ASSOCIATES INC.
Engineering Individual Solutions

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RELEASE ABATMENT MEASURE PLAN

University of Massachusetts Amherst
Crampton Residence Hall
256 Sunset Avenue
Amherst, Massachusetts
RTN: 1-18343

July 12, 2011

Prepared for:
Ms. Theresa Bechta
University of Massachusetts
40 Campus Center Way
Amherst, Massachusetts 01003

Prepared by:
ATC Associates Inc.
73 William Franks Drive
West Springfield, Massachusetts 01089

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APPENDICES

1.0 INTRODUCTION

On behalf of the University of Massachusetts (UMass), ATC Associates Inc. (ATC) has prepared this Release Abatement Measure (RAM) Plan in accordance with 310 CMR 40.0444 of the Massachusetts Contingency Plan (MCP). A RAM is warranted to continue soil excavation initiated as a Limited Removal Action (LRA) to remove polychlorinated biphenyl (PCB) impacted soil.

The release area is located beneath a former concrete patio outside the Crampton Hall/Stonewall Center at 256 Sunset Avenue on the campus of UMass in Amherst, Massachusetts (the site). The site is located on the UMass Amherst campus in the Town of Amherst, Hampshire County, Massachusetts. Geographically, the site is situated at 42^0 23' 00.2" North Latitude by 72^0 31' 43.2" West Longitude with Universal Transverse Mercator (UTM) coordinates of 4695303.43 Northing by 703442.66 Easting.

Figure 1, a Site Vicinity Map in **Appendix A**, presents the site location with respect to surrounding topography on a portion of the Williamsburg, Massachusetts, 7.5 x 15-Minute United States Geological Survey Quadrangle Map (1998).

2.0 PERSON ASSUMING RESPONSIBILITY FOR THE RAM

The name, address and telephone number of the Responsible Party conducting the RAM is:

University of Massachusetts
40 Campus Center Way
Amherst, Massachusetts 01003
Contact: Ms. Theresa Bechta
Telephone: (413) 577-3632

The name, address and telephone number of the environmental consultant and Licensed Site Professional (LSP) responsible for supervision of activities at the site in accordance with the MCP is:

Mr. Robert E. Smith, LSP #7839
Division Manager - Environmental Services
ATC Associates Inc.
73 William Franks Drive
West Springfield, Massachusetts 01089
Telephone: (413) 781-0070 Ext. 101

3.0 RELEASE DESCRIPTION

As part of renovation activities at the Crampton Hall, samples of caulking used as an expansion joint material between concrete patio slabs, were analyzed and PCBs were identified. Joints were located at the perimeter of the patio and one joint bisected the concrete patio. Removal and proper management of the caulking was conducted under a Toxic Substances Control Act (TSCA) Work Plan. The LRA was initially implemented to remediate soil beneath the patio, underlying caulking joints. Soil underneath caulked joints were conservatively anticipated to contain PCB concentrations potentially at or above the applicable MCP Reportable Concentration of 2 milligrams per kilogram (mg/kg). A volume of less than 20 cubic yards (cy) was expected to be excavated and an LRA was deemed the appropriate remedial measure.

LRA activities were completed on June 29, 2011 and confirmatory soil sample laboratory analysis revealed PCB concentrations above the applicable MCP Reportable Concentration. Since the volume of

soil containing PCBs in excess of reportable concentrations has reached 20 cubic yards, excavation under the LRA ceased.

In accordance with 310 CMR 40.0315(1)(2) a release to the environment indicated by the measurement of one or more oil and/or hazardous materials (OHM) in soil in an amount equal to or greater than the MCP RCS-1 Reportable Concentration was determined to be present at the site. The total contiguous volume of the impacted soil is considered to be greater than two cubic yards.

A release notification form (RNF) was submitted to the Massachusetts Department of Environmental Protection (MassDEP) reporting the 120-day reporting condition on July 11, 2011. MassDEP assigned Release Tracking Number (RTN) 1-18343 to the site.

4.0 SITE CONDITIONS

In accordance with a TSCA Work Plan, the work conducted to abate the PCB-impacted caulking and concrete required removal of the underlying soil. Approximately 20 cubic yards of PCB impacted soil were excavated from beneath the patio under an LRA. The caulking and concrete were part of an intact structure and were not required to be removed under the LRA. The excavated soil was placed in roll-off dumpsters along with concrete and caulking for off-site disposal. Laboratory analysis of the concrete and caulking indicate the presence of PCBs greater than 50 parts per million (ppm). Waste containing PCBs greater than 50 ppm must be disposed of as hazardous waste. The soil was assumed to contain PCBs greater than 50 ppm as a conservative measure to expedite the waste characterization process. EQ Northeast transported two roll-off dumpsters containing a total of 32 tons (16 tons each) of impacted soil, concrete and caulking for disposal at Wayne Disposal in Belleville, Michigan as PCB hazardous waste on July 5, 2011. Another roll-off containing approximately 15 tons of additional impacted soil and building material is still present at the site in a lined dumpster awaiting disposal. The three roll-off dumpsters contained an estimated total of 47 tons of material including approximately 30 tons of soil and 17 tons of concrete and caulking. Copies of the uniform hazardous waste manifests are included in **Appendix C**. Following excavation of soil, ATC collected 13 confirmatory soil samples from the limits of excavation for submittal to TestAmerica Laboratories of Nashville, TN (TestAmerica) for PCB analysis using EPA method 8082. The limits of excavation and the soil sample locations are depicted in **Figure 2** included in **Appendix A**. A copy of the laboratory report is provided in **Appendix B**.

PCB impacts to deeper soil were not anticipated since the release mechanism was assumed to be leaching from PCB containing caulking and concrete. Since PCBs are relatively insoluble in water, limited vertical migration is typical. Post excavation soil samples exceeding reportable concentrations were observed near the location of two trees formerly located in the patio. The presence of PCB in soils at depth in these locations could be a result of inadvertent mixing of PCB contaminated building materials with deeper soil during the planting of the trees.

5.0 SURROUNDING RECEPTORS

The site is located on the northeast side of the Crampton Hall residential dormitory. Additional dormitories are located within 500 feet to the north, west and south of the site. Sunset Avenue abuts the site to the east. Single family homes are located across Sunset Avenue and within 500 feet to the northeast, east and southeast. Refer to **Figure 2** included in **Appendix A** for a **Site Layout**.

As depicted on the MassDEP Bureau of Waste Site Cleanup (BWSC) Site Scoring Map, dated July 11, 2011, the site is located approximately 1,000 feet south of an area of protected open space. The site is not located in close proximity to surface water or wetlands. The site is not located within a Potential Drinking Water Source Area, Interim Wellhead Protection Area (IWPA), Potentially Productive Aquifer (PPA), NHESP vernal pools or Areas of Critical Environmental Concern (ACEC). A copy of the BWSC map is presented as **Figure 3** included in **Appendix A**.

6.0 RELEASE ABATEMENT MEASURE PLAN

Activities to be conducted under the RAM consist of the following:

- Excavation and removal of up to 100 cubic yards of PCB-impacted soil for off-site disposal;
- Collection and submittal of post-excavation soil samples for PCB laboratory analysis;
- Transportation and off-site disposal of PCB-impacted soil under Uniform Hazardous Waste Manifest protocol; and
- Backfilling of the excavation with clean fill.

Excavation will be conducted in all areas where post excavation samples indicated any detection of PCBs above laboratory reporting limits. The excavation depth is anticipated to be approximately two feet beyond the existing grade. Soil may be excavated deeper underneath the two areas where post excavation soil samples indicated PCBs above reportable concentrations.

6.1 Schedule for Implementation

Field activities related to this RAM (excavation of source area soil impacted or potentially-impacted with PCBs) are expected to resume during the week of July 11, 2011 following submittal of this Plan, in accordance with 310 CMR 40.0443.

6.2 Confirmatory Soil Sampling

Post-excavation confirmatory soil samples will be collected from the limits of excavation, preserved in laboratory supplied glassware and submitted to a Massachusetts certified laboratory for PCB analysis. Actual sample locations and depths will be at the discretion of the field oversight Environmental Professional. Soil sample locations and depths shall be documented on a plan showing existing conditions.

6.3 Reporting

A RAM Status Report shall be submitted to MassDEP by November 8, 2011, unless a RAM Completion Statement and Response Action Outcome (RAO) are submitted by that time.

7.0 HEALTH AND SAFETY PLAN

Pursuant to 310 CMR 40.0018 of the MCP, the site-specific Health and Safety Plan (HASP) designed to protect health, safety, public welfare and the environment will be maintained on-site and implemented during the performance of response actions proposed in this Plan. The HASP will be modified, as needed, prior to any activities associated with the subject release to ensure the protection of health, safety, public welfare and the environment.

8.0 PERMITS

No federal, state or local permits are required to complete this RAM.

9.0 REMEDIAL WASTES TO BE STORED, TREATED, RECYCLED OR RE-USED

Additional PCB-impacted material to be excavated as part of this RAM shall be loaded into lined roll-off containers and transported off-site for disposal under a uniform hazardous waste manifest. The containers will remain at the site which is a controlled construction area with perimeter fencing pending disposal. Remedial waste documentation will be included in future submittals.

10.0 PUBLIC INVOLVEMENT

Public notification letters to inform the Amherst Town Manager and Board of Health Chairman of the availability of this RAM Plan and RAM activities being conducted at the site are being sent concurrently with electronic submittal of this Plan to MassDEP. Copies of the public notification letters are included as **Appendix D**.

11.0 LICENSED SITE PROFESSIONAL OPINION

This RAM Plan has been prepared by ATC for the sole intended use of the University of Massachusetts. RAM activities will be implemented and completed in accordance with the provisions of this RAM Plan and the requirements of the MCP.

The LSP opinion is provided in Section E of the RAM Transmittal Form (BWSC-106) that accompanies this document. MassDEP Form BWSC-106 is included with the electronic submittal of this document via eDEP.s

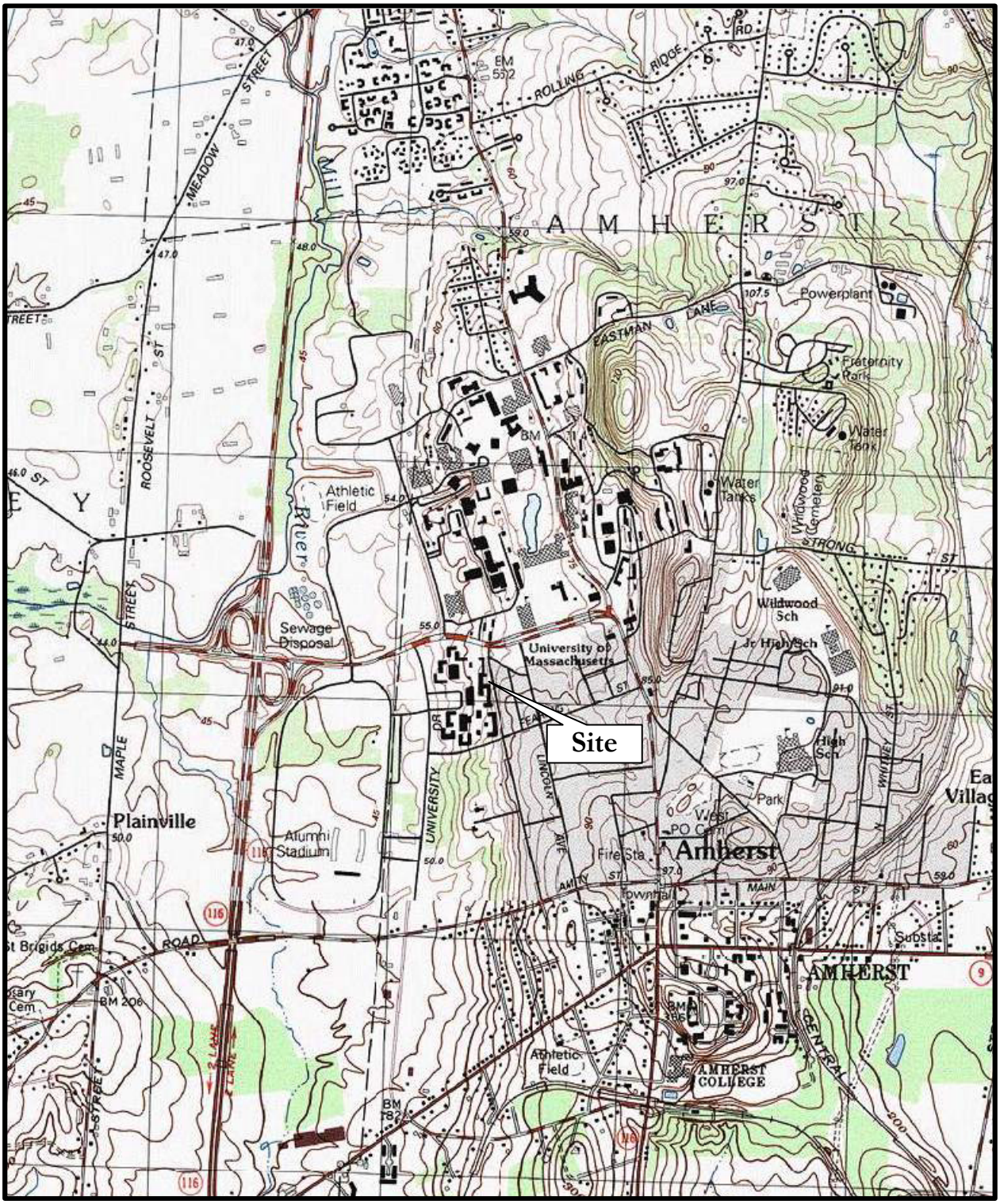
It is the opinion of the LSP-of-Record (Mr. Robert Smith, LSP License No. 7839) that the activities conducted thus far and summarized herein were conducted in accordance with the provisions of 310 CMR 40.0000 as promulgated on December 14, 2007. The activities proposed in this RAM Plan shall be conducted in accordance with the provisions of 310 CMR 40.0000 under the direction of LSP-of-Record.

