28-2		
Operator disabled compound identification.							
4 Aroclor-1016					CAS #: 12674-11-2		
4.826	4.838	-0.012	274990	0.96968	0.96968	0.00- 0.00	0.00(a)
5.496	5.508	-0.012	558173	0.98010	0.98010	100.00- 100.00	0.00
5.821	5.835	-0.014	167887	0.98843	0.98843	223.51- 223.51	0.00
5.899	5.914	-0.015	211908	0.94955	0.94955	223.51- 223.51	0.00
6.618	6.631	-0.013	318760	0.95374	0.95374	317.56- 317.56	0.00
Average of Peak Concentrations =					0.96830		
3 Aroclor-1232					CAS #: 11141-16-5		
Operator disabled compound identification.							
6 Aroclor-1248					CAS #: 12672-29-6		
Operator disabled compound identification.							

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330836.D
Report Date: 25-Mar-2013 13:48

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

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

Operator disabled compound identification.
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Operator disabled compound identification.
-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5
8.628    8.640   -0.012          815607 0.95586  0.95586   0.00-   0.00     0.00(a)
8.871    8.882   -0.011         1066088 0.95860  0.95860 115.86- 115.86     0.00
9.237    9.248   -0.011         1070776 0.97420  0.97420 136.91- 136.91     0.00
9.664    9.677   -0.013          628934 0.98490  0.98490 140.00- 140.00     0.00
10.018  10.031   -0.013         1507463 0.99968  0.99968 128.33- 128.33     0.00
               Average of Peak Concentrations =  0.97465
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)                CAS #: 2051-24-3
12.573  12.599   -0.026          171467 0.01985  0.019854                      (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

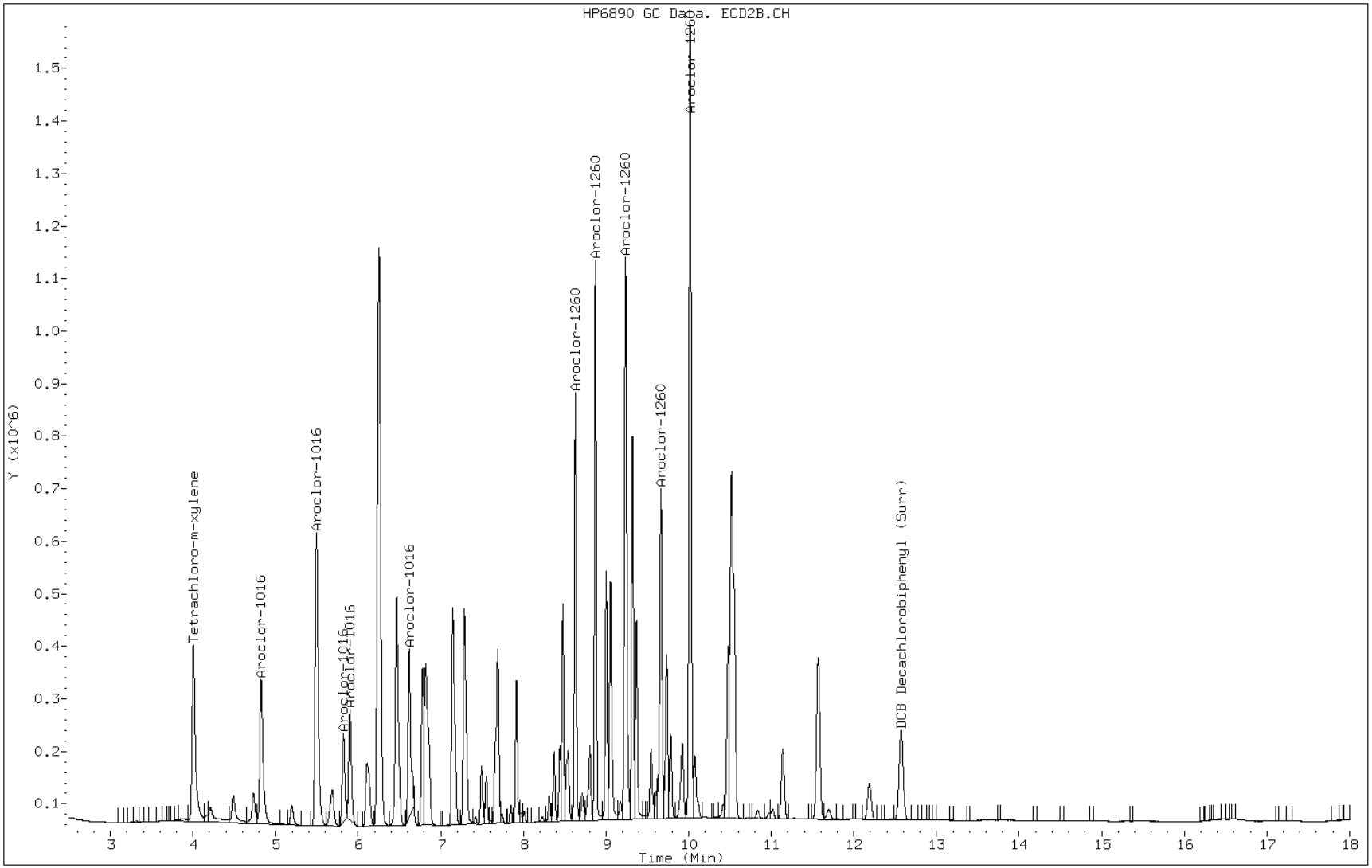
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: P0330836.D

Date: 22-MAR-2013 14:54

Client ID: Instrument: gc8.i

Sample Info: 03223B8608.b Operator: 402360



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66997/3-A
Matrix: Water
Lab File ID: AQ0313000913.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/25/2013 17:42
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67287
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2385-85-5	Mirex	ND		0.0013	0.00048

Data File: \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000913.D
Report Date: 26-Mar-2013 06:54

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\032513608APP.b\AQ0313000913.D
Lab Smp Id: lcsd 180-66997/3-a
Inj Date : 25-MAR-2013 17:42
Operator : 402331 Inst ID: gc15.i
Smp Info : lcsd 180-66997/3-a,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\032513608APP.b\TPEST608A1.m
Meth Date : 26-Mar-2013 06:53 oravecj Quant Type: ESTD
Cal Date : 19-MAR-2013 13:52 Cal File: AQ0313000614.D
Als bottle: 34
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: APPX1.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
2 HCCPD	Compound Not Detected.					
5 Hexachlorobenzene	4.870	4.855	0.015	2341	1e-004	0.0001242(a)
10 Dacthal	Compound Not Detected.					
14 Isodrin	6.094	6.094	0.000	5500	1e-003	0.0009768(a)
15 OXYCHLORDANE	Compound Not Detected.					
19 Chlorbenside	6.393	6.415	-0.022	310080	0.07503	0.07503
38 Mirex	Compound Not Detected.					

QC Flag Legend

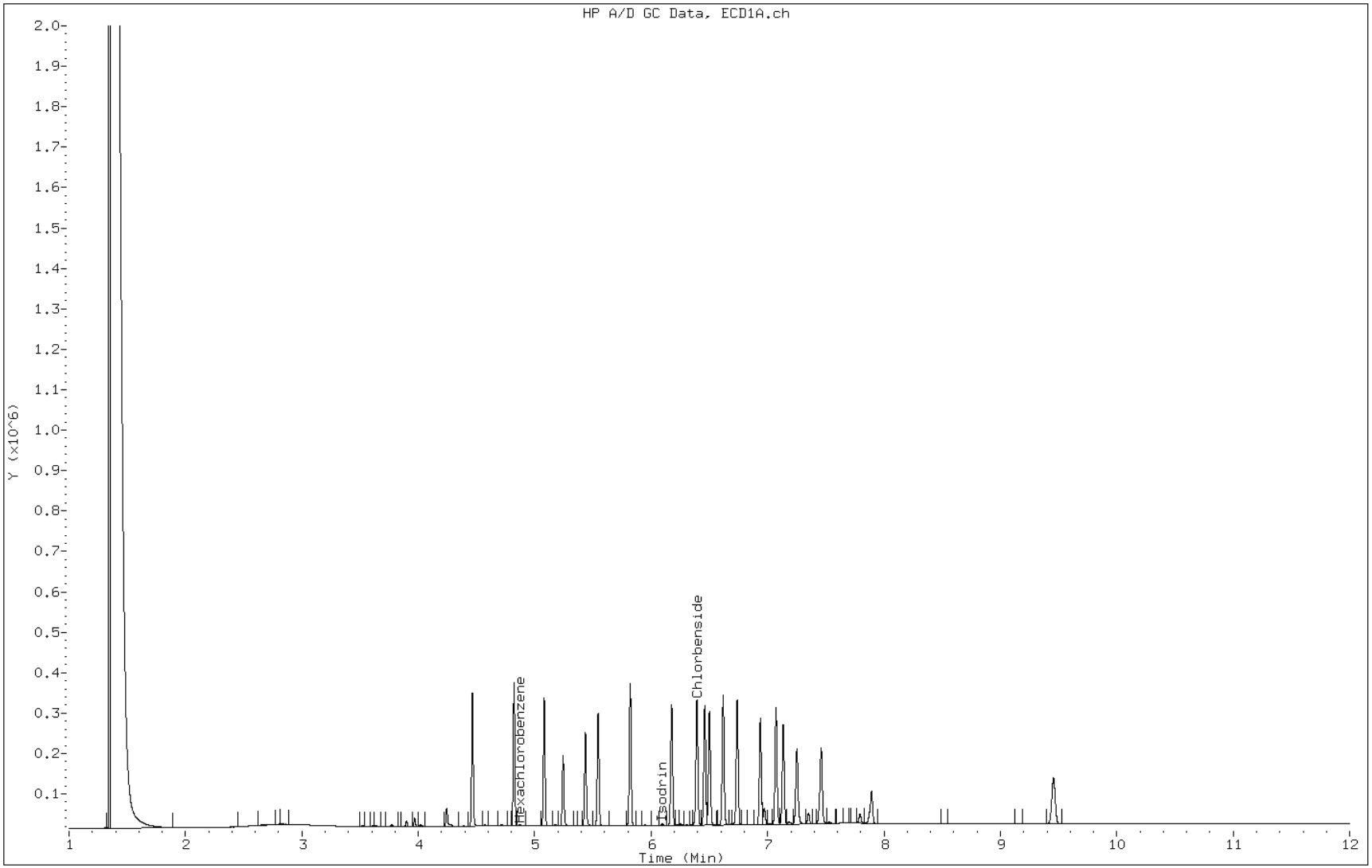
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: AQ0313000913.D

Date: 25-MAR-2013 17:42

Client ID: Instrument: gc15.i

Sample Info: lcsd 180-66997/3-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66997/3-A
Matrix: Water
Lab File ID: AQ0313000996.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:49
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0172		0.0013	0.00083
319-84-6	alpha-BHC	0.0183		0.0013	0.00066
319-85-7	beta-BHC	0.0183		0.0013	0.0010
58-89-9	gamma-BHC (Lindane)	0.0184		0.0013	0.00080
319-86-8	delta-BHC	0.0143		0.0013	0.00038
57-74-9	Chlordane (technical)	ND		0.013	0.0017
72-54-8	4,4'-DDD	0.0156		0.0013	0.00067
72-55-9	4,4'-DDE	0.0156		0.0013	0.00079
60-57-1	Dieldrin	0.0156		0.0013	0.00082
959-98-8	Endosulfan I	0.0161		0.0013	0.00094
33213-65-9	Endosulfan II	0.0155		0.0013	0.00098
1031-07-8	Endosulfan sulfate	0.0143		0.0013	0.00057
72-20-8	Endrin	0.0156		0.0013	0.00096
7421-93-4	Endrin aldehyde	0.0159		0.0013	0.00090
76-44-8	Heptachlor	0.0190		0.0013	0.00099
1024-57-3	Heptachlor epoxide	0.0171		0.0013	0.00097
8001-35-2	Toxaphene	ND		0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	66		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000996.D
Report Date: 27-Mar-2013 08:37

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000996.D
Lab Smp Id: lcsd 180-66997/3-a
Inj Date : 26-MAR-2013 21:49
Operator : 402331 Inst ID: gc15.i
Smp Info : lcsd 180-66997/3-a,2013.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608A1.m
Meth Date : 27-Mar-2013 08:29 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: AQ0313000973.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.516	4.516	0.000	314043	0.01645	0.01645(aR)
6 alpha-BHC	4.875	4.875	0.000	389055	0.01827	0.01827(a)
7 gamma-BHC (Lindane)	5.136	5.135	0.001	361543	0.01841	0.01841(a)
8 beta-BHC	5.297	5.296	0.001	168198	0.01834	0.01834(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.490	5.491	-0.001	279561	0.01425	0.01425(a)
12 Heptachlor	5.602	5.602	0.000	302935	0.01900	0.01900(a)
17 Aldrin	5.878	5.878	0.000	297890	0.01718	0.01718(a)
20 Heptachlor epoxide	6.236	6.236	0.000	258989	0.01708	0.01708(a)
24 gamma-Chlordane	6.453	6.453	0.000	253954	0.01618	0.01618(a)
25 alpha-Chlordane	6.520	6.520	0.000	236360	0.01557	0.01557(a)
26 Endosulfan I	6.562	6.562	0.000	224145	0.01614	0.01614(a)
27 4,4'-DDE	6.677	6.677	0.000	251249	0.01560	0.01560(a)
28 Dieldrin	6.801	6.801	0.000	239243	0.01564	0.01564(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	6.999	6.999	0.000	203112	0.01559	0.01559(a)
31 4,4'-DDD	7.133	7.133	0.000	190061	0.01563	0.01563(a)
32 Endosulfan II	7.198	7.197	0.001	199299	0.01547	0.01547(a)
33 Endrin aldehyde	7.314	7.314	0.000	151664	0.01586	0.01586(a)
34 4,4'-DDT	7.412	7.412	0.000	118724	0.01517	0.01517(a)
35 Endosulfan sulfate	7.525	7.524	0.001	166078	0.01430	0.01430(a)
36 Methoxychlor	7.853	7.853	0.000	70139	0.01524	0.01524(a)
37 Endrin ketone	7.957	7.957	0.000	133569	0.01517	0.01517(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.556	9.557	-0.001	94449	0.01322	0.01322

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\AQ0313000996.D
Report Date: 27-Mar-2013 08:37

QC Flag Legend

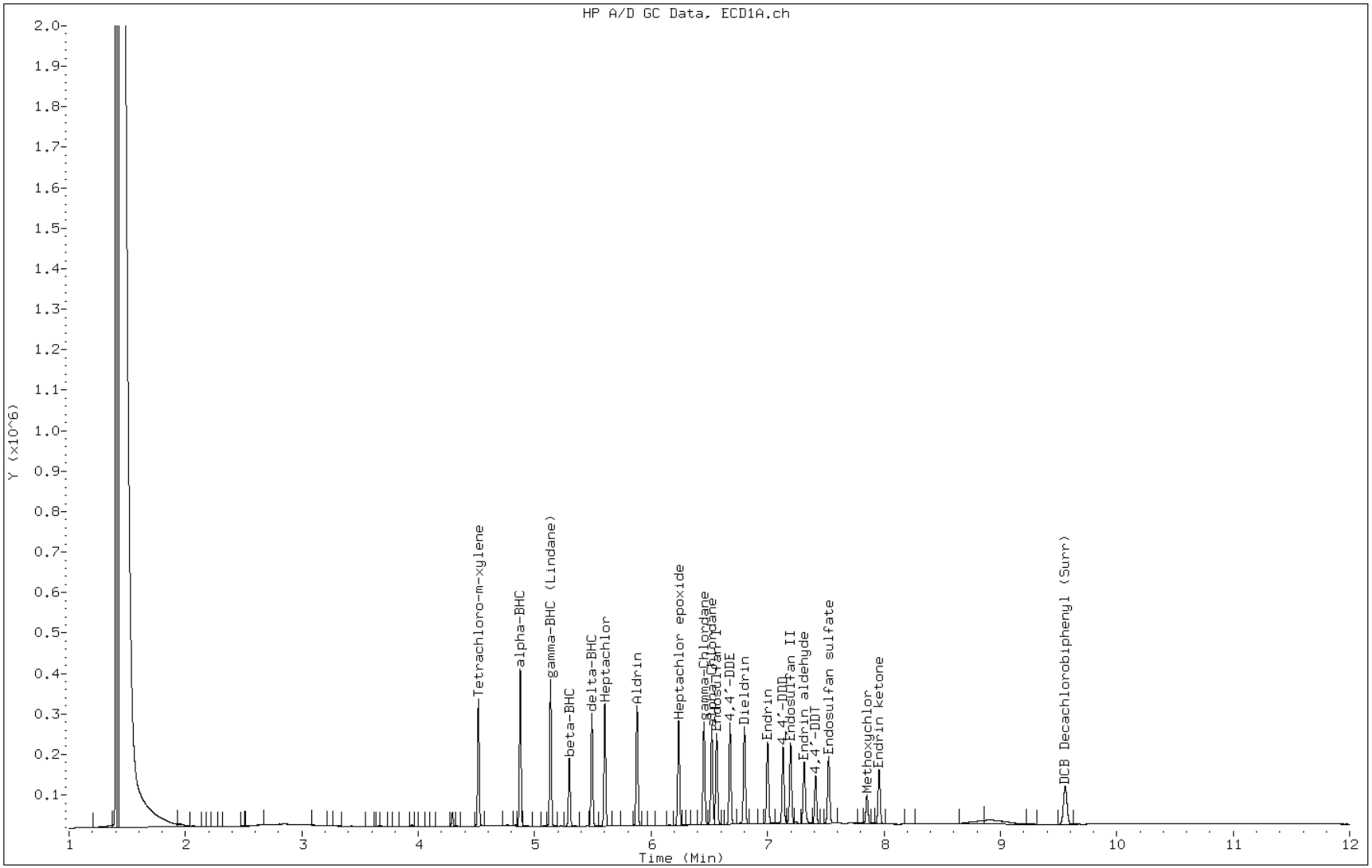
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: AQ0313000996.D

Date: 26-MAR-2013 21:49

Client ID: Instrument: gc15.i

Sample Info: lcsd 180-66997/3-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66997/3-A
Matrix: Water
Lab File ID: BQ0313000996.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/26/2013 21:49
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67462
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-29-3	4,4'-DDT	0.0161		0.0013	0.00074
72-43-5	Methoxychlor	0.0165		0.0025	0.00091

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	83		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	65		57-144

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000996.D
Report Date: 27-Mar-2013 09:06

TestAmerica

Data file : \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000996.D
Lab Smp Id: lcsd 180-66997/3-a
Inj Date : 26-MAR-2013 21:49
Operator : 402331 Inst ID: gc15.i
Smp Info : lcsd 180-66997/3-a,2013.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\D\chem\gc15.i\032613608.b\TPEST608B2.m
Meth Date : 27-Mar-2013 08:58 waclaskil Quant Type: ESTD
Cal Date : 26-MAR-2013 15:53 Cal File: BQ0313000973.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: TAIPIT0011

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.594	4.594	0.000	263613	0.01663	0.01663(aR)
6 alpha-BHC	5.060	5.060	0.000	249144	0.01909	0.01909(a)
7 gamma-BHC (Lindane)	5.361	5.361	0.000	254747	0.01880	0.01880(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	5.607	5.607	0.000	130023	0.01813	0.01813(a)
11 Heptachlor	5.677	5.677	0.000	209112	0.01925	0.01925(a)
13 delta-BHC	5.833	5.833	0.000	195332	0.01508	0.01508(a)
17 Aldrin	5.943	5.943	0.000	241221	0.01788	0.01788(a)
21 Heptachlor epoxide	6.397	6.397	0.000	198521	0.01655	0.01655(a)
24 gamma-Chlordane	6.625	6.625	0.000	205535	0.01659	0.01659(a)
25 alpha-Chlordane	6.685	6.685	0.000	194998	0.01600	0.01600(a)
26 Endosulfan I	6.752	6.752	0.000	179270	0.01620	0.01620(a)
27 4,4'-DDE	6.832	6.832	0.000	208884	0.01568	0.01568(a)
28 Dieldrin	6.999	6.999	0.000	193287	0.01622	0.01622(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.266	7.267	-0.001	154242	0.01591	0.01591(a)
30 4,4'-DDD	7.354	7.355	-0.001	142856	0.01545	0.01545(a)
32 Endosulfan II	7.535	7.537	-0.002	160409	0.01556	0.01556(a)
33 4,4'-DDT	7.598	7.600	-0.002	88041	0.01606	0.01606(a)
34 Endrin aldehyde	7.704	7.706	-0.002	111420	0.01551	0.01551(a)
35 Endosulfan sulfate	7.912	7.913	-0.001	134539	0.01484	0.01484(a)
36 Methoxychlor	8.139	8.141	-0.002	50956	0.01648	0.01648(a)
38 Endrin ketone	8.469	8.468	0.001	55472	0.01555	0.01555(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.984	9.985	-0.001	70833	0.01314	0.01314

Data File: \\pitsvr06\D\chem\gc15.i\032613608.b\BQ0313000996.D
Report Date: 27-Mar-2013 09:06

QC Flag Legend

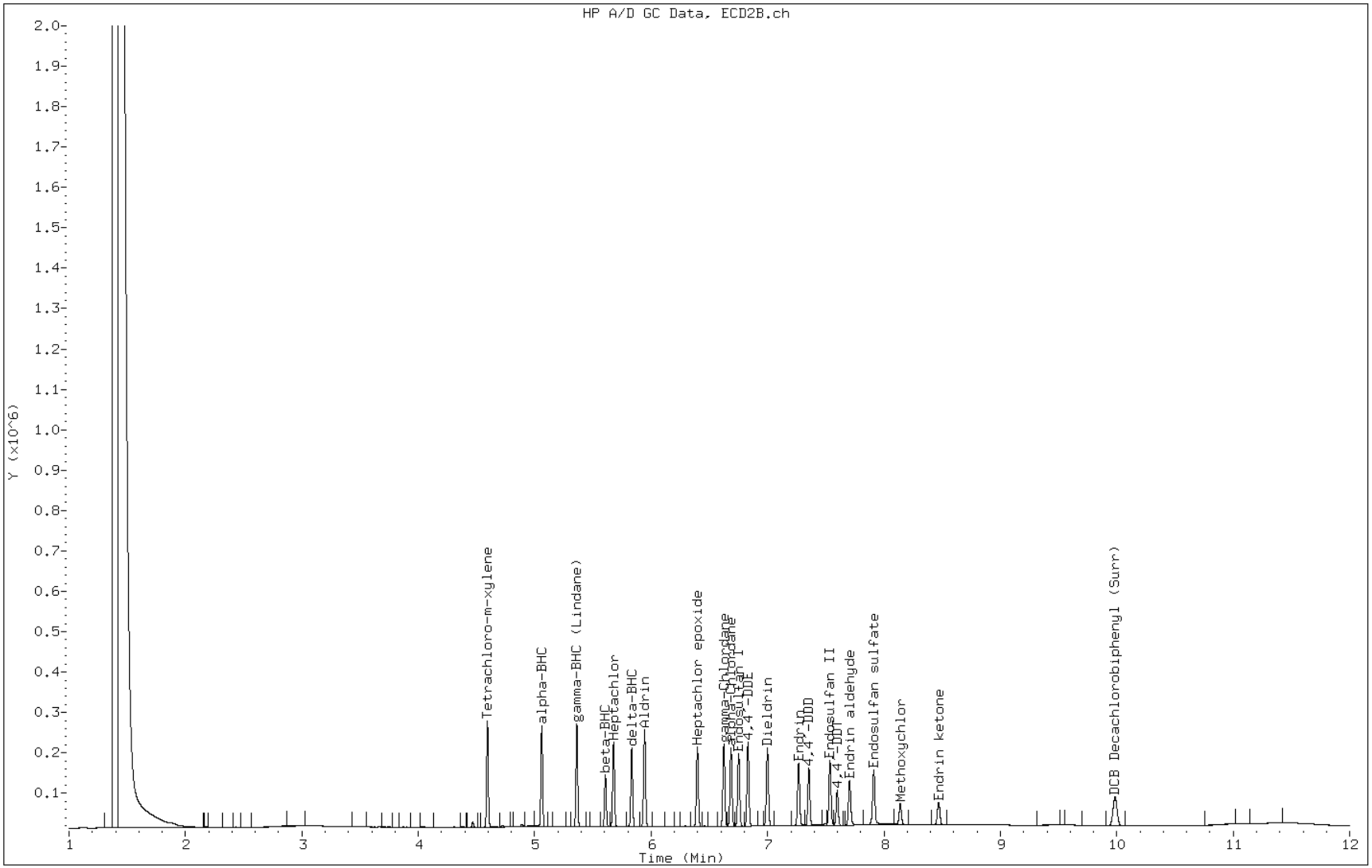
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: BQ0313000996.D

Date: 26-MAR-2013 21:49

Client ID: Instrument: gc15.i

Sample Info: lcsd 180-66997/3-a,2013.b Operator: 402331



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66997/5-A
Matrix: Water
Lab File ID: P0330837.D
Analysis Method: 608
Date Collected:
Extraction Method: 608
Date Extracted: 03/21/2013 13:40
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 15:18
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67227
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	1.01		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	0.913		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0014
11096-82-5	PCB-1260	1.01		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	109		36-129
2051-24-3	DCB Decachlorobiphenyl (Surr)	102		57-144

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330837.D
Report Date: 25-Mar-2013 13:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330837.D
Lab Smp Id: LCSD 180-66997/5-A
Inj Date : 22-MAR-2013 15:18
Operator : 402360 Inst ID: gc8.i
Smp Info : 03223B8608.b
Misc Info : LCSD 180-66997/5-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\03223B8608.b\PCBB608.m
Meth Date : 25-Mar-2013 13:48 gc8.i Quant Type: ESTD
Cal Date : 08-MAR-2013 22:13 Cal File: P0330321.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.004	4.015	-0.011	350443	0.02184	0.021842		(R)
1 Aroclor-1221					CAS #: 11104-28-2		
Operator disabled compound identification.							
4 Aroclor-1016					CAS #: 12674-11-2		
4.826	4.838	-0.012	286544	1.01043	1.0104	0.00- 0.00	0.00
5.494	5.508	-0.014	585658	1.02837	1.0284	100.00- 100.00	0.00
5.821	5.835	-0.014	176715	1.04040	1.0404	223.51- 223.51	0.00
5.899	5.914	-0.015	221375	0.99197	0.99197	223.51- 223.51	0.00
6.616	6.631	-0.015	332913	0.99609	0.99608	317.56- 317.56	0.00
Average of Peak Concentrations =					1.0134		
3 Aroclor-1232					CAS #: 11141-16-5		
Operator disabled compound identification.							
6 Aroclor-1248					CAS #: 12672-29-6		
Operator disabled compound identification.							
5 Aroclor-1242					CAS #: 53469-21-9		
6.465	6.476	-0.011	455649	1.22038	1.2204	0.00- 0.00	0.00(a)
6.616	6.628	-0.012	332913	1.21393	1.2139	330.13- 330.13	0.00
7.145	7.155	-0.010	438330	1.19363	1.1936	769.70- 769.70	0.00

Data File: \\pitsvr06\d\chem\gc8.i\03223B8608.b\P0330837.D
Report Date: 25-Mar-2013 13:48

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

    5 Aroclor-1242 (continued)
7.689    7.705   -0.016          344765 0.85852  0.85852 532.48- 532.48     0.00
7.966    7.976   -0.010           22001 0.07635  0.076348 334.30- 334.30     0.00
               Average of Peak Concentrations =  0.91256
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Operator disabled compound identification.
-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5
8.628    8.640   -0.012          846046 0.99153  0.99153   0.00-   0.00     0.00
8.870    8.882   -0.012         1102501 0.99134  0.99134 115.86- 115.86     0.00
9.235    9.248   -0.013         1107150 1.00730   1.0073 136.91- 136.91     0.00
9.663    9.677   -0.014          651109 1.01963   1.0196 140.00- 140.00     0.00
10.017  10.031   -0.014         1571689 1.04227   1.0423 128.33- 128.33     0.00
               Average of Peak Concentrations =   1.0104
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)                CAS #: 2051-24-3
12.573  12.599   -0.026          176571 0.02044  0.020444                      (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: P0330837.D

