



PHASE II LIMITED SUBSURFACE INVESTIGATION REPORT

**AFS Market, Inc.
1102-1122 Myrtle Avenue
Brooklyn, New York 11206**

Prepared for:

**Bogopa Service Corp.
650 Fountain Avenue
Brooklyn, NY 11028**

Prepared By:

**EFI Global, Inc.
9307 Monroe Road, Suite M
Charlotte, NC 28270**

**EFI Project No. 94705-04869.1
March 26, 2013**



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Project No. 94705-04869.1
March 26, 2013

David Chung
Bogopa Service Corp.
650 Fountain Avenue
Brooklyn, NY 11028

**Re: Phase II Limited Subsurface Investigation Report
AFS Market, Inc.
1102-1122 Myrtle Avenue
Brooklyn, New York 11206**

Dear Mr. Chung:

EFI Global, Inc. (EFI) is presenting the results from a Phase II Limited Subsurface Investigation (Phase II) performed at AFS Market, Inc. 1102-1122 Myrtle Avenue, Brooklyn, New York (Property). The investigation was performed to determine whether the historical use of the Property as an automotive garage and the presence of petroleum underground storage tanks (USTs) formerly in use onsite have negatively impacted the subsurface conditions at the Property. This Phase II was performed in accordance with EFI's proposal dated February 18, 2013. This report is intended for the sole use and benefit of Bogopa Service Corp. and may not be relied upon by any other party without the permission of EFI Global, Inc.

PURPOSE

The purpose of this investigation was to assess the current environmental status of the recognized environmental conditions (RECs) identified in a Phase I Environmental Site Assessment (ESA) that was recently completed at the Site. The information provided in this Phase II report describes the scope of work performed during the investigation and provides documentation of the factual findings of the investigation.

BACKGROUND INFORMATION

The Property is located at 1102-1122 Myrtle Avenue, approximately 150 feet west of the intersection with Myrtle Avenue and Broadway. The Property is comprised of four adjoining tax parcels comprising 0.74 acre of land and is improved with a one-story supermarket, paved parking, and loading dock areas. Based upon topographic map interpretation and site observations, the inferred direction of groundwater flow is to north and east toward English Kills located approximately 0.9 mile north-northeast of the Property.

A 1,000-gallon gasoline UST was utilized at the Property between the approximate years of 1947 and 1968. The tank was situated in the northeast portion of the former parking garage building located at 1102-1114 Myrtle Avenue. As no records related to the removal or investigation of this UST has been identified to date, the potential presence of an unregulated UST was considered a REC relative to the Property.

The Property has been historically utilized for a variety of commercial and light industrial uses dating back to approximately 1921. Prior historic uses of environmental concern have included a furniture manufacturer from at least 1947 to 1968 (1098-1100 Myrtle), auto repair facility in 1934 and from at least 1977 to approximately 1980 (1102 Myrtle), and furniture manufacturer from at least 1947 to approximately 1980 (1116-1120 Myrtle). Based on the potential for adverse environmental impacts to the Property subsurface as the result of the former on-site activities, the historic use and occupancy of the Property was identified as a REC. Figure 1 is a Topographic Map of the Site and surrounding area.

HEALTH AND SAFETY PLAN

EFI developed a Health and Safety Plan that was specific to the Site. The development of this plan is required by the Occupational Safety and Health Administration (OSHA) under Hazardous Waste Operations & Emergency Response 29 CFR 1910.120. The Health and Safety Plan was designed to reduce the risk of physical or chemical exposures that may affect on-site workers in the proposed work area. The Health and Safety Plan includes information about chemicals expected on the Site, health and safety procedures, and emergency response procedures. The Health and Safety Plan is on file at EFI's office.

UTILITY LOCATING

Prior to drilling or digging, a utility inspection was performed at the Site prior to the initiation of the subsurface investigation, as required by New York law. This utility clearance request consisted of notifying utility members to mark their underground utility locations. The ticket number is 13065140.

SUBSURFACE INVESTIGATION

Field Activities

Subsurface Investigation

The Phase II Limited Subsurface Investigation was conducted on March 15, 2013. Prior to initiating the field activities, it was determined that a New York City Street Opening Permit Type

0126 would be required to complete a soil boring within the public sidewalk area along Myrtle Avenue at the north side of the Property, which would also include full replacement of the damaged concrete sidewalk flag. Therefore, in order to expedite the field operations, no boring was advanced within the public sidewalk along Myrtle Avenue to the north of the Property. This is not anticipated to be critical at this time.

During the investigation, three soil borings (B-1, B-2, and B-3) were advanced within the eastern parking lot at the Property by Goldstar Environmental Services (Goldstar) with a tractor-mounted Geoprobe drilling rig. The boring locations are depicted in Figure 2.

Boring B-1 was advanced to a terminal depth of 15.75 feet below grade level (BGL), where refusal in the form of an apparent rock outcrop was encountered prior to reaching the shallow groundwater table.

Boring B-2 was advanced to a terminal depth of 9.5 feet BGL, where refusal in the form of an apparent rock outcrop was encountered prior to reaching the shallow groundwater table. Based on visual observations, it appeared the location of B-2 would be at the down-gradient position at the Property. It should be noted that numerous additional attempts were made to advance a boring near the area around B-2 (northeast corner of the building), however refusal was encountered at these locations at depths ranging from 1 to 3 feet BGL. In addition, Goldstar attempted to advance an additional boring further to the east within the down-gradient southern side of the asphalt parking lot. However, refusal was encountered at approximately 3 feet BGL. Due to constraints regarding traffic entering and exiting the parking lot, no other borings could be attempted within the parking lot between the building and this additional boring location.

Boring B-3 was advanced to a terminal depth of 18 feet BGL, where refusal in the form of an apparent rock outcrop was encountered. The shallow groundwater table was encountered in B-3 at approximately 14 feet BGL.

Soil Sampling

Soil samples were continuously collected from borings B-1, B-2, and B-3 with a four-foot long stainless-steel macro core and disposable acetate sleeves to the respective terminal depths. The soil samples collected from each boring were field screened with a photo-ionization detector (PID) to determine if volatile organic vapors were present. There were no field screening readings detected in any of the soil samples, and no visual or olfactory evidence of impacted soil was identified. At borings B-1 and B-2, soil samples for laboratory analysis were collected from the boring termini at 14.75 to 15.75 feet BGL and 8.5 to 9.5 feet BGL, respectively. At boring B-3, no volatile organic vapors were detected with the PID, and no visual or olfactory evidence of impacted soils were identified. Therefore, a soil sample for laboratory

analysis was collected from boring B-8 at the apparent interval at the capillary fringe (i.e. vadose and groundwater interface) at 13 to 14 feet BGL. The soil samples collected for laboratory analysis were labeled B-1, B-2, and B-3, respectively.

Soil encountered at the Site consisted mainly of brown clay with varying degrees of sand and gravel. The soil boring logs are presented in Appendix I.

Ground Water Sampling

Ground water was encountered only in boring B-3, at approximately 14 feet BGL. Temporary ground water monitoring well TW-1 was installed in boring B-3 in order to collect a ground water sample for chemical analysis. The temporary well was constructed of one-inch diameter schedule 40 poly-vinyl chloride (PVC) well screen and riser pipe. A peristaltic pump attached to disposable plastic tubing was utilized to remove the ground water sample. The ground water sample was labeled TW-1.

The borings were abandoned in accordance with New York regulations following the collection of the soil and ground water samples.

Laboratory Analytical Results

The soil and ground water samples were transported under chain of custody to Pace Analytical Services, Inc. (Pace), Schenectady, New York, a New York Department of Environmental Conservation (NYSDEC) certified laboratory. Soil samples B-1, B-2, and B-3, and groundwater sample TW-1, were analyzed for volatile organic compounds (VOCs) by EPA Method 8260 and for semi-volatile organic compounds (SVOCs) by EPA Method 8270.

According to the laboratory analytical report, several SVOCs were detected in groundwater sample TW-1 above the applicable NYSDEC Technical Operation & Guidance Series (TOGS) groundwater regulatory criteria. Specifically, benzo(a)pyrene was detected at 6.68 micrograms per liter (ug/l), exceeding the applicable TOGS criteria of equal to the laboratory method detection limit (MDL). Benzo(b)fluoranthene was detected at 9.22 ug/l, exceeding the applicable TOGS criteria of 0.002 ug/l.

Acetone, fluoranthene, and pyrene were detected in the ground water sample, however the concentrations of these contaminants do not exceed the applicable TOGS criteria. No other contaminants were detected in the ground water sample.

According to the laboratory analytical report, acetone was detected in soil sample B-3 at 0.0136 milligrams per kilogram (mg/kg). This concentration exceeds the most stringent applicable

NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 0.05 mg/kg, however acetone is a common laboratory artifact, and it is suspected that the acetone that was detected in this sample is due to laboratory contamination. Therefore, no further evaluation of acetone impact to the subsurface at the Property is warranted at this time. No other VOCs and no SVOCs were detected in soil sample B-3 above the applicable UUSCOs. However, it should be noted that benzene, 2-butanone, and 10 SVOCs were detected in soil sample B-3 at concentrations less than the UUSCO. The concentrations of two of SVOCs, benzo(a)pyrene (0.487 mg/kg) and benzo(b)fluoranthene (0.659 mg/kg), are slightly below the UUSCO and RUSCO of 1 mg/kg for these contaminants. No contaminants were detected in soil samples B-1 and B-2.

The soil analytical results are summarized in Table 1. The ground water analytical results are summarized in Table 2. The laboratory analytical report and chain-of-custody forms are included as Appendix II.

RELIANCE

The use of and reliance on this report are strictly limited. This report is the intellectual property of EFI, protected by copyright law and other laws, and has been prepared solely for the use and benefit of Bogopa Service Corp. Unless authorized in writing by EFI, reliance on or use (collectively, "Use") of this report by additional parties is strictly prohibited and shall be at the sole risk of the user, without rights of recourse or recovery from or against EFI. Any such unauthorized user shall be responsible to protect, indemnify and hold EFI, Bogopa Service Corp. and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. The unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

FINDINGS AND CONCLUSIONS

The following conclusions are based on the results of a Phase II limited subsurface investigation performed at AFS Market, Inc., 1102-1122 Myrtle Avenue, Brooklyn, New York in accordance with EFI's proposal dated February 18, 2013. This investigation was intended to assess the potential for the historical presence of a 1,000-gallon gasoline UST and the use of the Site as an automotive repair facility and furniture manufacturing facility to have negatively impacted the subsurface conditions at the Property, as identified in the Phase I ESA. It was not intended to satisfy the level of inquiry that may be necessary to support remedial solutions or determine migration pathways related to a release from the RECs. This report was prepared for Bogopa Service Corp. in accordance with an approved agreement governing the nature, scope, extent and purpose of the work as well as other matters critical to the engagement.



The sampling conducted during this investigation indicates that there does appear to have been an impact to the subsurface at concentrations exceeding state standards as a result of the historical uses of the Site. EFI recommends that the Site apply to be entered voluntarily into the NYSDEC Brownfield Cleanup Program under 6 NYCRR Part 375 Subpart 375-3, and that further subsurface investigations be completed at the Site, primarily to address the concentrations of the SVOCs identified in the soil and ground water samples collected. The scope of work should include, but may not be limited to, further horizontal and vertical delineation of impacted soil, and the installation of at least three permanent ground water monitoring wells at the Site to determine groundwater flow direction and for the collection and laboratory analysis of ground water samples.

Sincerely,

EFI GLOBAL, INC.

Greg Bodnaruk
Field Professional

John Burkart
Director, Environmental Services

TABLES

TABLE 1
Summary of Soil Analytical Results
AFS Market
Brooklyn, NY
Project # 94705-04869.1

Sample ID	B-1	B-2	B-3	NYSDEC	NYSDEC
Sample Depth	29-30'	19-20'	19-20'	UUSCO	RUSCO
Sample Date	3/5/2013	3/5/2013	3/5/2013		Protection of Groundwater
VOCs					
Acetone	ND	ND	0.0136	0.05	0.05
2-Butanone (MEK)	ND	ND	0.00181	0.12	0.12
Benzene	ND	ND	0.00234	0.06	0.06
SVOCs					
Benzo(a)anthracene	ND	ND	0.492	1	1
Benzo(a)pyrene	ND	ND	0.487	1	1
Benzo(b)fluoranthene	ND	ND	0.659	1	1
Benzo(g,h,i)perylene	ND	ND	0.256	100	100
Benzo(k)fluoranthene	ND	ND	0.218	0.8	1
Chrysene	ND	ND	0.351	1	1
Fluoranthene	ND	ND	1.08	100	100
Indeno(1,2,3-cd)pyrene	ND	ND	0.245	0.5	0.5
Phenanthrene	ND	ND	0.188	100	100
Pyrene	ND	ND	0.873	100	100

Concentrations reported in milligrams per kilogram (mg/kg)

ND - Not Detected

BOLD concentrations exceed the Action Levels

UUSCO - Unrestricted Use Soil Cleanup Objectives

RUSCO - Restricted Use Soil Cleanup Objectives

The NYSDEC RUSCO for Protection of Groundwater represents the most stringent RUSCO posted

TABLE 2
Summary of Groundwater Analytical Results
AFS Market
Brooklyn, NY
Project # 94705-04869.1

Sample ID	TW-1	NYSDEC
Sample Date	1/26/2011	TOGS Criteria
VOCs		
Acetone	12.1	50
SVOCs		
Benzo(a)pyrene	6.68	MDL
Benzo(b)fluoranthene	9.22	0.002
Fluoranthene	14.6	50
Pyrene	12.1	50

Concentrations reported in micrograms per liter (ug/l)