APPENDIX A – FIGURES

Figure 1 - Site Vicinity Map

Figure 2 - Site Layout

Figure 3 - Priority Resources Map



Source: Williamsburg, MA (1998)
USGS 7.5x15-Minute Quadrangle Map
Contour Interval = 3 Feet
Scale: 1:25,000

ATC ASSOCIATES INC.

FIGURE 1 – Site Vicinity Map
Crampton Hall/Stonewall Center
256 Sunset Avenue
Amherst, Massachusetts 01003

NORTH

GRASSY/LANDSCAPED AREA

OPEN WALKWAY

ASPHALT

CONCRETE WALL

SWP-03

SWP-05

SWP-08

SWP-10

SWP-11

PCB CAULKING
EXPANSION JOINT
STRIPS

SWP-07

PCB CAULKING
EXPANSION JOINT
STRIPS

SWP-02

SWP-12

SWP-09

SWP-04

SWP-06

SWP-01

SWP-13

CONCRETE WALL

ENTRYWAY TO
STONEWALL CENTER

SLIDING GLASS DOOR

SUNSET AVENUE

CRAMPTON HALL/STONEWALL
CENTER BUILDING

LEGEND

EDGE OF ROADWAY

LIMIT OF EXCAVATION
(June 2011 - 40 ft x 15 ft x 1 ft)

SWP-13 LAB-ANALYZED SOIL SAMPLE

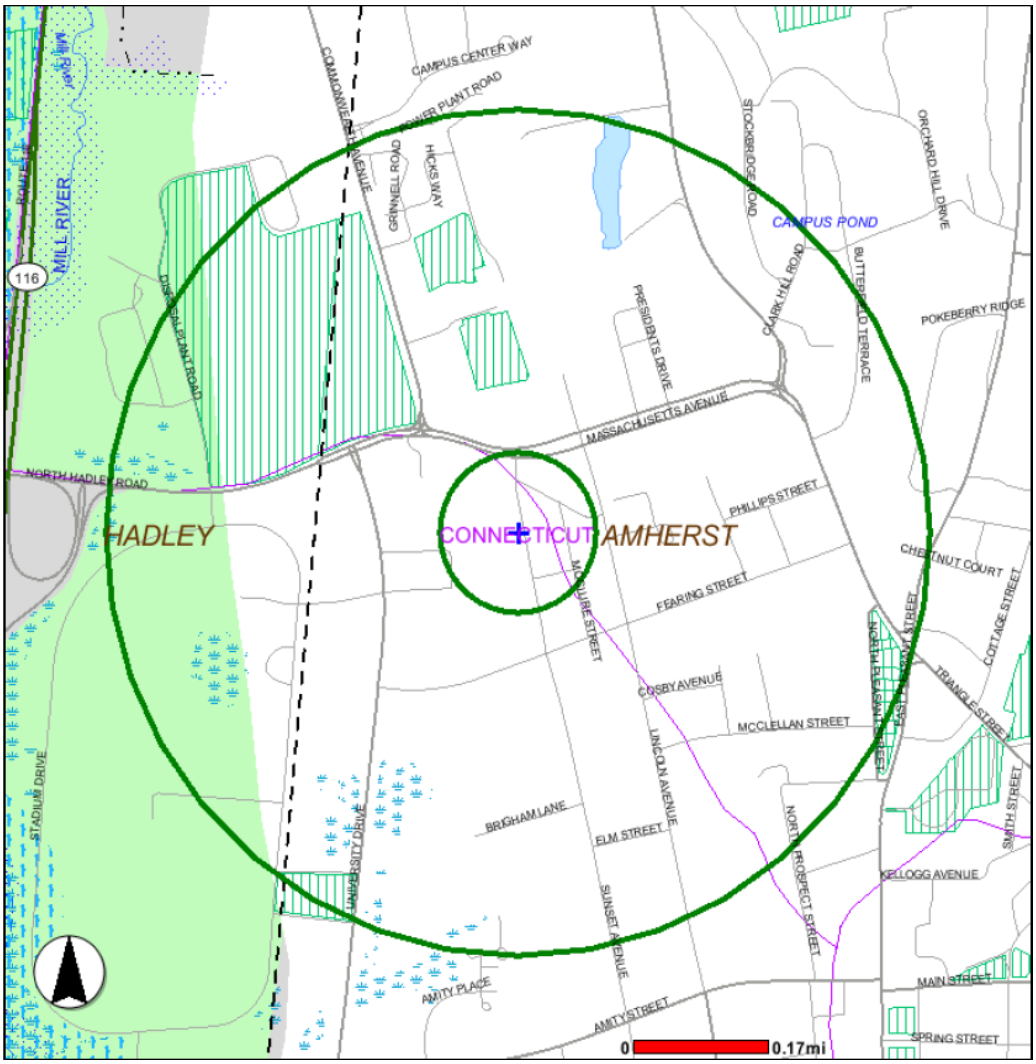
PROJECT NUMBER: 081.35545.0004	DRAFTSMAN AAD		
DRAWING NUMBER: FIGURE 2	CKD. BY: RS	APP'D BY: RS	CKD. DATE: 7/11/2011
DATE: 7/11/2011			
SCALE: Not To Scale			

SITE LAYOUT

CRAMPTON HALL/STONEWALL CENTER
AMHERST, MASSACHUSETTS

VATC ASSOCIATES INC.
73 WILLIAM FRANKS DRIVE
WEST SPRINGFIELD, MA

FIGURE: 2



DEP MCP 21e Map Legend

- Zone IIs
- IWPAs
- Zone A
- Sole Source Aquifers
- Solid Waste Sites
- Protected Openspace
- ACECs
- NHESP Estimated Habitat of Rare Wildlife in Wetland Areas
- Certified Vernal Pools 2003 NHESP
- Subbasins
- Mass Major Basins
- DEP Region
- Town Arcs
- County Boundaries

Aquifers, By Yield
- HIGH YIELD
- MEDIUM YIELD

Non Potential Drinking Water Source Area
- HIGH YIELD
- MEDIUM YIELD

FEMA Floodplains
- 100 YEAR FLOODPLAIN

Hydrography
- WATER
- RESERVOIR
- WETLANDS
- SALTWATER WETLANDS
- FLATS,SHOALS

Rivers and Streams
- PERENNIAL
- INTERMITTENT
- SHORELINE
- MAN MADE SHORE
- DAM
- AQUEDUCT

EOT-OTP Roads
- LIMITED ACCESS HIGHWAY
- MULTI LANE HWY, NOT LIMITED ACCESS
- OTHER NUMBERED HWY
- MAJOR ROAD - COLLECTOR
- MINOR STREET OR ROAD, RAMP

Tracks and Trails MHD
- TRACK
- TRAIL

Transmission Lines
- PIPELINE
- POWERLINE
- TRAIN

SOURCE:
MASSGIS Online
Priority Resources Map Viewer
July 11, 2011

ATC ASSOCIATES INC.

FIGURE 3 –Priority Resources Map (with 500 Foot & 0.5 Mile Radii)
Crampton Hall/Stonewall Center
256 Sunset Avenue
Amherst, Massachusetts 01003

APPENDIX B – LABORATORY ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Westfield
Westfield Executive Park
53 Southampton Road
Westfield, MA 01085
Tel: (413)572-4000

TestAmerica Job ID: 360-34795-1
Client Project/Site: 081-35545.0004

For:
ATC Associates, Inc.
73 William Franks Drive
West Springfield, Massachusetts 01089

Attn: Mr. Derrick Wissman

Authorized for release by:
07/05/2011 04:29:32 PM
Joe Chimi
Report Production Representative
joe.chimi@testamericainc.com

Designee for

Becky Mason
Project Manager II
becky.mason@testamericainc.com

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Job ID: 360-34795-1

Laboratory: TestAmerica Westfield

Narrative

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

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

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

RECEIPT

The samples were received on 06/29/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 8.8 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2 C of the required temperature or method specified range. For samples with a specified temperature of 4 C, samples with a temperature ranging from just above freezing temperature of water to 6 C 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 and State standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TestAmerica's Reporting Limits (RLs) for this report do not meet WSC-CAM-III method reporting limits due to various reasons such as methodology, dilutions or moisture content (soils). TestAmerica's MA pivot table EDD documents which compound(s) exceed certain regulatory standards. If not included with your deliverables, please contact your Project Manager about the availability of this EDD for your report.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples SWP-01 (360-34795-1), SWP-02 (360-34795-2), SWP-03 (360-34795-3), SWP-04 (360-34795-4), SWP-05 (360-34795-5), SWP-06 (360-34795-6), SWP-07 (360-34795-7), SWP-08 (360-34795-8), SWP-09 (360-34795-9), SWP-10 (360-34795-10), SWP-11 (360-34795-11), SWP-12 (360-34795-12) and SWP-13 (360-34795-13) were analyzed for polychlorinated biphenyls (PCBs) in accordance with SW846 8082A. The samples were prepared on 06/30/2011 and analyzed on 07/01/2011.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for SWP-02 (360-34795-2) and SWP-05 (360-34795-5). No target analytes were detected in these samples. Results would be biased high. DCB Decachlorobiphenyl failed the surrogate recovery criteria high for SWP-03 (360-34795-3), SWP-07 (360-34795-7) and SWP-12 (360-34795-12). The samples showed evidence of matrix interference. Chromatograms are provided. DCB Decachlorobiphenyl failed the surrogate recovery criteria high for LCS 360-76253/2-A and LCSD 360-76253/3-A. Refer to the QC report for details.

PCB-1016 and PCB-1260 failed the recovery criteria high for LCSD 360-76253/3-A. The LCS met percent recovery criteria and the % rpd between the LCS and LCSD was within control limits. Refer to the QC report for details.

PCB-1016, PCB-1260, DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the criteria high for the opening continuing calibration verification (CCV) (secondary column only). PCB-1260 and DCB Decachlorobiphenyl failed the criteria high for the closing CCV (secondary column only).

Samples SWP-03 (360-34795-3)[5X], SWP-10 (360-34795-10)[2X] and SWP-11 (360-34795-11)[2X] required dilution prior to analysis due to high target concentration. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples SWP-01 (360-34795-1), SWP-02 (360-34795-2), SWP-03 (360-34795-3), SWP-04 (360-34795-4), SWP-05 (360-34795-5),

Job ID: 360-34795-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

SWP-06 (360-34795-6), SWP-07 (360-34795-7), SWP-08 (360-34795-8), SWP-09 (360-34795-9), SWP-10 (360-34795-10), SWP-11 (360-34795-11), SWP-12 (360-34795-12) and SWP-13 (360-34795-13) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 06/30/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Westfield** Project #: **360-34795-1**

Project Location: **UMass Amherst** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

360-34795-(1-13)

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	Mass DEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	Mass DEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	Mass DEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☒	9014 Total Cyanide/PAC CAM VI A ☐	332.0 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

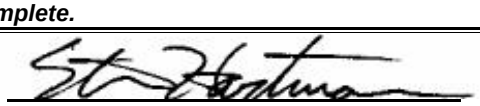
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	☒ Yes ☐ No

[1] All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Steven C. Hartmann Date: 7/5/11 14:56

This form has been electronically signed and approved

Detection Summary

Client: ATC Associates, Inc.
Project/Site: 081-35545.0004

TestAmerica Job ID: 360-34795-1

Client Sample ID: SWP-01 — Lab Sample ID: 360-34795-1

No Detections.