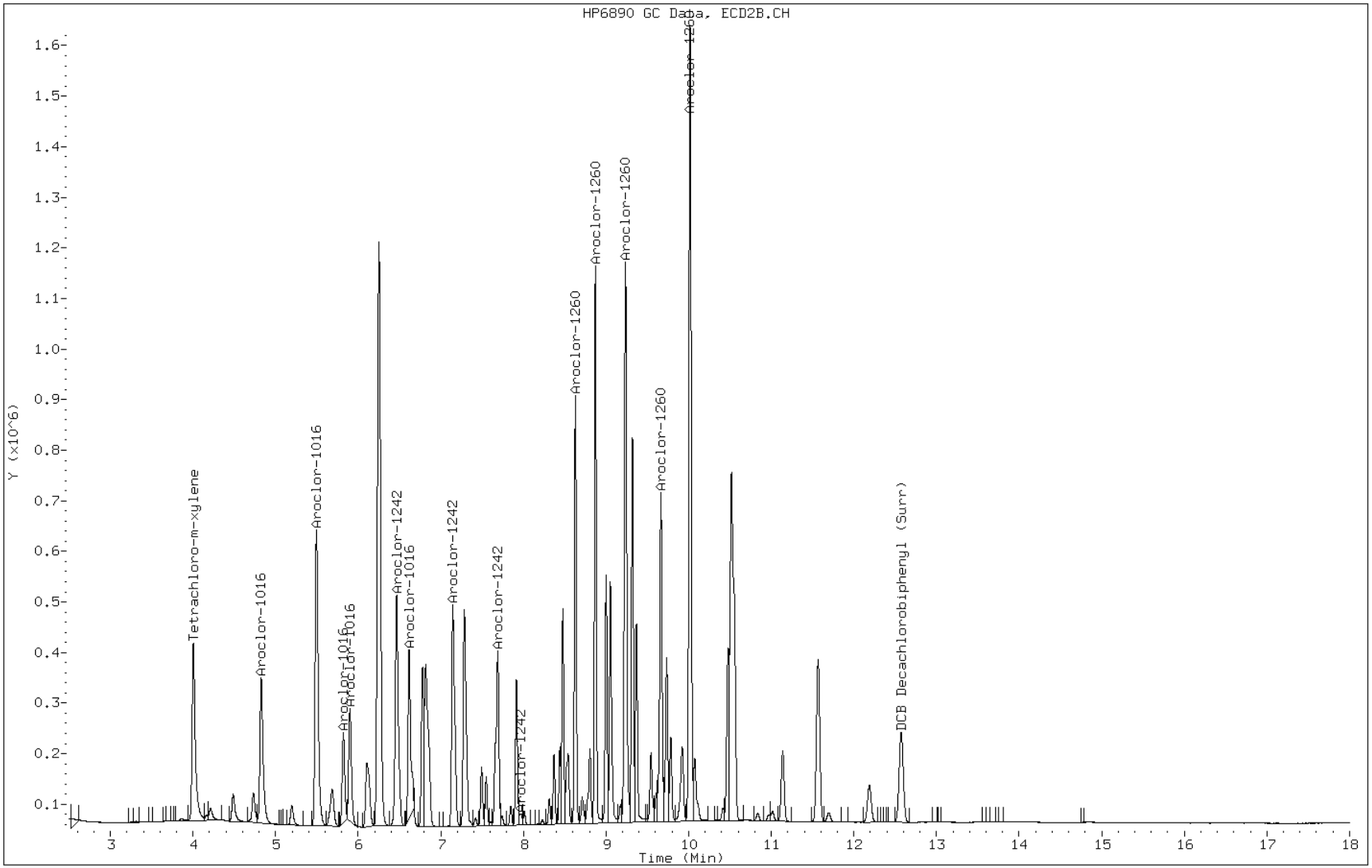
Date: 22-MAR-2013 15:18

Client ID:

Instrument: gc8.i

Sample Info: 03223B8608.b

Operator: 402360



PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC15 Start Date: 03/19/2013 10:15

Analysis Batch Number: 66746 End Date: 03/19/2013 19:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-66746/1		03/19/2013 10:15	1		MR-1 0.53(mm)
PEM 180-66746/1		03/19/2013 10:15	1		MR-2 0.53(mm)
IC 180-66746/2		03/19/2013 10:30	1		MR-1 0.53(mm)
IC 180-66746/2		03/19/2013 10:30	1		MR-2 0.53(mm)
IC 180-66746/3		03/19/2013 10:46	1		MR-1 0.53(mm)
IC 180-66746/3		03/19/2013 10:46	1		MR-2 0.53(mm)
IC 180-66746/4		03/19/2013 11:01	1	AQ0313000603.D	MR-1 0.53(mm)
IC 180-66746/4		03/19/2013 11:01	1	BQ0313000603.D	MR-2 0.53(mm)
IC 180-66746/5		03/19/2013 11:17	1	AQ0313000604.D	MR-1 0.53(mm)
IC 180-66746/5		03/19/2013 11:17	1	BQ0313000604.D	MR-2 0.53(mm)
IC 180-66746/6		03/19/2013 11:32	1	AQ0313000605.D	MR-1 0.53(mm)
IC 180-66746/6		03/19/2013 11:32	1	BQ0313000605.D	MR-2 0.53(mm)
IC 180-66746/7		03/19/2013 11:48	1	AQ0313000606.D	MR-1 0.53(mm)
IC 180-66746/7		03/19/2013 11:48	1	BQ0313000606.D	MR-2 0.53(mm)
IC 180-66746/8		03/19/2013 12:03	1	AQ0313000607.D	MR-1 0.53(mm)
IC 180-66746/8		03/19/2013 12:03	1	BQ0313000607.D	MR-2 0.53(mm)
IC 180-66746/9		03/19/2013 12:19	1	AQ0313000608.D	MR-1 0.53(mm)
IC 180-66746/9		03/19/2013 12:19	1	BQ0313000608.D	MR-2 0.53(mm)
IC 180-66746/10		03/19/2013 12:34	1		MR-1 0.53(mm)
IC 180-66746/10		03/19/2013 12:34	1		MR-2 0.53(mm)
IC 180-66746/11		03/19/2013 12:50	1		MR-1 0.53(mm)
IC 180-66746/11		03/19/2013 12:50	1		MR-2 0.53(mm)
ICRT 180-66746/12		03/19/2013 13:06	1		MR-1 0.53(mm)
ICRT 180-66746/12		03/19/2013 13:06	1		MR-2 0.53(mm)
IC 180-66746/13		03/19/2013 13:21	1		MR-1 0.53(mm)
IC 180-66746/13		03/19/2013 13:21	1		MR-2 0.53(mm)
IC 180-66746/14		03/19/2013 13:37	1		MR-1 0.53(mm)
IC 180-66746/14		03/19/2013 13:37	1		MR-2 0.53(mm)
IC 180-66746/15		03/19/2013 13:52	1		MR-1 0.53(mm)
IC 180-66746/15		03/19/2013 13:52	1		MR-2 0.53(mm)
ICV 180-66746/16		03/19/2013 14:08	1		MR-1 0.53(mm)
ICV 180-66746/16		03/19/2013 14:08	1		MR-2 0.53(mm)
ICV 180-66746/17		03/19/2013 14:23	1		MR-1 0.53(mm)
ICV 180-66746/17		03/19/2013 14:23	1		MR-2 0.53(mm)
PEM 180-66746/18		03/19/2013 14:39	1		MR-1 0.53(mm)
PEM 180-66746/18		03/19/2013 14:39	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 14:54	10		MR-1 0.53(mm)
ZZZZZ		03/19/2013 14:54	10		MR-2 0.53(mm)
ZZZZZ		03/19/2013 15:10	10		MR-1 0.53(mm)
ZZZZZ		03/19/2013 15:10	10		MR-2 0.53(mm)
ZZZZZ		03/19/2013 15:25	10		MR-1 0.53(mm)
ZZZZZ		03/19/2013 15:25	10		MR-2 0.53(mm)
ZZZZZ		03/19/2013 15:41	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 15:41	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 15:56	1		MR-1 0.53(mm)

608

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC15 Start Date: 03/19/2013 10:15

Analysis Batch Number: 66746 End Date: 03/19/2013 19:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/19/2013 15:56	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 16:12	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 16:12	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 16:27	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 16:27	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 16:43	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 16:43	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 16:58	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 16:58	1		MR-2 0.53(mm)
ZZZZZ		03/19/2013 17:14	1		MR-1 0.53(mm)
ZZZZZ		03/19/2013 17:14	1		MR-2 0.53(mm)
CCV 180-66746/29		03/19/2013 19:02	1		MR-1 0.53(mm)
CCV 180-66746/29		03/19/2013 19:02	1		MR-2 0.53(mm)
CCV 180-66746/30		03/19/2013 19:18	1		MR-1 0.53(mm)
CCV 180-66746/30		03/19/2013 19:18	1		MR-2 0.53(mm)

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC15 Start Date: 03/25/2013 14:36

Analysis Batch Number: 67287 End Date: 03/25/2013 19:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-67287/1		03/25/2013 14:36	1	AQ0313000901.D	MR-1 0.53(mm)
CCV 180-67287/1		03/25/2013 14:36	1	BQ0313000901.D	MR-2 0.53(mm)
460-52642-1	INFLUENT	03/25/2013 16:56	1	AQ0313000910.D	MR-1 0.53(mm)
460-52642-1	INFLUENT	03/25/2013 16:56	1	BQ0313000910.D	MR-2 0.53(mm)
MB 180-66997/1-A		03/25/2013 17:11	1	AQ0313000911.D	MR-1 0.53(mm)
MB 180-66997/1-A		03/25/2013 17:11	1	BQ0313000911.D	MR-2 0.53(mm)
LCS 180-66997/2-A		03/25/2013 17:27	1	AQ0313000912.D	MR-1 0.53(mm)
LCS 180-66997/2-A		03/25/2013 17:27	1	BQ0313000912.D	MR-2 0.53(mm)
LCSD 180-66997/3-A		03/25/2013 17:42	1	AQ0313000913.D	MR-1 0.53(mm)
LCSD 180-66997/3-A		03/25/2013 17:42	1	BQ0313000913.D	MR-2 0.53(mm)
CCV 180-67287/6		03/25/2013 19:31	1	AQ0313000920.D	MR-1 0.53(mm)
CCV 180-67287/6		03/25/2013 19:31	1	BQ0313000920.D	MR-2 0.53(mm)

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC15 Start Date: 03/26/2013 13:48

Analysis Batch Number: 67462 End Date: 03/27/2013 01:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-67462/1		03/26/2013 13:48	1	AQ0313000965.D	MR-1 0.53(mm)
PEM 180-67462/1		03/26/2013 13:48	1	BQ0313000965.D	MR-2 0.53(mm)
IC 180-67462/2		03/26/2013 14:04	1	AQ0313000966.D	MR-1 0.53(mm)
IC 180-67462/2		03/26/2013 14:04	1	BQ0313000966.D	MR-2 0.53(mm)
IC 180-67462/3		03/26/2013 14:19	1	AQ0313000967.D	MR-1 0.53(mm)
IC 180-67462/3		03/26/2013 14:19	1	BQ0313000967.D	MR-2 0.53(mm)
IC 180-67462/4		03/26/2013 14:35	1	AQ0313000968.D	MR-1 0.53(mm)
IC 180-67462/4		03/26/2013 14:35	1	BQ0313000968.D	MR-2 0.53(mm)
IC 180-67462/5		03/26/2013 14:50	1	AQ0313000969.D	MR-1 0.53(mm)
IC 180-67462/5		03/26/2013 14:50	1	BQ0313000969.D	MR-2 0.53(mm)
ICRT 180-67462/6		03/26/2013 15:06	1	AQ0313000970.D	MR-1 0.53(mm)
ICRT 180-67462/6		03/26/2013 15:06	1	BQ0313000970.D	MR-2 0.53(mm)
IC 180-67462/7		03/26/2013 15:22	1	AQ0313000971.D	MR-1 0.53(mm)
IC 180-67462/7		03/26/2013 15:22	1	BQ0313000971.D	MR-2 0.53(mm)
IC 180-67462/8		03/26/2013 15:37	1	AQ0313000972.D	MR-1 0.53(mm)
IC 180-67462/8		03/26/2013 15:37	1	BQ0313000972.D	MR-2 0.53(mm)
IC 180-67462/9		03/26/2013 15:53	1	AQ0313000973.D	MR-1 0.53(mm)
IC 180-67462/9		03/26/2013 15:53	1	BQ0313000973.D	MR-2 0.53(mm)
ICV 180-67462/10		03/26/2013 16:08	1	AQ0313000974.D	MR-1 0.53(mm)
ICV 180-67462/10		03/26/2013 16:08	1	BQ0313000974.D	MR-2 0.53(mm)
PEM 180-67462/11		03/26/2013 20:32	1	AQ0313000991.D	MR-1 0.53(mm)
PEM 180-67462/11		03/26/2013 20:32	1	BQ0313000991.D	MR-2 0.53(mm)
CCV 180-67462/12		03/26/2013 20:47	1	AQ0313000992.D	MR-1 0.53(mm)
CCV 180-67462/12		03/26/2013 20:47	1	BQ0313000992.D	MR-2 0.53(mm)
460-52642-1	INFLUENT	03/26/2013 21:03	1	AQ0313000993.D	MR-1 0.53(mm)
460-52642-1	INFLUENT	03/26/2013 21:03	1	BQ0313000993.D	MR-2 0.53(mm)
MB 180-66997/1-A		03/26/2013 21:18	1	AQ0313000994.D	MR-1 0.53(mm)
MB 180-66997/1-A		03/26/2013 21:18	1	BQ0313000994.D	MR-2 0.53(mm)
LCS 180-66997/2-A		03/26/2013 21:34	1	AQ0313000995.D	MR-1 0.53(mm)
LCS 180-66997/2-A		03/26/2013 21:34	1	BQ0313000995.D	MR-2 0.53(mm)
LCSD 180-66997/3-A		03/26/2013 21:49	1	AQ0313000996.D	MR-1 0.53(mm)
LCSD 180-66997/3-A		03/26/2013 21:49	1	BQ0313000996.D	MR-2 0.53(mm)
ZZZZZ		03/26/2013 22:05	1		MR-1 0.53(mm)
ZZZZZ		03/26/2013 22:05	1		MR-2 0.53(mm)
ZZZZZ		03/26/2013 22:20	1		MR-1 0.53(mm)
ZZZZZ		03/26/2013 22:20	1		MR-2 0.53(mm)
ZZZZZ		03/26/2013 22:36	1		MR-1 0.53(mm)
ZZZZZ		03/26/2013 22:36	1		MR-2 0.53(mm)
ZZZZZ		03/26/2013 22:51	1		MR-1 0.53(mm)
ZZZZZ		03/26/2013 22:51	1		MR-2 0.53(mm)
ZZZZZ		03/26/2013 23:07	1		MR-1 0.53(mm)
ZZZZZ		03/26/2013 23:07	1		MR-2 0.53(mm)
CCV 180-67462/22		03/27/2013 01:42	1	AQ0313001011.D	MR-1 0.53(mm)
CCV 180-67462/22		03/27/2013 01:42	1	BQ0313001011.D	MR-2 0.53(mm)

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC8 Start Date: 03/08/2013 13:38

Analysis Batch Number: 66077 End Date: 03/12/2013 15:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-66077/1		03/08/2013 13:38	1	P0330300.D	RTX-1701 0.53(mm)
IC 180-66077/2		03/08/2013 14:03	1	P0330301.D	RTX-1701 0.53(mm)
IC 180-66077/3		03/08/2013 14:27	1	P0330302.D	RTX-1701 0.53(mm)
IC 180-66077/4		03/08/2013 14:52	1	P0330303.D	RTX-1701 0.53(mm)
IC 180-66077/5		03/08/2013 15:16	1	P0330304.D	RTX-1701 0.53(mm)
IC 180-66077/6		03/08/2013 15:41	1	P0330305.D	RTX-1701 0.53(mm)
IC 180-66077/7		03/08/2013 16:05	1	P0330306.D	RTX-1701 0.53(mm)
IC 180-66077/8		03/08/2013 16:30	1	P0330307.D	RTX-1701 0.53(mm)
IC 180-66077/9		03/08/2013 16:54	1	P0330308.D	RTX-1701 0.53(mm)
IC 180-66077/10		03/08/2013 17:19	1	P0330309.D	RTX-1701 0.53(mm)
IC 180-66077/11		03/08/2013 17:43	1	P0330310.D	RTX-1701 0.53(mm)
IC 180-66077/12		03/08/2013 18:08	1	P0330311.D	RTX-1701 0.53(mm)
IC 180-66077/13		03/08/2013 18:32	1	P0330312.D	RTX-1701 0.53(mm)
IC 180-66077/14		03/08/2013 18:57	1	P0330313.D	RTX-1701 0.53(mm)
IC 180-66077/15		03/08/2013 19:21	1	P0330314.D	RTX-1701 0.53(mm)
IC 180-66077/16		03/08/2013 19:46	1	P0330315.D	RTX-1701 0.53(mm)
IC 180-66077/17		03/08/2013 20:11	1		RTX-1701 0.53(mm)
IC 180-66077/18		03/08/2013 20:59	1	P0330318.D	RTX-1701 0.53(mm)
IC 180-66077/19		03/08/2013 21:24	1	P0330319.D	RTX-1701 0.53(mm)
IC 180-66077/20		03/08/2013 21:49	1	P0330320.D	RTX-1701 0.53(mm)
ICRT 180-66077/21		03/08/2013 22:13	1	P0330321.D	RTX-1701 0.53(mm)
IC 180-66077/22		03/08/2013 22:38	1	P0330322.D	RTX-1701 0.53(mm)
IC 180-66077/23		03/08/2013 23:02	1	P0330323.D	RTX-1701 0.53(mm)
IC 180-66077/24		03/08/2013 23:27	1	P0330324.D	RTX-1701 0.53(mm)
ICV 180-66077/25		03/08/2013 23:51	1		RTX-1701 0.53(mm)
ICV 180-66077/26		03/09/2013 00:16	1		RTX-1701 0.53(mm)
ICV 180-66077/27		03/09/2013 00:40	1		RTX-1701 0.53(mm)
ICV 180-66077/28		03/09/2013 01:05	1		RTX-1701 0.53(mm)
ICV 180-66077/29		03/09/2013 01:29	1		RTX-1701 0.53(mm)
ICV 180-66077/30		03/09/2013 01:54	1		RTX-1701 0.53(mm)
ICV 180-66077/31		03/09/2013 02:18	1		RTX-1701 0.53(mm)
CCV 180-66077/38		03/11/2013 12:19	1		RTX-1701 0.53(mm)
CCV 180-66077/39		03/11/2013 12:43	1		RTX-1701 0.53(mm)
CCV 180-66077/40		03/11/2013 13:08	1		RTX-1701 0.53(mm)
CCV 180-66077/41		03/11/2013 13:33	1		RTX-1701 0.53(mm)
CCV 180-66077/42		03/11/2013 13:57	1		RTX-1701 0.53(mm)
CCV 180-66077/43		03/11/2013 14:46	1		RTX-1701 0.53(mm)
IC 180-66077/32		03/12/2013 10:59	1		RTX-1701 0.53(mm)
IC 180-66077/33		03/12/2013 11:34	1		RTX-1701 0.53(mm)
IC 180-66077/34		03/12/2013 11:58	1		RTX-1701 0.53(mm)
CCVRT 180-66077/35		03/12/2013 12:23	1		RTX-1701 0.53(mm)
ZZZZZ		03/12/2013 12:48	1		RTX-1701 0.53(mm)
ZZZZZ		03/12/2013 13:12	1		RTX-1701 0.53(mm)
ZZZZZ		03/12/2013 13:37	1		RTX-1701 0.53(mm)
ZZZZZ		03/12/2013 14:02	1		RTX-1701 0.53(mm)

608

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC8 Start Date: 03/08/2013 13:38

Analysis Batch Number: 66077 End Date: 03/12/2013 15:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/12/2013 14:26	1		RTX-1701 0.53(mm)
CCV 180-66077/47		03/12/2013 14:51	1		RTX-1701 0.53(mm)
CCV 180-66077/48		03/12/2013 15:16	1		RTX-1701 0.53(mm)

608

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC8 Start Date: 03/20/2013 19:47

Analysis Batch Number: 67227 End Date: 03/22/2013 16:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-67227/1		03/20/2013 19:47	1	P0330769.D	RTX-1701 0.53(mm)
CCV 180-67227/2		03/20/2013 20:12	1	P0330770.D	RTX-1701 0.53(mm)
CCV 180-67227/3		03/20/2013 20:36	1	P0330771.D	RTX-1701 0.53(mm)
CCV 180-67227/4		03/20/2013 21:01	1	P0330772.D	RTX-1701 0.53(mm)
CCV 180-67227/5		03/20/2013 21:25	1		RTX-1701 0.53(mm)
CCV 180-67227/6		03/20/2013 21:50	1		RTX-1701 0.53(mm)
CCV 180-67227/7		03/20/2013 22:14	1	P0330775.D	RTX-1701 0.53(mm)
CCVRT 180-67227/8		03/22/2013 13:40	1	P0330833.D	RTX-1701 0.53(mm)
460-52642-1	INFLUENT	03/22/2013 14:05	1	P0330834.D	RTX-1701 0.53(mm)
MB 180-66997/1-A		03/22/2013 14:29	1	P0330835.D	RTX-1701 0.53(mm)
LCS 180-66997/4-A		03/22/2013 14:54	1	P0330836.D	RTX-1701 0.53(mm)
LCSD 180-66997/5-A		03/22/2013 15:18	1	P0330837.D	RTX-1701 0.53(mm)
ZZZZZ		03/22/2013 16:57	1		RTX-1701 0.53(mm)
CCV 180-67227/14		03/22/2013 16:57	1	P0330841.D	RTX-1701 0.53(mm)

PESTICIDES/PCBS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Batch Number: 66997 Batch Start Date: 03/21/13 13:40 Batch Analyst: Yushinski, Charles

Batch Method: 608 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	GCMATRIXWORKS 00006	op-p/pcb sur 00008	OPPESTMATRIX 00007
MB 180-66997/1		608, 608		6	1000 mL	1.0 mL		25 uL	
LCS 180-66997/2		608, 608		6	1000 mL	1.0 mL		25 uL	25 uL
LCSD 180-66997/3		608, 608		6	1000 mL	1.0 mL		25 uL	25 uL
LCS 180-66997/4		608, 608		6	1000 mL	1.0 mL	25 uL	25 uL	
LCSD 180-66997/5		608, 608		6	1000 mL	1.0 mL	25 uL	25 uL	
460-52642-F-1	INFLUENT	608, 608	T	6	980 mL	1.0 mL		25 uL	

Batch Notes	
Exchange Solvent Lot #	742343
Exchange Solvent Name	Hexane
N-evap #	1
N-evap temperature	21 Celsius
Na2SO4 Lot Number	763631
Prep Solvent Lot #	770348
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	180
Person's name who did the prep	CBY
Sufficient volume for MS/MSD?	no
Uncorrected N-evap Temperature	21 Celsius
Uncorrected Temperature	79 Celsius
Water Bath ID	1
Water Bath Temperature	79 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8141A

Organophosphorous Pesticides (GC) by Method 8141A

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-OPP1 ID: 0.53 (mm) GC Column (2): RTX-OPP2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TBPH1 #	TBPH2 #	TPP1 #	TPP2 #
INFLUENT	460-52642-1	99	99	97	94
	MB 180-66996/1-A	86	82	85	83
	LCS 180-66996/2-A	107	108	100	96
	LCSD 180-66996/3-A	107	108	97	94

	QC LIMITS
TBPH = Tributyl phosphate	49-122
TPP = Triphenylphosphate	45-145

Column to be used to flag recovery values

FORM II 8141A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: aj0330145.d

Lab ID: LCS 180-66996/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Guthion	10.0	11.8	118	40-150	
Chlorpyrifos	10.0	10.1	101	50-130	
Demeton-O	10.0	11.0	110	10-150	
Demeton-S	10.0	10.7	107	10-150	
Malathion	10.0	10.6	106	50-150	

Column to be used to flag recovery and RPD values

FORM III 8141A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: bj0330145.d

Lab ID: LCS 180-66996/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Parathion	10.0	10.3	103	56-125	

Column to be used to flag recovery and RPD values

FORM III 8141A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: aj0330146.d

Lab ID: LCSD 180-66996/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Guthion	10.0	11.7	117	1	30	40-150	
Chlorpyrifos	10.0	10.3	103	2	25	50-130	
Demeton-O	10.0	11.2	112	2	30	10-150	
Demeton-S	10.0	10.7	107	0	30	10-150	
Malathion	10.0	10.6	106	0	30	50-150	

Column to be used to flag recovery and RPD values

FORM III 8141A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Matrix: Water Level: Low Lab File ID: bj0330146.d

Lab ID: LCSD 180-66996/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Parathion	10.0	10.5	105	2	21	56-125	

Column to be used to flag recovery and RPD values

FORM III 8141A

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: MB 180-66996/1-A

Matrix: Water Date Extracted: 03/21/2013 13:30

Lab File ID:(1) aj0330144.d Lab File ID:(2) bj0330144.d

Date Analyzed:(1) 03/22/2013 11:39 Date Analyzed:(2) 03/22/2013 11:39

Instrument ID:(1) GC5 Instrument ID:(2) GC5

GC Column:(1) RTX-OPP1 ID: 0.53(mm) GC Column:(2) RTX-OPP2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
INFLUENT	460-52642-1	03/22/2013 11:10	03/22/2013 11:10
	LCS 180-66996/2-A	03/22/2013 12:07	03/22/2013 12:07
	LCSD 180-66996/3-A	03/22/2013 12:36	03/22/2013 12:36

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Sample No.: CCVRT 180-67073/1 Date Analyzed: 03/22/2013 10:13

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm)

Lab File ID (Standard): aj0330141.d Heated Purge: (Y/N) N

Calibration ID: 8494

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TBPH RT #	TPP RT #	
CONTINUING CALIBRATION SURROGATE				10.75	16.61	
UPPER LIMIT				10.80	16.66	
LOWER LIMIT				10.70	16.56	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-67073/1		03/22/2013 10:13	aj0330141.d	10.75	16.61	
460-52642-1	INFLUENT	03/22/2013 11:10	aj0330143.d	10.75	16.61	
MB 180-66996/1-A		03/22/2013 11:39	aj0330144.d	10.75	16.61	
LCS 180-66996/2-A		03/22/2013 12:07	aj0330145.d	10.75	16.61	
LCSD 180-66996/3-A		03/22/2013 12:36	aj0330146.d	10.75	16.61	
CCV 180-67073/7		03/22/2013 13:04	aj0330147.d	10.75	16.61	

TBPH = Tributyl phosphate
TPP = Triphenylphosphate

TBPH RT Limit = ± 0.05 minutes of surrogate RT
TPP RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8141A

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Sample No.: CCVRT 180-67073/1 Date Analyzed: 03/22/2013 10:13

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm)

Lab File ID (Standard): bj0330141.d Heated Purge: (Y/N) N

Calibration ID: 8496

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TBPH RT #	TPP RT #	
CONTINUING CALIBRATION SURROGATE				10.37	17.51	
UPPER LIMIT				10.42	17.56	
LOWER LIMIT				10.32	17.46	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-67073/1		03/22/2013 10:13	bj0330141.d	10.37	17.51	
460-52642-1	INFLUENT	03/22/2013 11:10	bj0330143.d	10.36	17.51	
MB 180-66996/1-A		03/22/2013 11:39	bj0330144.d	10.37	17.51	
LCS 180-66996/2-A		03/22/2013 12:07	bj0330145.d	10.36	17.51	
LCSD 180-66996/3-A		03/22/2013 12:36	bj0330146.d	10.36	17.51	
CCV 180-67073/7		03/22/2013 13:04	bj0330147.d	10.37	17.51	

TBPH = Tributyl phosphate
TPP = Triphenylphosphate

TBPH RT Limit = ± 0.05 minutes of surrogate RT
TPP RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8141A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-66996/2-A

Instrument ID (1): GC5 Instrument ID (2): GC5

Date Analyzed (1): 03/22/2013 12:07 Date Analyzed (2): 03/22/2013 12:07

GC Column (1): RTX-OPP1 ID: 0.53(mm) GC Column (2): RTX-OPP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Demeton, Total	1		9.68	9.64	9.74	11.0		3.9
	2		10.22	10.18	10.28	10.6		
Demeton-O	1		9.68	9.64	9.74	11.0		3.9
	2		10.22	10.18	10.28	10.6		
Demeton, Total	1		11.47	11.42	11.52	10.7		6.7
	2		11.52	11.47	11.57	9.99		
Demeton-S	1		11.47	11.42	11.52	10.7		6.7
	2		11.52	11.47	11.57	9.99		
Chlorpyrifos	1		12.92	12.87	12.97	10.1		3.3
	2		13.93	13.88	13.98	9.77		
Malathion	1		13.70	13.65	13.75	10.6		5.1
	2		13.84	13.79	13.89	10.1		
Parathion	1		14.37	14.31	14.41	13.5		26.6
	2		14.02	13.97	14.07	10.3		
Guthion	1		18.11	18.06	18.16	11.8		2.4
	2		18.89	18.84	18.94	11.5		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-66996/3-A

Instrument ID (1): GC5 Instrument ID (2): GC5

Date Analyzed (1): 03/22/2013 12:36 Date Analyzed (2): 03/22/2013 12:36

GC Column (1): RTX-OPP1 ID: 0.53(mm) GC Column (2): RTX-OPP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Demeton, Total	1		9.68	9.64	9.74	11.2		3.5
	2		10.23	10.18	10.28	10.9		
Demeton-O	1		9.68	9.64	9.74	11.2		3.5
	2		10.23	10.18	10.28	10.9		
Demeton, Total	1		11.47	11.42	11.52	10.7		6.2
	2		11.52	11.47	11.57	10.1		
Demeton-S	1		11.47	11.42	11.52	10.7		6.2
	2		11.52	11.47	11.57	10.1		
Chlorpyrifos	1		12.92	12.87	12.97	10.3		4.5
	2		13.93	13.88	13.98	9.85		
Malathion	1		13.70	13.65	13.75	10.6		2.9
	2		13.84	13.79	13.89	10.3		
Parathion	1		14.37	14.31	14.41	13.6		25.8
	2		14.02	13.97	14.07	10.5		
Guthion	1		18.11	18.06	18.16	11.7		1.4
	2		18.89	18.84	18.94	11.5		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Matrix: Water
Lab File ID: aj0330143.d
Analysis Method: 8141A
Date Collected: 03/20/2013 06:30
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 980(mL)
Date Analyzed: 03/22/2013 11:10
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-50-0	Guthion	ND		1.0	0.12
2921-88-2	Chlorpyrifos	ND		1.0	0.10
121-75-5	Malathion	ND		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	97		45-145
126-73-8	Tributyl phosphate	99		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330143.d
Report Date: 22-Mar-2013 11:39

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\aj0330143.d
Lab Smp Id: 460-52642-G-1-A Client Smp ID: INFLUENT
Inj Date : 22-MAR-2013 11:10
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : 460-52642-g-1-a
Comment   : 8141 OPP ANALYSIS
Method   : \\pitsvr06\d\chem\gc5.i\03223.b\Toppa1.m
Meth Date : 22-Mar-2013 11:29 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: aj0230096.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

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

1 O,O,O-TRIETHYL CAS #: 126-68-1

Peaks not detected for Quant. or Qual. signal(s).