ND - not detected

concentrations exceed the TOGS Criteria

MDL - method detection limit

TOGS Standard is non-detected at the laboratory MDL

FIGURES



**FIGURE 1
TOPOGRAPHIC MAP**

SCALE 1:24000

↑ N



**AFS Market, Inc.
1102-1122 Myrtle Avenue
Brooklyn, NY 11206
Project Number: 94705-04869.1**



**FIGURE 2
BORING LOCATION MAP**

SCALE 1" = ~50'

↑ N



**AFS Market, Inc.
1102-1122 Myrtle Avenue
Brooklyn, NY 11206
Project Number: 94705-04869.1**

APPENDICES

APPENDIX I

SOIL BORING LOGS

BORING B-1

Project No. 94705-04869.1	Sample Date: 3/15/13
Project Name: AFS Market, Inc.	Field Professional: Greg Bodnaruk
Site Location: 1102-1122 Myrtle Avenue, Brooklyn, NY	Drilled By: Goldstar

Total Depth: 15.75 Feet

Observed Depth to GW: Not Encountered

Depth of Refusal: 15.75 Feet

Sample Interval	Core Rec.	Soil Description	PID (ppm)	Sample Depth	Sample ID
0-4'	1'	0-1' – Asphalt and gravelly sand 1-2' – Gravel and sand 2-3' – Red brick 3-4' – Pulverized concrete	0.0 0.0 0.0 0.0	NA	NA
4-8'	2'	4-5' – Brown sandy clay and gravel 5-7' – Red brick and gravel 7-8' – Sand and rock frgements	0.0 0.0 0.0	NA	NA
8-12'	4'	8-12' – Brown sandy gravelly clay	0.0	NA	NA
12-15.75'	2'	12-13' – Brown sandy gravelly clay 13-14' – Fractured rock and sand 14-15' – Brown sandy clay 15-15.75' – Brown sand and gravel	0.0 0.0 0.0 0.0	14.75-15.75'	B-1

NOTES:

Refusal encountered at 15.75 feet BGL (rock outcrop)

Ground water not encountered

BORING B-2

Project No. 94705-04869.1	Sample Date: 3/15/13
Project Name: AFS Market, Inc.	Field Professional: Greg Bodnaruk
Site Location: 1102-1122 Myrtle Avenue, Brooklyn, NY	Drilled By: Goldstar

Total Depth: 9.5 Feet

Observed Depth to GW: Not Encountered

Depth of Refusal: 9.5 Feet

Sample Interval	Core Rec.	Soil Description	PID (ppm)	Sample Depth	Sample ID
0-4'	3'	0-1' – Asphalt and sand 1-2' – Gravel and sand 2-3' – Brown sandy gravelly clay 3-4' – Brown sandy gravelly clay with red brick	0.0 0.0 0.0 0.0	NA	NA
4-8'	2'	4-5' – Brown sandy gravelly clay 5-6' – Brown sandy gravelly clay with fractured rock 6-7' – Brown and tan gravelly clay 7-8' – Brown sandy gravelly clay	0.0 0.0 0.0 0.0	NA	NA
8-12'	4'	8-9' – Brown sandy gravelly clay 9-9.5 – Dense brown clay with little sand	0.0.0	8.5-9.5'	B-2

NOTES:

Refusal encountered at 9.5 feet BGL (rock outcrop)

Ground water not encountered

BORING B-3

Project No. 94705-04869.1	Sample Date: 3/15/13
Project Name: AFS Market, Inc.	Field Professional: Greg Bodnaruk
Site Location: 1102-1122 Myrtle Avenue, Brooklyn, NY	Drilled By: Goldstar

Total Depth: 18 Feet

Observed Depth to GW: 14 Feet

Depth of Refusal: 18 Feet

Sample Interval	Core Rec.	Soil Description	PID (ppm)	Sample Depth	Sample ID
0-4'	3'	0-1' – Asphalt and gravel 1-2' – Brown silty sand 2-3' – Brown sandy clay with red brick and gravel 3-4' – Brown sandy clay with gravel	0.0 0.0 0.0 0.0	NA	NA
4-8'	1'	4-7' – Red brick and gravel 7-8' – Red brick and gravel with brown sandy clay	0.0 0.0 0.0	NA	NA
8-12'	2.5'	8-9' – Red brick and gravel with sandy brown clay 9-12' – Rock fragments and brown clay	0.0	NA	NA
12-16'	2'	12-13' – Rock fragments and brown clay 13-14' – Moist brown sandy clay 14-15' – Wet brown sandy clay 15-16' – Moist brown sandy clay	0.0 0.0 0.0 0.0	13-14'	B-3
16-18'	1'	16-17' – Red brick and gravel with wet sandy clay 17-18' – Moist brown sandy clay	0.0 0.0	NA	NA

NOTES:

Refusal encountered at 18 feet BGL (rock outcrop)

TW-1 constructed

APPENDIX II

LABORATORY ANALYTICAL REPORT



Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 25, 2013

Mr. John Burkart
EFI Global
9307 Monroe Road
Suite M
Charlotte, NC 28270

RE: Project: AFS Market 94705-04869.1
Pace Project No.: 92151458

Dear Mr. Burkart:

Enclosed are the analytical results for sample(s) received by the laboratory on March 16, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tabitha M Dacal for
Kevin Herring
kevin.herring@pacelabs.com
Project Manager

Enclosures

cc: Accounts Payable, EFI Global



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Pace Analytical e-Report

Report prepared for:

PACE ANALYTICAL SERVICES, INC.
9800 Kincey Ave.
Suite 100
Huntersville, NC 28078
CONTACT: Kevin Herring

Project ID: EFI - AFS Market

Sampling Date(s): March 15, 2013

Lab Report ID: 13030160

Client Service Contact: Carrie Minner (518) 346-4592 ext. 36

Analysis Included:

VOCs by GCMS

VOCs by GCMS

SVOCs by GCMS (PAHs)

SVOCs by GCMS (PAHs)

Percent Moisture

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

A handwritten signature in black ink that reads "Dan Pflzer".

Dan Pflzer
Laboratory Director



Certifications: NYS (EPA: NY00906, ELAP: 11078), NJ (NY026), CT (PH-0337), MA(M-NY906), VA (1884)

Pace Analytical Services, Inc. | 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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CASE NARRATIVE

March 25, 2013

CASE NARRATIVE

This data package (SDG ID: 13030160) consists of 1 water sample and 3 soil samples received on 3/16/2013. The samples are from Project Name: EFI - AFS Market.

This sample delivery group consists of the following samples:

<u>Lab Sample ID</u>	<u>Client ID</u>	<u>Collection Date</u>
AQ03584	B-1	3/15/2013 09:15
AQ03585	B-2	3/15/2013 09:45
AQ03586	B-3	3/15/2013 10:35
AQ03587	TW-1	3/15/2013 11:30

Sample Delivery and Receipt Conditions

- (1.) All samples were delivered to the laboratory via FEDEX delivery service on 3/16/2013.
- (2.) All samples were received at the laboratory intact and within holding times.
- (3.) The following pH measurements of VOA vials were recorded using pH strips: AQ03587 pH=2.
- (4.) The following cooler temperature was recorded at sample receipt (Control limits are between 0-6 Degrees Celsius): 5.1 (IR) degrees Celsius. Please see Chain of Custody for details.

Volatile Organics Analysis (liquid)

Analysis for Volatile Organics was performed by method SW-846 8260B. There were no technical or administrative items noted for the analysis.

Volatile Organics Analysis (Solid)

Analysis for Volatile Organics was performed by method SW-846 8260B. The following technical and administrative items were noted for the analysis:

- (1.) Samples for Volatile Organic Analysis were collected in accordance with Method 5035/5035A in Terra Core (or Encore) containers.
- (2.) Vinyl acetate and 2-chloroethylvinylether recovered below LCS QC limits for AQ03427L. Low bias may be indicated for samples: AQ03584, AQ03585, and AQ03586. Please see associated certificated for details.
- (3.) 1,2-dichloroethane-d4 recovered above surrogate QC limits for sample AQ03585. Alternate surrogates were within limits.

Semivolatile Organics Analysis (liquid)

Analysis for Semivolatile Organics was performed by method SW-846 8270C. Samples were extracted by Continuous Liquid/Liquid Extraction (EPA - Method 3520C). The following technical and administrative items were noted for the analysis:

- (1.) 2-Fluorobiphenyl was recovered above established surrogate QC limits for sample AQ03587. Alternate surrogates were within limits.
- (2.) Benzo(a)anthracene was recovered above established LCS QC limits. Sample is ND for that analyte. No bias indicated.

Semivolatile Organics Analysis (solid)

Analysis for Semivolatile Organics was performed by method SW-846 8270C. Samples were extracted by Accelerated Solvent Extraction (EPA Method 3545). The following technical and administrative items were noted for the analysis:

- (1.) 2-Fluorobiphenyl was recovered above established surrogate QC limits in the method blank. Please see associated certificates for details.
- (2.) Benzo(a)anthracene was recovered above established LCS QC limits. May indicate high bias recovery for Benzo(a)anthracene in sample AQ03586.

% Moisture

Analysis for % Moisture was performed by EPA Method SW-846 3545 Sec. 7.2.1. There were no technical or administrative items noted for the analysis.

Respectfully submitted,



Carrie Minner
Project Manager

QUALIFIERS

Organic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted out. The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

P - Indicates relative percent difference (RPD) between primary and secondary GC column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary GC column analysis exceeds 25 %.

U - Denotes analyte not detected at concentration greater than or equal to the RL. RL's are adjusted for sample weight/volume and dilution factors.

Z - Chromatographic interference due to PCB co-elution.

* - Value not within control limits.

Inorganic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or digestion blank. Analyte concentration should be considered as estimated.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

U - Denotes analyte not detected at concentration greater than or equal to the RL. RL's are adjusted for sample weight/volume and dilution factors.

* - Value not within control limits.

GC/MS Volatiles



Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-1

Lab Sample ID: 13030160-01 (AQ03584)

Collection Date: 03/15/2013 09:15

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 96.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1237-17	EPA Method 8260B	03/18/2013 18:25	RMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1939	EPA 5035A	03/18/2013 13:24	SMS	4.72 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.20	1.00	U	MS08-1237-17
1,1,1-Trichloroethane	71-55-6	ND	2.20	1.00	U	MS08-1237-17
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.20	1.00	U	MS08-1237-17
1,1,2-Trichloroethane	79-00-5	ND	2.20	1.00	U	MS08-1237-17
1,1-Dichloroethane	75-34-3	ND	2.20	1.00	U	MS08-1237-17
1,1-Dichloroethene	75-35-4	ND	2.20	1.00	U	MS08-1237-17
1,1-Dichloropropene	563-58-6	ND	2.20	1.00	U	MS08-1237-17
1,2,3-Trichlorobenzene	87-61-6	ND	2.20	1.00	U	MS08-1237-17
1,2,3-Trichloropropane	96-18-4	ND	2.20	1.00	U	MS08-1237-17
1,2,4-Trichlorobenzene	120-82-1	ND	2.20	1.00	U	MS08-1237-17
1,2,4-Trimethylbenzene	95-63-6	ND	2.20	1.00	U	MS08-1237-17
1,2-Dibromo-3-chloropropane	96-12-8	ND	2.20	1.00	U	MS08-1237-17
1,2-Dibromoethane	106-93-4	ND	2.20	1.00	U	MS08-1237-17
1,2-Dichlorobenzene	95-50-1	ND	2.20	1.00	U	MS08-1237-17
1,2-Dichloroethane	107-06-2	ND	2.20	1.00	U	MS08-1237-17
1,2-Dichloropropane	78-87-5	ND	2.20	1.00	U	MS08-1237-17
1,3,5-Trimethylbenzene	108-67-8	ND	2.20	1.00	U	MS08-1237-17
1,3-Dichlorobenzene	541-73-1	ND	2.20	1.00	U	MS08-1237-17
1,3-Dichloropropane	142-28-9	ND	2.20	1.00	U	MS08-1237-17
1,4-Dichlorobenzene	106-46-7	ND	2.20	1.00	U	MS08-1237-17
2,2-Dichloropropane	594-20-7	ND	2.20	1.00	U	MS08-1237-17
2-Butanone	78-93-3	ND	2.20	1.00	U	MS08-1237-17
2-Chloroethylvinylether	110-75-8	ND	2.20	1.00	U	MS08-1237-17
2-Chlorotoluene	95-49-8	ND	2.20	1.00	U	MS08-1237-17
2-Hexanone	591-78-6	ND	2.20	1.00	U	MS08-1237-17
4-Chlorotoluene	106-43-4	ND	2.20	1.00	U	MS08-1237-17
4-Isopropyltoluene	99-87-6	ND	2.20	1.00	U	MS08-1237-17
4-Methyl-2-pentanone	108-10-1	ND	2.20	1.00	U	MS08-1237-17
Acetone	67-64-1	ND	11.0	1.00	U	MS08-1237-17
Benzene	71-43-2	ND	2.20	1.00	U	MS08-1237-17
Bromobenzene	108-86-1	ND	2.20	1.00	U	MS08-1237-17
Bromochloromethane	74-97-5	ND	2.20	1.00	U	MS08-1237-17
Bromodichloromethane	75-27-4	ND	2.20	1.00	U	MS08-1237-17
Bromoform	75-25-2	ND	2.20	1.00	U	MS08-1237-17
Bromomethane	74-83-9	ND	2.20	1.00	U	MS08-1237-17
Carbon Disulfide	75-15-0	ND	2.20	1.00	U	MS08-1237-17
Carbon Tetrachloride	56-23-5	ND	2.20	1.00	U	MS08-1237-17
Chlorobenzene	108-90-7	ND	2.20	1.00	U	MS08-1237-17
Chloroethane	75-00-3	ND	2.20	1.00	U	MS08-1237-17
Chloroform	67-66-3	ND	2.20	1.00	U	MS08-1237-17
Chloromethane	74-87-3	ND	2.20	1.00	U	MS08-1237-17
cis-1,2-Dichloroethene	156-59-2	ND	2.20	1.00	U	MS08-1237-17
cis-1,3-Dichloropropene	10061-01-5	ND	2.20	1.00	U	MS08-1237-17
Dibromochloromethane	124-48-1	ND	2.20	1.00	U	MS08-1237-17
Dibromomethane	74-95-3	ND	2.20	1.00	U	MS08-1237-17
Dichlorodifluoromethane	75-71-8	ND	2.20	1.00	U	MS08-1237-17
Ethylbenzene	100-41-4	ND	2.20	1.00	U	MS08-1237-17