Client Sample ID: SWP-02 — Lab Sample ID: 360-34795-2

No Detections.

Client Sample ID: SWP-03 — Lab Sample ID: 360-34795-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	3.7		0.49	0.27	mg/Kg	5	☼	8082A	Total/NA

Client Sample ID: SWP-04 — Lab Sample ID: 360-34795-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.12		0.11	0.058	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SWP-05 — Lab Sample ID: 360-34795-5

No Detections.

Client Sample ID: SWP-06 — Lab Sample ID: 360-34795-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.24		0.11	0.059	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SWP-07 — Lab Sample ID: 360-34795-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.18		0.10	0.056	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SWP-08 — Lab Sample ID: 360-34795-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.53		0.098	0.053	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.20		0.098	0.023	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SWP-09 — Lab Sample ID: 360-34795-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.46		0.11	0.058	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.21	*	0.11	0.025	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SWP-10 — Lab Sample ID: 360-34795-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	2.2		0.23	0.13	mg/Kg	2	☼	8082A	Total/NA

Client Sample ID: SWP-11 — Lab Sample ID: 360-34795-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	2.2		0.22	0.12	mg/Kg	2	☼	8082A	Total/NA

Client Sample ID: SWP-12 — Lab Sample ID: 360-34795-12

Client Sample ID: SWP-12 (Continued)

Lab Sample ID: 360-34795-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.15		0.11	0.060	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SWP-13

Lab Sample ID: 360-34795-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.29		0.11	0.059	mg/Kg	1	☼	8082A	Total/NA

Method Summary

Client: ATC Associates, Inc.
Project/Site: 081-35545.0004

TestAmerica Job ID: 360-34795-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (GC/ECD)	MA DEP	TAL WFD
Moisture	Percent Moisture	EPA	TAL WFD

Protocol References:

EPA = US Environmental Protection Agency

MA DEP = Massachusetts Department Of Environmental Protection

Laboratory References:

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Sample Summary

Client: ATC Associates, Inc.
Project/Site: 081-35545.0004

TestAmerica Job ID: 360-34795-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
360-34795-1	SWP-01	Solid	06/29/11 14:06	06/29/11 15:57
360-34795-2	SWP-02	Solid	06/29/11 14:10	06/29/11 15:57
360-34795-3	SWP-03	Solid	06/29/11 14:17	06/29/11 15:57
360-34795-4	SWP-04	Solid	06/29/11 14:20	06/29/11 15:57
360-34795-5	SWP-05	Solid	06/29/11 14:23	06/29/11 15:57
360-34795-6	SWP-06	Solid	06/29/11 14:26	06/29/11 15:57
360-34795-7	SWP-07	Solid	06/29/11 14:30	06/29/11 15:57
360-34795-8	SWP-08	Solid	06/29/11 14:33	06/29/11 15:57
360-34795-9	SWP-09	Solid	06/29/11 14:35	06/29/11 15:57
360-34795-10	SWP-10	Solid	06/29/11 14:38	06/29/11 15:57
360-34795-11	SWP-11	Solid	06/29/11 14:42	06/29/11 15:57
360-34795-12	SWP-12	Solid	06/29/11 14:45	06/29/11 15:57
360-34795-13	SWP-13	Solid	06/29/11 14:50	06/29/11 15:57

Method: 8082A - Polychlorinated Biphenyls (GC/ECD)

Client Sample ID: SWP-01 — **Lab Sample ID: 360-34795-1**
Date Collected: 06/29/11 14:06 — **Matrix: Solid**
Date Received: 06/29/11 15:57 — **Percent Solids: 78.2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.12	0.028	mg/Kg	☼	06/30/11 13:10	07/01/11 10:11	1
PCB-1221	ND		0.12	0.10	mg/Kg	☼	06/30/11 13:10	07/01/11 10:11	1
PCB-1232	ND		0.12	0.098	mg/Kg	☼	06/30/11 13:10	07/01/11 10:11	1
PCB-1242	ND		0.12	0.072	mg/Kg	☼	06/30/11 13:10	07/01/11 10:11	1
PCB-1248	ND		0.12	0.082	mg/Kg	☼	06/30/11 13:10	07/01/11 10:11	1
PCB-1254	ND		0.12	0.066	mg/Kg	☼	06/30/11 13:10	07/01/11 10:11	1
PCB-1260	ND		0.12	0.028	mg/Kg	☼	06/30/11 13:10	07/01/11 10:11	1
PCB-1262	ND		0.12	0.084	mg/Kg	☼	06/30/11 13:10	07/01/11 10:11	1
PCB-1268	ND		0.12	0.094	mg/Kg	☼	06/30/11 13:10	07/01/11 10:11	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*30 - 150*	*06/30/11 13:10*	*07/01/11 10:11*	*1*
Tetrachloro-m-xylene	*121*		*30 - 150*	*06/30/11 13:10*	*07/01/11 10:11*	*1*
DCB Decachlorobiphenyl	*119*		*30 - 150*	*06/30/11 13:10*	*07/01/11 10:11*	*1*
DCB Decachlorobiphenyl	*139*		*30 - 150*	*06/30/11 13:10*	*07/01/11 10:11*	*1*

Client Sample ID: SWP-02 — **Lab Sample ID: 360-34795-2**
Date Collected: 06/29/11 14:10 — **Matrix: Solid**
Date Received: 06/29/11 15:57 — **Percent Solids: 83.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.12	0.027	mg/Kg	☼	06/30/11 13:10	07/01/11 10:32	1
PCB-1221	ND		0.12	0.098	mg/Kg	☼	06/30/11 13:10	07/01/11 10:32	1
PCB-1232	ND		0.12	0.094	mg/Kg	☼	06/30/11 13:10	07/01/11 10:32	1
PCB-1242	ND		0.12	0.069	mg/Kg	☼	06/30/11 13:10	07/01/11 10:32	1
PCB-1248	ND		0.12	0.079	mg/Kg	☼	06/30/11 13:10	07/01/11 10:32	1
PCB-1254	ND		0.12	0.063	mg/Kg	☼	06/30/11 13:10	07/01/11 10:32	1
PCB-1260	ND		0.12	0.027	mg/Kg	☼	06/30/11 13:10	07/01/11 10:32	1
PCB-1262	ND		0.12	0.081	mg/Kg	☼	06/30/11 13:10	07/01/11 10:32	1
PCB-1268	ND		0.12	0.091	mg/Kg	☼	06/30/11 13:10	07/01/11 10:32	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*30 - 150*	*06/30/11 13:10*	*07/01/11 10:32*	*1*
Tetrachloro-m-xylene	*130*		*30 - 150*	*06/30/11 13:10*	*07/01/11 10:32*	*1*
DCB Decachlorobiphenyl	*128*		*30 - 150*	*06/30/11 13:10*	*07/01/11 10:32*	*1*
DCB Decachlorobiphenyl	*153*	*X*	*30 - 150*	*06/30/11 13:10*	*07/01/11 10:32*	*1*

Client Sample ID: SWP-03 — **Lab Sample ID: 360-34795-3**
Date Collected: 06/29/11 14:17 — **Matrix: Solid**
Date Received: 06/29/11 15:57 — **Percent Solids: 96.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.11	mg/Kg	☼	06/30/11 13:10	07/01/11 14:45	5
PCB-1221	ND		0.49	0.42	mg/Kg	☼	06/30/11 13:10	07/01/11 14:45	5
PCB-1232	ND		0.49	0.40	mg/Kg	☼	06/30/11 13:10	07/01/11 14:45	5
PCB-1242	ND		0.49	0.29	mg/Kg	☼	06/30/11 13:10	07/01/11 14:45	5
PCB-1248	ND		0.49	0.33	mg/Kg	☼	06/30/11 13:10	07/01/11 14:45	5
PCB-1254	**3.7**		0.49	0.27	mg/Kg	☼	06/30/11 13:10	07/01/11 14:45	5
PCB-1260	ND		0.49	0.12	mg/Kg	☼	06/30/11 13:10	07/01/11 14:45	5
PCB-1262	ND		0.49	0.34	mg/Kg	☼	06/30/11 13:10	07/01/11 14:45	5
PCB-1268	ND		0.49	0.38	mg/Kg	☼	06/30/11 13:10	07/01/11 14:45	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*30 - 150*	*06/30/11 13:10*	*07/01/11 14:45*	*5*

Method: 8082A - Polychlorinated Biphenyls (GC/ECD) (Continued)

Client Sample ID: SWP-03
Date Collected: 06/29/11 14:17
Date Received: 06/29/11 15:57

Lab Sample ID: 360-34795-3
Matrix: Solid
Percent Solids: 96.3

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*134*		*30 - 150*	*06/30/11 13:10*	*07/01/11 14:45*	*5*
DCB Decachlorobiphenyl	*139*		*30 - 150*	*06/30/11 13:10*	*07/01/11 14:45*	*5*
DCB Decachlorobiphenyl	*165*	*X*	*30 - 150*	*06/30/11 13:10*	*07/01/11 14:45*	*5*

Client Sample ID: SWP-04
Date Collected: 06/29/11 14:20
Date Received: 06/29/11 15:57

Lab Sample ID: 360-34795-4
Matrix: Solid
Percent Solids: 88.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.11	0.025	mg/Kg	☼	06/30/11 13:10	07/01/11 11:14	1
PCB-1221	ND		0.11	0.090	mg/Kg	☼	06/30/11 13:10	07/01/11 11:14	1
PCB-1232	ND		0.11	0.086	mg/Kg	☼	06/30/11 13:10	07/01/11 11:14	1
PCB-1242	ND		0.11	0.064	mg/Kg	☼	06/30/11 13:10	07/01/11 11:14	1
PCB-1248	ND		0.11	0.073	mg/Kg	☼	06/30/11 13:10	07/01/11 11:14	1
PCB-1254	**0.12**		0.11	0.058	mg/Kg	☼	06/30/11 13:10	07/01/11 11:14	1
PCB-1260	ND		0.11	0.025	mg/Kg	☼	06/30/11 13:10	07/01/11 11:14	1
PCB-1262	ND		0.11	0.074	mg/Kg	☼	06/30/11 13:10	07/01/11 11:14	1
PCB-1268	ND		0.11	0.083	mg/Kg	☼	06/30/11 13:10	07/01/11 11:14	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:14*	*1*
Tetrachloro-m-xylene	*127*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:14*	*1*
DCB Decachlorobiphenyl	*136*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:14*	*1*
DCB Decachlorobiphenyl	*150*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:14*	*1*

Client Sample ID: SWP-05
Date Collected: 06/29/11 14:23
Date Received: 06/29/11 15:57

Lab Sample ID: 360-34795-5
Matrix: Solid
Percent Solids: 91.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.11	0.025	mg/Kg	☼	06/30/11 13:10	07/01/11 11:35	1
PCB-1221	ND		0.11	0.090	mg/Kg	☼	06/30/11 13:10	07/01/11 11:35	1
PCB-1232	ND		0.11	0.086	mg/Kg	☼	06/30/11 13:10	07/01/11 11:35	1
PCB-1242	ND		0.11	0.063	mg/Kg	☼	06/30/11 13:10	07/01/11 11:35	1
PCB-1248	ND		0.11	0.073	mg/Kg	☼	06/30/11 13:10	07/01/11 11:35	1
PCB-1254	ND		0.11	0.058	mg/Kg	☼	06/30/11 13:10	07/01/11 11:35	1
PCB-1260	ND		0.11	0.025	mg/Kg	☼	06/30/11 13:10	07/01/11 11:35	1
PCB-1262	ND		0.11	0.074	mg/Kg	☼	06/30/11 13:10	07/01/11 11:35	1
PCB-1268	ND		0.11	0.083	mg/Kg	☼	06/30/11 13:10	07/01/11 11:35	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:35*	*1*
Tetrachloro-m-xylene	*127*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:35*	*1*
DCB Decachlorobiphenyl	*144*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:35*	*1*
DCB Decachlorobiphenyl	*158*	*X*	*30 - 150*	*06/30/11 13:10*	*07/01/11 11:35*	*1*

Client Sample ID: SWP-06
Date Collected: 06/29/11 14:26
Date Received: 06/29/11 15:57

Lab Sample ID: 360-34795-6
Matrix: Solid
Percent Solids: 91.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.11	0.025	mg/Kg	☼	06/30/11 13:10	07/01/11 11:57	1
PCB-1221	ND		0.11	0.092	mg/Kg	☼	06/30/11 13:10	07/01/11 11:57	1
PCB-1232	ND		0.11	0.088	mg/Kg	☼	06/30/11 13:10	07/01/11 11:57	1