---

2 Dichlorvos CAS #: 62-73-7

Peaks not detected for Quant. or Qual. signal(s).

---

3 Mevinphos CAS #: 7786-34-7

Peaks not detected for Quant. or Qual. signal(s).

---

5 Demeton, Total CAS #: 8065-48-3

Peaks not detected for Quant. or Qual. signal(s).

---

4 Demeton-O CAS #: 298-03-3

Peaks not detected for Quant. or Qual. signal(s).

---

6 Thionazin CAS #: 297-97-2

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330143.d
Report Date: 22-Mar-2013 11:39

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

    7 Ethoprop                                    CAS #: 13194-48-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    8 Phorate                                     CAS #: 298-02-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Sulfotepp                                   CAS #: 3689-24-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  10 Tributyl phosphate                          CAS #: 126-73-8
10.752  10.754   -0.002        78531874 1.97364    1.974                        (R)
-------------------------------------------------------------------------------
   11 Diazinon                                    CAS #: 333-41-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   12 Disulfoton                                  CAS #: 298-04-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   13 Demeton-S                                   CAS #: 126-75-0
11.464  11.473   -0.009          423474 0.12330   0.1233
-------------------------------------------------------------------------------
   14 Dimethoate                                  CAS #: 60-51-5
12.224  12.230   -0.006          255647 0.00285  0.002853                      (a)
-------------------------------------------------------------------------------
   15 Ronnel                                      CAS #: 299-84-3
12.385  12.429   -0.044          437554 0.01015  0.01015                       (a)
-------------------------------------------------------------------------------
   16 Chlorpyrifos                                CAS #: 2921-88-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   17 Fenthion                                    CAS #: 55-38-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   18 Trichloronate                               CAS #: 327-98-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   19 Methyl parathion                            CAS #: 298-00-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330143.d
Report Date: 22-Mar-2013 11:39

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

   20 Malathion                                   CAS #: 121-75-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   21 Tokuthion                                   CAS #: 34643-46-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   22 Ethyl parathion                             CAS #: 56-38-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   23 Stirophos                                   CAS #: 22248-79-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   24 Bolstar                                     CAS #: 35400-43-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  25 Triphenyl phosphate                         CAS #: 115-86-6
16.607  16.610   -0.003        54958838 1.93068    1.931                        (R)
-------------------------------------------------------------------------------
   26 Fensulfothion                               CAS #: 115-90-2
17.029  17.030   -0.001          284770 0.00350  0.003502                      (a)
-------------------------------------------------------------------------------
   27 EPN                                         CAS #: 2104-64-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   28 Famphur                                     CAS #: 52-85-7

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   29 Azinphos-methyl                             CAS #: 86-50-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   30 Coumaphos                                   CAS #: 56-72-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
```

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: aj0330143.d

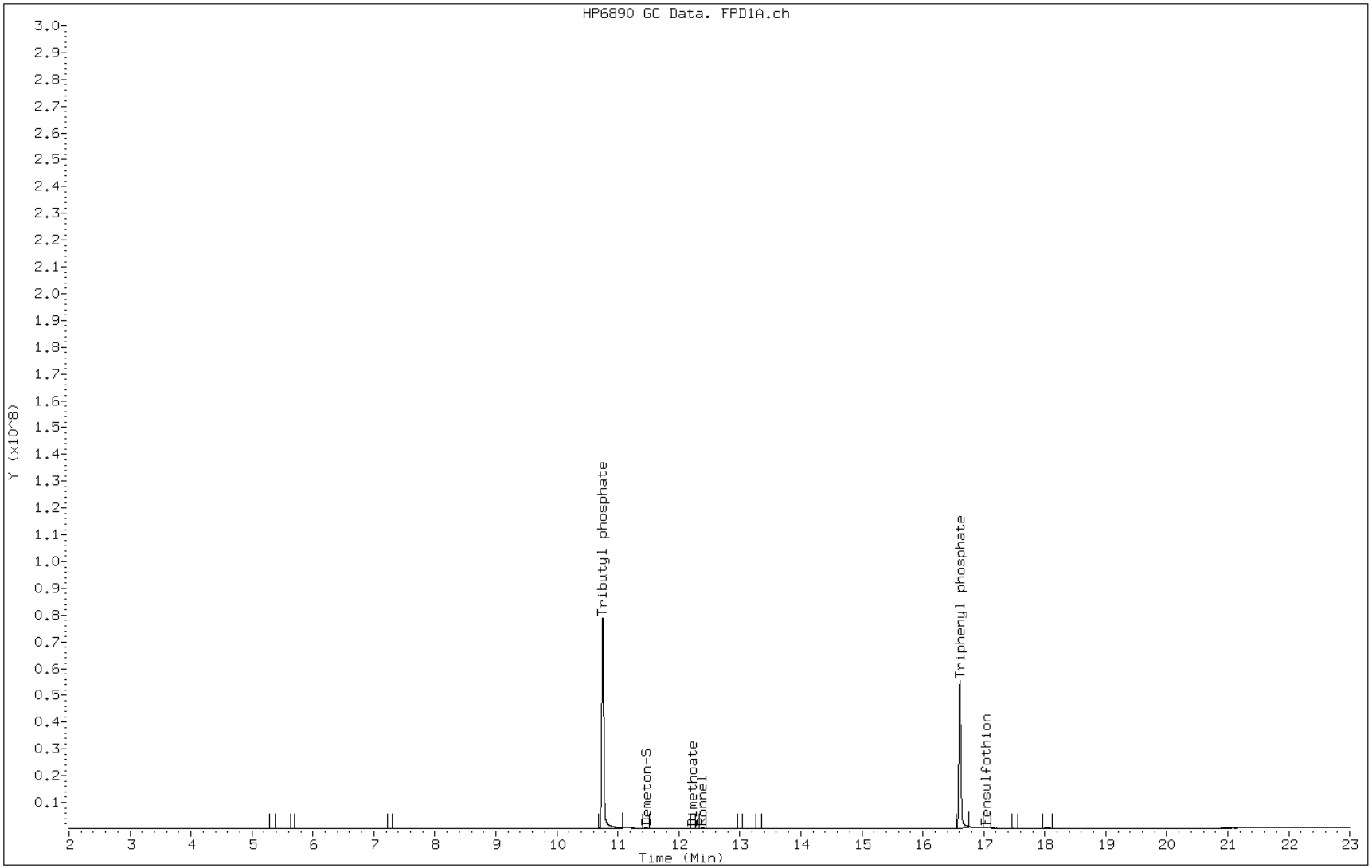
Date: 22-MAR-2013 11:10

Client ID: INFLUENT

Instrument: gc5.i

Sample Info: 03223.B

Operator: 01797



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Matrix: Water
Lab File ID: bj0330143.d
Analysis Method: 8141A
Date Collected: 03/20/2013 06:30
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 980(mL)
Date Analyzed: 03/22/2013 11:10
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8065-48-3	Demeton, Total	ND		2.0	0.17
298-03-3	Demeton-O	ND		1.0	0.095
126-75-0	Demeton-S	ND		1.0	0.073
56-38-2	Parathion	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	94		45-145
126-73-8	Tributyl phosphate	99		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330143.d
Report Date: 22-Mar-2013 11:40

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\bj0330143.d
Lab Smp Id: 460-52642-G-1-A Client Smp ID: INFLUENT
Inj Date : 22-MAR-2013 11:10
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : 460-52642-g-1-a
Comment   : 8141 OPP ANALYSIS
Method   : \\pitsvr06\d\chem\gc5.i\03223.b\Toppb1.m
Meth Date : 22-Mar-2013 11:31 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: bj0230096.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

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

1 O,O,O-TRIETHYL CAS #: 126-68-1

Peaks not detected for Quant. or Qual. signal(s).

---

2 Dichlorvos CAS #: 62-73-7

Peaks not detected for Quant. or Qual. signal(s).

---

3 Mevinphos CAS #: 7786-34-7

Peaks not detected for Quant. or Qual. signal(s).

---

5 Demeton, Total CAS #: 8065-48-3

Peaks not detected for Quant. or Qual. signal(s).

---

4 Demeton-O CAS #: 298-03-3

Peaks not detected for Quant. or Qual. signal(s).

---

6 Thionazin CAS #: 297-97-2

Peaks not detected for Quant. or Qual. signal(s).

$ 7 Tributyl phosphate CAS #: 126-73-8
10.364 10.368 -0.004 72858950 1.97534 1.975 (R)

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330143.d
Report Date: 22-Mar-2013 11:40

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

    8 Ethoprop                                    CAS #: 13194-48-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Sulfotepp                                   CAS #: 3689-24-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   10 Phorate                                     CAS #: 298-02-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   11 Demeton-S                                   CAS #: 126-75-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   12 Dimethoate                                  CAS #: 60-51-5
11.876  11.884   -0.008          260062 0.00324  0.003245                      (a)
-------------------------------------------------------------------------------
   13 Diazinon                                    CAS #: 333-41-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   14 Disulfoton                                  CAS #: 298-04-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   15 Methyl parathion                            CAS #: 298-00-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   16 Ronnel                                      CAS #: 299-84-3

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   17 Malathion                                   CAS #: 121-75-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   18 Chlorpyrifos                                CAS #: 2921-88-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   20 Ethyl parathion                             CAS #: 56-38-2

Peaks not detected for Quant. or Qual. signal(s).
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330143.d
Report Date: 22-Mar-2013 11:40

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

   19 Trichloronate                                CAS #: 327-98-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   21 Fenthion                                     CAS #: 55-38-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   22 Stirophos                                    CAS #: 22248-79-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   23 Tokuthion                                    CAS #: 34643-46-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   24 Fensulfothion                                CAS #: 115-90-2
16.531  16.541   -0.010          215183 0.00328  0.003278                      (a)
-------------------------------------------------------------------------------
   25 Bolstar                                      CAS #: 35400-43-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   26 Famphur                                      CAS #: 52-85-7
17.109  17.076    0.033          149024 0.00408  0.004081                      (a)
-------------------------------------------------------------------------------
$  27 Triphenyl phosphate                          CAS #: 115-86-6
17.508  17.509   -0.001        46460569 1.88279    1.883                       (R)
-------------------------------------------------------------------------------
   28 EPN                                          CAS #: 2104-64-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   29 Azinphos-methyl                              CAS #: 86-50-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   30 Coumaphos                                    CAS #: 56-72-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
```

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: bj0330143.d

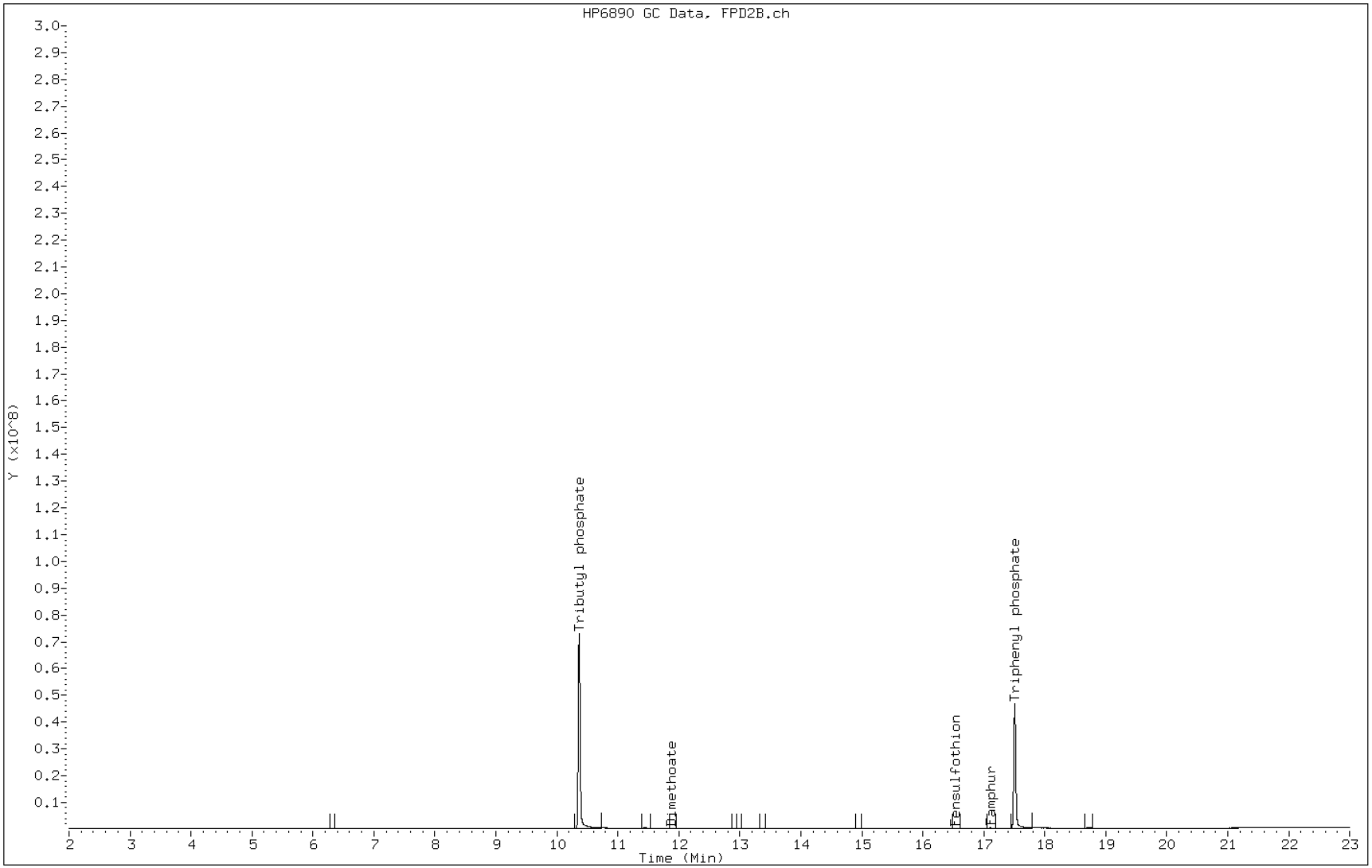
Date: 22-MAR-2013 11:10

Client ID: INFLUENT

Instrument: gc5.i

Sample Info: 03223.B

Operator: 01797



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8494

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	aj0230087.d
Level 2	IC 180-64558/2	aj0230088.d
Level 3	ICRT 180-64558/3	aj0230089.d
Level 4	IC 180-64558/4	aj0230090.d
Level 5	IC 180-64558/5	aj0230091.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Dichlorvos	6.813	6.812	6.811	6.811	6.811						6.761 - 6.861	6.812
Demeton-O	9.694	9.693	9.694	9.692	9.692						9.644 - 9.744	9.693
Mocap	10.289	10.288	10.288	10.286	10.284						10.238 - 10.338	10.287
Demeton-S	11.486	11.481	11.481	11.479	11.477						11.431 - 11.531	11.481
Fenthion	13.076	13.076	13.075	13.072	13.072						13.025 - 13.125	13.074
Methyl parathion	13.590	13.586	13.586	13.585	13.584						13.536 - 13.636	13.586
Tokuthion	14.234	14.232	14.231	14.230	14.229						14.181 - 14.281	14.231
Stirophos	14.866	14.864	14.865	14.862	14.861						14.815 - 14.915	14.864
EPN	17.672	17.670	17.671	17.670	17.669						17.621 - 17.721	17.670
Guthion	18.119	18.117	18.117	18.116	18.114						18.067 - 18.167	18.116
Tributyl phosphate	10.766	10.763	10.762	10.760	10.759						10.712 - 10.812	10.762
Triphenylphosphate	16.617	16.615	16.615	16.614	16.612						16.565 - 16.665	16.615

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8494

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	aj0230087.d
Level 2	IC 180-64558/2	aj0230088.d
Level 3	ICRT 180-64558/3	aj0230089.d
Level 4	IC 180-64558/4	aj0230090.d
Level 5	IC 180-64558/5	aj0230091.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Dichlorvos	48166610 56535569	50435352	53026061	54967274	Ave		52626173.3				6.4		20.0			
Demeton-O	11600495 12453512	11984262	12456804	12590263	Lin	0.00995720	12517768.6						20.0	0.9999		0.9900
Mocap	50143415 56232932	53604530	55244511	56873366	Ave		54419750.9				4.9		20.0			
Demeton-S	15982120 35075112	27055292	33119386	33615844	Lin	0.11155210	36035699.2						20.0	0.9998		0.9900
Fenthion	45762435 49143502	47878642	49950318	50012305	Ave		48549440.3				3.7		20.0			
Methyl parathion	40431015 49778732	45276098	47958483	48859208	Ave		46460707.2				8.1		20.0			
Tokuthion	35985575 34647123	35772758	36527149	35982188	Ave		35782958.5				1.9		20.0			
Stirophos	27230525 32094191	29453926	31130183	32024321	Ave		30386629.1				6.8		20.0			
EPN	25464345 33637140	28630676	30713142	32653976	Ave		30219855.9				10.8		20.0			
Guthion	23176355 32366641	27090864	29576469	31575838	Ave		28757233.3				13.0		20.0			
Tributyl phosphate	34762405 43082241	38385802	40912408	41808534	Ave		39790277.9				8.3		20.0			
Triphenylphosphate	27777575 28609881	27987506	29010592	28945045	Ave		28466119.9				2.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8494

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	aj0230087.d
Level 2	IC 180-64558/2	aj0230088.d
Level 3	ICRT 180-64558/3	aj0230089.d
Level 4	IC 180-64558/4	aj0230090.d
Level 5	IC 180-64558/5	aj0230091.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorvos	Ave	9633322	25217676	53026061	109934548	226142277	0.200	0.500	1.00	2.00	4.00
Demeton-O	Lin	2320099	5992131	12456804	25180526	49814046	0.200	0.500	1.00	2.00	4.00
Mocap	Ave	10028683	26802265	55244511	113746732	224931729	0.200	0.500	1.00	2.00	4.00
Demeton-S	Lin	3196424	13527646	33119386	67231687	140300449	0.200	0.500	1.00	2.00	4.00
Fenthion	Ave	9152487	23939321	49950318	100024609	196574008	0.200	0.500	1.00	2.00	4.00
Methyl parathion	Ave	8086203	22638049	47958483	97718416	199114928	0.200	0.500	1.00	2.00	4.00
Tokuthion	Ave	7197115	17886379	36527149	71964375	138588492	0.200	0.500	1.00	2.00	4.00
Stirophos	Ave	5446105	14726963	31130183	64048641	128376763	0.200	0.500	1.00	2.00	4.00
EPN	Ave	5092869	14315338	30713142	65307953	134548561	0.200	0.500	1.00	2.00	4.00
Guthion	Ave	4635271	13545432	29576469	63151676	129466562	0.200	0.500	1.00	2.00	4.00
Tributyl phosphate	Ave	6952481	19192901	40912408	83617068	172328962	0.200	0.500	1.00	2.00	4.00
Triphenylphosphate	Ave	5555515	13993753	29010592	57890090	114439525	0.200	0.500	1.00	2.00	4.00

Curve Type Legend:

Ave = Average by Height
Lin = Linear by Height

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8496

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	bj0230087.d
Level 2	IC 180-64558/2	bj0230088.d
Level 3	ICRT 180-64558/3	bj0230089.d
Level 4	IC 180-64558/4	bj0230090.d
Level 5	IC 180-64558/5	bj0230091.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Dichlorvos	6.069	6.069	6.068	6.067	6.066						6.018 - 6.118	6.068
Demeton-O	10.169	10.166	10.166	10.166	10.165						10.116 - 10.216	10.166
Mocap	10.437	10.435	10.434	10.432	10.432						10.384 - 10.484	10.434
Demeton-S	11.466	11.462	11.462	11.460	11.459						11.412 - 11.512	11.462
Methyl parathion	13.194	13.191	13.191	13.190	13.189						13.141 - 13.241	13.191
Fenthion	14.003	14.001	14.001	14.000	13.999						13.951 - 14.051	14.001
Stirophos	15.224	15.221	15.222	15.221	15.219						15.172 - 15.272	15.222
Tokuthion	15.357	15.356	15.355	15.355	15.354						15.305 - 15.405	15.355
EPN	17.954	17.952	17.953	17.952	17.950						17.903 - 18.003	17.952
Guthion	18.840	18.840	18.839	18.837	18.837						18.789 - 18.889	18.839
Tributyl phosphate	10.312	10.308	10.308	10.306	10.306						10.258 - 10.358	10.308
Triphenylphosphate	17.457	17.456	17.456	17.455	17.454						17.406 - 17.506	17.456

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8496

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	bj0230087.d
Level 2	IC 180-64558/2	bj0230088.d
Level 3	ICRT 180-64558/3	bj0230089.d
Level 4	IC 180-64558/4	bj0230090.d
Level 5	IC 180-64558/5	bj0230091.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Dichlorvos	40184905 49643058	43017658	45449701	47890791	Ave		45237222.5				8.3		20.0			
Demeton-O	11181165 11946770	11467236	11792142	12062507	Lin	0.01412500	12015936.5						20.0	0.9999		0.9900
Mocap	47519240 54010515	50624862	52766224	54140740	Ave		51812316.2				5.4		20.0			
Demeton-S	14916815 33253135	24953808	30737166	31760325	Lin	0.12195600	34234568.8						20.0	0.9999		0.9900
Methyl parathion	37639115 48164444	41722086	44778680	46905531	Ave		43841971.1				9.7		20.0			
Fenthion	44698450 46938560	45782592	47865418	47822970	Ave		46621597.8				2.9		20.0			
Stirophos	23801130 29405807	26259474	28133240	28980874	Ave		27316105.1				8.4		20.0			
Tokuthion	34190655 33046805	34178106	34643745	34018793	Ave		34015620.9				1.7		20.0			
EPN	23042150 30945560	26030038	27977393	29842109	Ave		27567449.9				11.4		20.0			
Guthion	18823670 29044413	23376164	25709327	27770369	Ave		24944788.5				16.2		20.0			
Tributyl phosphate	31271425 40660944	35291376	38126702	39070412	Ave		36884171.6				10.0		20.0			
Triphenylphosphate	23635935 24845931	24470006	25205958	25224326	Ave		24676431.1				2.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 12:41 Calibration End Date: 02/21/2013 14:35 Calibration ID: 8496

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/1	bj0230087.d
Level 2	IC 180-64558/2	bj0230088.d
Level 3	ICRT 180-64558/3	bj0230089.d
Level 4	IC 180-64558/4	bj0230090.d
Level 5	IC 180-64558/5	bj0230091.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorvos	Ave	8036981	21508829	45449701	95781582	198572230	0.200	0.500	1.00	2.00	4.00
Demeton-O	Lin	2236233	5733618	11792142	24125013	47787082	0.200	0.500	1.00	2.00	4.00
Mocap	Ave	9503848	25312431	52766224	108281480	216042060	0.200	0.500	1.00	2.00	4.00
Demeton-S	Lin	2983363	12476904	30737166	63520649	133012540	0.200	0.500	1.00	2.00	4.00
Methyl parathion	Ave	7527823	20861043	44778680	93811062	192657775	0.200	0.500	1.00	2.00	4.00
Fenthion	Ave	8939690	22891296	47865418	95645939	187754238	0.200	0.500	1.00	2.00	4.00
Stirophos	Ave	4760226	13129737	28133240	57961749	117623227	0.200	0.500	1.00	2.00	4.00
Tokuthion	Ave	6838131	17089053	34643745	68037586	132187221	0.200	0.500	1.00	2.00	4.00
EPN	Ave	4608430	13015019	27977393	59684217	123782239	0.200	0.500	1.00	2.00	4.00
Guthion	Ave	3764734	11688082	25709327	55540737	116177652	0.200	0.500	1.00	2.00	4.00
Tributyl phosphate	Ave	6254285	17645688	38126702	78140823	162643775	0.200	0.500	1.00	2.00	4.00
Triphenylphosphate	Ave	4727187	12235003	25205958	50448651	99383725	0.200	0.500	1.00	2.00	4.00

Curve Type Legend:

Ave = Average by Height
Lin = Linear by Height

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8495

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	aj0230092.d
Level 2	IC 180-64558/7	aj0230093.d
Level 3	IC 180-64558/8	aj0230094.d
Level 4	IC 180-64558/18	aj0230095.d
Level 5	IC 180-64558/9	aj0230096.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
O,O,O-Triethyl phosphorothioate	4.835	4.835	4.834	4.834	4.834						4.784 - 4.884	4.834
Mevinphos	9.294	9.290	9.289	9.291	9.288						9.239 - 9.339	9.291
Thionazin	9.888	9.887	9.886	9.887	9.885						9.836 - 9.936	9.887
Phorate	10.319	10.316	10.316	10.317	10.316						10.266 - 10.366	10.317
Sulfotepp	10.686	10.685	10.685	10.687	10.685						10.635 - 10.735	10.685
Diazinon	11.081	11.078	11.078	11.078	11.077						11.028 - 11.128	11.078
Disulfoton	11.431	11.430	11.429	11.431	11.428						11.379 - 11.479	11.430
Dimethoate	12.245	12.240	12.239	12.238	12.235						12.189 - 12.289	12.239
Ronnel	12.436	12.435	12.436	12.437	12.434						12.386 - 12.486	12.436
Chlorpyrifos	12.931	12.930	12.929	12.932	12.929						12.879 - 12.979	12.930
Trichloronate	13.112	13.112	13.110	13.112	13.111						13.060 - 13.160	13.112
Malathion	13.709	13.707	13.708	13.708	13.706						13.658 - 13.758	13.708
Parathion	14.367	14.365	14.365	14.367	14.365						14.315 - 14.415	14.366
Bolstar	15.426	15.423	15.424	15.423	15.421						15.374 - 15.474	15.423
Fensulfothion	17.041	17.036	17.035	17.037	17.034						16.985 - 17.085	17.037
Famphur	17.862	17.861	17.861	17.863	17.861						17.811 - 17.911	17.862
Coumaphos	20.188	20.189	20.187	20.190	20.187						20.137 - 20.237	20.188

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8495

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	aj0230092.d
Level 2	IC 180-64558/7	aj0230093.d
Level 3	IC 180-64558/8	aj0230094.d
Level 4	IC 180-64558/18	aj0230095.d
Level 5	IC 180-64558/9	aj0230096.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
O,O,O-Triethyl phosphorothioate	87178740 89434175	86063660	82482108	81714095	Ave		85374555.6				3.8		20.0			
Mevinphos	83150895 125648783	96133320	99154653	108547171	Ave		102526964				15.4		20.0			
Thionazin	47739350 58863369	51414630	50981791	52890194	Ave		52377866.9				7.8		20.0			
Phorate	48216245 53598244	49784742	49020048	49765479	Ave		50076951.5				4.1		20.0			
Sulfotepp	84756140 87603222	84741612	82281202	82621880	Ave		84400811.2				2.5		20.0			
Diazinon	44172035 48396015	44949000	43694574	44804672	Ave		45203259.1				4.1		20.0			
Disulfoton	45591465 49840954	46837004	45481972	46990795	Ave		46948438.0				3.7		20.0			
Dimethoate	75588645 105450478	86520494	84131707	96280868	Ave		89594438.3				12.9		20.0			
Ronnel	41720695 46055225	43085666	41420493	43234896	Ave		43103394.9				4.3		20.0			
Chlorpyrifos	38046525 40695704	38974168	37124800	38595520	Ave		38687343.4				3.4		20.0			
Trichloronate	39310480 41354684	39067866	37372342	38636890	Ave		39148452.5				3.7		20.0			
Malathion	35972825 39222608	37249512	35792886	37389419	Ave		37125450.0				3.7		20.0			
Parathion	38448170 45087849	39430176	39771431	41648145	Ave		40877154.1				6.4		20.0			
Bolstar	34405420 37513764	35879696	34267107	36259171	Ave		35665031.6				3.8		20.0			
Fensulfothion	66987360 96765262	77431796	75736881	89673834	Ave		81319026.5				14.6		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8495

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Famphur	36146945 41093051	38278260	37392561	40101451	Ave		38602453.6				5.2		20.0			
Coumaphos	25629205 29052616	26553386	26141227	27878325	Ave		27050951.8				5.2		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8495