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Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-1

Lab Sample ID: 13030160-01 (AQ03584)

Collection Date: 03/15/2013 09:15

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 96.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1237-17	EPA Method 8260B	03/18/2013 18:25	RMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1939	EPA 5035A	03/18/2013 13:24	SMS	4.72 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Hexachlorobutadiene	87-68-3	ND	2.20	1.00	U	MS08-1237-17
Isopropylbenzene	98-82-8	ND	2.20	1.00	U	MS08-1237-17
m&p-Xylene	136777-61-2	ND	2.20	1.00	U	MS08-1237-17
Methylene Chloride	75-09-2	ND	11.0	1.00	U	MS08-1237-17
Methyl-tert-butyl-ether (MTBE)	1634-04-4	ND	2.20	1.00	U	MS08-1237-17
Naphthalene	91-20-3	ND	2.20	1.00	U	MS08-1237-17
n-Butylbenzene	104-51-8	ND	2.20	1.00	U	MS08-1237-17
n-Propylbenzene	103-65-1	ND	2.20	1.00	U	MS08-1237-17
o-Xylene	95-47-6	ND	2.20	1.00	U	MS08-1237-17
sec-Butylbenzene	135-98-8	ND	2.20	1.00	U	MS08-1237-17
Styrene	100-42-5	ND	2.20	1.00	U	MS08-1237-17
tert-Butylbenzene	98-06-6	ND	2.20	1.00	U	MS08-1237-17
Tetrachloroethene	127-18-4	ND	2.20	1.00	U	MS08-1237-17
Toluene	108-88-3	ND	2.20	1.00	U	MS08-1237-17
trans-1,2-Dichloroethene	156-60-5	ND	2.20	1.00	U	MS08-1237-17
trans-1,3-Dichloropropene	10061-02-6	ND	2.20	1.00	U	MS08-1237-17
Trichloroethene	79-01-6	ND	2.20	1.00	U	MS08-1237-17
Trichlorofluoromethane	75-69-4	ND	2.20	1.00	U	MS08-1237-17
Vinyl Acetate	108-05-4	ND	2.20	1.00	U	MS08-1237-17
Vinyl Chloride	75-01-4	ND	2.20	1.00	U	MS08-1237-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	102	45.4-170		MS08-1237-17
Dibromofluoromethane	1868-53-7	99.8	79.3-122		MS08-1237-17
toluene-d8	2037-26-5	95.5	77.0-133		MS08-1237-17
1,2-Dichloroethane-d4	17060-07-0	109	80.9-116		MS08-1237-17

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
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Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-2

Lab Sample ID: 13030160-02 (AQ03585)

Collection Date: 03/15/2013 09:45

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 91.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1240-11	EPA Method 8260B	03/20/2013 16:23	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1943	EPA 5030B-MOD	03/20/2013 11:29	SMS	5.92 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.86	1.00	U	MS08-1240-11
1,1,1-Trichloroethane	71-55-6	ND	1.86	1.00	U	MS08-1240-11
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.86	1.00	U	MS08-1240-11
1,1,2-Trichloroethane	79-00-5	ND	1.86	1.00	U	MS08-1240-11
1,1-Dichloroethane	75-34-3	ND	1.86	1.00	U	MS08-1240-11
1,1-Dichloroethene	75-35-4	ND	1.86	1.00	U	MS08-1240-11
1,1-Dichloropropene	563-58-6	ND	1.86	1.00	U	MS08-1240-11
1,2,3-Trichlorobenzene	87-61-6	ND	1.86	1.00	U	MS08-1240-11
1,2,3-Trichloropropane	96-18-4	ND	1.86	1.00	U	MS08-1240-11
1,2,4-Trichlorobenzene	120-82-1	ND	1.86	1.00	U	MS08-1240-11
1,2,4-Trimethylbenzene	95-63-6	ND	1.86	1.00	U	MS08-1240-11
1,2-Dibromo-3-chloropropane	96-12-8	ND	1.86	1.00	U	MS08-1240-11
1,2-Dibromoethane	106-93-4	ND	1.86	1.00	U	MS08-1240-11
1,2-Dichlorobenzene	95-50-1	ND	1.86	1.00	U	MS08-1240-11
1,2-Dichloroethane	107-06-2	ND	1.86	1.00	U	MS08-1240-11
1,2-Dichloropropane	78-87-5	ND	1.86	1.00	U	MS08-1240-11
1,3,5-Trimethylbenzene	108-67-8	ND	1.86	1.00	U	MS08-1240-11
1,3-Dichlorobenzene	541-73-1	ND	1.86	1.00	U	MS08-1240-11
1,3-Dichloropropane	142-28-9	ND	1.86	1.00	U	MS08-1240-11
1,4-Dichlorobenzene	106-46-7	ND	1.86	1.00	U	MS08-1240-11
2,2-Dichloropropane	594-20-7	ND	1.86	1.00	U	MS08-1240-11
2-Butanone	78-93-3	ND	1.86	1.00	U	MS08-1240-11
2-Chloroethylvinylether	110-75-8	ND	1.86	1.00	U	MS08-1240-11
2-Chlorotoluene	95-49-8	ND	1.86	1.00	U	MS08-1240-11
2-Hexanone	591-78-6	ND	1.86	1.00	U	MS08-1240-11
4-Chlorotoluene	106-43-4	ND	1.86	1.00	U	MS08-1240-11
4-Isopropyltoluene	99-87-6	ND	1.86	1.00	U	MS08-1240-11
4-Methyl-2-pentanone	108-10-1	ND	1.86	1.00	U	MS08-1240-11
Acetone	67-64-1	ND	9.28	1.00	U	MS08-1240-11
Benzene	71-43-2	ND	1.86	1.00	U	MS08-1240-11
Bromobenzene	108-86-1	ND	1.86	1.00	U	MS08-1240-11
Bromochloromethane	74-97-5	ND	1.86	1.00	U	MS08-1240-11
Bromodichloromethane	75-27-4	ND	1.86	1.00	U	MS08-1240-11
Bromoform	75-25-2	ND	1.86	1.00	U	MS08-1240-11
Bromomethane	74-83-9	ND	1.86	1.00	U	MS08-1240-11
Carbon Disulfide	75-15-0	ND	1.86	1.00	U	MS08-1240-11
Carbon Tetrachloride	56-23-5	ND	1.86	1.00	U	MS08-1240-11
Chlorobenzene	108-90-7	ND	1.86	1.00	U	MS08-1240-11
Chloroethane	75-00-3	ND	1.86	1.00	U	MS08-1240-11
Chloroform	67-66-3	ND	1.86	1.00	U	MS08-1240-11
Chloromethane	74-87-3	ND	1.86	1.00	U	MS08-1240-11
cis-1,2-Dichloroethene	156-59-2	ND	1.86	1.00	U	MS08-1240-11
cis-1,3-Dichloropropene	10061-01-5	ND	1.86	1.00	U	MS08-1240-11
Dibromochloromethane	124-48-1	ND	1.86	1.00	U	MS08-1240-11
Dibromomethane	74-95-3	ND	1.86	1.00	U	MS08-1240-11
Dichlorodifluoromethane	75-71-8	ND	1.86	1.00	U	MS08-1240-11
Ethylbenzene	100-41-4	ND	1.86	1.00	U	MS08-1240-11

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Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-2

Lab Sample ID: 13030160-02 (AQ03585)

Collection Date: 03/15/2013 09:45

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 91.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1240-11	EPA Method 8260B	03/20/2013 16:23	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1943	EPA 5030B-MOD	03/20/2013 11:29	SMS	5.92 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Hexachlorobutadiene	87-68-3	ND	1.86	1.00	U	MS08-1240-11
Isopropylbenzene	98-82-8	ND	1.86	1.00	U	MS08-1240-11
m&p-Xylene	136777-61-2	ND	1.86	1.00	U	MS08-1240-11
Methylene Chloride	75-09-2	ND	9.28	1.00	U	MS08-1240-11
Methyl-tert-butyl-ether (MTBE)	1634-04-4	ND	1.86	1.00	U	MS08-1240-11
Naphthalene	91-20-3	ND	1.86	1.00	U	MS08-1240-11
n-Butylbenzene	104-51-8	ND	1.86	1.00	U	MS08-1240-11
n-Propylbenzene	103-65-1	ND	1.86	1.00	U	MS08-1240-11
o-Xylene	95-47-6	ND	1.86	1.00	U	MS08-1240-11
sec-Butylbenzene	135-98-8	ND	1.86	1.00	U	MS08-1240-11
Styrene	100-42-5	ND	1.86	1.00	U	MS08-1240-11
tert-Butylbenzene	98-06-6	ND	1.86	1.00	U	MS08-1240-11
Tetrachloroethene	127-18-4	ND	1.86	1.00	U	MS08-1240-11
Toluene	108-88-3	ND	1.86	1.00	U	MS08-1240-11
trans-1,2-Dichloroethene	156-60-5	ND	1.86	1.00	U	MS08-1240-11
trans-1,3-Dichloropropene	10061-02-6	ND	1.86	1.00	U	MS08-1240-11
Trichloroethene	79-01-6	ND	1.86	1.00	U	MS08-1240-11
Trichlorofluoromethane	75-69-4	ND	1.86	1.00	U	MS08-1240-11
Vinyl Acetate	108-05-4	ND	1.86	1.00	U	MS08-1240-11
Vinyl Chloride	75-01-4	ND	1.86	1.00	U	MS08-1240-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	119	45.4-170		MS08-1240-11
Dibromofluoromethane	1868-53-7	106	79.3-122		MS08-1240-11
toluene-d8	2037-26-5	95.6	77.0-133		MS08-1240-11
1,2-Dichloroethane-d4	17060-07-0	121	80.9-116	*	MS08-1240-11

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
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Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-3

Lab Sample ID: 13030160-03 (AQ03586)

Collection Date: 03/15/2013 10:35

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 89.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1237-19	EPA Method 8260B	03/18/2013 19:20	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1939	EPA 5035A	03/18/2013 13:24	SMS	6.55 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.72	1.00	U	MS08-1237-19
1,1,1-Trichloroethane	71-55-6	ND	1.72	1.00	U	MS08-1237-19
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.72	1.00	U	MS08-1237-19
1,1,2-Trichloroethane	79-00-5	ND	1.72	1.00	U	MS08-1237-19
1,1-Dichloroethane	75-34-3	ND	1.72	1.00	U	MS08-1237-19
1,1-Dichloroethene	75-35-4	ND	1.72	1.00	U	MS08-1237-19
1,1-Dichloropropene	563-58-6	ND	1.72	1.00	U	MS08-1237-19
1,2,3-Trichlorobenzene	87-61-6	ND	1.72	1.00	U	MS08-1237-19
1,2,3-Trichloropropane	96-18-4	ND	1.72	1.00	U	MS08-1237-19
1,2,4-Trichlorobenzene	120-82-1	ND	1.72	1.00	U	MS08-1237-19
1,2,4-Trimethylbenzene	95-63-6	ND	1.72	1.00	U	MS08-1237-19
1,2-Dibromo-3-chloropropane	96-12-8	ND	1.72	1.00	U	MS08-1237-19
1,2-Dibromoethane	106-93-4	ND	1.72	1.00	U	MS08-1237-19
1,2-Dichlorobenzene	95-50-1	ND	1.72	1.00	U	MS08-1237-19
1,2-Dichloroethane	107-06-2	ND	1.72	1.00	U	MS08-1237-19
1,2-Dichloropropane	78-87-5	ND	1.72	1.00	U	MS08-1237-19
1,3,5-Trimethylbenzene	108-67-8	ND	1.72	1.00	U	MS08-1237-19
1,3-Dichlorobenzene	541-73-1	ND	1.72	1.00	U	MS08-1237-19
1,3-Dichloropropane	142-28-9	ND	1.72	1.00	U	MS08-1237-19
1,4-Dichlorobenzene	106-46-7	ND	1.72	1.00	U	MS08-1237-19
2,2-Dichloropropane	594-20-7	ND	1.72	1.00	U	MS08-1237-19
2-Butanone	78-93-3	1.81	1.72	1.00		MS08-1237-19
2-Chloroethylvinylether	110-75-8	ND	1.72	1.00	U	MS08-1237-19
2-Chlorotoluene	95-49-8	ND	1.72	1.00	U	MS08-1237-19
2-Hexanone	591-78-6	ND	1.72	1.00	U	MS08-1237-19
4-Chlorotoluene	106-43-4	ND	1.72	1.00	U	MS08-1237-19
4-Isopropyltoluene	99-87-6	ND	1.72	1.00	U	MS08-1237-19
4-Methyl-2-pentanone	108-10-1	ND	1.72	1.00	U	MS08-1237-19
Acetone	67-64-1	13.6	8.58	1.00		MS08-1237-19
Benzene	71-43-2	2.34	1.72	1.00		MS08-1237-19
Bromobenzene	108-86-1	ND	1.72	1.00	U	MS08-1237-19
Bromochloromethane	74-97-5	ND	1.72	1.00	U	MS08-1237-19
Bromodichloromethane	75-27-4	ND	1.72	1.00	U	MS08-1237-19
Bromoform	75-25-2	ND	1.72	1.00	U	MS08-1237-19
Bromomethane	74-83-9	ND	1.72	1.00	U	MS08-1237-19
Carbon Disulfide	75-15-0	ND	1.72	1.00	U	MS08-1237-19
Carbon Tetrachloride	56-23-5	ND	1.72	1.00	U	MS08-1237-19
Chlorobenzene	108-90-7	ND	1.72	1.00	U	MS08-1237-19
Chloroethane	75-00-3	ND	1.72	1.00	U	MS08-1237-19
Chloroform	67-66-3	ND	1.72	1.00	U	MS08-1237-19
Chloromethane	74-87-3	ND	1.72	1.00	U	MS08-1237-19
cis-1,2-Dichloroethene	156-59-2	ND	1.72	1.00	U	MS08-1237-19
cis-1,3-Dichloropropene	10061-01-5	ND	1.72	1.00	U	MS08-1237-19
Dibromochloromethane	124-48-1	ND	1.72	1.00	U	MS08-1237-19
Dibromomethane	74-95-3	ND	1.72	1.00	U	MS08-1237-19
Dichlorodifluoromethane	75-71-8	ND	1.72	1.00	U	MS08-1237-19
Ethylbenzene	100-41-4	ND	1.72	1.00	U	MS08-1237-19