Method: 8082A - Polychlorinated Biphenyls (GC/ECD) (Continued)

Client Sample ID: SWP-06 — **Lab Sample ID: 360-34795-6**
Date Collected: 06/29/11 14:26 — **Matrix: Solid**
Date Received: 06/29/11 15:57 — **Percent Solids: 91.2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.11	0.065	mg/Kg	☼	06/30/11 13:10	07/01/11 11:57	1
PCB-1248	ND		0.11	0.074	mg/Kg	☼	06/30/11 13:10	07/01/11 11:57	1
PCB-1254	**0.24**		0.11	0.059	mg/Kg	☼	06/30/11 13:10	07/01/11 11:57	1
PCB-1260	ND		0.11	0.026	mg/Kg	☼	06/30/11 13:10	07/01/11 11:57	1
PCB-1262	ND		0.11	0.076	mg/Kg	☼	06/30/11 13:10	07/01/11 11:57	1
PCB-1268	ND		0.11	0.085	mg/Kg	☼	06/30/11 13:10	07/01/11 11:57	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:57*	*1*
Tetrachloro-m-xylene	*126*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:57*	*1*
DCB Decachlorobiphenyl	*129*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:57*	*1*
DCB Decachlorobiphenyl	*149*		*30 - 150*	*06/30/11 13:10*	*07/01/11 11:57*	*1*

Client Sample ID: SWP-07 — **Lab Sample ID: 360-34795-7**
Date Collected: 06/29/11 14:30 — **Matrix: Solid**
Date Received: 06/29/11 15:57 — **Percent Solids: 89.5**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.10	0.024	mg/Kg	☼	06/30/11 13:10	07/01/11 12:18	1
PCB-1221	ND		0.10	0.087	mg/Kg	☼	06/30/11 13:10	07/01/11 12:18	1
PCB-1232	ND		0.10	0.083	mg/Kg	☼	06/30/11 13:10	07/01/11 12:18	1
PCB-1242	ND		0.10	0.061	mg/Kg	☼	06/30/11 13:10	07/01/11 12:18	1
PCB-1248	ND		0.10	0.070	mg/Kg	☼	06/30/11 13:10	07/01/11 12:18	1
PCB-1254	**0.18**		0.10	0.056	mg/Kg	☼	06/30/11 13:10	07/01/11 12:18	1
PCB-1260	ND		0.10	0.024	mg/Kg	☼	06/30/11 13:10	07/01/11 12:18	1
PCB-1262	ND		0.10	0.071	mg/Kg	☼	06/30/11 13:10	07/01/11 12:18	1
PCB-1268	ND		0.10	0.080	mg/Kg	☼	06/30/11 13:10	07/01/11 12:18	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*30 - 150*	*06/30/11 13:10*	*07/01/11 12:18*	*1*
Tetrachloro-m-xylene	*127*		*30 - 150*	*06/30/11 13:10*	*07/01/11 12:18*	*1*
DCB Decachlorobiphenyl	*120*		*30 - 150*	*06/30/11 13:10*	*07/01/11 12:18*	*1*
DCB Decachlorobiphenyl	*151*	*X*	*30 - 150*	*06/30/11 13:10*	*07/01/11 12:18*	*1*

Client Sample ID: SWP-08 — **Lab Sample ID: 360-34795-8**
Date Collected: 06/29/11 14:33 — **Matrix: Solid**
Date Received: 06/29/11 15:57 — **Percent Solids: 94.5**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.098	0.022	mg/Kg	☼	06/30/11 13:10	07/01/11 12:39	1
PCB-1221	ND		0.098	0.082	mg/Kg	☼	06/30/11 13:10	07/01/11 12:39	1
PCB-1232	ND		0.098	0.078	mg/Kg	☼	06/30/11 13:10	07/01/11 12:39	1
PCB-1242	ND		0.098	0.058	mg/Kg	☼	06/30/11 13:10	07/01/11 12:39	1
PCB-1248	ND		0.098	0.066	mg/Kg	☼	06/30/11 13:10	07/01/11 12:39	1
PCB-1254	**0.53**		0.098	0.053	mg/Kg	☼	06/30/11 13:10	07/01/11 12:39	1
PCB-1260	**0.20**		0.098	0.023	mg/Kg	☼	06/30/11 13:10	07/01/11 12:39	1
PCB-1262	ND		0.098	0.067	mg/Kg	☼	06/30/11 13:10	07/01/11 12:39	1
PCB-1268	ND		0.098	0.076	mg/Kg	☼	06/30/11 13:10	07/01/11 12:39	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*105*		*30 - 150*	*06/30/11 13:10*	*07/01/11 12:39*	*1*
Tetrachloro-m-xylene	*124*		*30 - 150*	*06/30/11 13:10*	*07/01/11 12:39*	*1*
DCB Decachlorobiphenyl	*128*		*30 - 150*	*06/30/11 13:10*	*07/01/11 12:39*	*1*
DCB Decachlorobiphenyl	*147*		*30 - 150*	*06/30/11 13:10*	*07/01/11 12:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (GC/ECD)

Client Sample ID: SWP-09
Date Collected: 06/29/11 14:35
Date Received: 06/29/11 15:57

Lab Sample ID: 360-34795-9
Matrix: Solid
Percent Solids: 91.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.11	0.025	mg/Kg	☼	06/30/11 13:10	07/01/11 13:00	1
PCB-1221	ND		0.11	0.090	mg/Kg	☼	06/30/11 13:10	07/01/11 13:00	1
PCB-1232	ND		0.11	0.086	mg/Kg	☼	06/30/11 13:10	07/01/11 13:00	1
PCB-1242	ND		0.11	0.063	mg/Kg	☼	06/30/11 13:10	07/01/11 13:00	1
PCB-1248	ND		0.11	0.072	mg/Kg	☼	06/30/11 13:10	07/01/11 13:00	1
PCB-1254	**0.46**		0.11	0.058	mg/Kg	☼	06/30/11 13:10	07/01/11 13:00	1
PCB-1260	**0.21**	*	0.11	0.025	mg/Kg	☼	06/30/11 13:10	07/01/11 13:00	1
PCB-1262	ND		0.11	0.074	mg/Kg	☼	06/30/11 13:10	07/01/11 13:00	1
PCB-1268	ND		0.11	0.083	mg/Kg	☼	06/30/11 13:10	07/01/11 13:00	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*30 - 150*	*06/30/11 13:10*	*07/01/11 13:00*	*1*
Tetrachloro-m-xylene	*125*		*30 - 150*	*06/30/11 13:10*	*07/01/11 13:00*	*1*
DCB Decachlorobiphenyl	*131*		*30 - 150*	*06/30/11 13:10*	*07/01/11 13:00*	*1*
DCB Decachlorobiphenyl	*147*		*30 - 150*	*06/30/11 13:10*	*07/01/11 13:00*	*1*

Client Sample ID: SWP-10
Date Collected: 06/29/11 14:38
Date Received: 06/29/11 15:57

Lab Sample ID: 360-34795-10
Matrix: Solid
Percent Solids: 83.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.054	mg/Kg	☼	06/30/11 13:10	07/01/11 13:21	2
PCB-1221	ND		0.23	0.20	mg/Kg	☼	06/30/11 13:10	07/01/11 13:21	2
PCB-1232	ND		0.23	0.19	mg/Kg	☼	06/30/11 13:10	07/01/11 13:21	2
PCB-1242	ND		0.23	0.14	mg/Kg	☼	06/30/11 13:10	07/01/11 13:21	2
PCB-1248	ND		0.23	0.16	mg/Kg	☼	06/30/11 13:10	07/01/11 13:21	2
PCB-1254	**2.2**		0.23	0.13	mg/Kg	☼	06/30/11 13:10	07/01/11 13:21	2
PCB-1260	ND		0.23	0.055	mg/Kg	☼	06/30/11 13:10	07/01/11 13:21	2
PCB-1262	ND		0.23	0.16	mg/Kg	☼	06/30/11 13:10	07/01/11 13:21	2
PCB-1268	ND		0.23	0.18	mg/Kg	☼	06/30/11 13:10	07/01/11 13:21	2

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*30 - 150*	*06/30/11 13:10*	*07/01/11 13:21*	*2*
Tetrachloro-m-xylene	*117*		*30 - 150*	*06/30/11 13:10*	*07/01/11 13:21*	*2*
DCB Decachlorobiphenyl	*119*		*30 - 150*	*06/30/11 13:10*	*07/01/11 13:21*	*2*
DCB Decachlorobiphenyl	*121*		*30 - 150*	*06/30/11 13:10*	*07/01/11 13:21*	*2*

Client Sample ID: SWP-11
Date Collected: 06/29/11 14:42
Date Received: 06/29/11 15:57

Lab Sample ID: 360-34795-11
Matrix: Solid
Percent Solids: 86.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.052	mg/Kg	☼	06/30/11 13:10	07/01/11 13:42	2
PCB-1221	ND		0.22	0.19	mg/Kg	☼	06/30/11 13:10	07/01/11 13:42	2
PCB-1232	ND		0.22	0.18	mg/Kg	☼	06/30/11 13:10	07/01/11 13:42	2
PCB-1242	ND		0.22	0.13	mg/Kg	☼	06/30/11 13:10	07/01/11 13:42	2
PCB-1248	ND		0.22	0.15	mg/Kg	☼	06/30/11 13:10	07/01/11 13:42	2
PCB-1254	**2.2**		0.22	0.12	mg/Kg	☼	06/30/11 13:10	07/01/11 13:42	2
PCB-1260	ND		0.22	0.053	mg/Kg	☼	06/30/11 13:10	07/01/11 13:42	2
PCB-1262	ND		0.22	0.15	mg/Kg	☼	06/30/11 13:10	07/01/11 13:42	2
PCB-1268	ND		0.22	0.17	mg/Kg	☼	06/30/11 13:10	07/01/11 13:42	2

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*30 - 150*	*06/30/11 13:10*	*07/01/11 13:42*	*2*

Method: 8082A - Polychlorinated Biphenyls (GC/ECD) (Continued)

Client Sample ID: SWP-11
Date Collected: 06/29/11 14:42
Date Received: 06/29/11 15:57

Lab Sample ID: 360-34795-11
Matrix: Solid
Percent Solids: 86.7

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		30 - 150	06/30/11 13:10	07/01/11 13:42	2
DCB Decachlorobiphenyl	127		30 - 150	06/30/11 13:10	07/01/11 13:42	2
DCB Decachlorobiphenyl	125		30 - 150	06/30/11 13:10	07/01/11 13:42	2

Client Sample ID: SWP-12
Date Collected: 06/29/11 14:45
Date Received: 06/29/11 15:57

Lab Sample ID: 360-34795-12
Matrix: Solid
Percent Solids: 88.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.11	0.026	mg/Kg	☼	06/30/11 13:10	07/01/11 14:03	1
PCB-1221	ND		0.11	0.094	mg/Kg	☼	06/30/11 13:10	07/01/11 14:03	1
PCB-1232	ND		0.11	0.090	mg/Kg	☼	06/30/11 13:10	07/01/11 14:03	1
PCB-1242	ND		0.11	0.066	mg/Kg	☼	06/30/11 13:10	07/01/11 14:03	1
PCB-1248	ND		0.11	0.075	mg/Kg	☼	06/30/11 13:10	07/01/11 14:03	1
PCB-1254	**0.15**		0.11	0.060	mg/Kg	☼	06/30/11 13:10	07/01/11 14:03	1
PCB-1260	ND		0.11	0.026	mg/Kg	☼	06/30/11 13:10	07/01/11 14:03	1
PCB-1262	ND		0.11	0.077	mg/Kg	☼	06/30/11 13:10	07/01/11 14:03	1
PCB-1268	ND		0.11	0.086	mg/Kg	☼	06/30/11 13:10	07/01/11 14:03	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	116		30 - 150	06/30/11 13:10	07/01/11 14:03	1
Tetrachloro-m-xylene	129		30 - 150	06/30/11 13:10	07/01/11 14:03	1
DCB Decachlorobiphenyl	135		30 - 150	06/30/11 13:10	07/01/11 14:03	1
DCB Decachlorobiphenyl	153	X	30 - 150	06/30/11 13:10	07/01/11 14:03	1

Client Sample ID: SWP-13
Date Collected: 06/29/11 14:50
Date Received: 06/29/11 15:57