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	aj0230092.d
Level 2	IC 180-64558/7	aj0230093.d
Level 3	IC 180-64558/8	aj0230094.d
Level 4	IC 180-64558/18	aj0230095.d
Level 5	IC 180-64558/9	aj0230096.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
O,O,O-Triethyl phosphorothioate	Ave	17435748	43031830	82482108	163428190	357736700	0.200	0.500	1.00	2.00	4.00
Mevinphos	Ave	16630179	48066660	99154653	217094342	502595132	0.200	0.500	1.00	2.00	4.00
Thionazin	Ave	9547870	25707315	50981791	105780388	235453477	0.200	0.500	1.00	2.00	4.00
Phorate	Ave	9643249	24892371	49020048	99530957	214392976	0.200	0.500	1.00	2.00	4.00
Sulfotepp	Ave	16951228	42370806	82281202	165243760	350412887	0.200	0.500	1.00	2.00	4.00
Diazinon	Ave	8834407	22474500	43694574	89609344	193584058	0.200	0.500	1.00	2.00	4.00
Disulfoton	Ave	9118293	23418502	45481972	93981590	199363816	0.200	0.500	1.00	2.00	4.00
Dimethoate	Ave	15117729	43260247	84131707	192561736	421801911	0.200	0.500	1.00	2.00	4.00
Ronnel	Ave	8344139	21542833	41420493	86469791	184220900	0.200	0.500	1.00	2.00	4.00
Chlorpyrifos	Ave	7609305	19487084	37124800	77191040	162782815	0.200	0.500	1.00	2.00	4.00
Trichloronate	Ave	7862096	19533933	37372342	77273780	165418737	0.200	0.500	1.00	2.00	4.00
Malathion	Ave	7194565	18624756	35792886	74778838	156890432	0.200	0.500	1.00	2.00	4.00
Parathion	Ave	7689634	19715088	39771431	83296290	180351395	0.200	0.500	1.00	2.00	4.00
Bolstar	Ave	6881084	17939848	34267107	72518342	150055057	0.200	0.500	1.00	2.00	4.00
Fensulfothion	Ave	13397472	38715898	75736881	179347667	387061048	0.200	0.500	1.00	2.00	4.00
Famphur	Ave	7229389	19139130	37392561	80202902	164372205	0.200	0.500	1.00	2.00	4.00
Coumaphos	Ave	5125841	13276693	26141227	55756650	116210464	0.200	0.500	1.00	2.00	4.00

Curve Type Legend:
Ave = Average by Height

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	bj0230092.d
Level 2	IC 180-64558/7	bj0230093.d
Level 3	IC 180-64558/8	bj0230094.d
Level 4	IC 180-64558/18	bj0230095.d
Level 5	IC 180-64558/9	bj0230096.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
O,O,O-Triethyl phosphorothioate	4.866	4.865	4.865	4.865	4.866						4.815 - 4.915	4.865
Mevinphos	8.316	8.311	8.311	8.310	8.309						8.261 - 8.361	8.312
Thionazin	10.257	10.256	10.255	10.257	10.254						10.205 - 10.305	10.256
Sulfotepp	11.008	11.007	11.007	11.008	11.007						10.957 - 11.057	11.008
Phorate	11.049	11.049	11.049	11.049	11.048						10.999 - 11.099	11.049
Dimethoate	11.831	11.825	11.822	11.822	11.818						11.772 - 11.872	11.824
Diazinon	12.031	12.030	12.029	12.031	12.030						11.979 - 12.079	12.030
Disulfoton	12.194	12.193	12.192	12.193	12.192						12.142 - 12.242	12.193
Ronnel	13.238	13.236	13.235	13.237	13.236						13.185 - 13.285	13.237
Malathion	13.788	13.788	13.787	13.789	13.787						13.737 - 13.837	13.788
Chlorpyrifos	13.875	13.875	13.874	13.875	13.873						13.824 - 13.924	13.874
Parathion	13.967	13.966	13.964	13.967	13.966						13.916 - 14.016	13.966
Trichloronate	13.967	13.966	13.964	13.967	13.966						13.915 - 14.015	13.966
Fensulfothion	16.491	16.488	16.486	16.487	16.483						16.436 - 16.536	16.487
Bolstar	16.630	16.629	16.629	16.630	16.628						16.579 - 16.679	16.629
Famphur	17.024	17.022	17.022	17.024	17.022						16.972 - 17.072	17.023
Coumaphos	19.815	19.812	19.813	19.815	19.812						19.763 - 19.863	19.813

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	bj0230092.d
Level 2	IC 180-64558/7	bj0230093.d
Level 3	IC 180-64558/8	bj0230094.d
Level 4	IC 180-64558/18	bj0230095.d
Level 5	IC 180-64558/9	bj0230096.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
O,O,O-Triethyl phosphorothioate	86268035 88166736	84595300	81671929	80411357	Ave		84222671.3				3.8		20.0			
Mevinphos	50486835 82507521	59241302	63739148	70433098	Ave		65281580.6				18.5		20.0			
Thionazin	45989745 56578555	48548850	48791319	50980679	Ave		50177829.6				8.0		20.0			
Sulfotepp	81834985 88950005	82316484	79174263	80850992	Ave		82625345.8				4.5		20.0			
Phorate	51934305 53574712	51935638	50018511	50290336	Ave		51550700.3				2.8		20.0			
Dimethoate	65772445 97420354	76043820	74937923	86573605	Ave		80149629.3				15.2		20.0			
Diazinon	43323190 46371571	43751660	42252858	43334358	Ave		43806727.5				3.5		20.0			
Disulfoton	44012225 48444978	44721276	43946498	45380567	Ave		45301108.6				4.1		20.0			
Ronnel	39919010 43218842	40663854	39285296	40963483	Ave		40810097.0				3.7		20.0			
Malathion	33720355 37219361	34995362	33765370	34932512	Ave		34926592.0				4.1		20.0			
Chlorpyrifos	38012585 39878117	38201712	36578914	37532973	Ave		38040860.1				3.2		20.0			
Parathion	68560165 78571534	70442000	69047697	72844457	Ave		71893170.7				5.7		20.0			
Trichloronate	68560165 78571534	70442000	69047697	72844457	Ave		71893170.7				5.7		20.0			
Fensulfothion	53266645 79456610	62012734	61277010	72204740	Ave		65643547.8				15.6		20.0			
Bolstar	33709050 35291283	33837816	32412979	34260267	Ave		33902279.0				3.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8497

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Famphur	33259520 39826663	35797950	35598214	38079895	Ave		36512448.5				6.9		20.0			
Coumaphos	24678070 28667187	25640824	25801043	27449384	Ave		26447301.6				6.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1 Analy Batch No.: 64558

SDG No.:

Instrument ID: GC5 GC Column: RTX-OPP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2013 15:03 Calibration End Date: 02/21/2013 16:57 Calibration ID: 8497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-64558/6	bj0230092.d
Level 2	IC 180-64558/7	bj0230093.d
Level 3	IC 180-64558/8	bj0230094.d
Level 4	IC 180-64558/18	bj0230095.d
Level 5	IC 180-64558/9	bj0230096.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
O,O,O-Triethyl phosphorothioate	Ave	17253607	42297650	81671929	160822713	352666945	0.200	0.500	1.00	2.00	4.00
Mevinphos	Ave	10097367	29620651	63739148	140866195	330030083	0.200	0.500	1.00	2.00	4.00
Thionazin	Ave	9197949	24274425	48791319	101961358	226314220	0.200	0.500	1.00	2.00	4.00
Sulfotepp	Ave	16366997	41158242	79174263	161701984	355800019	0.200	0.500	1.00	2.00	4.00
Phorate	Ave	10386861	25967819	50018511	100580671	214298848	0.200	0.500	1.00	2.00	4.00
Dimethoate	Ave	13154489	38021910	74937923	173147209	389681417	0.200	0.500	1.00	2.00	4.00
Diazinon	Ave	8664638	21875830	42252858	86668716	185486285	0.200	0.500	1.00	2.00	4.00
Disulfoton	Ave	8802445	22360638	43946498	90761133	193779910	0.200	0.500	1.00	2.00	4.00
Ronnel	Ave	7983802	20331927	39285296	81926966	172875369	0.200	0.500	1.00	2.00	4.00
Malathion	Ave	6744071	17497681	33765370	69865023	148877445	0.200	0.500	1.00	2.00	4.00
Chlorpyrifos	Ave	7602517	19100856	36578914	75065945	159512468	0.200	0.500	1.00	2.00	4.00
Parathion	Ave	13712033	35221000	69047697	145688914	314286137	0.200	0.500	1.00	2.00	4.00
Trichloronate	Ave	13712033	35221000	69047697	145688914	314286137	0.200	0.500	1.00	2.00	4.00
Fensulfothion	Ave	10653329	31006367	61277010	144409479	317826441	0.200	0.500	1.00	2.00	4.00
Bolstar	Ave	6741810	16918908	32412979	68520533	141165133	0.200	0.500	1.00	2.00	4.00
Famphur	Ave	6651904	17898975	35598214	76159790	159306653	0.200	0.500	1.00	2.00	4.00
Coumaphos	Ave	4935614	12820412	25801043	54898768	114668747	0.200	0.500	1.00	2.00	4.00

Curve Type Legend:
Ave = Average by Height

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67073/1 Calibration Date: 03/22/2013 10:13

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: aj0330141.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorvos	Ave	52626173	46995516		0.893	1.00	-10.7	15.0
Demeton-O	Lin	12217067	11674462		0.943	1.00	-5.7	15.0
Mocap	Ave	54419751	52684898		0.968	1.00	-3.2	15.0
Demeton-S	Lin	28969551	32240381		1.01	1.00	0.6	15.0
Fenthion	Ave	48549440	48720923		1.00	1.00	0.4	15.0
Methyl parathion	Ave	46460707	43338700		0.933	1.00	-6.7	15.0
Tokuthion	Ave	35782959	35684402		0.997	1.00	-0.3	15.0
Stirophos	Ave	30386629	30593737		1.01	1.00	0.7	15.0
EPN	Ave	30219856	28316971		0.937	1.00	-6.3	15.0
Guthion	Ave	28757233	30809173		1.07	1.00	7.1	15.0
Tributyl phosphate	Ave	39790278	43483119		1.09	1.00	9.3	15.0
Triphenylphosphate	Ave	28466120	29481700		1.04	1.00	3.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67073/1 Calibration Date: 03/22/2013 10:13

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: aj0330141.d

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorvos	6.80	6.75	6.85
Demeton-O	9.69	9.64	9.74
Mocap	10.28	10.23	10.33
Demeton-S	11.47	11.42	11.52
Fenthion	13.07	13.02	13.12
Methyl parathion	13.58	13.53	13.63
Tokuthion	14.23	14.18	14.28
Stirophos	14.86	14.81	14.91
EPN	17.67	17.62	17.72
Guthion	18.11	18.06	18.16
Tributyl phosphate	10.75	10.70	10.80
Triphenylphosphate	16.61	16.56	16.66

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67073/1 Calibration Date: 03/22/2013 10:13

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: bj0330141.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorvos	Ave	45237223	39655712		0.877	1.00	-12.3	15.0
Demeton-O	Lin	11689964	10693150		0.904	1.00	-9.6	15.0
Mocap	Ave	51812316	49071921		0.947	1.00	-5.3	15.0
Demeton-S	Lin	27124250	29088953		0.972	1.00	-2.8	15.0
Methyl parathion	Ave	43841971	38638544		0.881	1.00	-11.9	15.0
Fenthion	Ave	46621598	45143582		0.968	1.00	-3.2	15.0
Stirophos	Ave	27316105	26562064		0.972	1.00	-2.8	15.0
Tokuthion	Ave	34015621	32984620		0.970	1.00	-3.0	15.0
EPN	Ave	27567450	24525135		0.890	1.00	-11.0	15.0
Guthion	Ave	24944789	25447714		1.02	1.00	2.0	15.0
Tributyl phosphate	Ave	36884172	38554119		1.05	1.00	4.5	15.0
Triphenylphosphate	Ave	24676431	24732187		1.00	1.00	0.2	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCVRT 180-67073/1 Calibration Date: 03/22/2013 10:13

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: bj0330141.d

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorvos	6.13	6.08	6.18
Demeton-O	10.23	10.18	10.28
Mocap	10.50	10.45	10.55
Demeton-S	11.52	11.47	11.57
Methyl parathion	13.25	13.20	13.30
Fenthion	14.06	14.01	14.11
Stirophos	15.28	15.23	15.33
Tokuthion	15.41	15.36	15.46
EPN	18.01	17.96	18.06
Guthion	18.89	18.84	18.94
Tributyl phosphate	10.37	10.32	10.42
Triphenylphosphate	17.51	17.46	17.56

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/2 Calibration Date: 03/22/2013 10:42

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: aj0330142.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O,O-Triethyl phosphorothioate	Ave	85374556	88660777		1.04	1.00	3.8	15.0
Mevinphos	Ave	102526964	107703949		1.05	1.00	5.0	15.0
Thionazin	Ave	52377867	54836239		1.05	1.00	4.7	15.0
Phorate	Ave	50076952	52442442		1.05	1.00	4.7	15.0
Sulfotepp	Ave	84400811	89770154		1.06	1.00	6.4	15.0
Diazinon	Ave	45203259	47564194		1.05	1.00	5.2	15.0
Disulfoton	Ave	46948438	49477162		1.05	1.00	5.4	15.0
Dimethoate	Ave	89594438	94485030		1.05	1.00	5.5	15.0
Ronnel	Ave	43103395	44488372		1.03	1.00	3.2	15.0
Chlorpyrifos	Ave	38687343	40221946		1.04	1.00	4.0	15.0
Trichloronate	Ave	39148452	41076307		1.05	1.00	4.9	15.0
Malathion	Ave	37125450	39011436		1.05	1.00	5.1	15.0
Parathion	Ave	40877154	39385278		0.964	1.00	-3.6	15.0
Bolstar	Ave	35665032	36664205		1.03	1.00	2.8	15.0
Fensulfothion	Ave	81319027	82657870		1.02	1.00	1.6	15.0
Famphur	Ave	38602454	40643637		1.05	1.00	5.3	15.0
Coumaphos	Ave	27050952	27930745		1.03	1.00	3.3	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/2 Calibration Date: 03/22/2013 10:42

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: aj0330142.d

Analyte	RT	RT WINDOW	
		FROM	TO
O,O,O-Triethyl phosphorothioate	4.83	4.78	4.88
Mevinphos	9.28	9.23	9.33
Thionazin	9.88	9.83	9.93
Phorate	10.31	10.26	10.36
Sulfotepp	10.68	10.63	10.73
Diazinon	11.07	11.02	11.12
Disulfoton	11.42	11.37	11.47
Dimethoate	12.23	12.18	12.28
Ronnel	12.43	12.38	12.48
Chlorpyrifos	12.92	12.87	12.97
Trichloronate	13.11	13.06	13.16
Malathion	13.70	13.65	13.75
Parathion	14.36	14.31	14.41
Bolstar	15.42	15.37	15.47
Fensulfothion	17.03	16.98	17.08
Famphur	17.86	17.81	17.91
Coumaphos	20.18	20.13	20.23

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/2 Calibration Date: 03/22/2013 10:42

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: bj0330142.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O,O-Triethyl phosphorothioate	Ave	84222671	84153451		0.999	1.00	-0.0	15.0
Mevinphos	Ave	65281581	65830142		1.01	1.00	0.8	15.0
Thionazin	Ave	50177830	50310977		1.00	1.00	0.3	15.0
Sulfotepp	Ave	82625346	84178193		1.02	1.00	1.9	15.0
Phorate	Ave	51550700	51715810		1.00	1.00	0.3	15.0
Dimethoate	Ave	80149629	80486288		1.00	1.00	0.4	15.0
Diazinon	Ave	43806727	44465284		1.02	1.00	1.5	15.0
Disulfoton	Ave	45301109	46385235		1.02	1.00	2.4	15.0
Ronnel	Ave	40810097	41450871		1.02	1.00	1.6	15.0
Malathion	Ave	34926592	35561469		1.02	1.00	1.8	15.0
Chlorpyrifos	Ave	38040860	38630544		1.02	1.00	1.6	15.0
Parathion	Ave	71893171	70605119		0.982	1.00	-1.8	15.0
Trichloronate	Ave	71893171	70605119		0.982	1.00	-1.8	15.0
Fensulfothion	Ave	65643548	65608088		0.999	1.00	-0.0	15.0
Bolstar	Ave	33902279	33818436		0.998	1.00	-0.2	15.0
Famphur	Ave	36512448	36853670		1.01	1.00	0.9	15.0
Coumaphos	Ave	26447302	25901908		0.979	1.00	-2.1	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/2 Calibration Date: 03/22/2013 10:42

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: bj0330142.d

Analyte	RT	RT WINDOW	
		FROM	TO
O,O,O-Triethyl phosphorothioate	4.93	4.88	4.98
Mevinphos	8.38	8.33	8.43
Thionazin	10.32	10.27	10.37
Sulfotepp	11.07	11.02	11.12
Phorate	11.11	11.06	11.16
Dimethoate	11.88	11.83	11.93
Diazinon	12.09	12.04	12.14
Disulfoton	12.25	12.20	12.30
Ronnel	13.30	13.25	13.35
Malathion	13.84	13.79	13.89
Chlorpyrifos	13.93	13.88	13.98
Parathion	14.02	13.97	14.07
Trichloronate	14.02	13.97	14.07
Fensulfothion	16.54	16.49	16.59
Bolstar	16.68	16.63	16.73
Famphur	17.08	17.03	17.13
Coumaphos	19.87	19.82	19.92

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/7 Calibration Date: 03/22/2013 13:04

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: aj0330147.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorvos	Ave	52626173	48843277		0.928	1.00	-7.2	15.0
Demeton-O	Lin	12217067	12135670		0.979	1.00	-2.1	15.0
Mocap	Ave	54419751	54468355		1.00	1.00	0.0	15.0
Demeton-S	Lin	28969551	32567418		1.02	1.00	1.5	15.0
Fenthion	Ave	48549440	50211726		1.03	1.00	3.4	15.0
Methyl parathion	Ave	46460707	43842167		0.944	1.00	-5.6	15.0
Tokuthion	Ave	35782959	36089647		1.01	1.00	0.9	15.0
Stirophos	Ave	30386629	30206106		0.994	1.00	-0.6	15.0
EPN	Ave	30219856	26989962		0.893	1.00	-10.7	15.0
Guthion	Ave	28757233	28390267		0.987	1.00	-1.3	15.0
Tributyl phosphate	Ave	39790278	40417426		1.02	1.00	1.6	15.0
Triphenylphosphate	Ave	28466120	29192794		1.03	1.00	2.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/7 Calibration Date: 03/22/2013 13:04

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: aj0330147.d

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorvos	6.80	6.75	6.85
Demeton-O	9.68	9.64	9.74
Mocap	10.28	10.23	10.33
Demeton-S	11.47	11.42	11.52
Fenthion	13.07	13.02	13.12
Methyl parathion	13.58	13.53	13.63
Tokuthion	14.23	14.18	14.28
Stirophos	14.86	14.81	14.91
EPN	17.66	17.62	17.72
Guthion	18.11	18.06	18.16
Tributyl phosphate	10.75	10.70	10.80
Triphenylphosphate	16.61	16.56	16.66

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/7 Calibration Date: 03/22/2013 13:04

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: bj0330147.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorvos	Ave	45237223	41287250		0.913	1.00	-8.7	15.0
Demeton-O	Lin	11689964	11130275		0.940	1.00	-6.0	15.0
Mocap	Ave	51812316	49882508		0.963	1.00	-3.7	15.0
Demeton-S	Lin	27124250	29036619		0.970	1.00	-3.0	15.0
Methyl parathion	Ave	43841971	39701861		0.906	1.00	-9.4	15.0
Fenthion	Ave	46621598	45588530		0.978	1.00	-2.2	15.0
Stirophos	Ave	27316105	26258219		0.961	1.00	-3.9	15.0
Tokuthion	Ave	34015621	33762812		0.993	1.00	-0.7	15.0
EPN	Ave	27567450	23477911		0.852	1.00	-14.8	15.0
Guthion	Ave	24944789	23752798		0.952	1.00	-4.8	15.0
Tributyl phosphate	Ave	36884172	35745205		0.969	1.00	-3.1	15.0
Triphenylphosphate	Ave	24676431	24313651		0.985	1.00	-1.5	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/7 Calibration Date: 03/22/2013 13:04

Instrument ID: GC5 Calib Start Date: 02/21/2013 12:41

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 14:35

Lab File ID: bj0330147.d

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorvos	6.13	6.08	6.18
Demeton-O	10.23	10.18	10.28
Mocap	10.49	10.45	10.55
Demeton-S	11.52	11.47	11.57
Methyl parathion	13.25	13.20	13.30
Fenthion	14.06	14.01	14.11
Stirophos	15.28	15.23	15.33
Tokuthion	15.41	15.36	15.46
EPN	18.00	17.96	18.06
Guthion	18.89	18.84	18.94
Tributyl phosphate	10.37	10.32	10.42
Triphenylphosphate	17.51	17.46	17.56

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/8 Calibration Date: 03/22/2013 13:33

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: aj0330148.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O,O-Triethyl phosphorothioate	Ave	85374556	86706279		1.02	1.00	1.6	15.0
Mevinphos	Ave	102526964	104903250		1.02	1.00	2.3	15.0
Thionazin	Ave	52377867	53283807		1.02	1.00	1.7	15.0
Phorate	Ave	50076952	51493561		1.03	1.00	2.8	15.0
Sulfotepp	Ave	84400811	87766205		1.04	1.00	4.0	15.0
Diazinon	Ave	45203259	45926516		1.02	1.00	1.6	15.0
Disulfoton	Ave	46948438	47556263		1.01	1.00	1.3	15.0
Dimethoate	Ave	89594438	88059537		0.983	1.00	-1.7	15.0
Ronnel	Ave	43103395	43549946		1.01	1.00	1.0	15.0
Chlorpyrifos	Ave	38687343	39800910		1.03	1.00	2.9	15.0
Trichloronate	Ave	39148452	40226162		1.03	1.00	2.8	15.0
Malathion	Ave	37125450	38046689		1.02	1.00	2.5	15.0
Parathion	Ave	40877154	39240417		0.960	1.00	-4.0	15.0
Bolstar	Ave	35665032	36186853		1.01	1.00	1.5	15.0
Fensulfothion	Ave	81319027	76552610		0.941	1.00	-5.9	15.0
Famphur	Ave	38602454	39271955		1.02	1.00	1.7	15.0
Coumaphos	Ave	27050952	27032329		0.999	1.00	-0.0	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/8 Calibration Date: 03/22/2013 13:33

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP1 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: aj0330148.d

Analyte	RT	RT WINDOW	
		FROM	TO
O,O,O-Triethyl phosphorothioate	4.82	4.78	4.88
Mevinphos	9.28	9.23	9.33
Thionazin	9.88	9.83	9.93
Phorate	10.31	10.26	10.36
Sulfotepp	10.68	10.63	10.73
Diazinon	11.07	11.02	11.12
Disulfoton	11.42	11.37	11.47
Dimethoate	12.23	12.18	12.28
Ronnel	12.43	12.38	12.48
Chlorpyrifos	12.92	12.87	12.97
Trichloronate	13.10	13.06	13.16
Malathion	13.70	13.65	13.75
Parathion	14.36	14.31	14.41
Bolstar	15.42	15.37	15.47
Fensulfothion	17.03	16.98	17.08
Famphur	17.85	17.81	17.91
Coumaphos	20.18	20.13	20.23

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/8 Calibration Date: 03/22/2013 13:33

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: bj0330148.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O,O-Triethyl phosphorothioate	Ave	84222671	82473817		0.979	1.00	-2.1	15.0
Mevinphos	Ave	65281581	63084736		0.966	1.00	-3.4	15.0
Thionazin	Ave	50177830	49078930		0.978	1.00	-2.2	15.0
Sulfotepp	Ave	82625346	82263643		0.996	1.00	-0.4	15.0
Phorate	Ave	51550700	50416945		0.978	1.00	-2.2	15.0
Dimethoate	Ave	80149629	75495582		0.942	1.00	-5.8	15.0
Diazinon	Ave	43806727	43298748		0.988	1.00	-1.2	15.0
Disulfoton	Ave	45301109	45102857		0.996	1.00	-0.4	15.0
Ronnel	Ave	40810097	40243588		0.986	1.00	-1.4	15.0
Malathion	Ave	34926592	34913230		1.00	1.00	-0.0	15.0
Chlorpyrifos	Ave	38040860	37764215		0.993	1.00	-0.7	15.0
Parathion	Ave	71893171	69044251		0.960	1.00	-4.0	15.0
Trichloronate	Ave	71893171	69044251		0.960	1.00	-4.0	15.0
Fensulfothion	Ave	65643548	59622282		0.908	1.00	-9.2	15.0
Bolstar	Ave	33902279	32951052		0.972	1.00	-2.8	15.0
Famphur	Ave	36512448	36000022		0.986	1.00	-1.4	15.0
Coumaphos	Ave	26447302	25241355		0.954	1.00	-4.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Lab Sample ID: CCV 180-67073/8 Calibration Date: 03/22/2013 13:33

Instrument ID: GC5 Calib Start Date: 02/21/2013 15:03

GC Column: RTX-OPP2 ID: 0.53(mm) Calib End Date: 02/21/2013 16:57

Lab File ID: bj0330148.d

Analyte	RT	RT WINDOW	
		FROM	TO
O,O,O-Triethyl phosphorothioate	4.93	4.88	4.98
Mevinphos	8.37	8.33	8.43
Thionazin	10.32	10.27	10.37
Sulfotepp	11.06	11.02	11.12
Phorate	11.11	11.06	11.16
Dimethoate	11.88	11.83	11.93
Diazinon	12.09	12.04	12.14
Disulfoton	12.25	12.20	12.30
Ronnel	13.29	13.25	13.35
Malathion	13.84	13.79	13.89
Chlorpyrifos	13.93	13.88	13.98
Parathion	14.02	13.97	14.07
Trichloronate	14.02	13.97	14.07
Fensulfothion	16.54	16.49	16.59
Bolstar	16.68	16.63	16.73
Famphur	17.08	17.03	17.13
Coumaphos	19.87	19.82	19.92

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-66996/1-A
Matrix: Water
Lab File ID: aj0330144.d
Analysis Method: 8141A
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 11:39
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-50-0	Guthion	ND		1.0	0.11
2921-88-2	Chlorpyrifos	ND		1.0	0.10
8065-48-3	Demeton, Total	ND		2.0	0.16
298-03-3	Demeton-O	ND		1.0	0.094
126-75-0	Demeton-S	ND		1.0	0.071
121-75-5	Malathion	ND		1.0	0.11
56-38-2	Parathion	ND		1.0	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	85		45-145
126-73-8	Tributyl phosphate	86		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330144.d
Report Date: 22-Mar-2013 12:36

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\aj0330144.d
Lab Smp Id: mb 180-66996/1-a
Inj Date : 22-MAR-2013 11:39
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : mb 180-66996/1-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppa1.m
Meth Date : 22-Mar-2013 11:29 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: aj0230096.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

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

1 O,O,O-TRIETHYL CAS #: 126-68-1

Peaks not detected for Quant. or Qual. signal(s).

---

2 Dichlorvos CAS #: 62-73-7

Peaks not detected for Quant. or Qual. signal(s).

---

3 Mevinphos CAS #: 7786-34-7

Peaks not detected for Quant. or Qual. signal(s).

---

5 Demeton, Total CAS #: 8065-48-3

Peaks not detected for Quant. or Qual. signal(s).

---

4 Demeton-O CAS #: 298-03-3

Peaks not detected for Quant. or Qual. signal(s).