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Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-3

Lab Sample ID: 13030160-03 (AQ03586)

Collection Date: 03/15/2013 10:35

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 89.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1237-19	EPA Method 8260B	03/18/2013 19:20	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1939	EPA 5035A	03/18/2013 13:24	SMS	6.55 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Hexachlorobutadiene	87-68-3	ND	1.72	1.00	U	MS08-1237-19
Isopropylbenzene	98-82-8	ND	1.72	1.00	U	MS08-1237-19
m&p-Xylene	136777-61-2	ND	1.72	1.00	U	MS08-1237-19
Methylene Chloride	75-09-2	ND	8.58	1.00	U	MS08-1237-19
Methyl-tert-butyl-ether (MTBE)	1634-04-4	ND	1.72	1.00	U	MS08-1237-19
Naphthalene	91-20-3	ND	1.72	1.00	U	MS08-1237-19
n-Butylbenzene	104-51-8	ND	1.72	1.00	U	MS08-1237-19
n-Propylbenzene	103-65-1	ND	1.72	1.00	U	MS08-1237-19
o-Xylene	95-47-6	ND	1.72	1.00	U	MS08-1237-19
sec-Butylbenzene	135-98-8	ND	1.72	1.00	U	MS08-1237-19
Styrene	100-42-5	ND	1.72	1.00	U	MS08-1237-19
tert-Butylbenzene	98-06-6	ND	1.72	1.00	U	MS08-1237-19
Tetrachloroethene	127-18-4	ND	1.72	1.00	U	MS08-1237-19
Toluene	108-88-3	ND	1.72	1.00	U	MS08-1237-19
trans-1,2-Dichloroethene	156-60-5	ND	1.72	1.00	U	MS08-1237-19
trans-1,3-Dichloropropene	10061-02-6	ND	1.72	1.00	U	MS08-1237-19
Trichloroethene	79-01-6	ND	1.72	1.00	U	MS08-1237-19
Trichlorofluoromethane	75-69-4	ND	1.72	1.00	U	MS08-1237-19
Vinyl Acetate	108-05-4	ND	1.72	1.00	U	MS08-1237-19
Vinyl Chloride	75-01-4	ND	1.72	1.00	U	MS08-1237-19

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	112	45.4-170		MS08-1237-19
Dibromofluoromethane	1868-53-7	102	79.3-122		MS08-1237-19
toluene-d8	2037-26-5	97.9	77.0-133		MS08-1237-19
1,2-Dichloroethane-d4	17060-07-0	107	80.9-116		MS08-1237-19

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: TW-1
Lab Sample ID: 13030160-04 (AQ03587)

Collection Date: 03/15/2013 11:30
Sample Matrix: WATER
Received Date: 03/16/2013 10:35
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1: MS05-3584-10	EPA Method 8260B	03/21/2013 13:55	RMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.00	1.00	U	MS05-3584-10
1,1,1-Trichloroethane	71-55-6	ND	1.00	1.00	U	MS05-3584-10
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.00	1.00	U	MS05-3584-10
1,1,2-Trichloroethane	79-00-5	ND	1.00	1.00	U	MS05-3584-10
1,1-Dichloroethane	75-34-3	ND	1.00	1.00	U	MS05-3584-10
1,1-Dichloroethene	75-35-4	ND	1.00	1.00	U	MS05-3584-10
1,1-Dichloropropene	563-58-6	ND	1.00	1.00	U	MS05-3584-10
1,2,3-Trichlorobenzene	87-61-6	ND	1.00	1.00	U	MS05-3584-10
1,2,3-Trichloropropane	96-18-4	ND	1.00	1.00	U	MS05-3584-10
1,2,4-Trichlorobenzene	120-82-1	ND	1.00	1.00	U	MS05-3584-10
1,2,4-Trimethylbenzene	95-63-6	ND	1.00	1.00	U	MS05-3584-10
1,2-Dibromo-3-chloropropane	96-12-8	ND	1.00	1.00	U	MS05-3584-10
1,2-Dibromoethane	106-93-4	ND	1.00	1.00	U	MS05-3584-10
1,2-Dichlorobenzene	95-50-1	ND	1.00	1.00	U	MS05-3584-10
1,2-Dichloroethane	107-06-2	ND	1.00	1.00	U	MS05-3584-10
1,2-Dichloropropane	78-87-5	ND	1.00	1.00	U	MS05-3584-10
1,3,5-Trimethylbenzene	108-67-8	ND	1.00	1.00	U	MS05-3584-10
1,3-Dichlorobenzene	541-73-1	ND	1.00	1.00	U	MS05-3584-10
1,3-Dichloropropane	142-28-9	ND	1.00	1.00	U	MS05-3584-10
1,4-Dichlorobenzene	106-46-7	ND	1.00	1.00	U	MS05-3584-10
2,2-Dichloropropane	594-20-7	ND	1.00	1.00	U	MS05-3584-10
2-Butanone	78-93-3	ND	1.00	1.00	U	MS05-3584-10
2-Chlorotoluene	95-49-8	ND	1.00	1.00	U	MS05-3584-10
2-Hexanone	591-78-6	ND	1.00	1.00	U	MS05-3584-10
4-Chlorotoluene	106-43-4	ND	1.00	1.00	U	MS05-3584-10
4-Isopropyltoluene	99-87-6	ND	1.00	1.00	U	MS05-3584-10
4-Methyl-2-pentanone	108-10-1	ND	1.00	1.00	U	MS05-3584-10
Acetone	67-64-1	12.1	5.00	1.00		MS05-3584-10
Benzene	71-43-2	ND	1.00	1.00	U	MS05-3584-10
Bromobenzene	108-86-1	ND	1.00	1.00	U	MS05-3584-10
Bromochloromethane	74-97-5	ND	1.00	1.00	U	MS05-3584-10
Bromodichloromethane	75-27-4	ND	1.00	1.00	U	MS05-3584-10
Bromoform	75-25-2	ND	1.00	1.00	U	MS05-3584-10
Bromomethane	74-83-9	ND	1.00	1.00	U	MS05-3584-10
Carbon disulfide	75-15-0	ND	1.00	1.00	U	MS05-3584-10
Carbon tetrachloride	56-23-5	ND	1.00	1.00	U	MS05-3584-10
Chlorobenzene	108-90-7	ND	1.00	1.00	U	MS05-3584-10
Chloroethane	75-00-3	ND	1.00	1.00	U	MS05-3584-10
Chloroform	67-66-3	ND	1.00	1.00	U	MS05-3584-10
Chloromethane	74-87-3	ND	1.00	1.00	U	MS05-3584-10
cis-1,2-Dichloroethene	156-59-2	ND	1.00	1.00	U	MS05-3584-10
cis-1,3-Dichloropropene	10061-01-5	ND	1.00	1.00	U	MS05-3584-10
Dibromochloromethane	124-48-1	ND	1.00	1.00	U	MS05-3584-10
Dibromomethane	74-95-3	ND	1.00	1.00	U	MS05-3584-10
Dichlorodifluoromethane	75-71-8	ND	1.00	1.00	U	MS05-3584-10
Ethylbenzene	100-41-4	ND	1.00	1.00	U	MS05-3584-10
Hexachlorobutadiene	87-68-3	ND	1.00	1.00	U	MS05-3584-10
Isopropylbenzene	98-82-8	ND	1.00	1.00	U	MS05-3584-10

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Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: TW-1
Lab Sample ID: 13030160-04 (AQ03587)

Collection Date: 03/15/2013 11:30
Sample Matrix: WATER
Received Date: 03/16/2013 10:35
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1: MS05-3584-10	EPA Method 8260B	03/21/2013 13:55	RMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
m&p-Xylene	136777-61-2	ND	1.00	1.00	U	MS05-3584-10
Methylene chloride	75-09-2	ND	1.00	1.00	U	MS05-3584-10
MTBE	1634-04-4	ND	1.00	1.00	U	MS05-3584-10
Naphthalene	91-20-3	ND	1.00	1.00	U	MS05-3584-10
n-Butylbenzene	104-51-8	ND	1.00	1.00	U	MS05-3584-10
n-Propylbenzene	103-65-1	ND	1.00	1.00	U	MS05-3584-10
o-Xylene	95-47-6	ND	1.00	1.00	U	MS05-3584-10
sec-Butylbenzene	135-98-8	ND	1.00	1.00	U	MS05-3584-10
Styrene	100-42-5	ND	1.00	1.00	U	MS05-3584-10
tert-Butylbenzene	98-06-6	ND	1.00	1.00	U	MS05-3584-10
Tetrachloroethene	127-18-4	ND	1.00	1.00	U	MS05-3584-10
Toluene	108-88-3	ND	1.00	1.00	U	MS05-3584-10
trans-1,2-Dichloroethene	156-60-5	ND	1.00	1.00	U	MS05-3584-10
trans-1,3-Dichloropropene	10061-02-6	ND	1.00	1.00	U	MS05-3584-10
Trichloroethene	79-01-6	ND	1.00	1.00	U	MS05-3584-10
Trichlorofluoromethane	75-69-4	ND	1.00	1.00	U	MS05-3584-10
Vinyl acetate	108-05-4	ND	1.00	1.00	U	MS05-3584-10
Vinyl chloride	75-01-4	ND	1.00	1.00	U	MS05-3584-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	111	82.1-126		MS05-3584-10
Dibromofluoromethane	1868-53-7	104	90.4-109		MS05-3584-10
Toluene-d8	2037-26-5	103	87.8-111		MS05-3584-10
1,2-Dichloroethane-d4	17060-07-0	105	85.9-111		MS05-3584-10

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

GC/MS Semivolatiles



Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-1

Lab Sample ID: 13030160-01 (AQ03584)

Collection Date: 03/15/2013 09:15

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 96.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS04-813-6	EPA Method 8270C	03/21/2013 10:29	RMS	NA	NA	Varian, VF-5MS, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21597	EPA 3545	03/18/2013 15:27	CAP	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
2-Methylnaphthalene	91-57-6	ND	172	1.00	U	MS04-813-6
Acenaphthene	83-32-9	ND	172	1.00	U	MS04-813-6
Acenaphthylene	208-96-8	ND	172	1.00	U	MS04-813-6
Anthracene	120-12-7	ND	172	1.00	U	MS04-813-6
Benzo(a)anthracene	56-55-3	ND	172	1.00	U	MS04-813-6
Benzo(a)pyrene	50-32-8	ND	172	1.00	U	MS04-813-6
Benzo(b)fluoranthene	205-99-2	ND	172	1.00	U	MS04-813-6
Benzo(g,h,i)perylene	191-24-2	ND	172	1.00	U	MS04-813-6
Benzo(k)fluoranthene	207-08-9	ND	172	1.00	U	MS04-813-6
Chrysene	218-01-9	ND	172	1.00	U	MS04-813-6
Dibenz(a,h)anthracene	53-70-3	ND	172	1.00	U	MS04-813-6
Fluoranthene	206-44-0	ND	172	1.00	U	MS04-813-6
Fluorene	86-73-7	ND	172	1.00	U	MS04-813-6
Indeno(1,2,3-cd)pyrene	193-39-5	ND	172	1.00	U	MS04-813-6
Naphthalene	91-20-3	ND	172	1.00	U	MS04-813-6
Phenanthrene	85-01-8	ND	172	1.00	U	MS04-813-6
Pyrene	129-00-0	ND	172	1.00	U	MS04-813-6

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2-Fluorobiphenyl	321-60-8	92.0	30.0-115		MS04-813-6
Terphenyl-d14	1718-51-0	72.6	18.0-137		MS04-813-6
Nitrobenzene-d5	4165-60-0	67.9	23.0-120		MS04-813-6

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
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Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-2

Lab Sample ID: 13030160-02 (AQ03585)