Lab Sample ID: 360-34795-13
Matrix: Solid
Percent Solids: 90.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.11	0.025	mg/Kg	☼	06/30/11 13:10	07/01/11 14:24	1
PCB-1221	ND		0.11	0.092	mg/Kg	☼	06/30/11 13:10	07/01/11 14:24	1
PCB-1232	ND		0.11	0.088	mg/Kg	☼	06/30/11 13:10	07/01/11 14:24	1
PCB-1242	ND		0.11	0.065	mg/Kg	☼	06/30/11 13:10	07/01/11 14:24	1
PCB-1248	ND		0.11	0.074	mg/Kg	☼	06/30/11 13:10	07/01/11 14:24	1
PCB-1254	**0.29**		0.11	0.059	mg/Kg	☼	06/30/11 13:10	07/01/11 14:24	1
PCB-1260	ND		0.11	0.026	mg/Kg	☼	06/30/11 13:10	07/01/11 14:24	1
PCB-1262	ND		0.11	0.075	mg/Kg	☼	06/30/11 13:10	07/01/11 14:24	1
PCB-1268	ND		0.11	0.085	mg/Kg	☼	06/30/11 13:10	07/01/11 14:24	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		30 - 150	06/30/11 13:10	07/01/11 14:24	1
Tetrachloro-m-xylene	101		30 - 150	06/30/11 13:10	07/01/11 14:24	1
DCB Decachlorobiphenyl	104		30 - 150	06/30/11 13:10	07/01/11 14:24	1
DCB Decachlorobiphenyl	117		30 - 150	06/30/11 13:10	07/01/11 14:24	1

General Chemistry

Client Sample ID: SWP-01 — **Lab Sample ID: 360-34795-1**
Date Collected: 06/29/11 14:06 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	78		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-02 — **Lab Sample ID: 360-34795-2**
Date Collected: 06/29/11 14:10 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	83		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-03 — **Lab Sample ID: 360-34795-3**
Date Collected: 06/29/11 14:17 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.7		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	96		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-04 — **Lab Sample ID: 360-34795-4**
Date Collected: 06/29/11 14:20 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	88		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-05 — **Lab Sample ID: 360-34795-5**
Date Collected: 06/29/11 14:23 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.0		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	91		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-06 — **Lab Sample ID: 360-34795-6**
Date Collected: 06/29/11 14:26 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.8		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	91		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-07 — **Lab Sample ID: 360-34795-7**
Date Collected: 06/29/11 14:30 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	89		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-08 — **Lab Sample ID: 360-34795-8**
Date Collected: 06/29/11 14:33 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.5		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	95		1.0	1.0	%			06/30/11 15:18	1

Client: ATC Associates, Inc.
Project/Site: 081-35545.0004

TestAmerica Job ID: 360-34795-1

General Chemistry

Client Sample ID: SWP-09 — **Lab Sample ID: 360-34795-9**
Date Collected: 06/29/11 14:35 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.5		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	92		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-10 — **Lab Sample ID: 360-34795-10**
Date Collected: 06/29/11 14:38 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	84		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-11 — **Lab Sample ID: 360-34795-11**
Date Collected: 06/29/11 14:42 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	87		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-12 — **Lab Sample ID: 360-34795-12**
Date Collected: 06/29/11 14:45 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	88		1.0	1.0	%			06/30/11 15:18	1

Client Sample ID: SWP-13 — **Lab Sample ID: 360-34795-13**
Date Collected: 06/29/11 14:50 — **Matrix: Solid**
Date Received: 06/29/11 15:57

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.5		1.0	1.0	%			06/30/11 15:18	1
Percent Solids	90		1.0	1.0	%			06/30/11 15:18	1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

GC Semi VOA

Prep Batch: 76253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-76253/1-A	Method Blank	Total/NA	Solid	3540C	
LCS 360-76253/2-A	Lab Control Sample	Total/NA	Solid	3540C	
LCSD 360-76253/3-A	Lab Control Sample Dup	Total/NA	Solid	3540C	
360-34795-1	SWP-01	Total/NA	Solid	3540C	
360-34795-2	SWP-02	Total/NA	Solid	3540C	
360-34795-3	SWP-03	Total/NA	Solid	3540C	
360-34795-4	SWP-04	Total/NA	Solid	3540C	
360-34795-5	SWP-05	Total/NA	Solid	3540C	
360-34795-6	SWP-06	Total/NA	Solid	3540C	
360-34795-7	SWP-07	Total/NA	Solid	3540C	
360-34795-8	SWP-08	Total/NA	Solid	3540C	
360-34795-9	SWP-09	Total/NA	Solid	3540C	
360-34795-10	SWP-10	Total/NA	Solid	3540C	
360-34795-11	SWP-11	Total/NA	Solid	3540C	
360-34795-12	SWP-12	Total/NA	Solid	3540C	
360-34795-13	SWP-13	Total/NA	Solid	3540C	

Analysis Batch: 76301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-76253/1-A	Method Blank	Total/NA	Solid	8082A	76253
LCS 360-76253/2-A	Lab Control Sample	Total/NA	Solid	8082A	76253
LCSD 360-76253/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	76253
360-34795-1	SWP-01	Total/NA	Solid	8082A	76253
360-34795-2	SWP-02	Total/NA	Solid	8082A	76253
360-34795-4	SWP-04	Total/NA	Solid	8082A	76253
360-34795-5	SWP-05	Total/NA	Solid	8082A	76253
360-34795-6	SWP-06	Total/NA	Solid	8082A	76253
360-34795-7	SWP-07	Total/NA	Solid	8082A	76253
360-34795-8	SWP-08	Total/NA	Solid	8082A	76253
360-34795-9	SWP-09	Total/NA	Solid	8082A	76253
360-34795-10	SWP-10	Total/NA	Solid	8082A	76253
360-34795-11	SWP-11	Total/NA	Solid	8082A	76253
360-34795-12	SWP-12	Total/NA	Solid	8082A	76253
360-34795-13	SWP-13	Total/NA	Solid	8082A	76253
360-34795-3	SWP-03	Total/NA	Solid	8082A	76253

General Chemistry

Analysis Batch: 76260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-34795-1	SWP-01	Total/NA	Solid	Moisture	
360-34795-2	SWP-02	Total/NA	Solid	Moisture	
360-34795-3	SWP-03	Total/NA	Solid	Moisture	
360-34795-4	SWP-04	Total/NA	Solid	Moisture	
360-34795-5	SWP-05	Total/NA	Solid	Moisture	
360-34795-6	SWP-06	Total/NA	Solid	Moisture	
360-34795-7	SWP-07	Total/NA	Solid	Moisture	
360-34795-8	SWP-08	Total/NA	Solid	Moisture	
360-34795-9	SWP-09	Total/NA	Solid	Moisture	
360-34795-10	SWP-10	Total/NA	Solid	Moisture	
360-34795-11	SWP-11	Total/NA	Solid	Moisture	
360-34795-12	SWP-12	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 76260 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-34795-13	SWP-13	Total/NA	Solid	Moisture	

Client: ATC Associates, Inc.
Project/Site: 081-35545.0004

TestAmerica Job ID: 360-34795-1

Method: 8082A - Polychlorinated Biphenyls (GC/ECD)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCB1	DCB2
Lab Sample ID	Client Sample ID	(30-150)	(30-150)	(30-150)	(30-150)
360-34795-1	SWP-01	106	121	119	139
360-34795-2	SWP-02	111	130	128	153 X
360-34795-3	SWP-03	118	134	139	165 X
360-34795-4	SWP-04	109	127	136	150
360-34795-5	SWP-05	109	127	144	158 X
360-34795-6	SWP-06	106	126	129	149
360-34795-7	SWP-07	106	127	120	151 X
360-34795-8	SWP-08	105	124	128	147
360-34795-9	SWP-09	97	125	131	147
360-34795-10	SWP-10	103	117	119	121
360-34795-11	SWP-11	107	115	127	125
360-34795-12	SWP-12	116	129	135	153 X
360-34795-13	SWP-13	86	101	104	117
LCS 360-76253/2-A	Lab Control Sample	98	125	127	155 X
LCSD 360-76253/3-A	Lab Control Sample Dup	105	131	145	163 X
MB 360-76253/1-A	Method Blank	88	110	117	136

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (GC/ECD)

Lab Sample ID: MB 360-76253/1-A
Matrix: Solid
Analysis Batch: 76301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 76253

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.10	0.023	mg/Kg		06/30/11 13:10	07/01/11 09:08	1
PCB-1221	ND		0.10	0.084	mg/Kg		06/30/11 13:10	07/01/11 09:08	1
PCB-1232	ND		0.10	0.080	mg/Kg		06/30/11 13:10	07/01/11 09:08	1
PCB-1242	ND		0.10	0.059	mg/Kg		06/30/11 13:10	07/01/11 09:08	1
PCB-1248	ND		0.10	0.068	mg/Kg		06/30/11 13:10	07/01/11 09:08	1
PCB-1254	ND		0.10	0.054	mg/Kg		06/30/11 13:10	07/01/11 09:08	1
PCB-1260	ND		0.10	0.023	mg/Kg		06/30/11 13:10	07/01/11 09:08	1
PCB-1262	ND		0.10	0.069	mg/Kg		06/30/11 13:10	07/01/11 09:08	1
PCB-1268	ND		0.10	0.078	mg/Kg		06/30/11 13:10	07/01/11 09:08	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*30 - 150*	*06/30/11 13:10*	*07/01/11 09:08*	*1*
Tetrachloro-m-xylene	*110*		*30 - 150*	*06/30/11 13:10*	*07/01/11 09:08*	*1*
DCB Decachlorobiphenyl	*117*		*30 - 150*	*06/30/11 13:10*	*07/01/11 09:08*	*1*
DCB Decachlorobiphenyl	*136*		*30 - 150*	*06/30/11 13:10*	*07/01/11 09:08*	*1*

Lab Sample ID: LCS 360-76253/2-A
Matrix: Solid
Analysis Batch: 76301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 76253

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
PCB-1016			0.500	0.659		mg/Kg		132	40 - 140		
PCB-1260			0.500	0.687		mg/Kg		137	40 - 140		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*98*		*30 - 150*
Tetrachloro-m-xylene	*125*		*30 - 150*
DCB Decachlorobiphenyl	*127*		*30 - 150*
DCB Decachlorobiphenyl	*155*	*X*	*30 - 150*

Lab Sample ID: LCSD 360-76253/3-A
Matrix: Solid
Analysis Batch: 76301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 76253

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
PCB-1016			0.500	0.712	*	mg/Kg		142	40 - 140	8	30
PCB-1260			0.500	0.755	*	mg/Kg		151	40 - 140	9	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*105*		*30 - 150*
Tetrachloro-m-xylene	*131*		*30 - 150*
DCB Decachlorobiphenyl	*145*		*30 - 150*
DCB Decachlorobiphenyl	*163*	*X*	*30 - 150*