---

6 Thionazin CAS #: 297-97-2

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330144.d
Report Date: 22-Mar-2013 12:36

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

    7 Ethoprop                                    CAS #: 13194-48-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    8 Phorate                                     CAS #: 298-02-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Sulfotepp                                   CAS #: 3689-24-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  10 Tributyl phosphate                          CAS #: 126-73-8
10.752  10.754   -0.002        68445982 1.72017    1.720                        (R)
-------------------------------------------------------------------------------
   11 Diazinon                                    CAS #: 333-41-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   12 Disulfoton                                  CAS #: 298-04-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   13 Demeton-S                                   CAS #: 126-75-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   14 Dimethoate                                  CAS #: 60-51-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   15 Ronnel                                      CAS #: 299-84-3
12.402  12.429   -0.027           44370 0.00103  0.001029                      (a)
-------------------------------------------------------------------------------
   16 Chlorpyrifos                                CAS #: 2921-88-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   17 Fenthion                                    CAS #: 55-38-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   18 Trichloronate                               CAS #: 327-98-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   19 Methyl parathion                            CAS #: 298-00-0
```

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330144.d
Report Date: 22-Mar-2013 12:36

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

   20 Malathion                                   CAS #: 121-75-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   21 Tokuthion                                   CAS #: 34643-46-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   22 Ethyl parathion                             CAS #: 56-38-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   23 Stirophos                                   CAS #: 22248-79-9

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   24 Bolstar                                     CAS #: 35400-43-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  25 Triphenyl phosphate                         CAS #: 115-86-6
16.609  16.610   -0.001        48535292 1.70502    1.705                        (R)
-------------------------------------------------------------------------------
   26 Fensulfothion                               CAS #: 115-90-2

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   27 EPN                                         CAS #: 2104-64-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   28 Famphur                                     CAS #: 52-85-7

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   29 Azinphos-methyl                             CAS #: 86-50-0

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   30 Coumaphos                                   CAS #: 56-72-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
```

QC Flag Legend

a - Target compound detected but quantitated amount

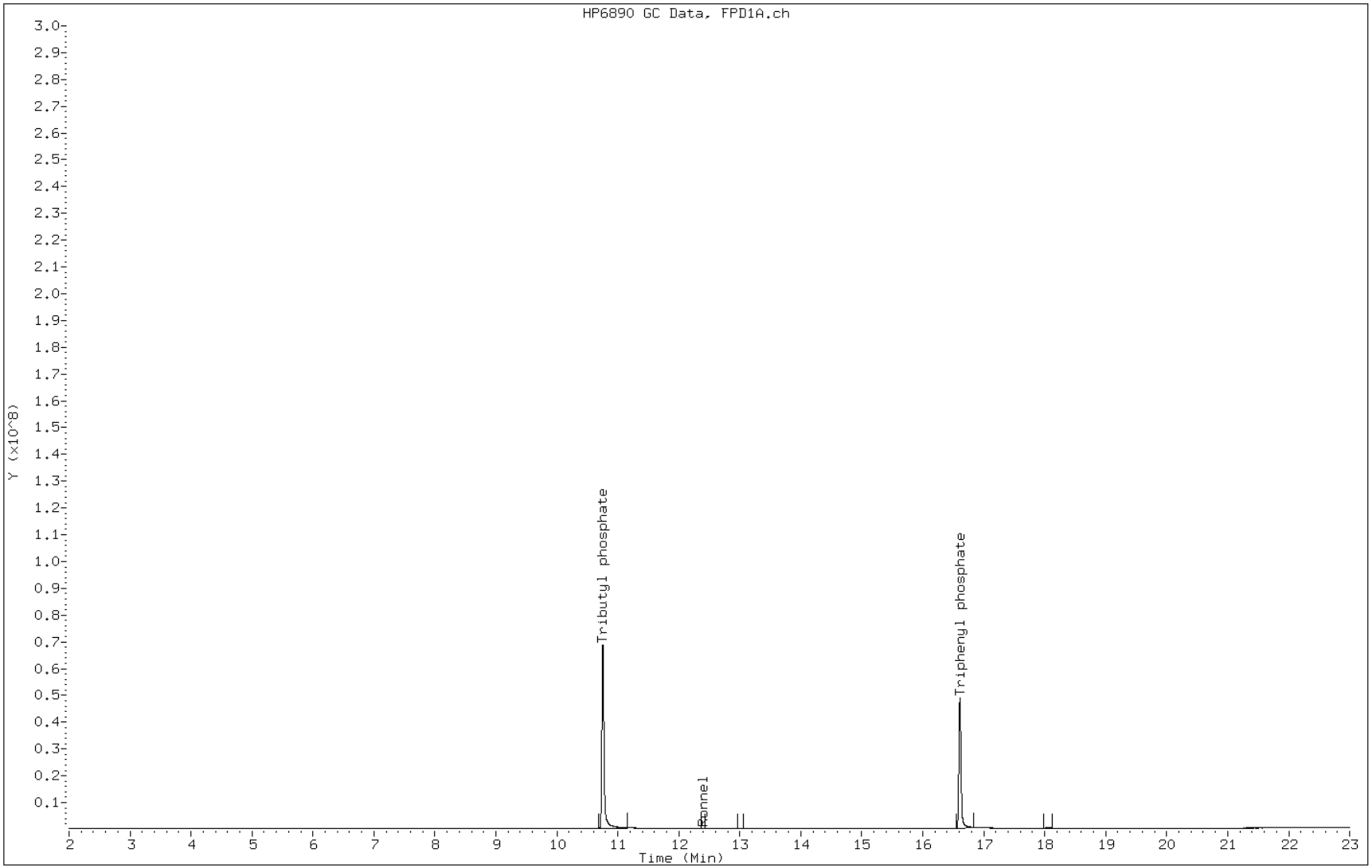
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: aj0330144.d

Date: 22-MAR-2013 11:39

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-66996/1-A

Matrix: Water Lab File ID: bj0330144.d

Analysis Method: 8141A Date Collected:

Extraction Method: 3510C Date Extracted: 03/21/2013 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 03/22/2013 11:39

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-OPP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 67073 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	83		45-145
126-73-8	Tributyl phosphate	82		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330144.d
Report Date: 22-Mar-2013 12:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\bj0330144.d
Lab Smp Id: mb 180-66996/1-a
Inj Date : 22-MAR-2013 11:39
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : mb 180-66996/1-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppb1.m
Meth Date : 22-Mar-2013 11:31 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: bj0230096.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

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

1 O,O,O-TRIETHYL CAS #: 126-68-1

Peaks not detected for Quant. or Qual. signal(s).

---

2 Dichlorvos CAS #: 62-73-7

Peaks not detected for Quant. or Qual. signal(s).

---

3 Mevinphos CAS #: 7786-34-7

Peaks not detected for Quant. or Qual. signal(s).

---

5 Demeton, Total CAS #: 8065-48-3

Peaks not detected for Quant. or Qual. signal(s).

---

4 Demeton-O CAS #: 298-03-3

Peaks not detected for Quant. or Qual. signal(s).

---

6 Thionazin CAS #: 297-97-2

Peaks not detected for Quant. or Qual. signal(s).

$ 7 Tributyl phosphate CAS #: 126-73-8
10.366 10.368 -0.002 60137773 1.63045 1.630 (R)

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330144.d
Report Date: 22-Mar-2013 12:37

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

8 Ethoprop CAS #: 13194-48-4

Peaks not detected for Quant. or Qual. signal(s).

---

9 Sulfotepp CAS #: 3689-24-5

Peaks not detected for Quant. or Qual. signal(s).

---

10 Phorate CAS #: 298-02-2

Peaks not detected for Quant. or Qual. signal(s).

---

11 Demeton-S CAS #: 126-75-0

Peaks not detected for Quant. or Qual. signal(s).

---

12 Dimethoate CAS #: 60-51-5

Peaks not detected for Quant. or Qual. signal(s).

---

13 Diazinon CAS #: 333-41-5

Peaks not detected for Quant. or Qual. signal(s).

---

14 Disulfoton CAS #: 298-04-4

Peaks not detected for Quant. or Qual. signal(s).

---

15 Methyl parathion CAS #: 298-00-0

Peaks not detected for Quant. or Qual. signal(s).

---

16 Ronnel CAS #: 299-84-3

Peaks not detected for Quant. or Qual. signal(s).

---

17 Malathion CAS #: 121-75-5

Peaks not detected for Quant. or Qual. signal(s).

---

18 Chlorpyrifos CAS #: 2921-88-2

Peaks not detected for Quant. or Qual. signal(s).

---

20 Ethyl parathion CAS #: 56-38-2

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330144.d
Report Date: 22-Mar-2013 12:37

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

   19 Trichloronate                                CAS #: 327-98-0

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   21 Fenthion                                     CAS #: 55-38-9

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   22 Stirophos                                    CAS #: 22248-79-9

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   23 Tokuthion                                    CAS #: 34643-46-4

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   24 Fensulfothion                                CAS #: 115-90-2

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   25 Bolstar                                      CAS #: 35400-43-2

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   26 Famphur                                      CAS #: 52-85-7
17.111  17.076    0.035           47179 0.00129  0.001292                      (a)
--------------------------------------------------------------------------------
$  27 Triphenyl phosphate                          CAS #: 115-86-6
17.507  17.509   -0.002        41174632 1.66858    1.668                        (R)
--------------------------------------------------------------------------------
   28 EPN                                          CAS #: 2104-64-5

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   29 Azinphos-methyl                              CAS #: 86-50-0

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
   30 Coumaphos                                    CAS #: 56-72-4

Peaks not detected for Quant. or Qual. signal(s).

--------------------------------------------------------------------------------
```

QC Flag Legend

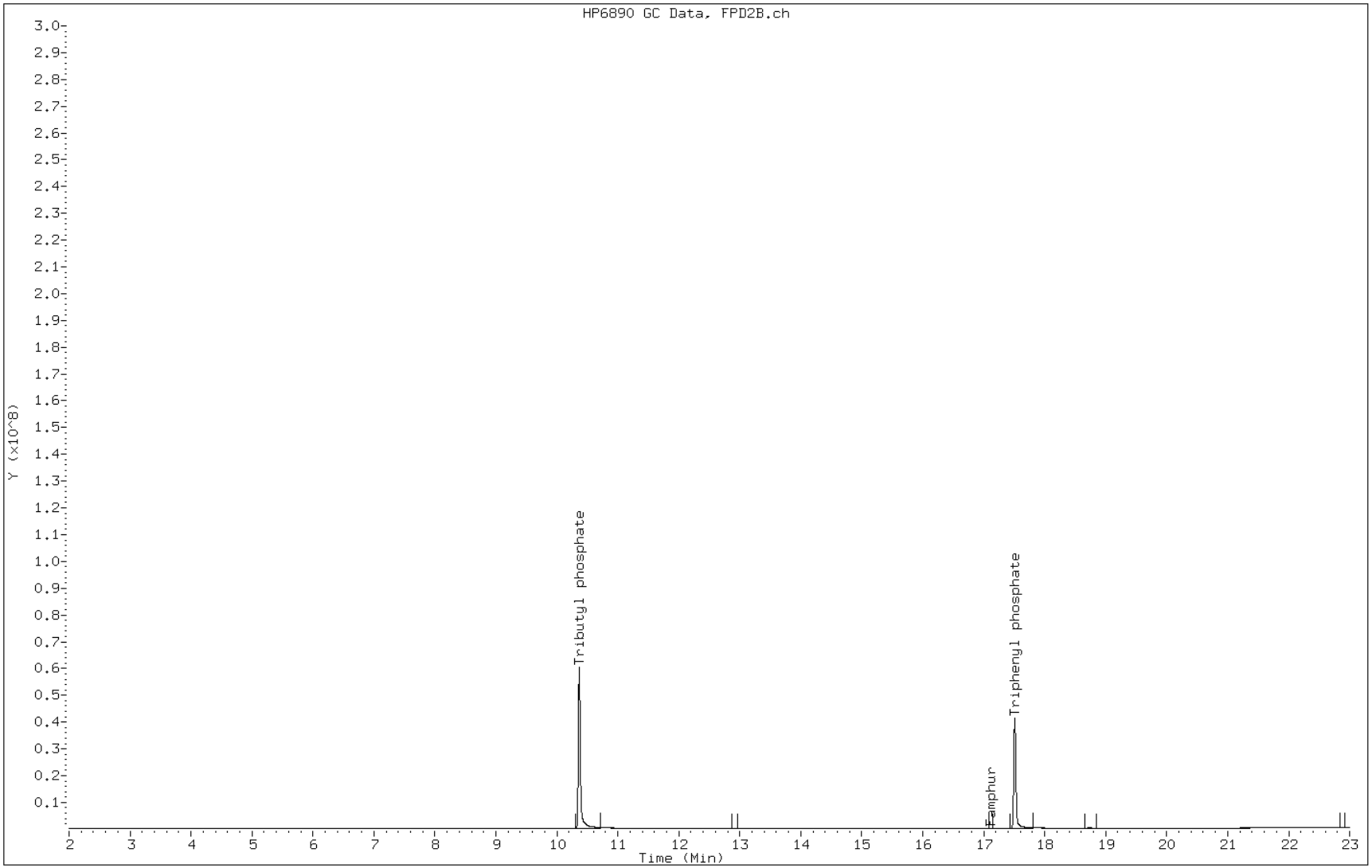
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: bj0330144.d

Date: 22-MAR-2013 11:39

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66996/2-A
Matrix: Water
Lab File ID: aj0330145.d
Analysis Method: 8141A
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 12:07
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-50-0	Guthion	11.8		1.0	0.11
2921-88-2	Chlorpyrifos	10.1		1.0	0.10
8065-48-3	Demeton, Total	21.7		2.0	0.16
298-03-3	Demeton-O	11.0		1.0	0.094
126-75-0	Demeton-S	10.7		1.0	0.071
121-75-5	Malathion	10.6		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	100		45-145
126-73-8	Tributyl phosphate	107		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330145.d
Report Date: 22-Mar-2013 12:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\aj0330145.d
Lab Smp Id: lcs 180-66996/2-a
Inj Date : 22-MAR-2013 12:07
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : lcs 180-66996/2-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppa1.m
Meth Date : 22-Mar-2013 11:29 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: aj0230096.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
1 O,O,O-TRIETHYL					CAS #: 126-68-1			
4.825	4.827	-0.002	162431859	1.90258	1.902			
2 Dichlorvos					CAS #: 62-73-7			
6.800	6.803	-0.003	96968011	1.84258	1.842			
3 Mevinphos					CAS #: 7786-34-7			
9.279	9.283	-0.004	218196815	2.12819	2.128			
5 Demeton, Total					CAS #: 8065-48-3			
9.683	9.685	-0.002	27498972	2.20675	2.207	0.00- 0.00	0.00	
11.468	11.473	-0.005	72963381	2.13630	2.136	0.00- 0.00	0.00	
Average of Peak Concentrations =					2.172			
4 Demeton-O					CAS #: 298-03-3			
9.683	9.685	-0.002	27498972	2.20675	2.207			
6 Thionazin					CAS #: 297-97-2			
9.876	9.879	-0.003	109510490	2.09078	2.091			
7 Ethoprop					CAS #: 13194-48-4			
10.279	10.279	0.000	120395440	2.21235	2.212			(M)
8 Phorate					CAS #: 298-02-2			
10.301	10.309	-0.008	113769479	2.27189	2.272			(M)
9 Sulfotepp					CAS #: 3689-24-5			
10.675	10.677	-0.002	172553313	2.04445	2.044			

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330145.d
Report Date: 22-Mar-2013 12:37

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

$  10 Tributyl phosphate                            CAS #: 126-73-8
10.751  10.754   -0.003        85524768 2.14939    2.149                        (R)
-------------------------------------------------------------------------------
   11 Diazinon                                      CAS #: 333-41-5
11.069  11.071   -0.002        92143336 2.03842    2.038
-------------------------------------------------------------------------------
   12 Disulfoton                                    CAS #: 298-04-4
11.420  11.423   -0.003        92646706 1.97337    1.973
-------------------------------------------------------------------------------
   13 Demeton-S                                     CAS #: 126-75-0
11.468  11.473   -0.005        72963381 2.13630    2.136
-------------------------------------------------------------------------------
   14 Dimethoate                                    CAS #: 60-51-5
12.227  12.230   -0.003       221093547 2.46772    2.468
-------------------------------------------------------------------------------
   15 Ronnel                                        CAS #: 299-84-3
12.426  12.429   -0.003        85298069 1.97892    1.979
-------------------------------------------------------------------------------
   16 Chlorpyrifos                                  CAS #: 2921-88-2
12.919  12.924   -0.005        78163689 2.02039    2.020
-------------------------------------------------------------------------------
   17 Fenthion                                      CAS #: 55-38-9
13.065  13.068   -0.003       110353557 2.27301    2.273
-------------------------------------------------------------------------------
   18 Trichloronate                                 CAS #: 327-98-0
13.100  13.105   -0.005        82643456 2.11103    2.111
-------------------------------------------------------------------------------
   19 Methyl parathion                              CAS #: 298-00-0
13.574  13.580   -0.006        95739083 2.06065    2.061
-------------------------------------------------------------------------------
   20 Malathion                                     CAS #: 121-75-5
13.699  13.699    0.000        78760223 2.12146    2.121
-------------------------------------------------------------------------------
   21 Tokuthion                                     CAS #: 34643-46-4
14.222  14.226   -0.004        68303916 1.90884    1.909
-------------------------------------------------------------------------------
   22 Ethyl parathion                               CAS #: 56-38-2
14.365  14.358    0.007       110347853 2.69950    2.699
-------------------------------------------------------------------------------
   23 Stirophos                                     CAS #: 22248-79-9
14.854  14.858   -0.004        64182165 2.11218    2.112
-------------------------------------------------------------------------------
   24 Bolstar                                       CAS #: 35400-43-2
15.414  15.417   -0.003        73345632 2.05651    2.056
-------------------------------------------------------------------------------
$  25 Triphenyl phosphate                           CAS #: 115-86-6
16.607  16.610   -0.003        56961357 2.00102    2.001                        (R)
-------------------------------------------------------------------------------
   26 Fensulfothion                                 CAS #: 115-90-2
17.027  17.030   -0.003       185667006 2.28319    2.283
-------------------------------------------------------------------------------
   27 EPN                                           CAS #: 2104-64-5
17.664  17.665   -0.001        59906425 1.98235    1.982
-------------------------------------------------------------------------------
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330145.d
Report Date: 22-Mar-2013 12:37

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
28 Famphur					CAS #: 52-85-7		
17.854	17.855	-0.001	86107287	2.23062	2.231		
29 Azinphos-methyl					CAS #: 86-50-0		
18.109	18.113	-0.004	68002752	2.36472	2.365		
30 Coumaphos					CAS #: 56-72-4		
20.181	20.182	-0.001	58574867	2.16535	2.165		

QC Flag Legend

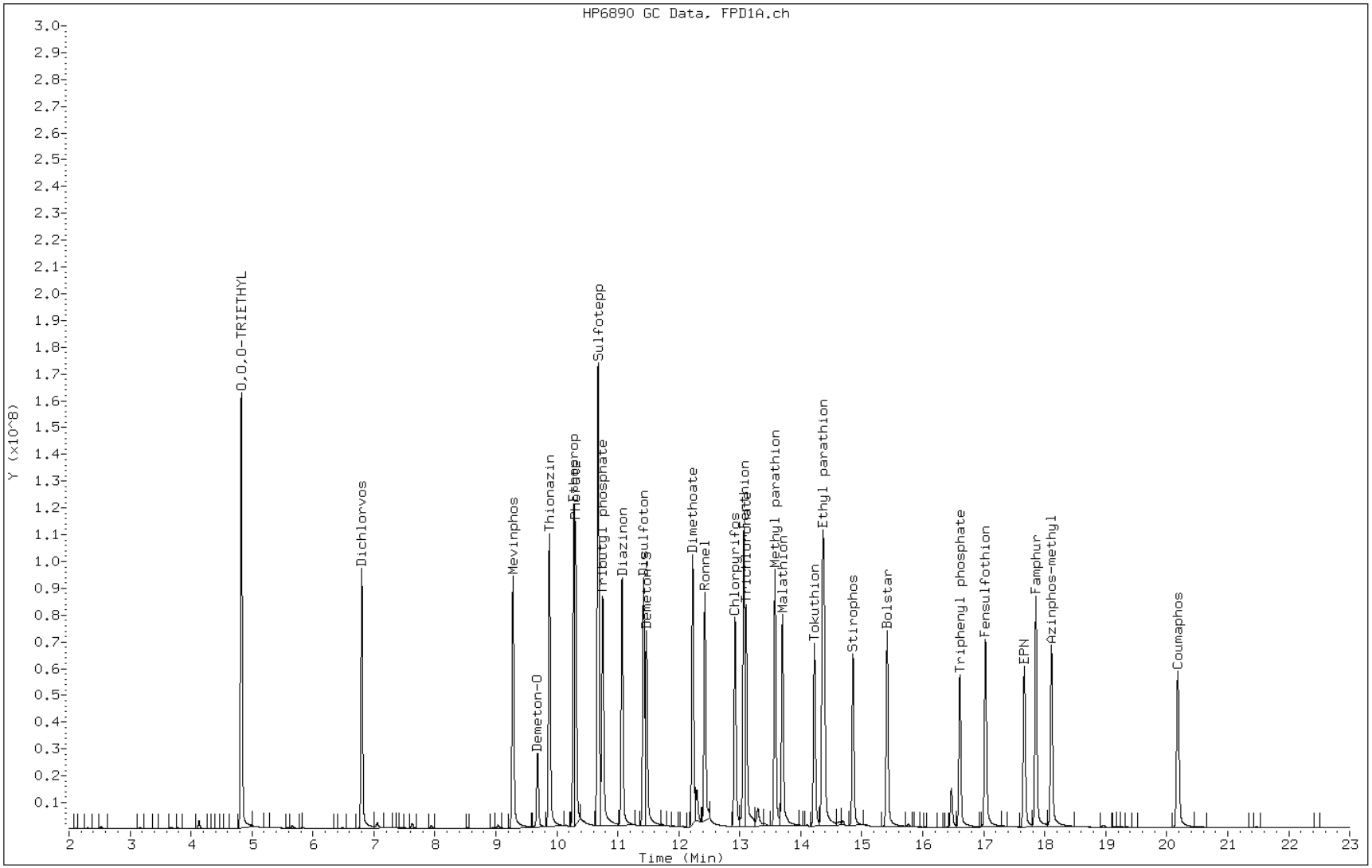
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: aj0330145.d

Date: 22-MAR-2013 12:07

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-66996/2-A
Matrix: Water
Lab File ID: bj0330145.d
Analysis Method: 8141A
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 12:07
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-38-2	Parathion	10.3		1.0	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	96		45-145
126-73-8	Tributyl phosphate	108		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330145.d
Report Date: 22-Mar-2013 12:38

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\bj0330145.d
Lab Smp Id: lcs 180-66996/2-a
Inj Date : 22-MAR-2013 12:07
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : lcs 180-66996/2-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppb1.m
Meth Date : 22-Mar-2013 11:31 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: bj0230096.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 O,O,O-TRIETHYL					CAS #: 126-68-1		
4.931	4.934	-0.003	152111488	1.80606	1.806		
2 Dichlorvos					CAS #: 62-73-7		
6.132	6.134	-0.002	82896159	1.83248	1.832		
3 Mevinphos					CAS #: 7786-34-7		
8.371	8.375	-0.004	144948541	2.22036	2.220		
5 Demeton, Total					CAS #: 8065-48-3		
10.224	10.227	-0.003	25341947	2.12315	2.123	0.00- 0.00	0.00
11.516	11.521	-0.005	64214608	1.99768	1.998	0.00- 0.00	0.00
Average of Peak Concentrations =					2.060		
4 Demeton-O					CAS #: 298-03-3		
10.224	10.227	-0.003	25341947	2.12315	2.123		
6 Thionazin					CAS #: 297-97-2		
10.315	10.318	-0.003	100747168	2.00780	2.008		
$ 7 Tributyl phosphate					CAS #: 126-73-8		
10.364	10.368	-0.004	79548825	2.15672	2.157		(R)
8 Ethoprop					CAS #: 13194-48-4		
10.492	10.496	-0.004	103041865	1.98875	1.989		
9 Sulfotepp					CAS #: 3689-24-5		
11.064	11.067	-0.003	162286096	1.96412	1.964		

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330145.d
Report Date: 22-Mar-2013 12:38

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

   10 Phorate                                     CAS #: 298-02-2
11.109  11.111   -0.002        95012190 1.84308    1.843
-------------------------------------------------------------------------------
   11 Demeton-S                                   CAS #: 126-75-0
11.516  11.521   -0.005        64214608 1.99768    1.998
-------------------------------------------------------------------------------
   12 Dimethoate                                  CAS #: 60-51-5
11.879  11.884   -0.005       210036228 2.62055    2.620
-------------------------------------------------------------------------------
   13 Diazinon                                    CAS #: 333-41-5
12.085  12.087   -0.002        86819811 1.98188    1.982
-------------------------------------------------------------------------------
   14 Disulfoton                                  CAS #: 298-04-4
12.249  12.252   -0.003        87370561 1.92866    1.929
-------------------------------------------------------------------------------
   15 Methyl parathion                            CAS #: 298-00-0
13.247  13.251   -0.004        87565498 1.99730    1.997
-------------------------------------------------------------------------------
   16 Ronnel                                      CAS #: 299-84-3
13.292  13.295   -0.003        84505862 2.07071    2.071
-------------------------------------------------------------------------------
   17 Malathion                                   CAS #: 121-75-5
13.841  13.843   -0.002        70412824 2.01602    2.016
-------------------------------------------------------------------------------
   18 Chlorpyrifos                                CAS #: 2921-88-2
13.929  13.930   -0.001        74352822 1.95455    1.954
-------------------------------------------------------------------------------
   20 Ethyl parathion                             CAS #: 56-38-2
14.023  14.023    0.000       148463080 2.06505    2.065                       (M)
-------------------------------------------------------------------------------
   19 Trichloronate                               CAS #: 327-98-0
14.023  14.023    0.000       148463080 2.06505    2.065                       (M)
-------------------------------------------------------------------------------
   21 Fenthion                                    CAS #: 55-38-9
14.042  14.058   -0.016       114898254 2.46449    2.464                       (M)
-------------------------------------------------------------------------------
   22 Stirophos                                   CAS #: 22248-79-9
15.274  15.278   -0.004        56852740 2.08129    2.081
-------------------------------------------------------------------------------
   23 Tokuthion                                   CAS #: 34643-46-4
15.409  15.412   -0.003        63589797 1.86943    1.869
-------------------------------------------------------------------------------
   24 Fensulfothion                               CAS #: 115-90-2
16.536  16.541   -0.005       149595331 2.27890    2.279
-------------------------------------------------------------------------------
   25 Bolstar                                     CAS #: 35400-43-2
16.681  16.683   -0.002        67281097 1.98456    1.984
-------------------------------------------------------------------------------
   26 Famphur                                     CAS #: 52-85-7
17.074  17.076   -0.002        79607843 2.18029    2.180
-------------------------------------------------------------------------------
$  27 Triphenyl phosphate                         CAS #: 115-86-6
17.507  17.509   -0.002        47545611 1.92676    1.927                       (R)
-------------------------------------------------------------------------------
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330145.d
Report Date: 22-Mar-2013 12:38

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
28 EPN					CAS #: 2104-64-5		
18.004	18.006	-0.002	51138149	1.85502	1.855		
29 Azinphos-methyl					CAS #: 86-50-0		
18.890	18.893	-0.003	57615319	2.30971	2.310		
30 Coumaphos					CAS #: 56-72-4		
19.866	19.867	-0.001	54005127	2.04199	2.042		

QC Flag Legend

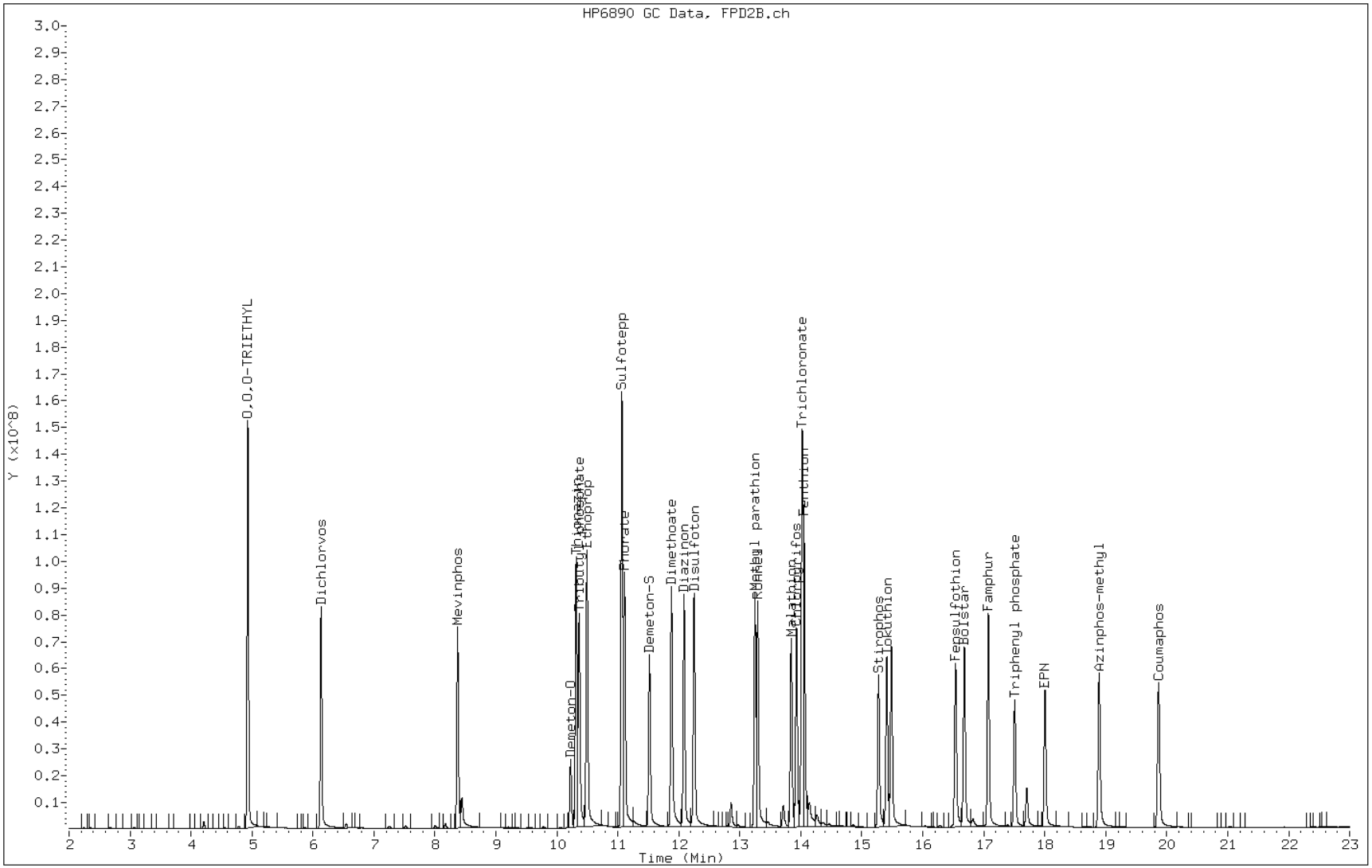
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: bj0330145.d

Date: 22-MAR-2013 12:07

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



Manual Integration Report

Data File: bj0330145.d
Inj. Date and Time: 22-MAR-2013 12:07
Instrument ID: gc5.i
Client ID:
Compound: 20 Ethyl parathion
CAS #: 56-38-2
Report Date: 03/22/2013

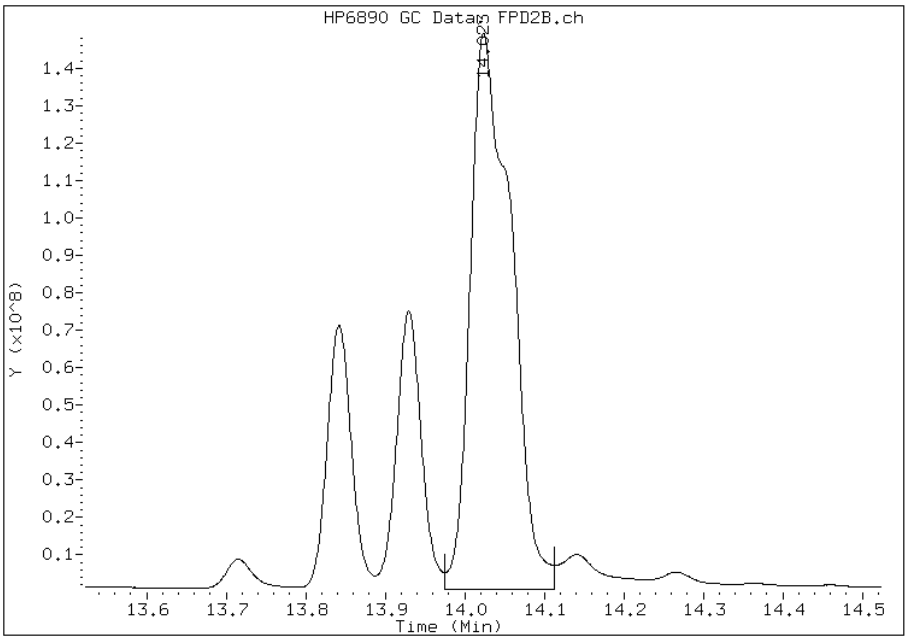
Processing Integration Results

RT: 14.02

Response: 148463093

Amount: 2.07

Conc: 2.07



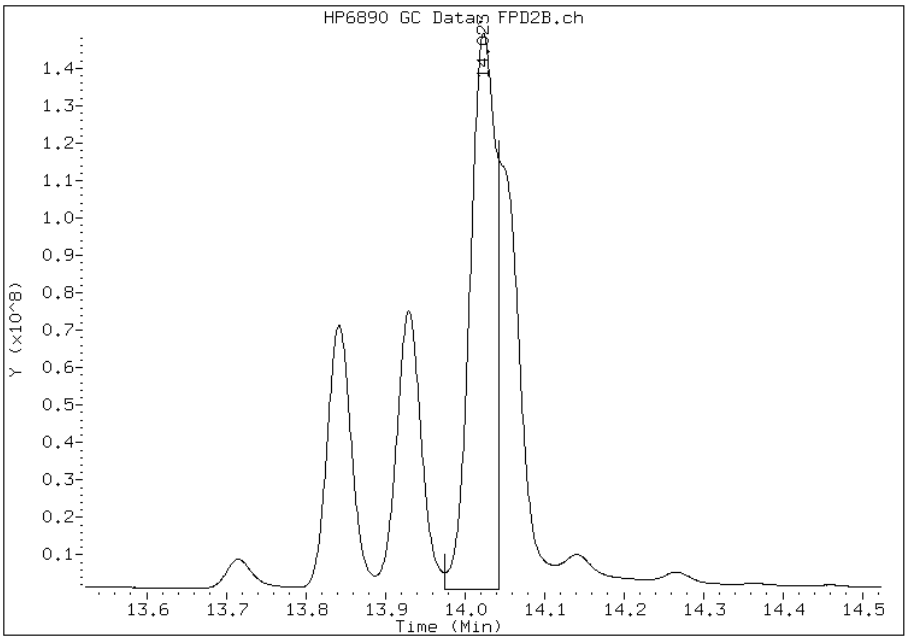
Manual Integration Results

RT: 14.02

Response: 148463080

Amount: 2.07

Conc: 2.07



Manually Integrated By: eppinged
Modification Date: 22-Mar-2013 12:37
Manual Integration Reason: Peak Split

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66996/3-A
Matrix: Water
Lab File ID: aj0330146.d
Analysis Method: 8141A
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 12:36
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-50-0	Guthion	11.7		1.0	0.11
2921-88-2	Chlorpyrifos	10.3		1.0	0.10
8065-48-3	Demeton, Total	21.9		2.0	0.16
298-03-3	Demeton-O	11.2		1.0	0.094
126-75-0	Demeton-S	10.7		1.0	0.071
121-75-5	Malathion	10.6		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	97		45-145
126-73-8	Tributyl phosphate	107		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330146.d
Report Date: 22-Mar-2013 13:04

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\aj0330146.d
Lab Smp Id: lcsd 180-66996/3-a
Inj Date : 22-MAR-2013 12:36
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : lcsd 180-66996/3-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppa1.m
Meth Date : 22-Mar-2013 11:29 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: aj0230096.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 O,O,O-TRIETHYL					CAS #: 126-68-1		
4.825	4.827	-0.002	163686513	1.91728	1.917		
2 Dichlorvos					CAS #: 62-73-7		
6.799	6.803	-0.004	98614730	1.87387	1.874		
3 Mevinphos					CAS #: 7786-34-7		
9.279	9.283	-0.004	227207179	2.21607	2.216		
5 Demeton, Total					CAS #: 8065-48-3		
9.682	9.685	-0.003	28024703	2.24875	2.249	0.00- 0.00	0.00
11.467	11.473	-0.006	73248914	2.14423	2.144	0.00- 0.00	0.00
Average of Peak Concentrations =					2.196		
4 Demeton-O					CAS #: 298-03-3		
9.682	9.685	-0.003	28024703	2.24875	2.249		
6 Thionazin					CAS #: 297-97-2		
9.876	9.879	-0.003	110399446	2.10775	2.108		
7 Ethoprop					CAS #: 13194-48-4		
10.279	10.279	0.000	122567642	2.25226	2.252		
8 Phorate					CAS #: 298-02-2		
10.302	10.309	-0.007	115820548	2.31285	2.313		
9 Sulfotepp					CAS #: 3689-24-5		
10.676	10.677	-0.001	174969735	2.07308	2.073		

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330146.d
Report Date: 22-Mar-2013 13:04

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

$  10 Tributyl phosphate                            CAS #: 126-73-8
10.751  10.754   -0.003        85067802 2.13790    2.138                        (R)
-------------------------------------------------------------------------------
   11 Diazinon                                      CAS #: 333-41-5
11.069  11.071   -0.002        93810450 2.07530    2.075
-------------------------------------------------------------------------------
   12 Disulfoton                                    CAS #: 298-04-4
11.420  11.423   -0.003        92349829 1.96705    1.967
-------------------------------------------------------------------------------
   13 Demeton-S                                     CAS #: 126-75-0
11.467  11.473   -0.006        73248914 2.14423    2.144
-------------------------------------------------------------------------------
   14 Dimethoate                                    CAS #: 60-51-5
12.227  12.230   -0.003       231771220 2.58689    2.587
-------------------------------------------------------------------------------
   15 Ronnel                                        CAS #: 299-84-3
12.427  12.429   -0.002        87954888 2.04056    2.040
-------------------------------------------------------------------------------
   16 Chlorpyrifos                                  CAS #: 2921-88-2
12.922  12.924   -0.002        79678500 2.05955    2.060
-------------------------------------------------------------------------------
   17 Fenthion                                      CAS #: 55-38-9
13.067  13.068   -0.001       110068435 2.26714    2.267
-------------------------------------------------------------------------------
   18 Trichloronate                                 CAS #: 327-98-0
13.100  13.105   -0.005        84684558 2.16316    2.163
-------------------------------------------------------------------------------
   19 Methyl parathion                              CAS #: 298-00-0
13.575  13.580   -0.005        98584287 2.12189    2.122
-------------------------------------------------------------------------------
   20 Malathion                                     CAS #: 121-75-5
13.698  13.699   -0.001        78809080 2.12278    2.123
-------------------------------------------------------------------------------
   21 Tokuthion                                     CAS #: 34643-46-4
14.223  14.226   -0.003        68701734 1.91996    1.920
-------------------------------------------------------------------------------
   22 Ethyl parathion                               CAS #: 56-38-2
14.367  14.358    0.009       111254755 2.72169    2.722
-------------------------------------------------------------------------------
   23 Stirophos                                     CAS #: 22248-79-9
14.855  14.858   -0.003        64145123 2.11097    2.111
-------------------------------------------------------------------------------
   24 Bolstar                                       CAS #: 35400-43-2
15.415  15.417   -0.002        74222442 2.08110    2.081
-------------------------------------------------------------------------------
$  25 Triphenyl phosphate                           CAS #: 115-86-6
16.607  16.610   -0.003        55384797 1.94564    1.946                        (R)
-------------------------------------------------------------------------------
   26 Fensulfothion                                 CAS #: 115-90-2
17.027  17.030   -0.003       184996223 2.27494    2.275
-------------------------------------------------------------------------------
   27 EPN                                           CAS #: 2104-64-5
17.663  17.665   -0.002        60886557 2.01479    2.015
-------------------------------------------------------------------------------
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\aj0330146.d
Report Date: 22-Mar-2013 13:04

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
28 Famphur					CAS #: 52-85-7		
17.854	17.855	-0.001	86768877	2.24776	2.248		
29 Azinphos-methyl					CAS #: 86-50-0		
18.108	18.113	-0.005	67272036	2.33931	2.339		
30 Coumaphos					CAS #: 56-72-4		
20.180	20.182	-0.002	57626237	2.13029	2.130		

QC Flag Legend

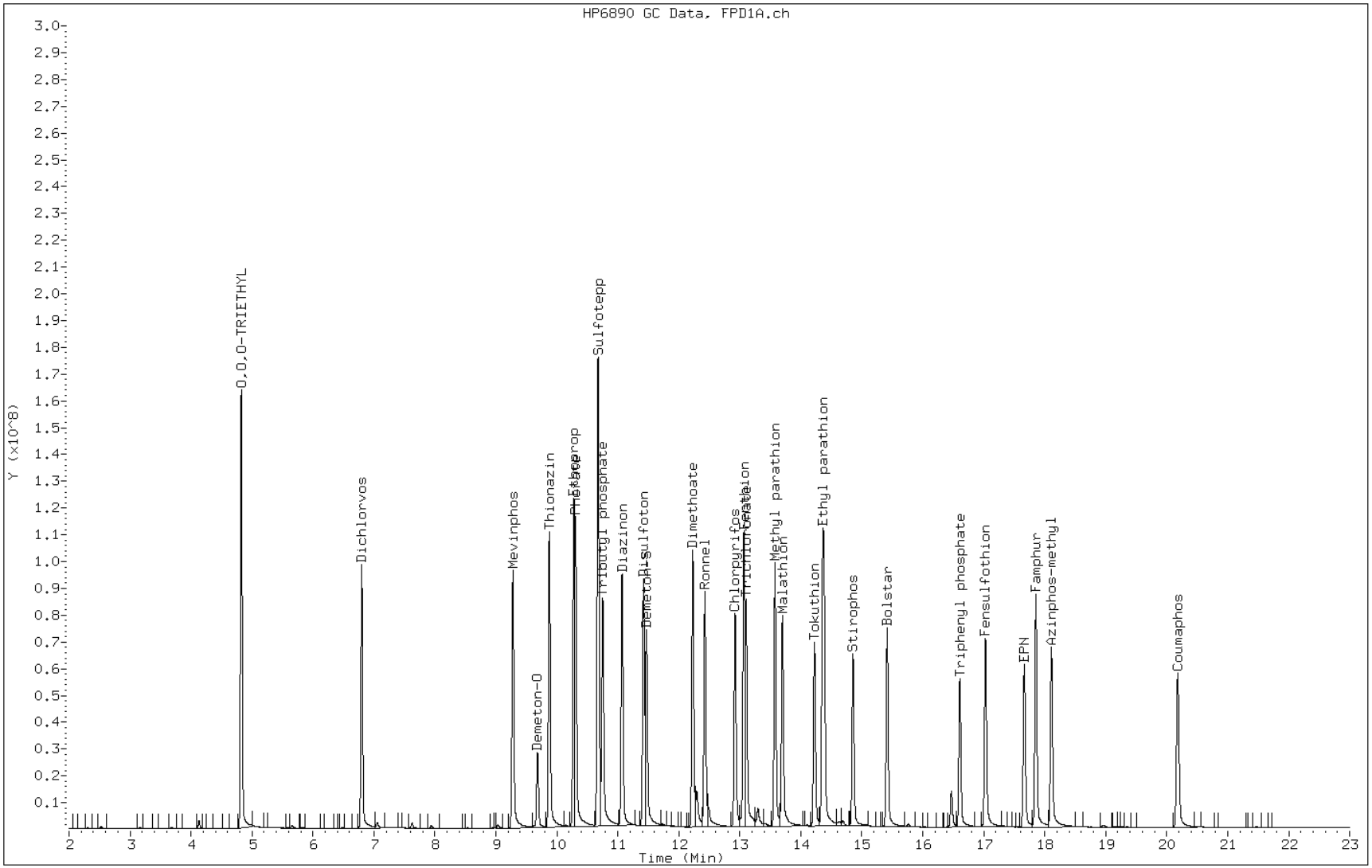
R - Spike/Surrogate failed recovery limits.

Data File: aj0330146.d

Date: 22-MAR-2013 12:36

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 460-52642-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-66996/3-A
Matrix: Water
Lab File ID: bj0330146.d
Analysis Method: 8141A
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/21/2013 13:30
Sample wt/vol: 1000(mL)
Date Analyzed: 03/22/2013 12:36
Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-OPP2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 67073
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-38-2	Parathion	10.5		1.0	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
115-86-6	Triphenylphosphate	94		45-145
126-73-8	Tributyl phosphate	108		49-122

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330146.d
Report Date: 22-Mar-2013 13:05

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc5.i\03223.b\bj0330146.d
Lab Smp Id: lcsd 180-66996/3-a
Inj Date : 22-MAR-2013 12:36
Operator : 01797 Inst ID: gc5.i
Smp Info : 03223.B
Misc Info : lcsd 180-66996/3-a
Comment : 8141 OPP ANALYSIS
Method : \\pitsvr06\d\chem\gc5.i\03223.b\Toppb1.m
Meth Date : 22-Mar-2013 11:31 eppinged Quant Type: ESTD
Cal Date : 21-FEB-2013 16:57 Cal File: bj0230096.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SAMPLE.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 O,O,O-TRIETHYL					CAS #: 126-68-1		
4.931	4.934	-0.003	155268105	1.84354	1.844		
2 Dichlorvos					CAS #: 62-73-7		
6.131	6.134	-0.003	84381727	1.86532	1.865		
3 Mevinphos					CAS #: 7786-34-7		
8.371	8.375	-0.004	148257865	2.27105	2.271		
5 Demeton, Total					CAS #: 8065-48-3		
10.225	10.227	-0.002	25923875	2.17158	2.172	0.00- 0.00	0.00
11.517	11.521	-0.004	64845089	2.01610	2.016	0.00- 0.00	0.00
Average of Peak Concentrations =					2.094		
4 Demeton-O					CAS #: 298-03-3		
10.225	10.227	-0.002	25923875	2.17158	2.172		
6 Thionazin					CAS #: 297-97-2		
10.316	10.318	-0.002	102024902	2.03327	2.033		
$ 7 Tributyl phosphate					CAS #: 126-73-8		
10.363	10.368	-0.005	79483017	2.15494	2.155		(R)
8 Ethoprop					CAS #: 13194-48-4		
10.492	10.496	-0.004	104375864	2.01450	2.014		
9 Sulfotepp					CAS #: 3689-24-5		
11.065	11.067	-0.002	165471539	2.00267	2.003		

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330146.d
Report Date: 22-Mar-2013 13:05

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

   10 Phorate                                     CAS #: 298-02-2
11.109  11.111   -0.002        96341077 1.86886    1.869
-------------------------------------------------------------------------------
   11 Demeton-S                                   CAS #: 126-75-0
11.517  11.521   -0.004        64845089 2.01610    2.016
-------------------------------------------------------------------------------
   12 Dimethoate                                  CAS #: 60-51-5
11.879  11.884   -0.005       212506441 2.65137    2.651
-------------------------------------------------------------------------------
   13 Diazinon                                    CAS #: 333-41-5
12.085  12.087   -0.002        87365781 1.99435    1.994
-------------------------------------------------------------------------------
   14 Disulfoton                                  CAS #: 298-04-4
12.251  12.252   -0.001        88075521 1.94422    1.944
-------------------------------------------------------------------------------
   15 Methyl parathion                            CAS #: 298-00-0
13.247  13.251   -0.004        89802144 2.04831    2.048
-------------------------------------------------------------------------------
   16 Ronnel                                      CAS #: 299-84-3
13.293  13.295   -0.002        84994114 2.08267    2.083
-------------------------------------------------------------------------------
   17 Malathion                                   CAS #: 121-75-5
13.842  13.843   -0.001        71999676 2.06146    2.061
-------------------------------------------------------------------------------
   18 Chlorpyrifos                                CAS #: 2921-88-2
13.930  13.930    0.000        74934184 1.96983    1.970
-------------------------------------------------------------------------------
   20 Ethyl parathion                             CAS #: 56-38-2
14.023  14.023    0.000       150986878 2.10016    2.100                       (M)
-------------------------------------------------------------------------------
   19 Trichloronate                               CAS #: 327-98-0
14.023  14.023    0.000       150986878 2.10016    2.100                       (M)
-------------------------------------------------------------------------------
   21 Fenthion                                    CAS #: 55-38-9
14.043  14.058   -0.015       114882354 2.46414    2.464                       (M)
-------------------------------------------------------------------------------
   22 Stirophos                                   CAS #: 22248-79-9
15.275  15.278   -0.003        56801278 2.07941    2.079
-------------------------------------------------------------------------------
   23 Tokuthion                                   CAS #: 34643-46-4
15.409  15.412   -0.003        64536849 1.89727    1.897
-------------------------------------------------------------------------------
   24 Fensulfothion                               CAS #: 115-90-2
16.537  16.541   -0.004       149848455 2.28276    2.283
-------------------------------------------------------------------------------
   25 Bolstar                                     CAS #: 35400-43-2
16.682  16.683   -0.001        67672585 1.99611    1.996
-------------------------------------------------------------------------------
   26 Famphur                                     CAS #: 52-85-7
17.075  17.076   -0.001        79548372 2.17866    2.179
-------------------------------------------------------------------------------
$  27 Triphenyl phosphate                         CAS #: 115-86-6
17.507  17.509   -0.002        46619820 1.88924    1.889                       (R)
-------------------------------------------------------------------------------
```