Collection Date: 03/15/2013 09:45

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 91.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS04-813-7	EPA Method 8270C	03/21/2013 10:51	RMS	NA	NA	Varian, VF-5MS, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21597	EPA 3545	03/18/2013 15:28	CAP	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
2-Methylnaphthalene	91-57-6	ND	181	1.00	U	MS04-813-7
Acenaphthene	83-32-9	ND	181	1.00	U	MS04-813-7
Acenaphthylene	208-96-8	ND	181	1.00	U	MS04-813-7
Anthracene	120-12-7	ND	181	1.00	U	MS04-813-7
Benzo(a)anthracene	56-55-3	ND	181	1.00	U	MS04-813-7
Benzo(a)pyrene	50-32-8	ND	181	1.00	U	MS04-813-7
Benzo(b)fluoranthene	205-99-2	ND	181	1.00	U	MS04-813-7
Benzo(g,h,i)perylene	191-24-2	ND	181	1.00	U	MS04-813-7
Benzo(k)fluoranthene	207-08-9	ND	181	1.00	U	MS04-813-7
Chrysene	218-01-9	ND	181	1.00	U	MS04-813-7
Dibenz(a,h)anthracene	53-70-3	ND	181	1.00	U	MS04-813-7
Fluoranthene	206-44-0	ND	181	1.00	U	MS04-813-7
Fluorene	86-73-7	ND	181	1.00	U	MS04-813-7
Indeno(1,2,3-cd)pyrene	193-39-5	ND	181	1.00	U	MS04-813-7
Naphthalene	91-20-3	ND	181	1.00	U	MS04-813-7
Phenanthrene	85-01-8	ND	181	1.00	U	MS04-813-7
Pyrene	129-00-0	ND	181	1.00	U	MS04-813-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2-Fluorobiphenyl	321-60-8	87.2	30.0-115		MS04-813-7
Terphenyl-d14	1718-51-0	62.2	18.0-137		MS04-813-7
Nitrobenzene-d5	4165-60-0	75.3	23.0-120		MS04-813-7

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-3

Lab Sample ID: 13030160-03 (AQ03586)

Collection Date: 03/15/2013 10:35

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 89.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS04-813-8	EPA Method 8270C	03/21/2013 11:12	RMS	NA	NA	Varian, VF-5MS, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21597	EPA 3545	03/18/2013 15:30	CAP	30.4 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
2-Methylnaphthalene	91-57-6	ND	185	1.00	U	MS04-813-8
Acenaphthene	83-32-9	ND	185	1.00	U	MS04-813-8
Acenaphthylene	208-96-8	ND	185	1.00	U	MS04-813-8
Anthracene	120-12-7	ND	185	1.00	U	MS04-813-8
Benzo(a)anthracene	56-55-3	492	185	1.00		MS04-813-8
Benzo(a)pyrene	50-32-8	487	185	1.00		MS04-813-8
Benzo(b)fluoranthene	205-99-2	659	185	1.00		MS04-813-8
Benzo(g,h,i)perylene	191-24-2	256	185	1.00		MS04-813-8
Benzo(k)fluoranthene	207-08-9	218	185	1.00		MS04-813-8
Chrysene	218-01-9	351	185	1.00		MS04-813-8
Dibenz(a,h)anthracene	53-70-3	ND	185	1.00	U	MS04-813-8
Fluoranthene	206-44-0	1080	185	1.00		MS04-813-8
Fluorene	86-73-7	ND	185	1.00	U	MS04-813-8
Indeno(1,2,3-cd)pyrene	193-39-5	245	185	1.00		MS04-813-8
Naphthalene	91-20-3	ND	185	1.00	U	MS04-813-8
Phenanthrene	85-01-8	188	185	1.00		MS04-813-8
Pyrene	129-00-0	873	185	1.00		MS04-813-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2-Fluorobiphenyl	321-60-8	83.2	30.0-115		MS04-813-8
Terphenyl-d14	1718-51-0	90.1	18.0-137		MS04-813-8
Nitrobenzene-d5	4165-60-0	76.6	23.0-120		MS04-813-8

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
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Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: TW-1
Lab Sample ID: 13030160-04 (AQ03587)

Collection Date: 03/15/2013 11:30
Sample Matrix: WATER
Received Date: 03/16/2013 10:35
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS04-813-11	EPA Method 8270C	03/21/2013 13:51	RMS	NA	NA	Varian, VF-5MS, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21606	EPA 3520C	03/20/2013 08:15	OCD	980 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
2-Methylnaphthalene	91-57-6	ND	5.10	1.00	U	MS04-813-11
Acenaphthene	83-32-9	ND	5.10	1.00	U	MS04-813-11
Acenaphthylene	208-96-8	ND	5.10	1.00	U	MS04-813-11
Anthracene	120-12-7	ND	5.10	1.00	U	MS04-813-11
Benzo(a)anthracene	56-55-3	ND	5.10	1.00	U	MS04-813-11
Benzo(a)pyrene	50-32-8	6.68	5.10	1.00		MS04-813-11
Benzo(b)fluoranthene	205-99-2	9.22	5.10	1.00		MS04-813-11
Benzo(g,h,i)perylene	191-24-2	ND	5.10	1.00	U	MS04-813-11
Benzo(k)fluoranthene	207-08-9	ND	5.10	1.00	U	MS04-813-11
Chrysene	218-01-9	ND	5.10	1.00	U	MS04-813-11
Dibenz(a,h)anthracene	53-70-3	ND	5.10	1.00	U	MS04-813-11
Fluoranthene	206-44-0	14.6	5.10	1.00		MS04-813-11
Fluorene	86-73-7	ND	5.10	1.00	U	MS04-813-11
Indeno(1,2,3-cd)pyrene	193-39-5	ND	5.10	1.00	U	MS04-813-11
Naphthalene	91-20-3	ND	5.10	1.00	U	MS04-813-11
Phenanthrene	85-01-8	ND	5.10	1.00	U	MS04-813-11
Pyrene	129-00-0	12.1	5.10	1.00		MS04-813-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2-Fluorobiphenyl	321-60-8	116	30.0-115	*	MS04-813-11
Terphenyl-d14	1718-51-0	70.8	18.0-137		MS04-813-11
Nitrobenzene-d5	4165-60-0	104	23.0-120		MS04-813-11

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Wet Chemistry - % Moisture



Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-1

Lab Sample ID: 13030160-01 (AQ03584)

Collection Date: 03/15/2013 09:15

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 96.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	6420	SW-846 3545 Sec. 7.2.1	03/18/2013	LMB	NA	NA	NA

Analyte	CAS No.	Result (%)	PQL	Dilution Factor	Flags	File ID
% Moisture	MOISTURE	3.58	0.0187	1.00		6420

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-2

Lab Sample ID: 13030160-02 (AQ03585)

Collection Date: 03/15/2013 09:45

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 91.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	6420	SW-846 3545 Sec. 7.2.1	03/18/2013	LMB	NA	NA	NA

Analyte	CAS No.	Result (%)	PQL	Dilution Factor	Flags	File ID
% Moisture	MOISTURE	9.00	0.0187	1.00		6420

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.

Project: EFI - AFS Market

Client Sample ID: B-3

Lab Sample ID: 13030160-03 (AQ03586)

Collection Date: 03/15/2013 10:35

Sample Matrix: SOIL

Received Date: 03/16/2013 10:35

Percent Solid: 89.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	6420	SW-846 3545 Sec. 7.2.1	03/18/2013	LMB	NA	NA	NA

Analyte	CAS No.	Result (%)	PQL	Dilution Factor	Flags	File ID
% Moisture	MOISTURE	11.0	0.0196	1.00		6420

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Quality Control Samples (Lab)



**Quality Control Results
Method Blank**

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Method Blank (AQ03427B)
Lab Sample ID: VBLK-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1237-7	EPA Method 8260B	03/18/2013 13:45	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1939	EPA 5030B-MOD	03/18/2013 10:08	SMS	5.03 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.99	1.00	U	MS08-1237-7
1,1,1-Trichloroethane	71-55-6	ND	1.99	1.00	U	MS08-1237-7
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.99	1.00	U	MS08-1237-7
1,1,2-Trichloroethane	79-00-5	ND	1.99	1.00	U	MS08-1237-7
1,1-Dichloroethane	75-34-3	ND	1.99	1.00	U	MS08-1237-7
1,1-Dichloroethene	75-35-4	ND	1.99	1.00	U	MS08-1237-7
1,1-Dichloropropene	563-58-6	ND	1.99	1.00	U	MS08-1237-7
1,2,3-Trichlorobenzene	87-61-6	ND	1.99	1.00	U	MS08-1237-7
1,2,3-Trichloropropane	96-18-4	ND	1.99	1.00	U	MS08-1237-7
1,2,4-Trichlorobenzene	120-82-1	ND	1.99	1.00	U	MS08-1237-7
1,2,4-Trimethylbenzene	95-63-6	ND	1.99	1.00	U	MS08-1237-7
1,2-Dibromo-3-chloropropane	96-12-8	ND	1.99	1.00	U	MS08-1237-7
1,2-Dibromoethane	106-93-4	ND	1.99	1.00	U	MS08-1237-7
1,2-Dichlorobenzene	95-50-1	ND	1.99	1.00	U	MS08-1237-7
1,2-Dichloroethane	107-06-2	ND	1.99	1.00	U	MS08-1237-7
1,2-Dichloropropane	78-87-5	ND	1.99	1.00	U	MS08-1237-7
1,3,5-Trimethylbenzene	108-67-8	ND	1.99	1.00	U	MS08-1237-7
1,3-Dichlorobenzene	541-73-1	ND	1.99	1.00	U	MS08-1237-7
1,3-Dichloropropane	142-28-9	ND	1.99	1.00	U	MS08-1237-7
1,4-Dichlorobenzene	106-46-7	ND	1.99	1.00	U	MS08-1237-7
2,2-Dichloropropane	594-20-7	ND	1.99	1.00	U	MS08-1237-7
2-Butanone	78-93-3	ND	1.99	1.00	U	MS08-1237-7
2-Chloroethylvinylether	110-75-8	ND	1.99	1.00	U	MS08-1237-7
2-Chlorotoluene	95-49-8	ND	1.99	1.00	U	MS08-1237-7
2-Hexanone	591-78-6	ND	1.99	1.00	U	MS08-1237-7
4-Chlorotoluene	106-43-4	ND	1.99	1.00	U	MS08-1237-7
4-Isopropyltoluene	99-87-6	ND	1.99	1.00	U	MS08-1237-7
4-Methyl-2-pentanone	108-10-1	ND	1.99	1.00	U	MS08-1237-7
Acetone	67-64-1	ND	9.93	1.00	U	MS08-1237-7
Benzene	71-43-2	ND	1.99	1.00	U	MS08-1237-7
Bromobenzene	108-86-1	ND	1.99	1.00	U	MS08-1237-7
Bromochloromethane	74-97-5	ND	1.99	1.00	U	MS08-1237-7
Bromodichloromethane	75-27-4	ND	1.99	1.00	U	MS08-1237-7
Bromoform	75-25-2	ND	1.99	1.00	U	MS08-1237-7
Bromomethane	74-83-9	ND	1.99	1.00	U	MS08-1237-7
Carbon Disulfide	75-15-0	ND	1.99	1.00	U	MS08-1237-7
Carbon Tetrachloride	56-23-5	ND	1.99	1.00	U	MS08-1237-7
Chlorobenzene	108-90-7	ND	1.99	1.00	U	MS08-1237-7
Chloroethane	75-00-3	ND	1.99	1.00	U	MS08-1237-7
Chloroform	67-66-3	ND	1.99	1.00	U	MS08-1237-7
Chloromethane	74-87-3	ND	1.99	1.00	U	MS08-1237-7
cis-1,2-Dichloroethene	156-59-2	ND	1.99	1.00	U	MS08-1237-7
cis-1,3-Dichloropropene	10061-01-5	ND	1.99	1.00	U	MS08-1237-7
Dibromochloromethane	124-48-1	ND	1.99	1.00	U	MS08-1237-7
Dibromomethane	74-95-3	ND	1.99	1.00	U	MS08-1237-7
Dichlorodifluoromethane	75-71-8	ND	1.99	1.00	U	MS08-1237-7
Ethylbenzene	100-41-4	ND	1.99	1.00	U	MS08-1237-7

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Quality Control Results Method Blank

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Method Blank (AQ03427B)
Lab Sample ID: VBLK-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1237-7	EPA Method 8260B	03/18/2013 13:45	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1939	EPA 5030B-MOD	03/18/2013 10:08	SMS	5.03 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Hexachlorobutadiene	87-68-3	ND	1.99	1.00	U	MS08-1237-7
Isopropylbenzene	98-82-8	ND	1.99	1.00	U	MS08-1237-7
m&p-Xylene	136777-61-2	ND	1.99	1.00	U	MS08-1237-7
Methylene Chloride	75-09-2	ND	9.93	1.00	U	MS08-1237-7
Methyl-tert-butyl-ether (MTBE)	1634-04-4	ND	1.99	1.00	U	MS08-1237-7
Naphthalene	91-20-3	ND	1.99	1.00	U	MS08-1237-7
n-Butylbenzene	104-51-8	ND	1.99	1.00	U	MS08-1237-7
n-Propylbenzene	103-65-1	ND	1.99	1.00	U	MS08-1237-7
o-Xylene	95-47-6	ND	1.99	1.00	U	MS08-1237-7
sec-Butylbenzene	135-98-8	ND	1.99	1.00	U	MS08-1237-7
Styrene	100-42-5	ND	1.99	1.00	U	MS08-1237-7
tert-Butylbenzene	98-06-6	ND	1.99	1.00	U	MS08-1237-7
Tetrachloroethene	127-18-4	ND	1.99	1.00	U	MS08-1237-7
Toluene	108-88-3	ND	1.99	1.00	U	MS08-1237-7
trans-1,2-Dichloroethene	156-60-5	ND	1.99	1.00	U	MS08-1237-7
trans-1,3-Dichloropropene	10061-02-6	ND	1.99	1.00	U	MS08-1237-7
Trichloroethene	79-01-6	ND	1.99	1.00	U	MS08-1237-7
Trichlorofluoromethane	75-69-4	ND	1.99	1.00	U	MS08-1237-7
Vinyl Acetate	108-05-4	ND	1.99	1.00	U	MS08-1237-7
Vinyl Chloride	75-01-4	ND	1.99	1.00	U	MS08-1237-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	117	45.4-170		MS08-1237-7
Dibromofluoromethane	1868-53-7	94.7	79.3-122		MS08-1237-7
toluene-d8	2037-26-5	96.6	77.0-133		MS08-1237-7
1,2-Dichloroethane-d4	17060-07-0	90.7	80.9-116		MS08-1237-7