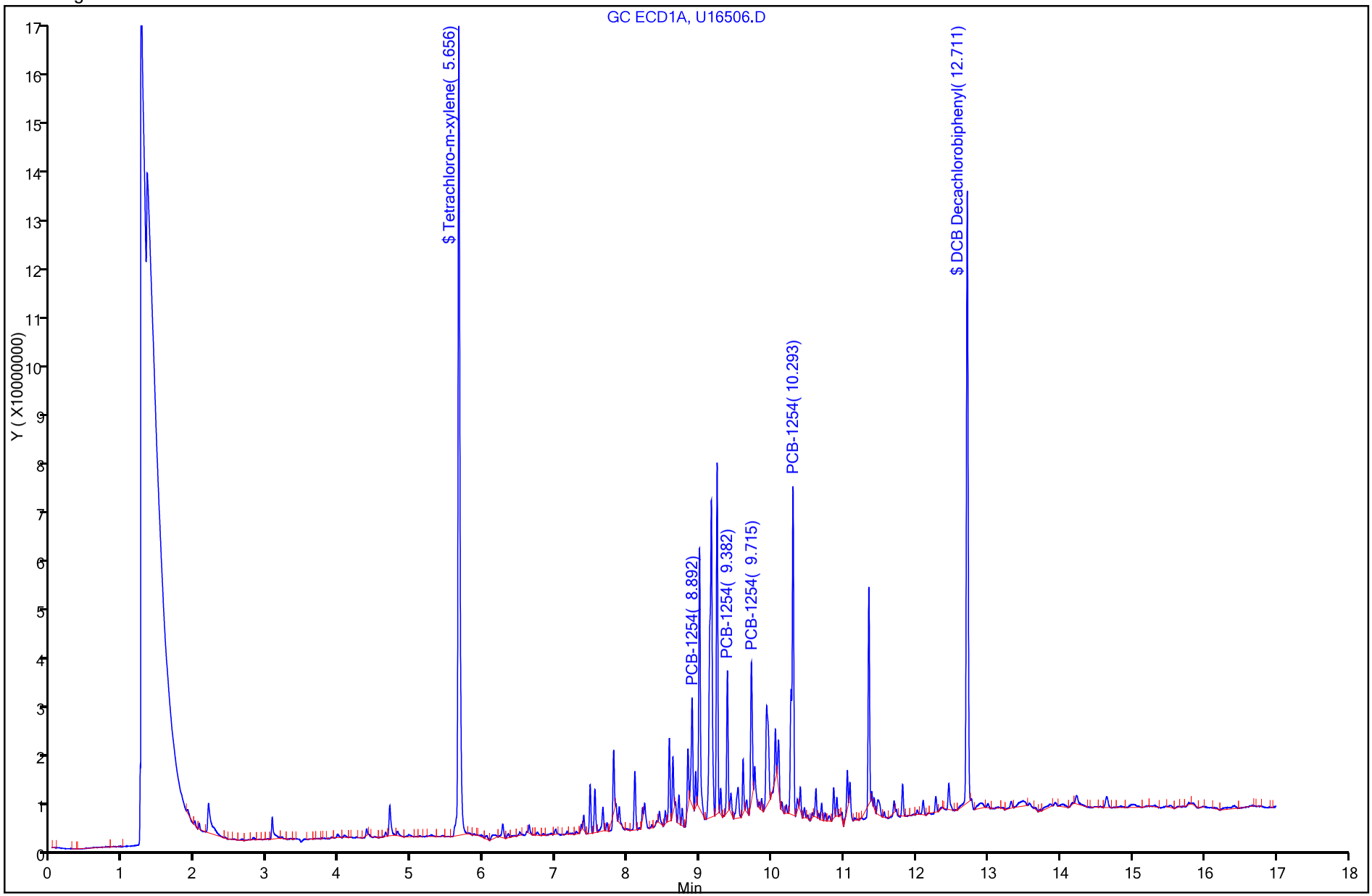
PCB CHROMATOGRAMS

Report Date: 05-Jul-2011 08:17:41 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\wessvr06\chromdata\INSTU.i\20110701-6049.b\U16506.D

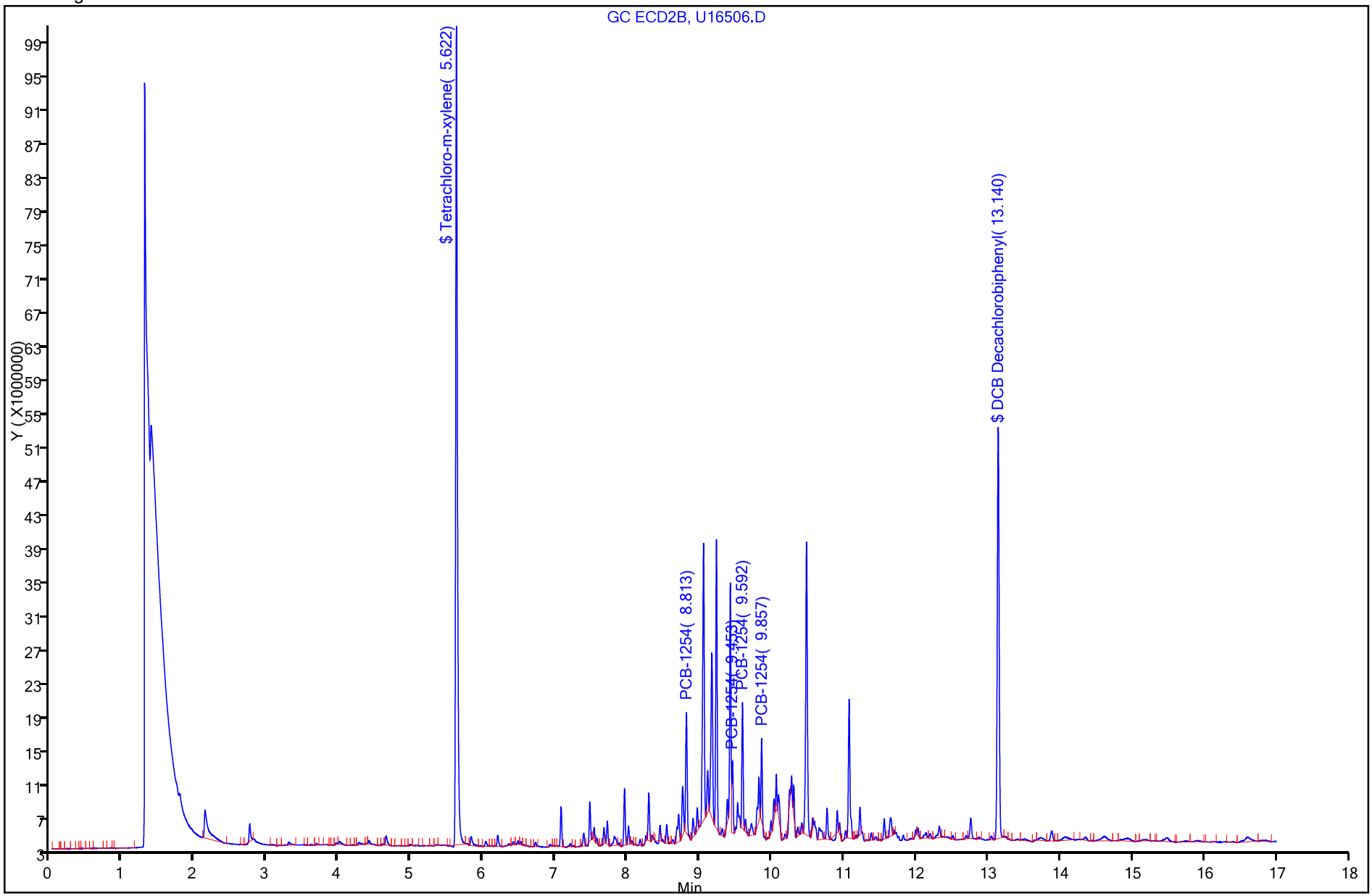
Injection Date:	01-Jul-2011 14:03:28	Limit Group:	GC - 8082A PCB MCP
Client ID:	SWP-12	Instrument ID:	Inst. U
Lims Batch ID:	76301	Lims Sample ID:	16
Operator ID:	BB	Injection Vol:	2.00 ul

Y Scaling:



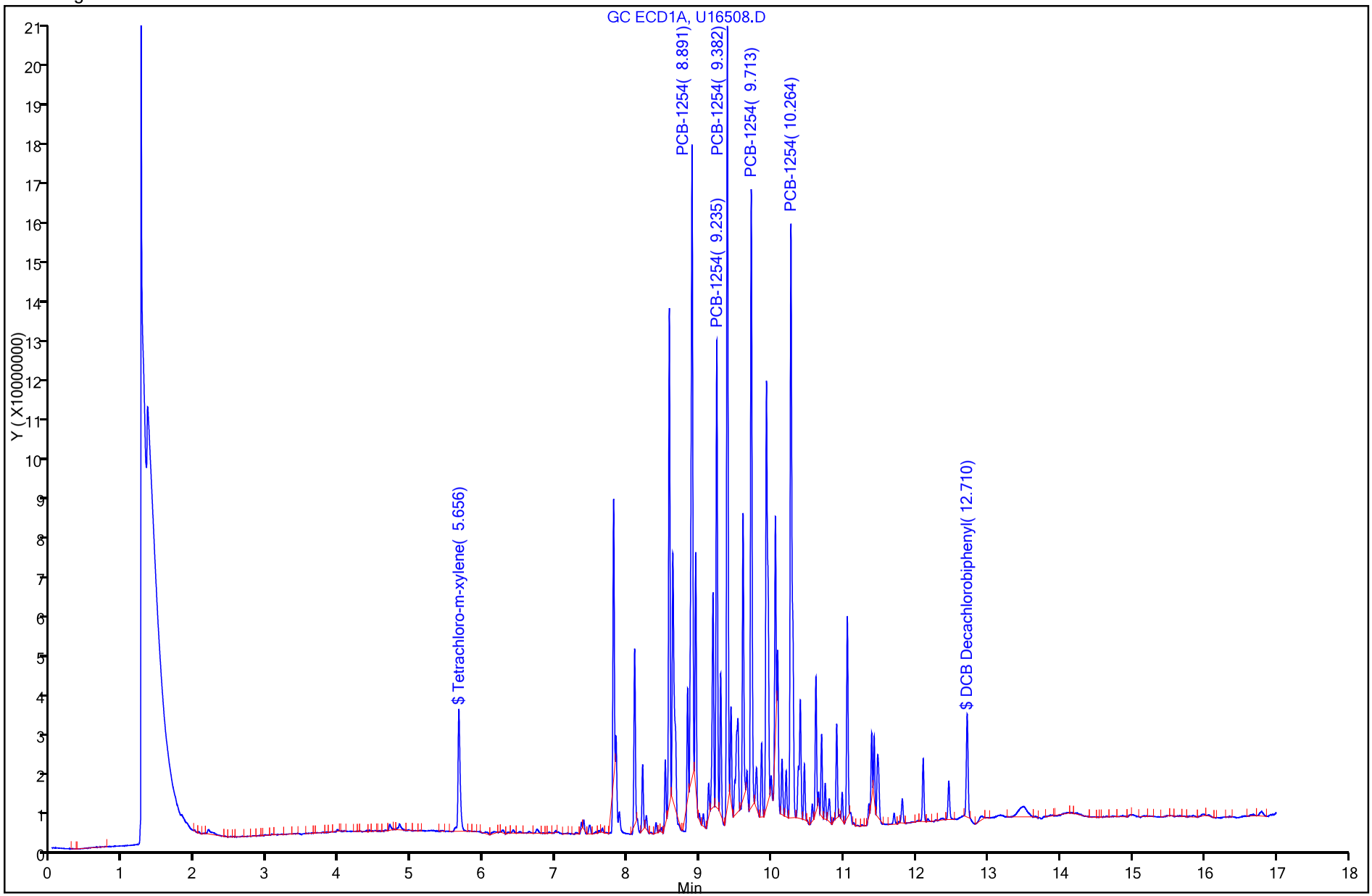
07/05/2011

Report Date: 05-Jul-2011 08:17:42 Chrom Revision: 1.2 30-Jun-2011 15:02:28
Data File: \\wessvr06\chromdata\INSTU.i\20110701-6049.b\U16506.D
Injection Date: 01-Jul-2011 14:03:28 Limit Group: GC - 8082A PCB MCP
Client ID: SWP-12 Instrument ID: Inst. U
Lims Batch ID: 76301 Lims Sample ID: 16
Operator ID: BB Injection Vol: 2.00 ul
Y Scaling:



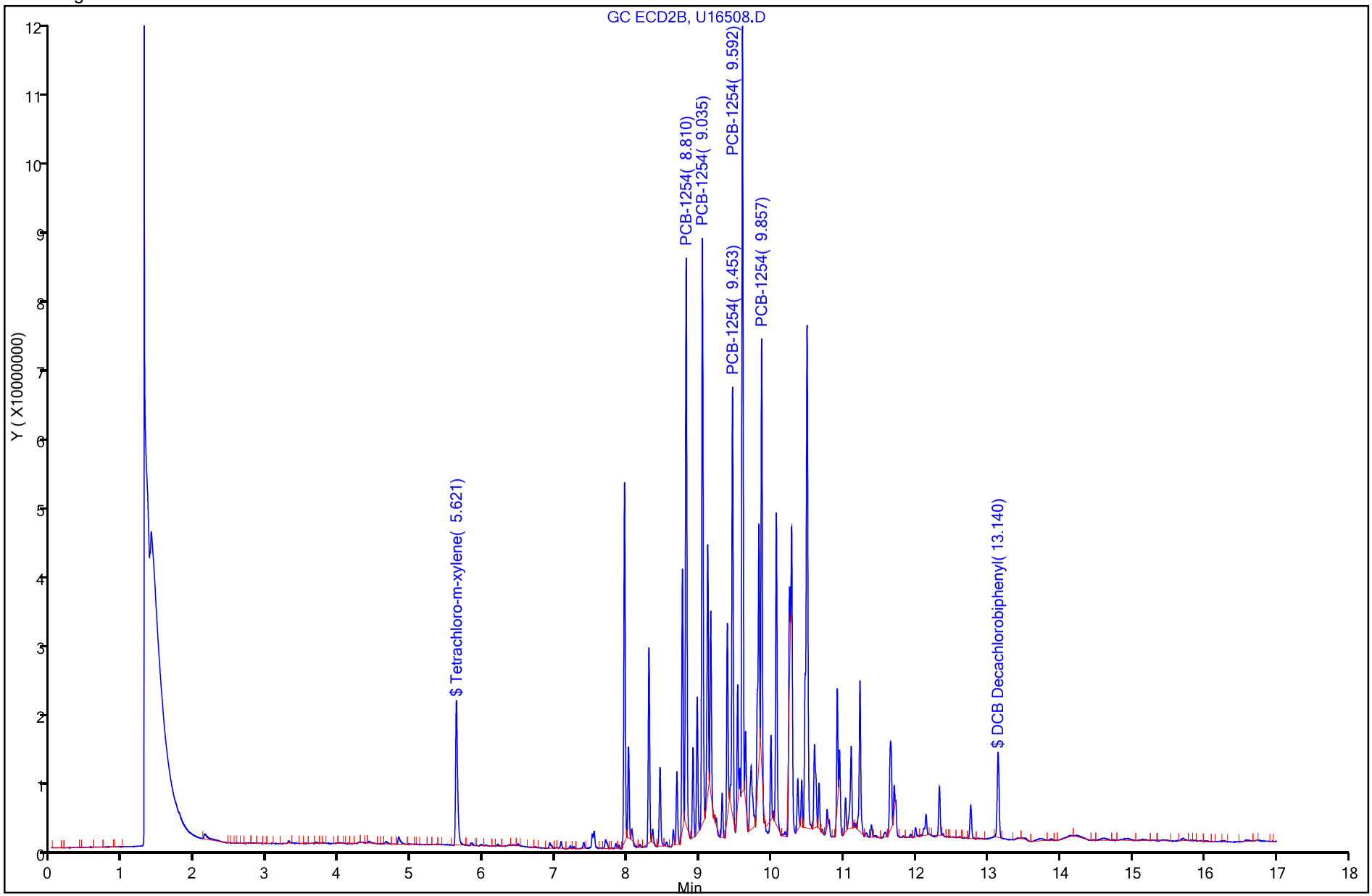
07/05/2011

Report Date: 05-Jul-2011 08:17:44 Chrom Revision: 1.2 30-Jun-2011 15:02:28
Data File: \\wessvr06\chromdata\INSTU.i\20110701-6049.b\U16508.D
Injection Date: 01-Jul-2011 14:45:40 Limit Group: GC - 8082A PCB MCP
Client ID: SWP-03 Instrument ID: Inst. U
Lims Batch ID: 76301 Lims Sample ID: 19
Operator ID: BB Injection Vol: 2.00 ul
Y Scaling:



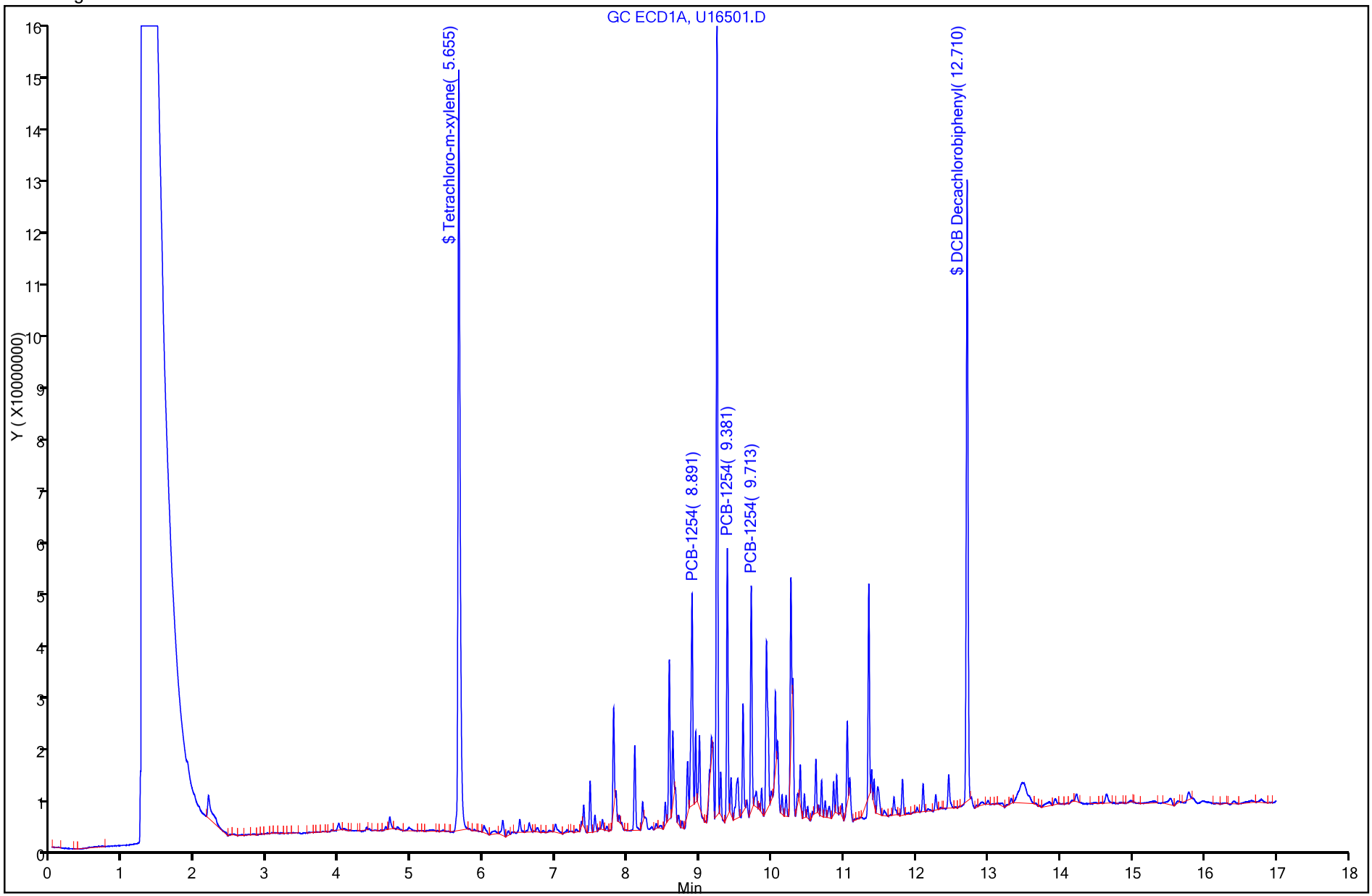
07/05/2011

Report Date: 05-Jul-2011 08:17:45 Chrom Revision: 1.2 30-Jun-2011 15:02:28
Data File: \\wessvr06\chromdata\INSTU.i\20110701-6049.b\U16508.D
Injection Date: 01-Jul-2011 14:45:40 Limit Group: GC - 8082A PCB MCP
Client ID: SWP-03 Instrument ID: Inst. U
Lims Batch ID: 76301 Lims Sample ID: 19
Operator ID: BB Injection Vol: 2.00 ul
Y Scaling:

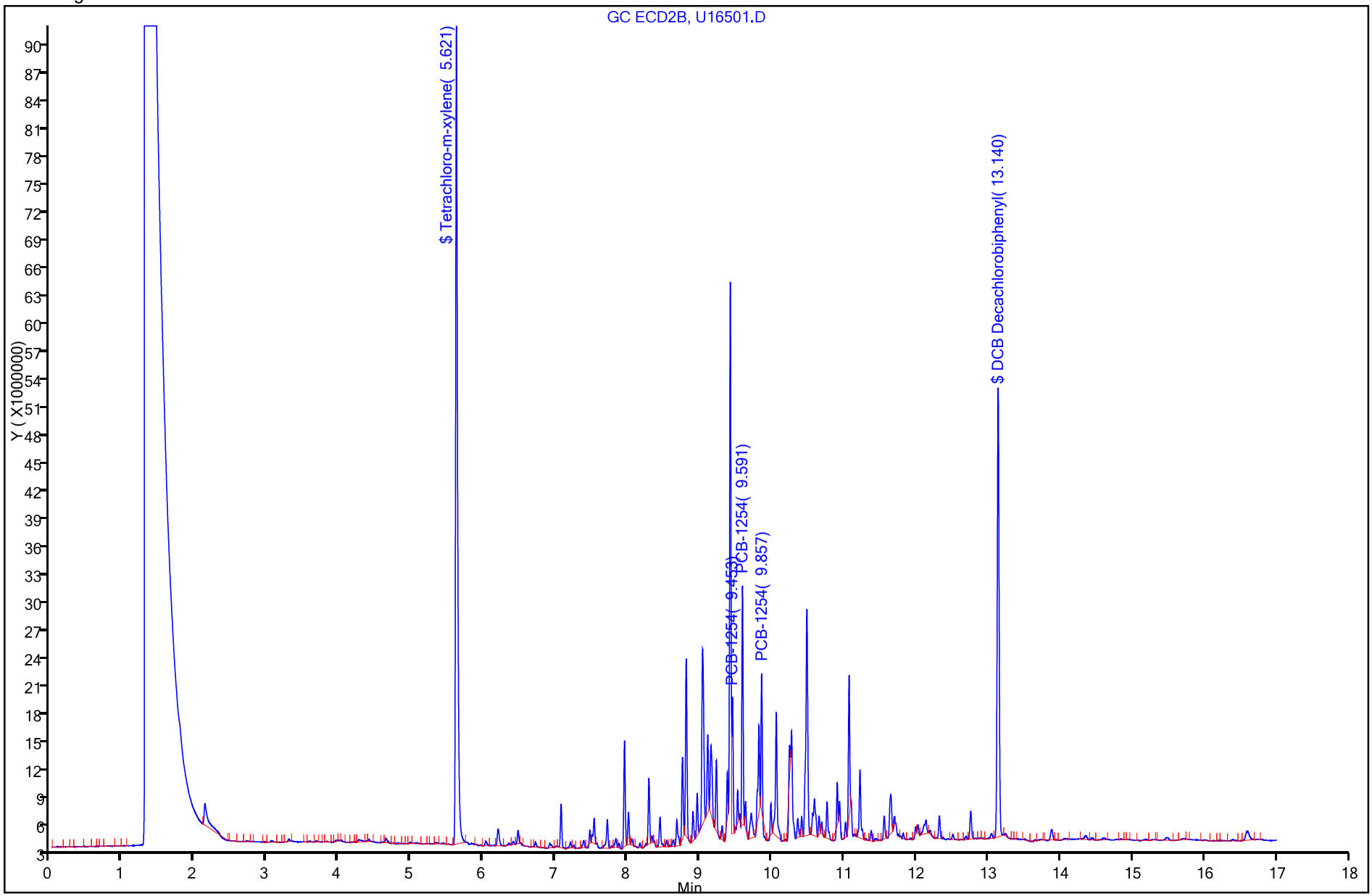


07/05/2011

Report Date: 05-Jul-2011 08:17:34 Chrom Revision: 1.2 30-Jun-2011 15:02:28
Data File: \\wessvr06\chromdata\INSTU.i\20110701-6049.b\U16501.D
Injection Date: 01-Jul-2011 12:18:04 Limit Group: GC - 8082A PCB MCP
Client ID: SWP-07 Instrument ID: Inst. U
Lims Batch ID: 76301 Lims Sample ID: 11
Operator ID: BB Injection Vol: 2.00 ul
Y Scaling:



Report Date: 05-Jul-2011 08:17:35 Chrom Revision: 1.2 30-Jun-2011 15:02:28
Data File: \\wessvr06\chromdata\INSTU.i\20110701-6049.b\U16501.D
Injection Date: 01-Jul-2011 12:18:04 Limit Group: GC - 8082A PCB MCP
Client ID: SWP-07 Instrument ID: Inst. U
Lims Batch ID: 76301 Lims Sample ID: 11
Operator ID: BB Injection Vol: 2.00 ul
Y Scaling:



07/05/2011

Client Sample ID: SWP-01

Lab Sample ID: 360-34795-1

Date Collected: 06/29/11 14:06

Matrix: Solid

Date Received: 06/29/11 15:57

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		1	76301	07/01/11 10:11	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-02

Lab Sample ID: 360-34795-2

Date Collected: 06/29/11 14:10

Matrix: Solid

Date Received: 06/29/11 15:57

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		1	76301	07/01/11 10:32	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-03

Lab Sample ID: 360-34795-3

Date Collected: 06/29/11 14:17

Matrix: Solid

Date Received: 06/29/11 15:57

Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		5	76301	07/01/11 14:45	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-04

Lab Sample ID: 360-34795-4

Date Collected: 06/29/11 14:20

Matrix: Solid

Date Received: 06/29/11 15:57

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		1	76301	07/01/11 11:14	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-05

Lab Sample ID: 360-34795-5

Date Collected: 06/29/11 14:23

Matrix: Solid

Date Received: 06/29/11 15:57

Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		1	76301	07/01/11 11:35	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-06