Data File: \\pitsvr06\d\chem\gc5.i\03223.b\bj0330146.d
Report Date: 22-Mar-2013 13:05

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
28 EPN					CAS #: 2104-64-5		
18.004	18.006	-0.002	51839270	1.88045	1.880		
29 Azinphos-methyl					CAS #: 86-50-0		
18.890	18.893	-0.003	57568598	2.30784	2.308		
30 Coumaphos					CAS #: 56-72-4		
19.866	19.867	-0.001	53952154	2.03999	2.040		

QC Flag Legend

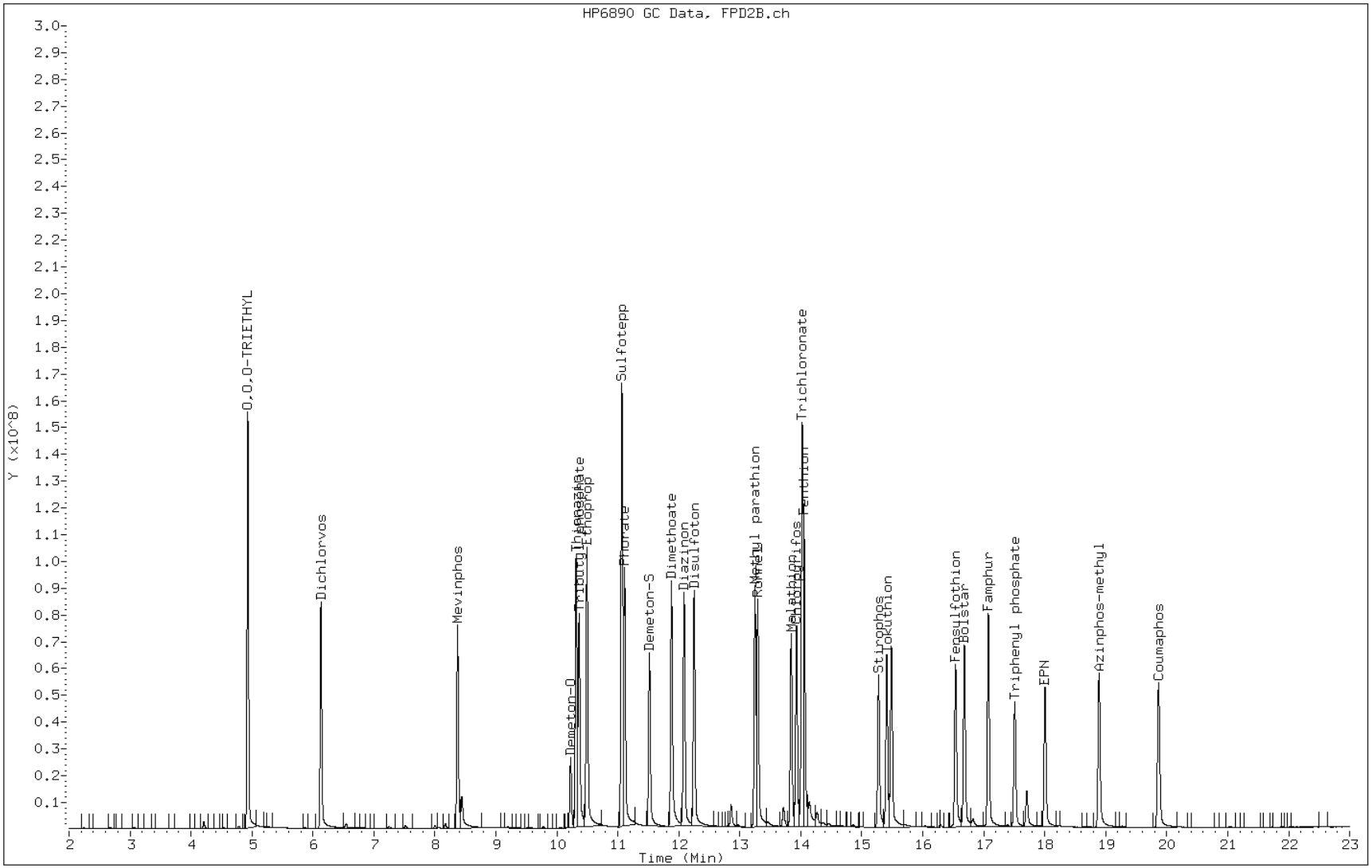
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: bj0330146.d

Date: 22-MAR-2013 12:36

Client ID: Instrument: gc5.i

Sample Info: 03223.B Operator: 01797



Manual Integration Report

Data File: bj0330146.d
Inj. Date and Time: 22-MAR-2013 12:36
Instrument ID: gc5.i
Client ID:
Compound: 20 Ethyl parathion
CAS #: 56-38-2
Report Date: 03/22/2013

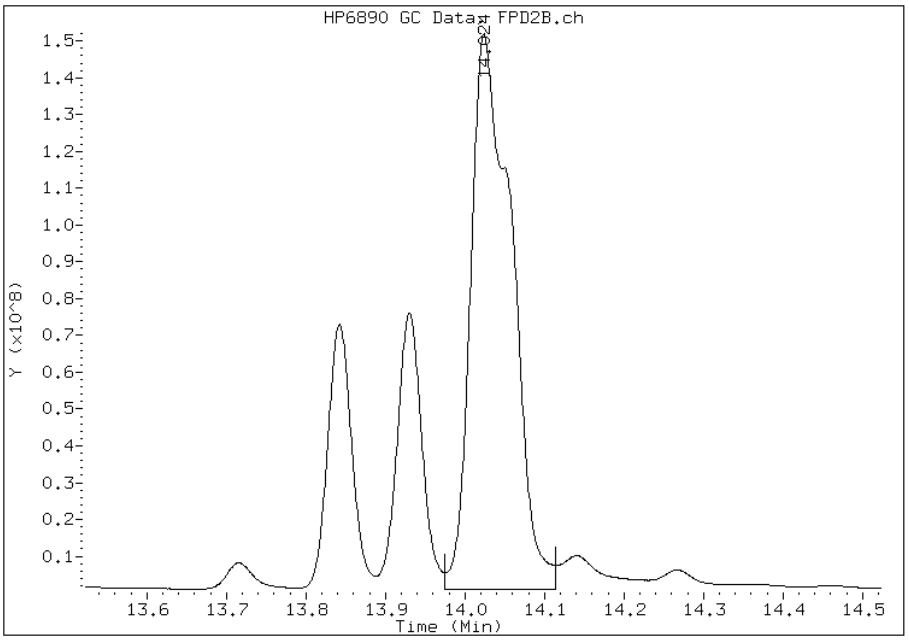
Processing Integration Results

RT: 14.02

Response: 150986865

Amount: 2.10

Conc: 2.10



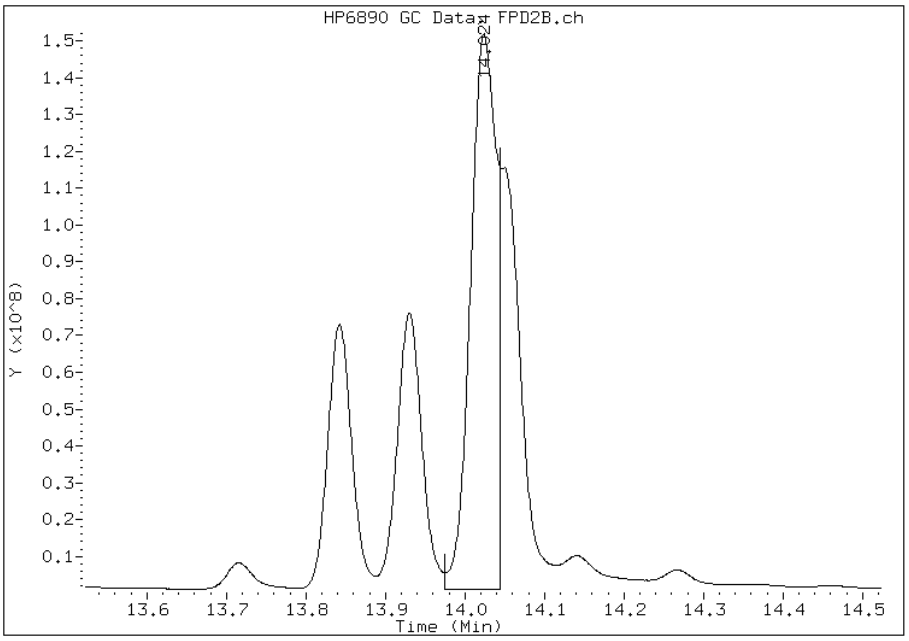
Manual Integration Results

RT: 14.02

Response: 150986878

Amount: 2.10

Conc: 2.10



Manually Integrated By: eppinged
Modification Date: 22-Mar-2013 13:05
Manual Integration Reason: Peak Split

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC5 Start Date: 02/21/2013 12:41