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Quality Control Results Lab Control Sample

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Lab Control Sample (AQ03427LRR1)
Lab Sample ID: LCS-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1237-5	EPA Method 8260B	03/18/2013 12:20	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1939	EPA 5030B-MOD	03/18/2013 10:07	SMS	5.03 g	10.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/kg)	LCS (ug/kg)	LCS % Rec.	Q ¹	Limits (%)
1,1,1,2-Tetrachloroethane	630-20-6	79.5	79.1	99.5		70.0-130
1,1,1-Trichloroethane	71-55-6	79.5	75.3	94.7		70.0-130
1,1,2,2-Tetrachloroethane	79-34-5	79.5	69.5	87.5		70.0-130
1,1,2-Trichloroethane	79-00-5	79.5	70.0	88.0		70.0-130
1,1-Dichloroethane	75-34-3	79.5	74.1	93.2		70.0-130
1,1-Dichloroethene	75-35-4	79.5	68.1	85.6		70.0-130
1,1-Dichloropropene	563-58-6	79.5	71.6	90.0		70.0-130
1,2,3-Trichlorobenzene	87-61-6	79.5	65.6	82.4		70.0-130
1,2,3-Trichloropropane	96-18-4	79.5	66.7	83.9		70.0-130
1,2,4-Trichlorobenzene	120-82-1	79.5	66.6	83.7		70.0-130
1,2,4-Trimethylbenzene	95-63-6	79.5	72.1	90.7		70.0-130
1,2-Dibromo-3-chloropropane	96-12-8	79.5	70.5	88.7		70.0-130
1,2-Dibromoethane	106-93-4	79.5	72.3	90.9		70.0-130
1,2-Dichlorobenzene	95-50-1	79.5	75.4	94.9		70.0-130
1,2-Dichloroethane	107-06-2	79.5	72.8	91.6		70.0-130
1,2-Dichloropropane	78-87-5	79.5	74.9	94.1		70.0-130
1,3,5-Trimethylbenzene	108-67-8	79.5	70.5	88.6		70.0-130
1,3-Dichlorobenzene	541-73-1	79.5	72.6	91.3		70.0-130
1,3-Dichloropropane	142-28-9	79.5	73.2	92.0		70.0-130
1,4-Dichlorobenzene	106-46-7	79.5	73.6	92.5		70.0-130
2,2-Dichloropropane	594-20-7	79.5	70.6	88.8		70.0-130
2-Butanone	78-93-3	79.5	67.9	85.4		70.0-130
2-Chloroethylvinylether	110-75-8	79.5	47.0	59.1	*	70.0-130
2-Chlorotoluene	95-49-8	79.5	68.8	86.6		70.0-130
2-Hexanone	591-78-6	79.5	70.6	88.8		70.0-130
4-Chlorotoluene	106-43-4	79.5	68.0	85.6		70.0-130
4-Isopropyltoluene	99-87-6	79.5	74.8	94.1		70.0-130
4-Methyl-2-pentanone	108-10-1	79.5	69.8	87.7		70.0-130
Acetone	67-64-1	79.5	65.0	81.8		70.0-130
Benzene	71-43-2	79.5	75.4	94.9		70.0-130
Bromobenzene	108-86-1	79.5	73.7	92.6		70.0-130
Bromochloromethane	74-97-5	79.5	71.8	90.3		70.0-130
Bromodichloromethane	75-27-4	79.5	74.5	93.7		70.0-130
Bromoform	75-25-2	79.5	72.4	91.0		70.0-130
Bromomethane	74-83-9	79.5	102	128		70.0-130
Carbon Disulfide	75-15-0	79.5	59.6	75.0		70.0-130
Carbon Tetrachloride	56-23-5	79.5	71.0	89.3		70.0-130
Chlorobenzene	108-90-7	79.5	76.6	96.3		70.0-130
Chloroethane	75-00-3	79.5	84.5	106		70.0-130
Chloroform	67-66-3	79.5	75.6	95.1		70.0-130
Chloromethane	74-87-3	79.5	79.9	100		70.0-130
cis-1,2-Dichloroethene	156-59-2	79.5	74.5	93.7		70.0-130
cis-1,3-Dichloropropene	10061-01-5	79.5	74.5	93.7		70.0-130
Dibromochloromethane	124-48-1	79.5	77.4	97.3		70.0-130
Dibromomethane	74-95-3	79.5	70.9	89.2		70.0-130
Dichlorodifluoromethane	75-71-8	79.5	82.9	104		70.0-130
Ethylbenzene	100-41-4	79.5	72.6	91.3		70.0-130
Hexachlorobutadiene	87-68-3	79.5	64.6	81.3		70.0-130
Isopropylbenzene	98-82-8	79.5	71.9	90.4		70.0-130
m&p-Xylene	136777-61-2	159	141	88.9		70.0-130
Methylene Chloride	75-09-2	79.5	58.2	73.2		70.0-130
Methyl-tert-butyl-ether (MTBE)	1634-04-4	79.5	73.7	92.7		70.0-130

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Quality Control Results Lab Control Sample

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Lab Control Sample (AQ03427LRR1)
Lab Sample ID: LCS-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1237-5	EPA Method 8260B	03/18/2013 12:20	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1939	EPA 5030B-MOD	03/18/2013 10:07	SMS	5.03 g	10.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/kg)	LCS (ug/kg)	LCS % Rec.	Q ¹	Limits (%)
Naphthalene	91-20-3	79.5	61.2	77.0		70.0-130
n-Butylbenzene	104-51-8	79.5	71.9	90.5		70.0-130
n-Propylbenzene	103-65-1	79.5	74.5	93.7		70.0-130
o-Xylene	95-47-6	79.5	71.0	89.3		70.0-130
sec-Butylbenzene	135-98-8	79.5	76.5	96.2		70.0-130
Styrene	100-42-5	79.5	73.0	91.8		70.0-130
tert-Butylbenzene	98-06-6	79.5	70.9	89.2		70.0-130
Tetrachloroethene	127-18-4	79.5	73.4	92.3		70.0-130
Toluene	108-88-3	79.5	72.5	91.1		70.0-130
trans-1,2-Dichloroethene	156-60-5	79.5	71.9	90.4		70.0-130
trans-1,3-Dichloropropene	10061-02-6	79.5	75.8	95.3		70.0-130
Trichloroethene	79-01-6	79.5	72.3	91.0		70.0-130
Trichlorofluoromethane	75-69-4	79.5	78.0	98.1		70.0-130
Vinyl Acetate	108-05-4	79.5	50.1	63.0	*	70.0-130
Vinyl Chloride	75-01-4	79.5	77.2	97.0		70.0-130

¹Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	97.0	45.4-170		MS08-1237-5
Dibromofluoromethane	1868-53-7	96.6	79.3-122		MS08-1237-5
toluene-d8	2037-26-5	100	77.0-133		MS08-1237-5
1,2-Dichloroethane-d4	17060-07-0	95.3	80.9-116		MS08-1237-5

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results
Method Blank**

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Method Blank (AQ03592BRR1)
Lab Sample ID: VBLK-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1240-7	EPA Method 8260B	03/20/2013 13:23	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1943	EPA 5030B-MOD	03/20/2013 13:03	SMS	5.03 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.99	1.00	U	MS08-1240-7
1,1,1-Trichloroethane	71-55-6	ND	1.99	1.00	U	MS08-1240-7
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.99	1.00	U	MS08-1240-7
1,1,2-Trichloroethane	79-00-5	ND	1.99	1.00	U	MS08-1240-7
1,1-Dichloroethane	75-34-3	ND	1.99	1.00	U	MS08-1240-7
1,1-Dichloroethene	75-35-4	ND	1.99	1.00	U	MS08-1240-7
1,1-Dichloropropene	563-58-6	ND	1.99	1.00	U	MS08-1240-7
1,2,3-Trichlorobenzene	87-61-6	ND	1.99	1.00	U	MS08-1240-7
1,2,3-Trichloropropane	96-18-4	ND	1.99	1.00	U	MS08-1240-7
1,2,4-Trichlorobenzene	120-82-1	ND	1.99	1.00	U	MS08-1240-7
1,2,4-Trimethylbenzene	95-63-6	ND	1.99	1.00	U	MS08-1240-7
1,2-Dibromo-3-chloropropane	96-12-8	ND	1.99	1.00	U	MS08-1240-7
1,2-Dibromoethane	106-93-4	ND	1.99	1.00	U	MS08-1240-7
1,2-Dichlorobenzene	95-50-1	ND	1.99	1.00	U	MS08-1240-7
1,2-Dichloroethane	107-06-2	ND	1.99	1.00	U	MS08-1240-7
1,2-Dichloropropane	78-87-5	ND	1.99	1.00	U	MS08-1240-7
1,3,5-Trimethylbenzene	108-67-8	ND	1.99	1.00	U	MS08-1240-7
1,3-Dichlorobenzene	541-73-1	ND	1.99	1.00	U	MS08-1240-7
1,3-Dichloropropane	142-28-9	ND	1.99	1.00	U	MS08-1240-7
1,4-Dichlorobenzene	106-46-7	ND	1.99	1.00	U	MS08-1240-7
2,2-Dichloropropane	594-20-7	ND	1.99	1.00	U	MS08-1240-7
2-Butanone	78-93-3	ND	1.99	1.00	U	MS08-1240-7
2-Chloroethylvinylether	110-75-8	ND	1.99	1.00	U	MS08-1240-7
2-Chlorotoluene	95-49-8	ND	1.99	1.00	U	MS08-1240-7
2-Hexanone	591-78-6	ND	1.99	1.00	U	MS08-1240-7
4-Chlorotoluene	106-43-4	ND	1.99	1.00	U	MS08-1240-7
4-Isopropyltoluene	99-87-6	ND	1.99	1.00	U	MS08-1240-7
4-Methyl-2-pentanone	108-10-1	ND	1.99	1.00	U	MS08-1240-7
Acetone	67-64-1	ND	9.95	1.00	U	MS08-1240-7
Benzene	71-43-2	ND	1.99	1.00	U	MS08-1240-7
Bromobenzene	108-86-1	ND	1.99	1.00	U	MS08-1240-7
Bromochloromethane	74-97-5	ND	1.99	1.00	U	MS08-1240-7
Bromodichloromethane	75-27-4	ND	1.99	1.00	U	MS08-1240-7
Bromoform	75-25-2	ND	1.99	1.00	U	MS08-1240-7
Bromomethane	74-83-9	ND	1.99	1.00	U	MS08-1240-7
Carbon Disulfide	75-15-0	ND	1.99	1.00	U	MS08-1240-7
Carbon Tetrachloride	56-23-5	ND	1.99	1.00	U	MS08-1240-7
Chlorobenzene	108-90-7	ND	1.99	1.00	U	MS08-1240-7
Chloroethane	75-00-3	ND	1.99	1.00	U	MS08-1240-7
Chloroform	67-66-3	ND	1.99	1.00	U	MS08-1240-7
Chloromethane	74-87-3	ND	1.99	1.00	U	MS08-1240-7
cis-1,2-Dichloroethene	156-59-2	ND	1.99	1.00	U	MS08-1240-7
cis-1,3-Dichloropropene	10061-01-5	ND	1.99	1.00	U	MS08-1240-7
Dibromochloromethane	124-48-1	ND	1.99	1.00	U	MS08-1240-7
Dibromomethane	74-95-3	ND	1.99	1.00	U	MS08-1240-7
Dichlorodifluoromethane	75-71-8	ND	1.99	1.00	U	MS08-1240-7
Ethylbenzene	100-41-4	ND	1.99	1.00	U	MS08-1240-7

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Quality Control Results Method Blank

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Method Blank (AQ03592BRR1)
Lab Sample ID: VBLK-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1240-7	EPA Method 8260B	03/20/2013 13:23	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1943	EPA 5030B-MOD	03/20/2013 13:03	SMS	5.03 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Hexachlorobutadiene	87-68-3	ND	1.99	1.00	U	MS08-1240-7
Isopropylbenzene	98-82-8	ND	1.99	1.00	U	MS08-1240-7
m&p-Xylene	136777-61-2	ND	1.99	1.00	U	MS08-1240-7
Methylene Chloride	75-09-2	ND	9.95	1.00	U	MS08-1240-7
Methyl-tert-butyl-ether (MTBE)	1634-04-4	ND	1.99	1.00	U	MS08-1240-7
Naphthalene	91-20-3	ND	1.99	1.00	U	MS08-1240-7
n-Butylbenzene	104-51-8	ND	1.99	1.00	U	MS08-1240-7
n-Propylbenzene	103-65-1	ND	1.99	1.00	U	MS08-1240-7
o-Xylene	95-47-6	ND	1.99	1.00	U	MS08-1240-7
sec-Butylbenzene	135-98-8	ND	1.99	1.00	U	MS08-1240-7
Styrene	100-42-5	ND	1.99	1.00	U	MS08-1240-7
tert-Butylbenzene	98-06-6	ND	1.99	1.00	U	MS08-1240-7
Tetrachloroethene	127-18-4	ND	1.99	1.00	U	MS08-1240-7
Toluene	108-88-3	ND	1.99	1.00	U	MS08-1240-7
trans-1,2-Dichloroethene	156-60-5	ND	1.99	1.00	U	MS08-1240-7
trans-1,3-Dichloropropene	10061-02-6	ND	1.99	1.00	U	MS08-1240-7
Trichloroethene	79-01-6	ND	1.99	1.00	U	MS08-1240-7
Trichlorofluoromethane	75-69-4	ND	1.99	1.00	U	MS08-1240-7
Vinyl Acetate	108-05-4	ND	1.99	1.00	U	MS08-1240-7
Vinyl Chloride	75-01-4	ND	1.99	1.00	U	MS08-1240-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	98.5	45.4-170		MS08-1240-7
Dibromofluoromethane	1868-53-7	95.7	79.3-122		MS08-1240-7
toluene-d8	2037-26-5	101	77.0-133		MS08-1240-7
1,2-Dichloroethane-d4	17060-07-0	94.8	80.9-116		MS08-1240-7