Lab Sample ID: 360-34795-6

Date Collected: 06/29/11 14:26

Matrix: Solid

Date Received: 06/29/11 15:57

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		1	76301	07/01/11 11:57	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-07

Lab Sample ID: 360-34795-7

Date Collected: 06/29/11 14:30

Matrix: Solid

Date Received: 06/29/11 15:57

Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		1	76301	07/01/11 12:18	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-08

Lab Sample ID: 360-34795-8

Date Collected: 06/29/11 14:33

Matrix: Solid

Date Received: 06/29/11 15:57

Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		1	76301	07/01/11 12:39	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-09

Lab Sample ID: 360-34795-9

Date Collected: 06/29/11 14:35

Matrix: Solid

Date Received: 06/29/11 15:57

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		1	76301	07/01/11 13:00	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-10

Lab Sample ID: 360-34795-10

Date Collected: 06/29/11 14:38

Matrix: Solid

Date Received: 06/29/11 15:57

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		2	76301	07/01/11 13:21	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Lab Chronicle

Client: ATC Associates, Inc.
Project/Site: 081-35545.0004

TestAmerica Job ID: 360-34795-1

Client Sample ID: SWP-11

Lab Sample ID: 360-34795-11

Date Collected: 06/29/11 14:42
Matrix: Solid
Date Received: 06/29/11 15:57
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		2	76301	07/01/11 13:42	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-12

Lab Sample ID: 360-34795-12

Date Collected: 06/29/11 14:45
Matrix: Solid
Date Received: 06/29/11 15:57
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		1	76301	07/01/11 14:03	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Client Sample ID: SWP-13

Lab Sample ID: 360-34795-13

Date Collected: 06/29/11 14:50
Matrix: Solid
Date Received: 06/29/11 15:57
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			76253	06/30/11 13:10	MJM	TAL WFD
Total/NA	Analysis	8082A		1	76301	07/01/11 14:24	BRB	TAL WFD
Total/NA	Analysis	Moisture		1	76260	06/30/11 15:18	EMN	TAL WFD

Laboratory References:
TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Certification Summary

Client: ATC Associates, Inc.
Project/Site: 081-35545.0004

TestAmerica Job ID: 360-34795-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Westfield	Connecticut	State Program	1	PH-0494
TestAmerica Westfield	Maine	State Program	1	MA00014
TestAmerica Westfield	Massachusetts	State Program	1	M-MA014
TestAmerica Westfield	New Hampshire	NELAC	1	2539
TestAmerica Westfield	New York	NELAC	2	10843
TestAmerica Westfield	North Carolina	North Carolina DENR	4	647
TestAmerica Westfield	Rhode Island	State Program	1	LAO00057
TestAmerica Westfield	Vermont	State Program	1	VT-10843

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New Hampshire (NELAC) prim.	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP			NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P			
1103.1	E.coli		ambient/ source			
Enterolert	Enterococcus					
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction	SW				
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethane compounds	P	P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric	P	P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total	P	NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Checklist

Client: ATC Associates, Inc.

Job Number: 360-34795-1

Login Number: 34795

List Source: TestAmerica Westfield

List Number: 1

Creator: Beaumier, Janine E

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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.	False	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

360-34795

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

E-mail Derrick-Wiss@atcassociates.com 35545.0004

011435

●53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
Westfield

●240 Bear Hill Rd., Suite 104
Waltham, MA 02451
(P) 781-466-6900
(F) 781-466-6901
Boston - Service Center

Client: ATC Associates | Client Project #: 081-[redacted] | Job# | Quote# | PO#

Address: 73 William Franks Dr. West Springfield, MA | Site ID & State: UMass Amherst | Shaded areas for office use

Reports Sent To: Derrick Wiss | Invoice same as Report to? ☐

Phone: Fax: Email: Email Rpt: ☒ | If Invoice contact or address different, note in Comments

Comments (Special Instructions)

Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Requested Turnaround Time (PLEASE SPECIFY)

STANDARD ____ RUSH 3-Day (Lab Approval Required)

Regulatory Programs/Presumptive Certainty/QC Forms

MADEP MCP ☒ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ☐ CT RSR ☐ EDD Required ☐
Std Rpt (L1) ☐ Rpt + QC(L2./MCP ☐ CLP Rpt (L3 or L4) ☐

500-series for drinking water
600-series for wastewater, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids/Soil O-Oil, "Z"- Other

Sample I.D.	Sample Type	Sampler's Initials	Date Time Collected	pH ✓ (lab use only)	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB's Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	SoxHlet Prep 35YOC
SWP-01	S	JL	06-29-11 1406		X		1	G										X							X
SWP-02	S	JL	06-29-11 1410		X		1	G										X							X
SWP-03	S	JL	06-29-11 1417		X		1	G										X							X
SWP-04	S	JL	06-29-11 1420		X		1	G										X							X
SWP-05	S	JL	06-29-11 1423		X		1	G										X							X
SWP-06	S	JL	06-29-11 1426		X		1	G										X							X
SWP-07	S	JL	06-29-11 1430		X		1	G										X							X
SWP-08	S	JL	06-29-11 1433		X		1	G										X							X
SWP-09	S	JL	06-29-11 1435		X		1	G										X							X
SWP-10	S	JL	06-29-11 1438		X		1	G										X							X

Comments:

Need Detection L 1.0 ppm
Also CAM

Sampled by (print): James Lowell Signature:

Relinquished by:	Date: 6/29/11	Time: 1557	Received by:	Date: 6/29/11	Time: 1557
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Cooler ? (Y) N | MADEP Requirement Samples Iced? (Y) N

Temp @ receipt: 8.8 °C

Preservation / pH checked? Y / N

By: ____ Date: ____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

320-34795

●53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
Westfield

●240 Bear Hill Rd., Suite 104
Waltham, MA 02451
(P) 781-466-6900
(F) 781-466-6901
Boston - Service Center

E-Mail Derrick.Wissman@arcassociates.com 011488

Client: ARC Associates
Address: 73 William Franks Dr. West Springfield, MA.
Phone: Fax:

Client Project #: 081.35545.0004
Site ID & State: UMASS Amherst
Reports Sent To: Derrick Wissman
Email: Email Rpt: ☑

Job# | Quote# | PO#

Shaded areas for office use
Invoice same as Report to? ☐
If Invoice contact or address different, note in *Comments*

Comments *(Special Instructions)*

Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD ____ RUSH 3-Day *(Lab Approval Required)*

Regulatory Programs/Presumptive Certainty/QC Forms
MADEP MCP ☑ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ☐ CT RSR ☐ EDD Required ☐
Std Rpt (L1) ☐ Rpt + QC(L2./MCP ☐ CLP Rpt (L3 or L4) ☐

500-series for drinking water
600-series for wastewater, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids/Soil O-Oil, "Z"- Other

Sample I.D.	Sample Type	Sampler's Initials	Date / Time Collected	pH ✓ (lab use only)	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	Soxhlet Prep 3540C
SWP-11	S	JL	06-29-11 1442		X		1	G										X								X
SWP-12	S	JL	06-29-11 1445		X		1	G										X								X
SWP-13	S	JL	06-29 1450		X		1	G										X								X

Comments:
Need Detection Limit 1.0 PPM
Also CAM

SB 6/29/11

Sampled by (print): James Lowell
Signature:

Cooler ? Y / N
MADEP Requirement Samples Iced? Y / N

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	06/29/11	1558	[signature]	6/29/11	15:58
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Temp @ receipt: 8.8 °C
Preservation / pH checked? Y / N
By: ____ Date: ____

TestAmerica Westfield
WI-QA-010-REV 5

White = Lab file Pink = Customer copy

APPENDIX C – UNIFORM HAZARDOUS WASTE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	MAD 000 844 670	1	(413) 545-2682	009073039 JJK

GENERATOR

5. Generator's Name and Mailing Address: UNIVERSITY OF MASSACHUSETTS
40 CAMPUS CENTER DRIVE
EH&S / 117 DRAPER HALL
AMHERST, MA 01003
Generator's Phone: (413) 545-2682

Generator's Site Address (if different than mailing address):
UMASS-CRAMPTON/MACKIMMIE
230-256 SUNSET AVENUE
AMHERST, MA 01003

6. Transporter 1 Company Name: EQ NORTHEAST, INC (Wrentham MA) — U.S. EPA ID Number: MAD 084 814 136

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN3432, Polychlorinated biphenyls, solid, mixture, 9, PGIII, ERG #171	001	CM	1630	K	PCB1	MA02	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. F1173R4WDI / (S) PCB SOIL WITH CONCRETE, RUBBLE, ETC... / STORAGE START DATE: 6/28/11 CONTAINER NUMBER: 232

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Theresa W. Bechta — Signature: [signature] — Month: 07 Day: 05 Year: 2011

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Richard Blake — Signature: [signature] — Month: 07 Day: 05 Year: 11

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
PCB			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAD 000 844 670
2. Page 1 of: 1
3. Emergency Response Phone: (413) 545-2682
4. Manifest Tracking Number: 009073040 JJK

5. Generator's Name and Mailing Address:
UNIVERSITY OF MASSACHUSETTS
40 CAMPUS CENTER DRIVE
EH&S / 117 DRAPER HALL
AMHERST, MA 01003

Generator's Site Address (if different than mailing address):
UMASS-CRAMPTON/MACKIMMIE
230-256 SUNSET AVENUE
AMHERST, MA 01003

Generator's Phone: ~~(413) 545-2682~~

6. Transporter 1 Company Name: EQ NORTHEAST, INC. — U.S. EPA ID Number: MAD 084 814 136

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN3432, Polychlorinated biphenyls, solid, mixture, 9, PGIII, ERG #171	01	CM	EST WT 16300	K	PCB1	MA02	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. F117304WDI / (S) PCB SOIL WITH CONCRETE, RUBBLE, ETC... / STORAGE START DATE: 6/24/11, CONTAINER NUMBER: 26

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Theresa W Bechtel — Signature: [signature] — Month 07 Day 05 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAVID HARPER — Signature: [signature] — Month 07 Day 05 Year 11
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
PCB			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

APPENDIX D – COPIES OF PUBLIC NOTIFICATION LETTERS

ATC ASSOCIATES INC.
Engineering Individual Solutions

73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070
(413) 781-3734
www.atcassociates.com

July 11, 2011

Amherst Town Manager
Mr. John Musante
Town Hall
4 Boltwood Avenue
Amherst, MA 01002

Re: MCP Public Notice Requirement
Availability of Release Abatement Measure (RAM) Plan
University of Massachusetts, Crampton Hall/Stonewall Center
256 Sunset Avenue
Amherst, MA 01002
Release Tracking Number 1-18343

Dear Mr. Musante:

This letter is submitted to inform you that an IRA Plan was submitted to the Massachusetts Department of Environmental Protection (MassDEP) for site referenced above, pursuant to 310 CMR 40.0000.

This document and all other documents submitted to the MassDEP are a matter of public record and may be reviewed at the MassDEP Western Regional Office, 436 Dwight Street in Springfield, Massachusetts.

If you have any questions regarding this submittal or require additional information, please do not hesitate to contact either of the undersigned at (413) 781-0070.

Sincerely,
ATC Associates Inc.

Alan A. Dion
Project Scientist
Extension 197

Robert E. Smith, LSP
Division Manager, Environmental Services
Extension 101

ATC ASSOCIATES INC.
Engineering Individual Solutions

73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070
(413) 781-3734
www.atcassociates.com

July 11, 2011

David Ahlfeld – Chairman
Amherst Board of Health
Bangs Center
70 Boltwood Walk
Amherst, MA 01002

Re: MCP Public Notice Requirement
Availability of Release Abatement Measure (RAM) Plan
University of Massachusetts, Crampton Hall/Stonewall Center
256 Sunset Avenue
Amherst, MA 01002
Release Tracking Number 1-18343

Dear Mr. Ahlfeld:

This letter is submitted to inform you that an IRA Plan was submitted to the Massachusetts Department of Environmental Protection (MassDEP) for site referenced above, pursuant to 310 CMR 40.0000.

This document and all other documents submitted to the MassDEP are a matter of public record and may be reviewed at the MassDEP Western Regional Office, 436 Dwight Street in Springfield, Massachusetts.

If you have any questions regarding this submittal or require additional information, please do not hesitate to contact either of the undersigned at (413) 781-0070.

Sincerely,
ATC Associates Inc.

Alan A. Dion
Project Scientist
Extension 197

Robert E. Smith, LSP
Division Manager, Environmental Services
Extension 101

cc: Julie Federman, Amherst Health Director
70 Boltwood Walk - Amherst, MA 01002