Analysis Batch Number: 64558 End Date: 02/21/2013 22:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-64558/1		02/21/2013 12:41	1	aj0230087.d	RTX-OPP1 0.53(mm)
IC 180-64558/1		02/21/2013 12:41	1	bj0230087.d	RTX-OPP2 0.53(mm)
IC 180-64558/2		02/21/2013 13:09	1	aj0230088.d	RTX-OPP1 0.53(mm)
IC 180-64558/2		02/21/2013 13:09	1	bj0230088.d	RTX-OPP2 0.53(mm)
ICRT 180-64558/3		02/21/2013 13:38	1	aj0230089.d	RTX-OPP1 0.53(mm)
ICRT 180-64558/3		02/21/2013 13:38	1	bj0230089.d	RTX-OPP2 0.53(mm)
IC 180-64558/4		02/21/2013 14:06	1	aj0230090.d	RTX-OPP1 0.53(mm)
IC 180-64558/4		02/21/2013 14:06	1	bj0230090.d	RTX-OPP2 0.53(mm)
IC 180-64558/5		02/21/2013 14:35	1	aj0230091.d	RTX-OPP1 0.53(mm)
IC 180-64558/5		02/21/2013 14:35	1	bj0230091.d	RTX-OPP2 0.53(mm)
IC 180-64558/6		02/21/2013 15:03	1	aj0230092.d	RTX-OPP1 0.53(mm)
IC 180-64558/6		02/21/2013 15:03	1	bj0230092.d	RTX-OPP2 0.53(mm)
IC 180-64558/7		02/21/2013 15:32	1	aj0230093.d	RTX-OPP1 0.53(mm)
IC 180-64558/7		02/21/2013 15:32	1	bj0230093.d	RTX-OPP2 0.53(mm)
IC 180-64558/8		02/21/2013 16:00	1	aj0230094.d	RTX-OPP1 0.53(mm)
IC 180-64558/8		02/21/2013 16:00	1	bj0230094.d	RTX-OPP2 0.53(mm)
IC 180-64558/18		02/21/2013 16:29	1	aj0230095.d	RTX-OPP1 0.53(mm)
IC 180-64558/18		02/21/2013 16:29	1	bj0230095.d	RTX-OPP2 0.53(mm)
IC 180-64558/9		02/21/2013 16:57	1	aj0230096.d	RTX-OPP1 0.53(mm)
IC 180-64558/9		02/21/2013 16:57	1	bj0230096.d	RTX-OPP2 0.53(mm)
ICV 180-64558/10		02/21/2013 17:26	1		RTX-OPP1 0.53(mm)
ICV 180-64558/10		02/21/2013 17:26	1		RTX-OPP2 0.53(mm)
ICV 180-64558/11		02/21/2013 17:54	1		RTX-OPP1 0.53(mm)
ICV 180-64558/11		02/21/2013 17:54	1		RTX-OPP2 0.53(mm)
ZZZZZ		02/21/2013 18:23	1		RTX-OPP1 0.53(mm)
ZZZZZ		02/21/2013 18:23	1		RTX-OPP2 0.53(mm)
ZZZZZ		02/21/2013 18:51	1		RTX-OPP1 0.53(mm)
ZZZZZ		02/21/2013 18:51	1		RTX-OPP2 0.53(mm)
ZZZZZ		02/21/2013 19:20	1		RTX-OPP1 0.53(mm)
ZZZZZ		02/21/2013 19:20	1		RTX-OPP2 0.53(mm)
ZZZZZ		02/21/2013 19:48	1		RTX-OPP1 0.53(mm)
ZZZZZ		02/21/2013 19:48	1		RTX-OPP2 0.53(mm)
CCV 180-64558/16		02/21/2013 22:10	1		RTX-OPP1 0.53(mm)
CCV 180-64558/16		02/21/2013 22:10	1		RTX-OPP2 0.53(mm)
CCV 180-64558/17		02/21/2013 22:38	1		RTX-OPP1 0.53(mm)
CCV 180-64558/17		02/21/2013 22:38	1		RTX-OPP2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Instrument ID: GC5 Start Date: 03/22/2013 10:13

Analysis Batch Number: 67073 End Date: 03/22/2013 13:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 180-67073/1		03/22/2013 10:13	1	aj0330141.d	RTX-OPP1 0.53(mm)
CCVRT 180-67073/1		03/22/2013 10:13	1	bj0330141.d	RTX-OPP2 0.53(mm)
CCV 180-67073/2		03/22/2013 10:42	1	aj0330142.d	RTX-OPP1 0.53(mm)
CCV 180-67073/2		03/22/2013 10:42	1	bj0330142.d	RTX-OPP2 0.53(mm)
460-52642-1	INFLUENT	03/22/2013 11:10	1	aj0330143.d	RTX-OPP1 0.53(mm)
460-52642-1	INFLUENT	03/22/2013 11:10	1	bj0330143.d	RTX-OPP2 0.53(mm)
MB 180-66996/1-A		03/22/2013 11:39	1	aj0330144.d	RTX-OPP1 0.53(mm)
MB 180-66996/1-A		03/22/2013 11:39	1	bj0330144.d	RTX-OPP2 0.53(mm)
LCS 180-66996/2-A		03/22/2013 12:07	1	aj0330145.d	RTX-OPP1 0.53(mm)
LCS 180-66996/2-A		03/22/2013 12:07	1	bj0330145.d	RTX-OPP2 0.53(mm)
LCSD 180-66996/3-A		03/22/2013 12:36	1	aj0330146.d	RTX-OPP1 0.53(mm)
LCSD 180-66996/3-A		03/22/2013 12:36	1	bj0330146.d	RTX-OPP2 0.53(mm)
CCV 180-67073/7		03/22/2013 13:04	1	aj0330147.d	RTX-OPP1 0.53(mm)
CCV 180-67073/7		03/22/2013 13:04	1	bj0330147.d	RTX-OPP2 0.53(mm)
CCV 180-67073/8		03/22/2013 13:33	1	aj0330148.d	RTX-OPP1 0.53(mm)
CCV 180-67073/8		03/22/2013 13:33	1	bj0330148.d	RTX-OPP2 0.53(mm)

8141A

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 460-52642-1

SDG No.:

Batch Number: 66996 Batch Start Date: 03/21/13 13:30 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	OP8141MATRIXS 00014	OP8141SURRSPK 00005	
MB 180-66996/1		3510C, 8141A		6	1000 mL	5.0 mL		0.2 mL	
LCS 180-66996/2		3510C, 8141A		6	1000 mL	5.0 mL	0.5 mL	0.2 mL	
LCSD 180-66996/3		3510C, 8141A		6	1000 mL	5.0 mL	0.5 mL	0.2 mL	
460-52642-G-1	INFLUENT	3510C, 8141A	T	6	980 mL	5.0 mL		0.2 mL	

Batch Notes	
Exchange Solvent Lot #	742343
Exchange Solvent Name	Hexane
Final Concentrator Volume	5.0 mL
N-evap #	1
N-evap temperature	21 Degrees C
Na2SO4 Lot Number	763631
Oven, Bath or Block Temperature 1	79
Prep Solvent Lot #	770348
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	180 mL
Person's name who did the prep	CBY
Sufficient volume for MS/MSD?	no
Uncorrected N-evap Temperature	21 Degrees C
Uncorrected Temperature	79 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG No.:

Project: IR-Phillipsburg

Client Sample ID	Lab Sample ID
INFLUENT	460-52642-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2013 06:30
Reporting Basis: WET
Date Received: 03/20/2013 14:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	0.20	0.16	ug/L			1	245.1

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2013 06:30
Reporting Basis: WET
Date Received: 03/20/2013 14:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	2.5	1.8	ug/L			5	200.8
7440-38-2	Arsenic	ND	2.5	1.8	ug/L			5	200.8
7440-41-7	Beryllium	ND	1.0	0.90	ug/L			5	200.8
7440-43-9	Cadmium	ND	2.5	1.9	ug/L			5	200.8
7440-47-3	Chromium	ND	5.0	4.0	ug/L			5	200.8
7440-50-8	Copper	ND	5.0	3.8	ug/L			5	200.8
7439-92-1	Lead	ND	1.5	1.2	ug/L			5	200.8
7440-02-0	Nickel	ND	5.0	4.1	ug/L			5	200.8
7782-49-2	Selenium	ND	2.5	1.9	ug/L			5	200.8
7440-22-4	Silver	ND	5.0	3.8	ug/L			5	200.8
7440-28-0	Thallium	ND	1.0	0.75	ug/L			5	200.8
7440-66-6	Zinc	ND	20	15	ug/L			5	200.8
7439-89-6	Iron	8400	150	130	ug/L			5	200.8

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

ICV Source: ME_IMS_ICV_00032 Concentration Units: ug/L

CCV Source: ME_imsCal3_00080

Analyte	ICV 460-152605/6 03/25/2013 03:11				CCV 460-152605/18 03/25/2013 03:55				CCV 460-152605/30 03/25/2013 04:38			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	39.4		40.0	99	49.0		50.0	98	48.3		50.0	97
Arsenic	41.3		40.0	103	49.3		50.0	99	48.8		50.0	98
Beryllium	39.8		40.0	99	48.8		50.0	98	47.8		50.0	96
Cadmium	39.5		40.0	99	48.0		50.0	96	48.4		50.0	97
Chromium	40.4		40.0	101	48.2		50.0	96	47.5		50.0	95
Copper	40.2		40.0	100	48.0		50.0	96	46.5		50.0	93
Iron	4100		4000	103	4840		5000	97	4780		5000	96
Lead	39.6		40.0	99	48.5		50.0	97	47.7		50.0	95
Nickel	39.8		40.0	100	47.0		50.0	94	46.1		50.0	92
Selenium	40.8		40.0	102	48.5		50.0	97	50.7		50.0	101
Silver	39.5		40.0	99	48.3		50.0	97	47.5		50.0	95
Thallium	8.06		8.00	101	9.78		10.0	98	9.71		10.0	97
Zinc	40.2		40.0	100	48.5		50.0	97	46.7		50.0	93

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

ICV Source: ME_DQCS-INT_00858 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00858

Analyte	ICV 460-152172/7-A 03/21/2013 20:14				CCV 460-152172/8-A 03/21/2013 20:37				CCV 460-152172/8-A 03/21/2013 21:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.99		5.00	100	5.11		5.00	102	5.16		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

ICV Source: ME_DQCS-INT_00858 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00858

Analyte	CCV 460-152172/8-A 03/21/2013 21:16											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.13		5.00	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Method: 200.8 Instrument ID: ICPMS2

Lab Sample ID: CRI 460-152605/8 Concentration Units: ug/L

CRQL Check Standard Source: ME_ICmsCal1_00083

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	0.500	0.519		104	50-150
Arsenic	0.500	0.492	J	98	50-150
Beryllium	0.200	0.207		104	50-150
Cadmium	0.500	0.399	J	80	50-150
Chromium	1.00	0.955	J	96	50-150
Copper	1.00	0.960	J	96	50-150
Lead	0.300	0.299	J	100	50-150
Nickel	1.00	1.10		110	50-150
Selenium	0.500	ND		60	50-150
Silver	1.00	1.01		101	50-150
Thallium	0.200	0.220		110	50-150
Zinc	4.00	4.03		101	50-150
Iron	30.0	33.9		113	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-152605/7 03/25/2013 03:15		CCB 460-152605/19 03/25/2013 03:58		CCB 460-152605/31 03/25/2013 04:42			
		Found	C	Found	C	Found	C	Found	C
Antimony	0.50	ND		ND		ND			
Arsenic	0.50	ND		ND		ND			
Beryllium	0.20	ND		ND		ND			
Cadmium	0.50	ND		ND		ND			
Chromium	1.0	ND		ND		ND			
Copper	1.0	ND		ND		ND			
Iron	30	ND		ND		ND			
Lead	0.30	ND		ND		ND			
Nickel	1.0	ND		ND		ND			
Selenium	0.50	ND		ND		ND			
Silver	1.0	ND		ND		ND			
Thallium	0.20	ND		ND		ND			
Zinc	4.0	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-152211/8 03/21/2013 20:15		CCB 460-152172/9-A 03/21/2013 20:39		CCB 460-152172/9-A 03/21/2013 21:03		CCB 460-152172/9-A 03/21/2013 21:18	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-152271/1-A ^5

Instrument Code: ICPMS2 Batch No.: 152605

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	ND			200.8
7440-38-2	Arsenic	ND			200.8
7440-41-7	Beryllium	ND			200.8
7440-43-9	Cadmium	ND			200.8
7440-47-3	Chromium	ND			200.8
7440-50-8	Copper	ND			200.8
7439-92-1	Lead	ND			200.8
7440-02-0	Nickel	ND			200.8
7782-49-2	Selenium	ND			200.8
7440-22-4	Silver	ND			200.8
7440-28-0	Thallium	ND			200.8
7440-66-6	Zinc	ND			200.8
7439-89-6	Iron	ND			200.8

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-152172/11-A

Instrument Code: LEEMAN5 Batch No.: 152211

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			245.1

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICSA 460-152605/9 Instrument ID: ICPMS2

Lab File ID: 011SMPL.D ICS Source: ME_ICSA_MS_00222

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**0.330**	
Arsenic		**0.146**	
Beryllium		**-0.0350**	
Cadmium		**0.977**	
Chromium		**1.24**	
Copper		**0.350**	
Iron	**125000**	**122260**	**98**
Lead		**0.198**	
Nickel		**0.845**	
Selenium		**0.160**	
Silver		**0.0760**	
Thallium		**0.0140**	
Zinc		**1.77**	
Aluminum	*50000*	*46002*	*92*
Barium		*0.124*	
Boron		*1.35*	
Calcium	*150000*	*143719*	*96*
Cobalt		*-0.0360*	
Magnesium	*50000*	*47403*	*95*
Manganese		*0.333*	
Molybdenum	*1000*	*1023*	*102*
Potassium	*50000*	*47184*	*94*
Sodium	*125000*	*120272*	*96*
Strontium		*0.539*	
Tin		*0.182*	
Titanium	*1000*	*1053*	*105*
Vanadium		*0.242*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Lab Sample ID: ICSAB 460-152605/10 Instrument ID: ICPMS2

Lab File ID: 012SMPL.D ICS Source: ME_ICSAB_MS_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony		**0.322**	
Arsenic	**100**	**102**	**102**
Beryllium		**-0.0030**	
Cadmium	**100**	**100**	**100**
Chromium	**200**	**197**	**98**
Copper	**200**	**187**	**93**
Iron	**125000**	**120393**	**96**
Lead		**0.188**	
Nickel	**200**	**189**	**95**
Selenium	**100**	**102**	**102**
Silver	**200**	**189**	**95**
Thallium		**0.0130**	
Zinc	**100**	**95.3**	**95**
Aluminum	*50000*	*45208*	*90*
Barium		*0.0890*	
Boron		*1.27*	
Calcium	*150000*	*140219*	*93*
Cobalt	*200*	*194*	*97*
Magnesium	*50000*	*46425*	*93*
Manganese	*200*	*197*	*98*
Molybdenum	*1000*	*1010*	*101*
Potassium	*50000*	*46542*	*93*
Sodium	*125000*	*118357*	*95*
Strontium		*0.501*	
Tin		*0.127*	
Titanium	*1000*	*1035*	*103*
Vanadium	*200*	*197*	*98*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: INFLUENT MS
Lab ID: 460-52642-1 MS
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG No.:
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	25.1		ND		25.0	101	70-130		200.8
Arsenic	50.0		ND		50.0	100	70-130		200.8
Beryllium	26.5		ND		25.0	106	70-130		200.8
Cadmium	24.9		ND		25.0	100	70-130		200.8
Chromium	47.7		ND		50.0	95	70-130		200.8
Copper	47.3		ND		50.0	95	70-130		200.8
Lead	25.1		ND		25.0	100	70-130		200.8
Nickel	46.2		ND		50.0	92	70-130		200.8
Selenium	47.0		ND		50.0	94	70-130		200.8
Silver	24.1		ND		25.0	96	70-130		200.8
Thallium	19.2		ND		20.0	96	70-130		200.8
Zinc	254		ND		250	102	70-130		200.8
Iron	11000		8400		2500	105	70-130		200.8

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-52706-H-2-D MS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	2.15		ND		2.00	108	70-130		245.1

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: _____ Lab ID: 460-52748-D-1-A PDS ^5

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	27.7		4.3		25.0	94	75-125		200.8
Arsenic	53.2		2.6		50.0	101	75-125		200.8
Beryllium	23.9		ND		25.0	96	75-125		200.8
Cadmium	24.1		ND		25.0	97	75-125		200.8
Chromium	49.5		ND		50.0	99	75-125		200.8
Copper	52.4		4.9	J	50.0	95	75-125		200.8
Lead	25.3		ND		25.0	101	75-125		200.8
Nickel	47.1		ND		50.0	94	75-125		200.8
Selenium	53.1		ND		50.0	106	75-125		200.8
Silver	22.7		ND		25.0	91	75-125		200.8
Thallium	19.8		ND		20.0	99	75-125		200.8
Zinc	242		ND		250	97	75-125		200.8
Iron	2790		ND		2500	112	75-125		200.8

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-52706-H-2-C DU

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	ND		ND		NC		245.1

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS - TOTAL RECOVERABLE

Client ID: _____ Lab ID: 460-52748-D-1-B DU ^5

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony	2.5	4.3		4.44		4		200.8
Arsenic	2.5	2.6		2.04	J	23		200.8
Beryllium	1.0	ND		ND		NC		200.8
Cadmium	2.5	ND		ND		NC		200.8
Chromium	5.0	ND		ND		NC		200.8
Copper	5.0	4.9	J	5.31		8		200.8
Lead	1.5	ND		ND		NC		200.8
Nickel	5.0	ND		ND		NC		200.8
Selenium	2.5	ND		ND		NC		200.8
Silver	5.0	ND		ND		NC		200.8
Thallium	1.0	ND		ND		NC		200.8
Zinc	20	ND		ND		NC		200.8
Iron	150	ND		ND		NC		200.8

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 460-152271/2-A ^5

Lab Name: TestAmerica Edison Job No.: 460-52642-1

Sample Matrix: Water LCS Source: ME_ipmsSPK_00012

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	25.0	25.5		102	85	115		200.8
Arsenic	50.0	49.9		100	85	115		200.8
Beryllium	25.0	24.5		98	85	115		200.8
Cadmium	25.0	24.0		96	85	115		200.8
Chromium	50.0	49.6		99	85	115		200.8
Copper	50.0	48.9		98	85	115		200.8
Lead	25.0	25.7		103	85	115		200.8
Nickel	50.0	48.6		97	85	115		200.8
Selenium	50.0	50.6		101	85	115		200.8
Silver	25.0	24.7		99	85	115		200.8
Thallium	20.0	19.4		97	85	115		200.8
Zinc	250	251		100	85	115		200.8
Iron	2500	2780		111	85	115		200.8

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-152172/12-A

Lab Name: TestAmerica Edison Job No.: 460-52642-1

Sample Matrix: Water LCS Source: ME_DCAL-IN_01139

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	2.00	2.02		101	85	115		245.1

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TOTAL RECOVERABLE

Lab ID: 460-52748-D-1-A SD ^25

SDG No:

Lab Name: TestAmerica Edison Job No: 460-52642-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Antimony	4.3		ND		NC		200.8
Arsenic	2.6		ND		NC		200.8
Beryllium	ND		ND		NC		200.8
Cadmium	ND		ND		NC		200.8
Chromium	ND		ND		NC		200.8
Copper	4.9	J	ND		NC		200.8
Lead	ND		ND		NC		200.8
Nickel	ND		ND		NC		200.8
Selenium	ND		ND		NC		200.8
Silver	ND		ND		NC		200.8
Thallium	ND		ND		NC		200.8
Zinc	ND		ND		NC		200.8
Iron	ND		ND		NC		200.8

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-52706-H-2-B SD ^5

SDG No:

Lab Name: TestAmerica Edison Job No: 460-52642-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	ND		ND		NC		245.1

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: ICPMS2

Method: 200.8 MDL Date: 12/07/2011 13:56

Prep Method: 200.8

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Antimony		2.5	1.8
Arsenic		2.5	1.82
Beryllium		1	0.9
Cadmium		2.5	1.89
Chromium		5	3.99
Copper		5	3.75
Iron		150	129
Lead		1.5	1.18
Nickel		5	4.08
Selenium		2.5	1.86
Silver		5	3.84
Thallium		1	0.75
Zinc		20	15.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: ICPMS2

Method: 200.8 XMDL Date: 11/14/2011 12:53

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony		0.5	0.36
Arsenic		0.5	0.364
Beryllium		0.2	0.18
Cadmium		0.5	0.379
Chromium		1	0.798
Copper		1	0.751
Iron		30	25.9
Lead		0.3	0.236
Nickel		1	0.817
Selenium		0.5	0.372
Silver		1	0.769
Thallium		0.2	0.151
Zinc		4	3.075

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN5

Method: 245.1 MDL Date: 02/25/2013 09:36

Prep Method: 245.1

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.16

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN5

Method: 245.1 XMDL Date: 02/25/2013 09:37

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison Job No: 460-52642-1

SDG No.:

Instrument ID: ICPMS2 Date: 11/14/2012 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony		4000	200.8
Arsenic		4000	200.8
Beryllium		4000	200.8
Cadmium		4000	200.8
Chromium		4000	200.8
Copper		1000	200.8
Lead		4000	200.8
Nickel		1000	200.8
Selenium		4000	200.8
Silver		200	200.8
Thallium		800	200.8
Zinc		1000	200.8
Iron		400000	200.8

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Prep Method: 200.8

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-152271/1-A ^5	03/22/2013 10:07	152271		100	100
LCS 460-152271/2-A ^5	03/22/2013 10:07	152271		100	100
460-52748-D-1-B DU ^5	03/22/2013 10:07	152271		100	100
460-52642-1	03/22/2013 10:07	152271		100	100
460-52642-1 MS	03/22/2013 10:07	152271		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Prep Method: 245.1

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-152172/11-A	03/21/2013 17:30	152172		30	30
LCS 460-152172/12-A	03/21/2013 17:30	152172		30	30
460-52706-H-2-C DU	03/21/2013 17:30	152172		30	30
460-52706-H-2-D MS	03/21/2013 17:30	152172		30	30
460-52642-1	03/21/2013 17:30	152172		30	30

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: ICPMS2 Method: 200.8

Start Date: 03/25/2013 02:53 End Date: 03/25/2013 09:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Be	Cd	Cr	Cu	Fe	Ni	Pb	Sb	Se	Tl	Zn							
ZZZZZZ			02:53																				
ZZZZZZ			02:57																				
ZZZZZZ			03:01																				
ZZZZZZ			03:04																				
ZZZZZZ			03:08																				
ICV 460-152605/6	1		03:11	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICB 460-152605/7	1		03:15	X	X	X	X	X	X	X	X	X	X	X	X	X							
CRI 460-152605/8	1		03:19	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICSA 460-152605/9	1		03:22	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICSAB 460-152605/10	1		03:26	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			03:29																				
ZZZZZZ			03:33																				
ZZZZZZ			03:37																				
ZZZZZZ			03:40																				
ZZZZZZ			03:44																				
ZZZZZZ			03:48																				
ZZZZZZ			03:51																				
CCV 460-152605/18	1		03:55	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCB 460-152605/19	1		03:58	X	X	X	X	X	X	X	X	X	X	X	X	X							
MB 460-152271/1-A ^5	5	R	04:02	X	X	X	X	X	X	X	X	X	X	X	X	X							
LCS 460-152271/2-A ^5	5	R	04:06	X	X	X	X	X	X	X	X	X	X	X	X	X							
460-52748-D-1-A PDS ^5	5	R	04:09	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			04:13																				
460-52748-D-1-B DU ^5	5	R	04:17	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			04:20																				
460-52748-D-1-A SD ^25	25	R	04:24	X	X	X	X	X	X	X	X	X	X	X	X	X							
460-52642-1	5	R	04:27	X	X	X	X	X	X	X	X	X	X	X	X	X							
460-52642-1 MS	5	R	04:31	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			04:35																				
CCV 460-152605/30	1		04:38	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCB 460-152605/31	1		04:42	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			04:46																				
ZZZZZZ			04:51																				
ZZZZZZ			04:55																				
ZZZZZZ			04:59																				
ZZZZZZ			05:02																				
ZZZZZZ			05:06																				
ZZZZZZ			05:09																				
ZZZZZZ			05:13																				
ZZZZZZ			05:17																				
ZZZZZZ			05:20																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: ICPMS2 Method: 200.8

Start Date: 03/25/2013 02:53 End Date: 03/25/2013 09:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Be	Cd	Cr	Cu	Fe	Ni	Pb	Sb	Se	Tl	Zn							
CCV 460-152605/42			05:24																				
CCB 460-152605/43			05:28																				
ZZZZZZ			05:31																				
ZZZZZZ			05:35																				
ZZZZZZ			05:39																				
ZZZZZZ			05:42																				
ZZZZZZ			05:46																				
ZZZZZZ			05:49																				
ZZZZZZ			05:53																				
ZZZZZZ			05:57																				
ZZZZZZ			06:00																				
ZZZZZZ			06:04																				
CCV 460-152605/54			06:07																				
CCB 460-152605/55			06:11																				
ZZZZZZ			06:15																				
ZZZZZZ			06:18																				
ZZZZZZ			06:22																				
ZZZZZZ			06:26																				
ZZZZZZ			06:29																				
ZZZZZZ			06:33																				
CCV 460-152605/62			06:37																				
CCB 460-152605/63			06:40																				
ZZZZZZ			06:44																				
ZZZZZZ			06:47																				
ZZZZZZ			06:51																				
ZZZZZZ			06:55																				
ZZZZZZ			06:58																				
ZZZZZZ			07:02																				
ZZZZZZ			07:06																				
ZZZZZZ			07:09																				
ZZZZZZ			07:13																				
CCV 460-152605/73			07:17																				
CCB 460-152605/74			07:20																				
ZZZZZZ			07:24																				
ZZZZZZ			07:28																				
ZZZZZZ			07:31																				
ZZZZZZ			07:35																				
ZZZZZZ			07:39																				
ZZZZZZ			07:42																				
ZZZZZZ			07:46																				
ZZZZZZ			07:50																				
ZZZZZZ			07:53																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: ICPMS2 Method: 200.8

Start Date: 03/25/2013 02:53 End Date: 03/25/2013 09:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Be	Cd	Cr	Cu	Fe	Ni	Pb	Sb	Se	Tl	Zn							
ZZZZZZ			07:57																				
CCV 460-152605/85			08:01																				
CCB 460-152605/86			08:04																				
ZZZZZZ			08:08																				
ZZZZZZ			08:11																				
ZZZZZZ			08:15																				
ZZZZZZ			08:19																				
ZZZZZZ			08:22																				
ZZZZZZ			08:26																				
ZZZZZZ			08:30																				
ZZZZZZ			08:33																				
ZZZZZZ			08:37																				
ZZZZZZ			08:40																				
CCV 460-152605/97			08:44																				
CCB 460-152605/98			08:48																				
ZZZZZZ			08:51																				
ZZZZZZ			08:55																				
ZZZZZZ			08:59																				
ZZZZZZ			09:02																				
ZZZZZZ			09:06																				
ZZZZZZ			09:09																				
ZZZZZZ			09:13																				
ZZZZZZ			09:16																				
ZZZZZZ			09:20																				
ZZZZZZ			09:24																				
CCV 460-152605/109			09:27																				
CCB 460-152605/110			09:31																				
ZZZZZZ			09:34																				
ZZZZZZ			09:38																				
ZZZZZZ			09:42																				
ZZZZZZ			09:45																				
ZZZZZZ			09:49																				
CCV 460-152605/116			09:53																				
CCB 460-152605/117			09:56																				

Prep Types

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: LEEMAN5 Method: 245.1

Start Date: 03/21/2013 20:02 End Date: 03/21/2013 22:38

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 460-152172/1-A			20:02	X																			
IC 460-152172/2-A			20:04	X																			
IC 460-152172/3-A			20:06	X																			
IC 460-152172/4-A			20:08	X																			
IC 460-152172/5-A			20:10	X																			
IC 460-152172/6-A			20:12	X																			
ICV 460-152172/7-A	1		20:14	X																			
ICB 460-152211/8	1		20:15	X																			
ZZZZZZ			20:17																				
MB 460-152172/11-A	1	T	20:20	X																			
LCS 460-152172/12-A	1	T	20:22	X																			
ZZZZZZ			20:24																				
460-52706-H-2-C DU	1	T	20:26	X																			
460-52706-H-2-D MS	1	T	20:28	X																			
ZZZZZZ			20:30																				
ZZZZZZ			20:32																				
ZZZZZZ			20:33																				
460-52642-1	1	T	20:35	X																			
CCV 460-152172/8-A	1		20:37	X																			
CCB 460-152172/9-A	1		20:39	X																			
ZZZZZZ			20:41																				
ZZZZZZ			20:43																				
ZZZZZZ			20:45																				
ZZZZZZ			20:47																				
ZZZZZZ			20:49																				
ZZZZZZ			20:52																				
ZZZZZZ			20:53																				
ZZZZZZ			20:55																				
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				
CCV 460-152172/8-A	1		21:01	X																			
CCB 460-152172/9-A	1		21:03	X																			
ZZZZZZ			21:05																				
ZZZZZZ			21:07																				
ZZZZZZ			21:09																				
ZZZZZZ			21:11																				
ZZZZZZ			21:13																				
460-52706-H-2-B SD ^5	5	T	21:14	X																			
CCV 460-152172/8-A	1		21:16	X																			
CCB 460-152172/9-A	1		21:18	X																			
ZZZZZZ			21:20																				
ZZZZZZ			21:22																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: LEEMAN5 Method: 245.1

Start Date: 03/21/2013 20:02 End Date: 03/21/2013 22:38

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			21:24																				
ZZZZZZ			21:26																				
ZZZZZZ			21:28																				
ZZZZZZ			21:30																				
ZZZZZZ			21:32																				
ZZZZZZ			21:34																				
ZZZZZZ			21:36																				
ZZZZZZ			21:38																				
CCV 460-152172/8-A			21:40																				
CCB 460-152172/9-A			21:42																				
ZZZZZZ			21:44																				
ZZZZZZ			21:46																				
ZZZZZZ			21:48																				
ZZZZZZ			21:49																				
ZZZZZZ			21:51																				
ZZZZZZ			21:53																				
ZZZZZZ			21:55																				
ZZZZZZ			21:57																				
ZZZZZZ			21:59																				
ZZZZZZ			22:01																				
CCV 460-152172/8-A			22:04																				
CCB 460-152172/9-A			22:06																				
ZZZZZZ			22:08																				
ZZZZZZ			22:10																				
ZZZZZZ			22:12																				
ZZZZZZ			22:14																				
ZZZZZZ			22:16																				
CCV 460-152172/8-A			22:18																				
CCB 460-152172/9-A			22:19																				
ZZZZZZ			22:21																				
ZZZZZZ			22:24																				
ZZZZZZ			22:26																				
ZZZZZZ			22:27																				
ZZZZZZ			22:30																				
ZZZZZZ			22:32																				
ZZZZZZ			22:34																				
CCV 460-152172/8-A			22:35																				
CCB 460-152172/9-A			22:38																				