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Quality Control Results Lab Control Sample

Job Number: 13030160

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Lab Control Sample (AQ03592L)
Lab Sample ID: LCS-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1240-4	EPA Method 8260B	03/20/2013 10:41	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1943	EPA 5030B-MOD	03/20/2013 10:18	SMS	5.04 g	10.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/kg)	LCS (ug/kg)	LCS % Rec.	Q ¹	Limits (%)
1,1,1,2-Tetrachloroethane	630-20-6	79.3	80.0	101		70.0-130
1,1,1-Trichloroethane	71-55-6	79.3	76.4	96.3		70.0-130
1,1,2,2-Tetrachloroethane	79-34-5	79.3	68.3	86.1		70.0-130
1,1,2-Trichloroethane	79-00-5	79.3	70.6	89.0		70.0-130
1,1-Dichloroethane	75-34-3	79.3	74.2	93.5		70.0-130
1,1-Dichloroethene	75-35-4	79.3	72.7	91.7		70.0-130
1,1-Dichloropropene	563-58-6	79.3	76.9	96.9		70.0-130
1,2,3-Trichlorobenzene	87-61-6	79.3	68.5	86.3		70.0-130
1,2,3-Trichloropropane	96-18-4	79.3	60.9	76.8		70.0-130
1,2,4-Trichlorobenzene	120-82-1	79.3	70.6	89.0		70.0-130
1,2,4-Trimethylbenzene	95-63-6	79.3	74.5	93.9		70.0-130
1,2-Dibromo-3-chloropropane	96-12-8	79.3	71.5	90.1		70.0-130
1,2-Dibromoethane	106-93-4	79.3	70.7	89.2		70.0-130
1,2-Dichlorobenzene	95-50-1	79.3	81.2	102		70.0-130
1,2-Dichloroethane	107-06-2	79.3	70.7	89.0		70.0-130
1,2-Dichloropropane	78-87-5	79.3	74.6	94.1		70.0-130
1,3,5-Trimethylbenzene	108-67-8	79.3	79.3	99.9		70.0-130
1,3-Dichlorobenzene	541-73-1	79.3	79.6	100		70.0-130
1,3-Dichloropropane	142-28-9	79.3	72.1	90.8		70.0-130
1,4-Dichlorobenzene	106-46-7	79.3	78.8	99.4		70.0-130
2,2-Dichloropropane	594-20-7	79.3	74.0	93.2		70.0-130
2-Butanone	78-93-3	79.3	67.5	85.1		70.0-130
2-Chloroethylvinylether	110-75-8	79.3	54.0	68.1	*	70.0-130
2-Chlorotoluene	95-49-8	79.3	80.6	102		70.0-130
2-Hexanone	591-78-6	79.3	72.2	91.1		70.0-130
4-Chlorotoluene	106-43-4	79.3	74.9	94.4		70.0-130
4-Isopropyltoluene	99-87-6	79.3	77.5	97.6		70.0-130
4-Methyl-2-pentanone	108-10-1	79.3	69.6	87.7		70.0-130
Acetone	67-64-1	79.3	73.4	92.6		70.0-130
Benzene	71-43-2	79.3	75.7	95.5		70.0-130
Bromobenzene	108-86-1	79.3	72.6	91.5		70.0-130
Bromochloromethane	74-97-5	79.3	69.2	87.3		70.0-130
Bromodichloromethane	75-27-4	79.3	72.2	91.0		70.0-130
Bromoform	75-25-2	79.3	76.0	95.8		70.0-130
Bromomethane	74-83-9	79.3	103	130		70.0-130
Carbon Disulfide	75-15-0	79.3	62.9	79.2		70.0-130
Carbon Tetrachloride	56-23-5	79.3	84.8	107		70.0-130
Chlorobenzene	108-90-7	79.3	79.7	100		70.0-130
Chloroethane	75-00-3	79.3	91.8	116		70.0-130
Chloroform	67-66-3	79.3	76.7	96.6		70.0-130
Chloromethane	74-87-3	79.3	77.4	97.6		70.0-130
cis-1,2-Dichloroethene	156-59-2	79.3	73.4	92.5		70.0-130
cis-1,3-Dichloropropene	10061-01-5	79.3	74.8	94.2		70.0-130
Dibromochloromethane	124-48-1	79.3	75.7	95.4		70.0-130
Dibromomethane	74-95-3	79.3	67.9	85.6		70.0-130
Dichlorodifluoromethane	75-71-8	79.3	81.2	102		70.0-130
Ethylbenzene	100-41-4	79.3	75.3	94.9		70.0-130
Hexachlorobutadiene	87-68-3	79.3	73.4	92.5		70.0-130
Isopropylbenzene	98-82-8	79.3	78.7	99.2		70.0-130
m&p-Xylene	136777-61-2	159	149	93.7		70.0-130
Methylene Chloride	75-09-2	79.3	74.6	94.0		70.0-130
Methyl-tert-butyl-ether (MTBE)	1634-04-4	79.3	69.1	87.0		70.0-130

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Quality Control Results Lab Control Sample

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
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Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Lab Control Sample (AQ03592L)
Lab Sample ID: LCS-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1240-4	EPA Method 8260B	03/20/2013 10:41	SMS	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	1943	EPA 5030B-MOD	03/20/2013 10:18	SMS	5.04 g	10.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/kg)	LCS (ug/kg)	LCS % Rec.	Q ¹	Limits (%)
Naphthalene	91-20-3	79.3	75.4	95.0		70.0-130
n-Butylbenzene	104-51-8	79.3	80.2	101		70.0-130
n-Propylbenzene	103-65-1	79.3	81.2	102		70.0-130
o-Xylene	95-47-6	79.3	77.8	98.1		70.0-130
sec-Butylbenzene	135-98-8	79.3	76.3	96.2		70.0-130
Styrene	100-42-5	79.3	73.3	92.4		70.0-130
tert-Butylbenzene	98-06-6	79.3	76.6	96.5		70.0-130
Tetrachloroethene	127-18-4	79.3	78.5	99.0		70.0-130
Toluene	108-88-3	79.3	76.5	96.5		70.0-130
trans-1,2-Dichloroethene	156-60-5	79.3	73.3	92.3		70.0-130
trans-1,3-Dichloropropene	10061-02-6	79.3	73.6	92.8		70.0-130
Trichloroethene	79-01-6	79.3	75.0	94.5		70.0-130
Trichlorofluoromethane	75-69-4	79.3	78.0	98.3		70.0-130
Vinyl Acetate	108-05-4	79.3	55.8	70.4		70.0-130
Vinyl Chloride	75-01-4	79.3	77.9	98.2		70.0-130

¹Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	97.1	45.4-170		MS08-1240-4
Dibromofluoromethane	1868-53-7	96.0	79.3-122		MS08-1240-4
toluene-d8	2037-26-5	98.6	77.0-133		MS08-1240-4
1,2-Dichloroethane-d4	17060-07-0	94.5	80.9-116		MS08-1240-4

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Quality Control Results Method Blank

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Method Blank (AQ03609B)
Lab Sample ID: VBLK-93

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1: MS05-3584-6	EPA Method 8260B	03/21/2013 12:09	TJH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.00	1.00	U	MS05-3584-6
1,1,1-Trichloroethane	71-55-6	ND	1.00	1.00	U	MS05-3584-6
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.00	1.00	U	MS05-3584-6
1,1,2-Trichloroethane	79-00-5	ND	1.00	1.00	U	MS05-3584-6
1,1-Dichloroethane	75-34-3	ND	1.00	1.00	U	MS05-3584-6
1,1-Dichloroethene	75-35-4	ND	1.00	1.00	U	MS05-3584-6
1,1-Dichloropropene	563-58-6	ND	1.00	1.00	U	MS05-3584-6
1,2,3-Trichlorobenzene	87-61-6	ND	1.00	1.00	U	MS05-3584-6
1,2,3-Trichloropropane	96-18-4	ND	1.00	1.00	U	MS05-3584-6
1,2,4-Trichlorobenzene	120-82-1	ND	1.00	1.00	U	MS05-3584-6
1,2,4-Trimethylbenzene	95-63-6	ND	1.00	1.00	U	MS05-3584-6
1,2-Dibromo-3-chloropropane	96-12-8	ND	1.00	1.00	U	MS05-3584-6
1,2-Dibromoethane	106-93-4	ND	1.00	1.00	U	MS05-3584-6
1,2-Dichlorobenzene	95-50-1	ND	1.00	1.00	U	MS05-3584-6
1,2-Dichloroethane	107-06-2	ND	1.00	1.00	U	MS05-3584-6
1,2-Dichloropropane	78-87-5	ND	1.00	1.00	U	MS05-3584-6
1,3,5-Trimethylbenzene	108-67-8	ND	1.00	1.00	U	MS05-3584-6
1,3-Dichlorobenzene	541-73-1	ND	1.00	1.00	U	MS05-3584-6
1,3-Dichloropropane	142-28-9	ND	1.00	1.00	U	MS05-3584-6
1,4-Dichlorobenzene	106-46-7	ND	1.00	1.00	U	MS05-3584-6
2,2-Dichloropropane	594-20-7	ND	1.00	1.00	U	MS05-3584-6
2-Butanone	78-93-3	ND	1.00	1.00	U	MS05-3584-6
2-Chlorotoluene	95-49-8	ND	1.00	1.00	U	MS05-3584-6
2-Hexanone	591-78-6	ND	1.00	1.00	U	MS05-3584-6
4-Chlorotoluene	106-43-4	ND	1.00	1.00	U	MS05-3584-6
4-Isopropyltoluene	99-87-6	ND	1.00	1.00	U	MS05-3584-6
4-Methyl-2-pentanone	108-10-1	ND	1.00	1.00	U	MS05-3584-6
Acetone	67-64-1	ND	5.00	1.00	U	MS05-3584-6
Benzene	71-43-2	ND	1.00	1.00	U	MS05-3584-6
Bromobenzene	108-86-1	ND	1.00	1.00	U	MS05-3584-6
Bromochloromethane	74-97-5	ND	1.00	1.00	U	MS05-3584-6
Bromodichloromethane	75-27-4	ND	1.00	1.00	U	MS05-3584-6
Bromoform	75-25-2	ND	1.00	1.00	U	MS05-3584-6
Bromomethane	74-83-9	ND	1.00	1.00	U	MS05-3584-6
Carbon disulfide	75-15-0	ND	1.00	1.00	U	MS05-3584-6
Carbon tetrachloride	56-23-5	ND	1.00	1.00	U	MS05-3584-6
Chlorobenzene	108-90-7	ND	1.00	1.00	U	MS05-3584-6
Chloroethane	75-00-3	ND	1.00	1.00	U	MS05-3584-6
Chloroform	67-66-3	ND	1.00	1.00	U	MS05-3584-6
Chloromethane	74-87-3	ND	1.00	1.00	U	MS05-3584-6
cis-1,2-Dichloroethene	156-59-2	ND	1.00	1.00	U	MS05-3584-6
cis-1,3-Dichloropropene	10061-01-5	ND	1.00	1.00	U	MS05-3584-6
Dibromochloromethane	124-48-1	ND	1.00	1.00	U	MS05-3584-6
Dibromomethane	74-95-3	ND	1.00	1.00	U	MS05-3584-6
Dichlorodifluoromethane	75-71-8	ND	1.00	1.00	U	MS05-3584-6
Ethylbenzene	100-41-4	ND	1.00	1.00	U	MS05-3584-6
Hexachlorobutadiene	87-68-3	ND	1.00	1.00	U	MS05-3584-6
Isopropylbenzene	98-82-8	ND	1.00	1.00	U	MS05-3584-6

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Quality Control Results Method Blank

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Method Blank (AQ03609B)
Lab Sample ID: VBLK-93

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1: MS05-3584-6	EPA Method 8260B	03/21/2013 12:09	TJH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
m&p-Xylene	136777-61-2	ND	1.00	1.00	U	MS05-3584-6
Methylene chloride	75-09-2	ND	1.00	1.00	U	MS05-3584-6
MTBE	1634-04-4	ND	1.00	1.00	U	MS05-3584-6
Naphthalene	91-20-3	ND	1.00	1.00	U	MS05-3584-6
n-Butylbenzene	104-51-8	ND	1.00	1.00	U	MS05-3584-6
n-Propylbenzene	103-65-1	ND	1.00	1.00	U	MS05-3584-6
o-Xylene	95-47-6	ND	1.00	1.00	U	MS05-3584-6
sec-Butylbenzene	135-98-8	ND	1.00	1.00	U	MS05-3584-6
Styrene	100-42-5	ND	1.00	1.00	U	MS05-3584-6
tert-Butylbenzene	98-06-6	ND	1.00	1.00	U	MS05-3584-6
Tetrachloroethene	127-18-4	ND	1.00	1.00	U	MS05-3584-6
Toluene	108-88-3	ND	1.00	1.00	U	MS05-3584-6
trans-1,2-Dichloroethene	156-60-5	ND	1.00	1.00	U	MS05-3584-6
trans-1,3-Dichloropropene	10061-02-6	ND	1.00	1.00	U	MS05-3584-6
Trichloroethene	79-01-6	ND	1.00	1.00	U	MS05-3584-6
Trichlorofluoromethane	75-69-4	ND	1.00	1.00	U	MS05-3584-6
Vinyl acetate	108-05-4	ND	1.00	1.00	U	MS05-3584-6
Vinyl chloride	75-01-4	ND	1.00	1.00	U	MS05-3584-6