Prep Types
T = Total/NA

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

ICP-MS Instrument ID: ICPMS2 Start Date: 03/25/2013 End Date: 03/25/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element In	Q	Element Tb	Q
ICV 460-152605/6	03:11	101		105		102		102		102	
ICB 460-152605/7	03:15	100		105		102		103		102	
CRI 460-152605/8	03:19	101		106		103		104		102	
ICSA 460-152605/9	03:22	99		103		100		98		100	
ICSAB 460-152605/10	03:26	103		105		102		99		103	
CCV 460-152605/18	03:55	105		110		108		107		107	
CCB 460-152605/19	03:58	107		112		107		108		107	
MB 460-152271/1-A	04:02	110		111		107		108		108	
LCS 460-152271/2-A	04:06	106		110		106		107		107	
460-52748-D-1-A PDS	04:09	106		109		107		107		106	
460-52748-D-1-B DU	04:17	106		110		109		107		106	
460-52748-D-1-A SD	04:24	108		114		111		111		109	
460-52642-1	04:27	107		112		109		107		108	
460-52642-1 MS	04:31	105		110		109		106		107	
CCV 460-152605/30	04:38	107		115		111		109		108	
CCB 460-152605/31	04:42	109		117		112		113		109	

FORM XV - IN

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

METALS

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

ICP-MS Instrument ID: ICPMS2 Start Date: 03/25/2013 End Date: 03/25/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ICV 460-152605/6	03:11	102									
ICB 460-152605/7	03:15	102									
CRI 460-152605/8	03:19	103									
ICSA 460-152605/9	03:22	95									
ICSAB 460-152605/10	03:26	97									
CCV 460-152605/18	03:55	106									
CCB 460-152605/19	03:58	108									
MB 460-152271/1-A	04:02	110									
LCS 460-152271/2-A	04:06	108									
460-52748-D-1-A PDS	04:09	104									
460-52748-D-1-B DU	04:17	105									
460-52748-D-1-A SD	04:24	110									
460-52642-1	04:27	107									
460-52642-1 MS	04:31	106									
CCV 460-152605/30	04:38	109									
CCB 460-152605/31	04:42	110									

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152271 Batch Start Date: 03/22/13 10:07 Batch Analyst: Yang, Qin

Batch Method: 200.8 Batch End Date: 03/22/13 13:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_ipmsSPK 00012			
MB 460-152271/1		200.8, 200.8		100 mL	100 mL				
LCS 460-152271/2		200.8, 200.8		100 mL	100 mL	0.5 mL			
460-52748-D-1 DU		200.8, 200.8	R	100 mL	100 mL				
460-52642-E-1	INFLUENT	200.8, 200.8	R	100 mL	100 mL				
460-52642-E-1 MS	INFLUENT	200.8, 200.8	R	100 mL	100 mL	0.5 mL			

Batch Notes	
Batch Comment	1:1 DHCL LOT MPR225, 1:1 HNO3 LOT MPR 224
Filter Paper Lot Number	09-790F
Lot # of hydrochloric acid	L14042
Hood ID or number	4
Hot Block ID number	3
Pipette ID	2
Temperature	uncorr 96 corr 95 Degrees C
ID number of the thermometer	ICP-3 (-1)
Digestion Tube/Cup Lot #	MH21KK06

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152172 Batch Start Date: 03/21/13 17:30 Batch Analyst: Staib, Thomas

Batch Method: 245.1 Batch End Date: 03/21/13 19:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 01139	ME_DQCS-INT 00858		
ICV 460-152172/7		245.1, 245.1		100 mL	100 mL		5 mL		
CCV 460-152172/8		245.1, 245.1		100 mL	100 mL		5 mL		
CCB 460-152172/9		245.1, 245.1		100 mL	100 mL				
MB 460-152172/11		245.1, 245.1		30 mL	30 mL				
LCS 460-152172/12		245.1, 245.1		30 mL	30 mL	0.6 mL			
460-52706-H-2 DU		245.1, 245.1	T	30 mL	30 mL				
460-52706-H-2 MS		245.1, 245.1	T	30 mL	30 mL	0.6 mL			
460-52642-E-1	INFLUENT	245.1, 245.1	T	30 mL	30 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01653
Sulfuric Acid Lot Number	0000020665
Lot # of hydrochloric acid	HgR01656
Lot # of Nitric Acid	L10022
Hood ID or number	#2
Hot Block ID number	#9
Potassium Persulfate Lot Number	HgR01662
Potassium Permanganate Lot Number	HgR01652
NaCL Lot #	HgR01653
Pipette ID	#25
Stannous Chloride Lot Number	HgR01657
Temperature	96 uncorr 95 corr Degrees C
ID number of the thermometer	Prep-1 (CF -1)
Digestion Tube/Cup Lot #	156179-264

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152172 Batch Start Date: 03/21/13 17:30 Batch Analyst: Staib, Thomas

Batch Method: 245.1 Batch End Date: 03/21/13 19:30

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG No.:

Project: IR-Phillipsburg

Client Sample ID	Lab Sample ID
INFLUENT	460-52642-1

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2013 06:30
Reporting Basis: WET
Date Received: 03/20/2013 14:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0040	mg/L			1	9012A
16887-00-6	Chloride	100	5.0	2.9	mg/L			1	SM 4500 Cl- E

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: INFLUENT
Lab Sample ID: 460-52642-1
Lab Name: TestAmerica Edison
Job No.: 460-52642-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2013 06:30
Reporting Basis: WET
Date Received: 03/20/2013 14:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
64743-03-9	Phenols, Total	ND	0.050		mg/L		*	1	9065

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Analyst: JAK Batch Start Date: 03/21/2013

Reporting Units: mg/L Analytical Batch No.: 152069

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	CCV	10:15	Cyanide, Total	0.189	0.200	95	90-110		WTcnIM3_00959
9	CCB	10:17	Cyanide, Total	ND					
10	ICV	10:18	Cyanide, Total	0.189	0.200	95	90-110		WTcnIM3_00959
20	CCV	10:27	Cyanide, Total	0.192	0.200	96	90-110		WTcnIM3_00959
21	CCB	10:30	Cyanide, Total	ND					
32	CCV	10:39	Cyanide, Total	0.192	0.200	96	90-110		WTcnIM3_00959
33	CCB	10:42	Cyanide, Total	ND					
35	CCV	10:45	Cyanide, Total	0.193	0.200	97	90-110		WTcnIM3_00959
36	CCB	10:48	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Analyst: MB Batch Start Date: 03/14/2013

Reporting Units: mg/L Analytical Batch No.: 151092

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	07:23	Phenols, Total	0.953	1.00	95	90-110		WTphenSS1_00015
2	ICB	07:23	Phenols, Total	ND					
3	CCV	08:05	Phenols, Total	0.956	1.00	96	90-110		WTphenSS1_00015
4	CCB	08:05	Phenols, Total	ND					
15	CCV	08:08	Phenols, Total	0.961	1.00	96	90-110		WTphenSS1_00015
16	CCB	08:08	Phenols, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Analyst: MB Batch Start Date: 03/22/2013

Reporting Units: mg/L Analytical Batch No.: 152390

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:54	Phenols, Total	1.05	1.00	105	90-110		WTphenSS1_00015
2	ICB	17:54	Phenols, Total	ND					
3	CCV	18:19	Phenols, Total	1.02	1.00	102	90-110		WTphenSS1_00015
4	CCB	18:19	Phenols, Total	ND					
15	CCV	18:22	Phenols, Total	1.03	1.00	103	90-110		WTphenSS1_00015
16	CCB	18:22	Phenols, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Analyst: MB Batch Start Date: 03/25/2013

Reporting Units: mg/L Analytical Batch No.: 152658

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	12:31	Chloride	50.0	50.0	100	90-110		WTchlss1_00011
2	ICB	12:31	Chloride	ND					
3	CCV	12:53	Chloride	48.8	50.0	98	90-110		WTchlss1_00011
4	CCB	12:53	Chloride	ND					
15	CCV	12:54	Chloride	51.1	50.0	102	90-110		WTchlss1_00011
16	CCB	12:55	Chloride	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 152069	Date: 03/21/2013 10:31	Prep Batch: 152042	Date: 03/21/2013 09:00				
9012A	MB 460-152042/1-A	Cyanide, Total	ND		mg/L	0.010	1
Batch ID: 151092	Date: 03/14/2013 08:05	Prep Batch: 150908	Date: 03/13/2013 07:00				
9065	MB 460-150908/1-A	Phenols, Total	ND		mg/L	0.050	1
Batch ID: 152390	Date: 03/22/2013 18:19	Prep Batch: 152267	Date: 03/22/2013 07:00				
9065	MB 460-152267/1-A	Phenols, Total	ND		mg/L	0.050	1
Batch ID: 152658	Date: 03/25/2013 12:53						
SM 4500 Cl- E	MB 460-152658/5	Chloride	ND		mg/L	5.0	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 152069	Date: 03/21/2013 10:35		Prep Batch: 152042			Date: 03/21/2013 09:00					
9012A	460-52675-F-1 -B	Cyanide, Total	ND		mg/L						
9012A	460-52675-F-1 -B MS	Cyanide, Total	0.210		mg/L	0.200	105	90-110			
Batch ID: 151092	Date: 03/14/2013 08:05		Prep Batch: 150908			Date: 03/13/2013 07:00					
9065	460-52095-P-1 -A	Phenols, Total	ND		mg/L						
9065	460-52095-P-1 -A MS	Phenols, Total	0.411		mg/L	0.400	103	85-115			
Batch ID: 152658	Date: 03/25/2013 12:53										
SM 4500 Cl- E	460-52838-E-1	Chloride	55		mg/L						
SM 4500 Cl- E	460-52838-E-1 MS	Chloride	105		mg/L	50.0	100	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 152069	Date: 03/21/2013 10:36		Prep Batch: 152042			Date: 03/21/2013 09:00					
9012A	460-52675-F-1 -C MSD	Cyanide, Total	0.211		mg/L	0.200	106	90-110	0	10	
Batch ID: 151092	Date: 03/14/2013 08:05		Prep Batch: 150908			Date: 03/13/2013 07:00					
9065	460-52095-P-1 -B MSD	Phenols, Total	0.426		mg/L	0.400	106	85-115	4	16	
Batch ID: 152658	Date: 03/25/2013 12:53										
SM 4500 Cl- E	460-52838-E-1 MSD	Chloride	105		mg/L	50.0	100	90-110	0	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 151092	Date: 03/14/2013 08:05		Prep Batch: 150908			Date: 03/13/2013 07:00					
						LCS Source: WT PHENOL_00367					
9065	LCS 460-150908/2-A	Phenols, Total	0.409		mg/L	0.400	102	90-110			
Batch ID: 152390	Date: 03/22/2013 18:19		Prep Batch: 152267			Date: 03/22/2013 07:00					
						LCS Source: WT PHENOL_00369					
9065	LCS 460-152267/2-A	Phenols, Total	0.541		mg/L	0.400	135	90-110			*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 152658	Date: 03/25/2013 12:53										
						LCS Source:	WTchlLCS_00038				
SM 4500 Cl- E	LCSSRM 460-152658/6	Chloride	50.1		mg/L	53.0	94.6	88.9-105.8			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LOW LEVEL CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 152069		Date: 03/21/2013 10:32	Prep Batch: 152042			Date: 03/21/2013 09:00					
						LCS Source: WTcnIM1_00922					
9012A	LLCS 460-152042/2-A	Cyanide, Total	0.107		mg/L	0.100	107	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
HIGH LEVEL CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 152069		Date: 03/21/2013 10:33	Prep Batch: 152042			Date: 03/21/2013 09:00					
						LCS Source: WTcnIM1_00922					
9012A	HLCS 460-152042/3-A	Cyanide, Total	0.207		mg/L	0.200	104	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012A MDL Date: 10/31/2012 10:47

Prep Method: 9012A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.004

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012A XMDL Date: 10/31/2012 10:49

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.004

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Konelab1

Method: 9065 RL Date: 10/05/2006 13:27

Prep Method: Distill/Phenol

Analyte	Wavelength/ Mass	RL (mg/L)	
Phenols, Total		0.05	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Konelab1

Method: 9065 XMDL Date: 01/07/2013 09:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Phenols, Total		0.05	0.0065

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Konelab1

Method: SM 4500 Cl- E MDL Date: 11/27/2012 08:54

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chloride		5	2.91

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-52642-1

SDG Number:

Matrix: Water Instrument ID: Konelab1

Method: SM 4500 Cl- E XMDL Date: 11/27/2012 08:54

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chloride		5	2.91

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-152042/1-A	03/21/2013 09:00	152042		5	5
LLCS 460-152042/2-A	03/21/2013 09:00	152042		5	5
HLCS 460-152042/3-A	03/21/2013 09:00	152042		5	5
460-52675-F-1-B MS	03/21/2013 09:00	152042		5	5
460-52675-F-1-C MSD	03/21/2013 09:00	152042		5	5
460-52642-1	03/21/2013 09:00	152042		5	5

FORM XII-IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Prep Method: Distill/Phenol

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-150908/1-A	03/13/2013 07:00	150908		50.0	50.0
LCS 460-150908/2-A	03/13/2013 07:00	150908		50.0	50.0
460-52095-P-1-A MS	03/13/2013 07:00	150908		50.0	50.0
460-52095-P-1-B MSD	03/13/2013 07:00	150908		50.0	50.0

FORM XII-IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Prep Method: Distill/Phenol

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-152267/1-A	03/22/2013 07:00	152267		50.0	50.0
LCS 460-152267/2-A	03/22/2013 07:00	152267		50.0	50.0
460-52642-1	03/22/2013 07:00	152267		50.0	50.0

FORM XII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: Lachat3 Method: 9012A

Start Date: 03/21/2013 10:09 End Date: 03/21/2013 10:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				CN																			
ZZZZZZ			10:09																				
ZZZZZZ			10:10																				
ZZZZZZ			10:10																				
ZZZZZZ			10:11																				
ZZZZZZ			10:12																				
ZZZZZZ			10:13																				
ZZZZZZ			10:14																				
CCV 460-152069/8	1		10:15	X																			
CCB 460-152069/9	1		10:17	X																			
ICV 460-152069/10	1		10:18	X																			
ZZZZZZ			10:19																				
ZZZZZZ			10:20																				
ZZZZZZ			10:21																				
ZZZZZZ			10:22																				
ZZZZZZ			10:23																				
ZZZZZZ			10:24																				
ZZZZZZ			10:24																				
ZZZZZZ			10:25																				
ZZZZZZ			10:26																				
CCV 460-152069/20	1		10:27	X																			
CCB 460-152069/21	1		10:30	X																			
ZZZZZZ			10:31																				
MB 460-152042/1-A	1	T	10:31	X																			
LLCS 460-152042/2-A	1	T	10:32	X																			
HLCS 460-152042/3-A	1	T	10:33	X																			
ZZZZZZ			10:34																				
460-52675-F-1-B MS	1	T	10:35	X																			
460-52675-F-1-C MSD	1	T	10:36	X																			
ZZZZZZ			10:37																				
ZZZZZZ			10:38																				
ZZZZZZ			10:38																				
CCV 460-152069/32	1		10:39	X																			
CCB 460-152069/33	1		10:42	X																			
460-52642-1	1	T	10:43	X																			
CCV 460-152069/35	1		10:45	X																			
CCB 460-152069/36	1		10:48	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: Konelab1 Method: 9065

Start Date: 03/14/2013 07:23 End Date: 03/14/2013 09:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				PhenT																			
ICV 460-151092/1	1		07:23	X																			
ICB 460-151092/2	1		07:23	X																			
CCV 460-151092/3	1		08:05	X																			
CCB 460-151092/4	1		08:05	X																			
MB 460-150908/1-A	1	T	08:05	X																			
LCS 460-150908/2-A	1	T	08:05	X																			
460-52095-P-1-A MS	1	T	08:05	X																			
460-52095-P-1-B MSD	1	T	08:05	X																			
ZZZZZZ			08:05																				
ZZZZZZ			08:05																				
ZZZZZZ			08:05																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
CCV 460-151092/15	1		08:08	X																			
CCB 460-151092/16	1		08:08	X																			
ZZZZZZ			08:08																				
CCV 460-151092/18			08:12																				
CCB 460-151092/19			08:12																				
CCV 460-151092/20			09:00																				
CCB 460-151092/21			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
CCV 460-151092/32			09:03																				
CCB 460-151092/33			09:03																				
ZZZZZZ			09:03																				
ZZZZZZ			09:03																				
CCV 460-151092/36			09:07																				
CCB 460-151092/37			09:07																				
CCV 460-151092/38			09:32																				
CCB 460-151092/39			09:32																				
ZZZZZZ			09:34																				
CCV 460-151092/41			09:35																				
CCB 460-151092/42			09:35																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: Konelab1 Method: 9065

Start Date: 03/14/2013 07:23 End Date: 03/14/2013 09:35

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: Konelab1 Method: 9065

Start Date: 03/22/2013 17:54 End Date: 03/22/2013 18:25

Lab Sample ID	D/F	Type	Time	Analytes																			
				PhenT																			
ICV 460-152390/1	1		17:54	X																			
ICB 460-152390/2	1		17:54	X																			
CCV 460-152390/3	1		18:19	X																			
CCB 460-152390/4	1		18:19	X																			
MB 460-152267/1-A	1	T	18:19	X																			
LCS 460-152267/2-A	1	T	18:19	X																			
ZZZZZZ			18:19																				
ZZZZZZ			18:19																				
ZZZZZZ			18:19																				
ZZZZZZ			18:19																				
ZZZZZZ			18:19																				
460-52642-1	1	T	18:19	X																			
ZZZZZZ			18:19																				
ZZZZZZ			18:19																				
CCV 460-152390/15	1		18:22	X																			
CCB 460-152390/16	1		18:22	X																			
ZZZZZZ			18:22																				
ZZZZZZ			18:22																				
ZZZZZZ			18:22																				
CCV 460-152390/20			18:25																				
CCB 460-152390/21			18:25																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Instrument ID: Konelab1 Method: SM 4500 Cl- E

Start Date: 03/25/2013 12:31 End Date: 03/25/2013 13:00

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-																			
ICV 460-152658/1	1		12:31	X																			
ICB 460-152658/2	1		12:31	X																			
CCV 460-152658/3	1		12:53	X																			
CCB 460-152658/4	1		12:53	X																			
MB 460-152658/5	1	T	12:53	X																			
LCSSRM 460-152658/6	1	T	12:53	X																			
460-52642-1	1	T	12:53	X																			
ZZZZZZ			12:53																				
ZZZZZZ			12:53																				
ZZZZZZ			12:53																				
ZZZZZZ			12:53																				
ZZZZZZ			12:53																				
460-52838-E-1 MS	1	T	12:53	X																			
460-52838-E-1 MSD	1	T	12:53	X																			
CCV 460-152658/15	1		12:54	X																			
CCB 460-152658/16	1		12:55	X																			
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
CCV 460-152658/19			13:00																				
CCB 460-152658/20			13:00																				

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152042 Batch Start Date: 03/21/13 09:00 Batch Analyst: Kowalski, Joseph A

Batch Method: 9012A Batch End Date: 03/21/13 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ChlorineCheck	SulfideCheck	DistillpHCheck	WTcnIM1 00922
MB 460-152042/1		9012A, 9012A		5 mL	5 mL				
LLCS 460-152042/2		9012A, 9012A		5 mL	5 mL				0.05 mL
HLCS 460-152042/3		9012A, 9012A		5 mL	5 mL				0.1 mL
460-52675-F-1 MS		9012A, 9012A	T	5 mL	5 mL	N	N	12	0.1 mL
460-52675-F-1 MSD		9012A, 9012A	T	5 mL	5 mL	N	N	12	0.1 mL
460-52642-D-1	INFLUENT	9012A, 9012A	T	5 mL	5 mL	N	N	12	

Batch Notes	
Distillation Temperature	120 Degrees C
Magnesium Chloride Lot Number	Fisher/103976A
Sodium Hydroxide Reagent ID Number	C-9311-13 exp. 09/02/13
Sulfamic Acid Reagent ID Number	C-9300-13 exp. 08/26/13
Sulfuric Acid Reagent ID Number	C-9272-13 exp. 08/18/13

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152069 Batch Start Date: 03/21/13 10:09 Batch Analyst: Kowalski, Joseph A

Batch Method: 9012A Batch End Date: 03/21/13 10:48

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTcnIM3 00959				
CCV 460-152069/8		9012A		100 mL	2 mL				
ICV 460-152069/10		9012A		100 mL	2 mL				
CCV 460-152069/20		9012A		100 mL	2 mL				
CCV 460-152069/32		9012A		100 mL	2 mL				
CCV 460-152069/35		9012A		100 mL	2 mL				

Batch Notes	
Batch Comment	B(06193-06199)-13 CAL exp. 03/21/13
Buffer Reagent ID Number	C-9356-13 exp. 04/18/13
Chloramine-T Reagent ID Number	C-9363-13 exp. 03/21/13
First End time	B(06200)-13 : CCV exp. 03/21/13
NaOH Lot #	C-9354-13 exp. 09/18/13
Pyridine-Barbituric Acid Reagent ID	C-9355-13 exp. 03/25/13

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 150908 Batch Start Date: 03/13/13 07:00 Batch Analyst: Afremova, Izabella

Batch Method: Distill/Phenol Batch End Date: 03/13/13 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	WT PHENOL 00367	
MB 460-150908/1		Distill/Phenol, 9065		50.0 mL	50.0 mL	5.75	2.79		
LCS 460-150908/2		Distill/Phenol, 9065		50.0 mL	50.0 mL	5.77	2.83	0.2 mL	
460-52095-P-1 MS		Distill/Phenol, 9065	T	50.0 mL	50.0 mL	1.47	2.59	0.2 mL	
460-52095-P-1 MSD		Distill/Phenol, 9065	T	50.0 mL	50.0 mL	1.44	2.61	0.2 mL	

Batch Notes	
Acid used for pH adjustment	(1:9) H3PO4 # 9044-12 exp.06/06/13
Copper II Sulfate Pentahydrate ID	# C - 9043-12 exp.06/06/13
Distillation Temperature	210 Degrees C
Residual Chlorine Present	N

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 151092 Batch Start Date: 03/14/13 07:23 Batch Analyst: Cabanganan, Maria

Batch Method: 9065 Batch End Date: 03/14/13 09:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTphenSS1 00015				
ICV 460-151092/1		9065		100 mL	0.1 mL				
CCV 460-151092/3		9065		100 mL	0.1 mL				
CCV 460-151092/15		9065		100 mL	0.1 mL				

Batch Notes	
Buffer Solution ID	C-9115-13 exp. 06/03/13
Color Reagent 1 ID	4AAP: C-9344-13 exp. 03/14/13
Color Reagent 2 ID	K3Fe(CN)6: C-9338-13 exp. 03/26/13
Color Reagent ID Number	Cal curve: A(57603-57609)13 exp. 03/19/13
pH Meter ID	CCV: A(57602)13 exp. 03/19/13

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152267 Batch Start Date: 03/22/13 07:00 Batch Analyst: Afremova, Izabella

Batch Method: Distill/Phenol Batch End Date: 03/22/13 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	WT PHENOL 00369	
MB 460-152267/1		Distill/Phenol, 9065		50.0 mL	50.0 mL	6.71	2.77		
LCS 460-152267/2		Distill/Phenol, 9065		50.0 mL	50.0 mL	6.70	2.85	0.2 mL	
460-52642-J-1	INFLUENT	Distill/Phenol, 9065	T	50.0 mL	50.0 mL	1.33	2.78		

Batch Notes	
Acid used for pH adjustment	(1:9) H3PO4 # C - 9044-12 exp.06/06/13
Copper II Sulfate Pentahydrate ID	# C - 9043-12 exp.06/06/13
Distillation Temperature	210 Degrees C
Residual Chlorine Present	N

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152390 Batch Start Date: 03/22/13 17:54 Batch Analyst: Cabanganan, Maria

Batch Method: 9065 Batch End Date: 03/22/13 18:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTphenSS1 00015				
ICV 460-152390/1		9065		100 mL	0.1 mL				
CCV 460-152390/3		9065		100 mL	0.1 mL				
CCV 460-152390/15		9065		100 mL	0.1 mL				

Batch Notes	
Buffer Solution ID	C-9115-13 exp. 06/03/13
Color Reagent 1 ID	K3Fe(CN)6: C-9338-13 exp. 03/26/13
Color Reagent 2 ID	4AAP: C-9367-13 exp. 04/22/13
Color Reagent ID Number	Cal. curve: A(57721-57727)13 exp. 04/20/13
pH Meter ID	CCV: A(57720)13 exp. 04/20/13

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-52642-1

SDG No.:

Batch Number: 152658 Batch Start Date: 03/25/13 12:31 Batch Analyst: Cabanganan, Maria

Batch Method: SM 4500 Cl- E Batch End Date: 03/25/13 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTchlLCS 00038	WTchlSP1 00014	WTchlss1 00011		
ICV 460-152658/1		SM 4500 Cl- E		50 mL			2.5 mL		
CCV 460-152658/3		SM 4500 Cl- E		50 mL			2.5 mL		
LCSSRM 460-152658/6		SM 4500 Cl- E		50 mL	50 mL				
460-52838-E-1 MS		SM 4500 Cl- E	T	50 mL		2.5 mL			
460-52838-E-1 MSD		SM 4500 Cl- E	T	50 mL		2.5 mL			
CCV 460-152658/15		SM 4500 Cl- E		50 mL			2.5 mL		

Batch Notes	
Color Reagent ID Number	C-9353-13 exp. 09/18/13
Filter Paper Lot Number	CCV: A(57701)13 exp 04/18/13
Pipette ID	Cal. curve: A(57694-57700)13 exp. 04/18/13

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

03/28/2013

Name (for report and invoice): MIKE GEIER
Company: ENVIROGEN
Address: 1117 RT- 31
City: LEBANON State: NJ
Phone: (908) 487 9770 Fax:

Samplers Name (Printed): MIKE GEIER
P. O. #:

Site/Project Identification: INGERSOLL RAND; P'BURG, NJ
State (Location of site): NJ: [X] NY: [ ] Other:
Regulatory Program: NJPDES - PERMIT RENEWAL

Analysis Turnaround Time
Standard [ ]
Rush Chrages Authorized For:
2 Week [ ]
1 Week [ ] mg
Other [X] 1-DAY

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Loc: 460
52642

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOC's	BNA's	PESTICIDES + DIOXINS, PCB	METALS + TOTAL IRON	CN	TOTAL PHENOLS						Numbers
INFLUENT	3-20-13	06:30	GW	10	X	X	X	X	X	X						1
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH; 6 = Other _____, 7 = Other _____				Soil:												
				Water:	1,2	1	1	1,4	1,5	1,3						

1-Day RUSH

Sub Work

Special Instructions: TAT = 1 DAY; SEE ATTACHED PARAMETER LIST mg

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
Mike Geier	ETI	3/20/13 1230	1) James Threne	TestAmer
2) James Threne	TestAmer	3/20/13 1415	2) [illegible] 3/20/13	1415
3)			3)	
4)			4)	

1-DAY RUSH

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

0° < 1.1° - IRY - No CS

TestAmerica Edison Receipt Temperature and pH Log

Job Number: 52642

Number of Coolers:	1	IR Gun #	4		
Temp. Cooler #1 (Deg C) (Raw/Corrected)	0/1.1	Temp. Cooler #4 (Deg C) (Raw/Corrected)		Temp. Cooler #7 (Deg C) (Raw/Corrected)	
Temp. Cooler #2 (Deg C) (Raw/Corrected)		Temp. Cooler #5 (Deg C) (Raw/Corrected)		Temp. Cooler #8 (Deg C) (Raw/Corrected)	
Temp. Cooler #3 (Deg C) (Raw/Corrected)		Temp. Cooler #6 (Deg C) (Raw/Corrected)		Temp. Cooler #9 (Deg C) (Raw/Corrected)	

Sample No.	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	*Metals (pH<2)	Pest (pH 5-9)	PHC (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other
1				<2			<2				>12		

If pH adjustments are required record the information below:

Sample No(s). adjusted: 1

Preservative Name/Conc.: NaOH

Volume of Preservative used (ml): 1 mL

Lot # of Preservative: C-8955-12

Expiration Date: 5/14/2013

Project Manager and the Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 3, 10/8/12

Initials: CHall

Date: 3/20/13

Login Sample Receipt Checklist

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Login Number: 52642

List Source: TestAmerica Edison

List Number: 1

Creator: Hall, Alonzo

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1° C IR #4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	False	Cn received unpreserved
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Envirogen Technologies Inc

Job Number: 460-52642-1

Login Number: 52642
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 03/21/13 12:43 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	