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	100	82.1-126		MS05-3584-6
Dibromofluoromethane	1868-53-7	100	90.4-109		MS05-3584-6
Toluene-d8	2037-26-5	107	87.8-111		MS05-3584-6
1,2-Dichloroethane-d4	17060-07-0	104	85.9-111		MS05-3584-6

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Quality Control Results Lab Control Sample

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
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Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Lab Control Sample (AQ03609L)
Lab Sample ID: LCS-92

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column	
Analysis 1:	MS05-3584-4	EPA Method 8260B	03/21/2013 10:23	TJH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm

Analyte Spiked	CAS No.	Added (ug/L)	LCS (ug/L)	LCS % Rec.	Q ¹	Limits (%)
1,1,1,2-Tetrachloroethane	630-20-6	40.0	44.0	110		70.0-130
1,1,1-Trichloroethane	71-55-6	40.0	44.4	111		70.0-130
1,1,2,2-Tetrachloroethane	79-34-5	40.0	40.2	101		70.0-130
1,1,2-Trichloroethane	79-00-5	40.0	44.1	110		70.0-130
1,1-Dichloroethane	75-34-3	40.0	44.4	111		70.0-130
1,1-Dichloroethene	75-35-4	40.0	44.2	110		70.0-130
1,1-Dichloropropene	563-58-6	40.0	43.0	108		70.0-130
1,2,3-Trichlorobenzene	87-61-6	40.0	47.4	119		70.0-130
1,2,3-Trichloropropane	96-18-4	40.0	47.8	119		70.0-130
1,2,4-Trichlorobenzene	120-82-1	40.0	46.4	116		70.0-130
1,2,4-Trimethylbenzene	95-63-6	40.0	47.6	119		70.0-130
1,2-Dibromo-3-chloropropane	96-12-8	40.0	39.3	98.2		70.0-130
1,2-Dibromoethane	106-93-4	40.0	44.1	110		70.0-130
1,2-Dichlorobenzene	95-50-1	40.0	45.7	114		70.0-130
1,2-Dichloroethane	107-06-2	40.0	41.4	104		70.0-130
1,2-Dichloropropane	78-87-5	40.0	40.0	100		70.0-130
1,3,5-Trimethylbenzene	108-67-8	40.0	48.1	120		70.0-130
1,3-Dichlorobenzene	541-73-1	40.0	47.6	119		70.0-130
1,3-Dichloropropane	142-28-9	40.0	42.6	106		70.0-130
1,4-Dichlorobenzene	106-46-7	40.0	46.6	117		70.0-130
2,2-Dichloropropane	594-20-7	40.0	43.5	109		70.0-130
2-Butanone	78-93-3	40.0	40.6	102		70.0-130
2-Chlorotoluene	95-49-8	40.0	44.1	110		70.0-130
2-Hexanone	591-78-6	40.0	45.0	112		70.0-130
4-Chlorotoluene	106-43-4	40.0	46.6	116		70.0-130
4-Isopropyltoluene	99-87-6	40.0	47.2	118		70.0-130
4-Methyl-2-pentanone	108-10-1	40.0	40.5	101		70.0-130
Acetone	67-64-1	40.0	45.2	113		70.0-130
Benzene	71-43-2	40.0	41.7	104		70.0-130
Bromobenzene	108-86-1	40.0	44.5	111		70.0-130
Bromochloromethane	74-97-5	40.0	41.2	103		70.0-130
Bromodichloromethane	75-27-4	40.0	41.4	103		70.0-130
Bromoform	75-25-2	40.0	44.5	111		70.0-130
Bromomethane	74-83-9	40.0	36.8	92.0		70.0-130
Carbon disulfide	75-15-0	40.0	43.5	109		70.0-130
Carbon tetrachloride	56-23-5	40.0	44.1	110		70.0-130
Chlorobenzene	108-90-7	40.0	43.9	110		70.0-130
Chloroethane	75-00-3	40.0	37.0	92.6		70.0-130
Chloroform	67-66-3	40.0	41.1	103		70.0-130
Chloromethane	74-87-3	40.0	37.7	94.2		70.0-130
cis-1,2-Dichloroethene	156-59-2	40.0	42.2	106		70.0-130
cis-1,3-Dichloropropene	10061-01-5	40.0	42.2	105		70.0-130
Dibromochloromethane	124-48-1	40.0	43.3	108		70.0-130
Dibromomethane	74-95-3	40.0	41.3	103		70.0-130
Dichlorodifluoromethane	75-71-8	40.0	34.6	86.6		70.0-130
Ethylbenzene	100-41-4	40.0	44.5	111		70.0-130
Hexachlorobutadiene	87-68-3	40.0	51.9	130		70.0-130
Isopropylbenzene	98-82-8	40.0	44.8	112		70.0-130
m&p-Xylene	136777-61-2	80.0	86.5	108		70.0-130
Methylene chloride	75-09-2	40.0	47.3	118		70.0-130
MTBE	1634-04-4	40.0	39.3	98.2		70.0-130
Naphthalene	91-20-3	40.0	47.2	118		70.0-130
n-Butylbenzene	104-51-8	40.0	45.7	114		70.0-130

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Quality Control Results Lab Control Sample

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Lab Control Sample (AQ03609L)
Lab Sample ID: LCS-92

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS05-3584-4	EPA Method 8260B	03/21/2013 10:23	TJH	NA	NA

Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm

Analyte Spiked	CAS No.	Added (ug/L)	LCS (ug/L)	LCS % Rec.	Q ¹	Limits (%)
n-Propylbenzene	103-65-1	40.0	48.6	122		70.0-130
o-Xylene	95-47-6	40.0	44.9	112		70.0-130
sec-Butylbenzene	135-98-8	40.0	47.6	119		70.0-130
Styrene	100-42-5	40.0	45.0	112		70.0-130
tert-Butylbenzene	98-06-6	40.0	51.6	129		70.0-130
Tetrachloroethene	127-18-4	40.0	47.9	120		70.0-130
Toluene	108-88-3	40.0	44.4	111		70.0-130
trans-1,2-Dichloroethene	156-60-5	40.0	42.7	107		70.0-130
trans-1,3-Dichloropropene	10061-02-6	40.0	45.6	114		70.0-130
Trichloroethene	79-01-6	40.0	44.0	110		70.0-130
Trichlorofluoromethane	75-69-4	40.0	35.5	88.7		70.0-130
Vinyl acetate	108-05-4	40.0	41.1	103		70.0-130
Vinyl chloride	75-01-4	40.0	33.3	83.3		70.0-130

¹Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	106	82.1-126		MS05-3584-4
Dibromofluoromethane	1868-53-7	99.4	90.4-109		MS05-3584-4
Toluene-d8	2037-26-5	98.3	87.8-111		MS05-3584-4
1,2-Dichloroethane-d4	17060-07-0	97.6	85.9-111		MS05-3584-4

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Quality Control Results Method Blank

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Method Blank (AQ03584B)
Lab Sample ID: SBLK-02

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS04-813-3	EPA Method 8270C	03/21/2013 09:24	RMS	NA	NA	Varian, VF-5MS, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21597	EPA 3545	03/18/2013 15:26	CAP	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
2-Methylnaphthalene	91-57-6	ND	166	1.00	U	MS04-813-3
Acenaphthene	83-32-9	ND	166	1.00	U	MS04-813-3
Acenaphthylene	208-96-8	ND	166	1.00	U	MS04-813-3
Anthracene	120-12-7	ND	166	1.00	U	MS04-813-3
Benzo(a)anthracene	56-55-3	ND	166	1.00	U	MS04-813-3
Benzo(a)pyrene	50-32-8	ND	166	1.00	U	MS04-813-3
Benzo(b)fluoranthene	205-99-2	ND	166	1.00	U	MS04-813-3
Benzo(g,h,i)perylene	191-24-2	ND	166	1.00	U	MS04-813-3
Benzo(k)fluoranthene	207-08-9	ND	166	1.00	U	MS04-813-3
Chrysene	218-01-9	ND	166	1.00	U	MS04-813-3
Dibenz(a,h)anthracene	53-70-3	ND	166	1.00	U	MS04-813-3
Fluoranthene	206-44-0	ND	166	1.00	U	MS04-813-3
Fluorene	86-73-7	ND	166	1.00	U	MS04-813-3
Indeno(1,2,3-cd)pyrene	193-39-5	ND	166	1.00	U	MS04-813-3
Naphthalene	91-20-3	ND	166	1.00	U	MS04-813-3
Phenanthrene	85-01-8	ND	166	1.00	U	MS04-813-3
Pyrene	129-00-0	ND	166	1.00	U	MS04-813-3

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2-Fluorobiphenyl	321-60-8	116	30.0-115	*	MS04-813-3
Terphenyl-d14	1718-51-0	60.4	18.0-137		MS04-813-3
Nitrobenzene-d5	4165-60-0	78.5	23.0-120		MS04-813-3

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Quality Control Results Lab Control Sample

Job Number: 13030160

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Lab Control Sample (AQ03584L)
Lab Sample ID: LCS-02

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS04-813-4	EPA Method 8270C	03/21/2013 09:45	RMS	NA	NA	Varian, VF-5MS, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21597	EPA 3545	03/18/2013 15:26	CAP	30.5 g	1.00 mL	NA

Analyte Spiked	CAS No.	Added (ug/kg)	LCS (ug/kg)	LCS % Rec.	Q ¹	Limits (%)
Acenaphthene	83-32-9	3280	2660	81.1		33.0-117
Acenaphthylene	208-96-8	3280	2640	80.6		36.0-112
Anthracene	120-12-7	3280	3040	92.8		33.0-125
Benzo(a)anthracene	56-55-3	3280	5290	161	*	41.0-127
Benzo(a)pyrene	50-32-8	3280	3320	101		27.0-127
Benzo(b)fluoranthene	205-99-2	3280	2840	86.6		36.0-126
Benzo(g,h,i)perylene	191-24-2	3280	2790	85.0		25.0-120
Benzo(k)fluoranthene	207-08-9	3280	3580	109		44.0-125
Chrysene	218-01-9	3280	4040	123		41.0-123
Dibenz(a,h)anthracene	53-70-3	3280	2580	78.8		35.0-118
Fluoranthene	206-44-0	3280	3100	94.4		33.0-118
Fluorene	86-73-7	3280	2360	72.0		29.0-120
Indeno(1,2,3-cd)pyrene	193-39-5	3280	2880	88.0		35.0-113
Naphthalene	91-20-3	3280	2560	78.1		24.0-119
Phenanthrene	85-01-8	3280	2640	80.6		41.0-118
Pyrene	129-00-0	3280	3510	107		42.0-122

¹Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2-Fluorobiphenyl	321-60-8	96.0	30.0-115		MS04-813-4
Terphenyl-d14	1718-51-0	112	18.0-137		MS04-813-4
Nitrobenzene-d5	4165-60-0	91.3	23.0-120		MS04-813-4

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results
Method Blank**

Job Number: 13030160

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
Fax: 518.381.6055

Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Method Blank (AQ03587B)
Lab Sample ID: SBLK-05

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS04-813-9	EPA Method 8270C	03/21/2013 13:08	RMS	NA	NA	Varian, VF-5MS, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21606	EPA 3520C	03/20/2013 08:15	OCD	1000 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
2-Methylnaphthalene	91-57-6	ND	5.00	1.00	U	MS04-813-9
Acenaphthene	83-32-9	ND	5.00	1.00	U	MS04-813-9
Acenaphthylene	208-96-8	ND	5.00	1.00	U	MS04-813-9
Anthracene	120-12-7	ND	5.00	1.00	U	MS04-813-9
Benzo(a)anthracene	56-55-3	ND	5.00	1.00	U	MS04-813-9
Benzo(a)pyrene	50-32-8	ND	5.00	1.00	U	MS04-813-9
Benzo(b)fluoranthene	205-99-2	ND	5.00	1.00	U	MS04-813-9
Benzo(g,h,i)perylene	191-24-2	ND	5.00	1.00	U	MS04-813-9
Benzo(k)fluoranthene	207-08-9	ND	5.00	1.00	U	MS04-813-9
Chrysene	218-01-9	ND	5.00	1.00	U	MS04-813-9
Dibenz(a,h)anthracene	53-70-3	ND	5.00	1.00	U	MS04-813-9
Fluoranthene	206-44-0	ND	5.00	1.00	U	MS04-813-9
Fluorene	86-73-7	ND	5.00	1.00	U	MS04-813-9
Indeno(1,2,3-cd)pyrene	193-39-5	ND	5.00	1.00	U	MS04-813-9
Naphthalene	91-20-3	ND	5.00	1.00	U	MS04-813-9
Phenanthrene	85-01-8	ND	5.00	1.00	U	MS04-813-9
Pyrene	129-00-0	ND	5.00	1.00	U	MS04-813-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2-Fluorobiphenyl	321-60-8	85.4	30.0-115		MS04-813-9
Terphenyl-d14	1718-51-0	81.0	18.0-137		MS04-813-9
Nitrobenzene-d5	4165-60-0	106	23.0-120		MS04-813-9

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Quality Control Results
Lab Control Sample
Job Number: 13030160

Pace Analytical Services, Inc.
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Client: PACE ANALYTICAL SERVICES, INC.
Project: EFI - AFS Market
Client Sample ID: Lab Control Sample (AQ03587L)
Lab Sample ID: LCS-05

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS04-813-10	EPA Method 8270C	03/21/2013 13:29	RMS	NA	NA	Varian, VF-5MS, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21606	EPA 3520C	03/20/2013 08:15	OCD	1000 mL	1.00 mL	NA

Analyte Spiked	CAS No.	Added (ug/L)	LCS (ug/L)	LCS % Rec.	Q ¹	Limits (%)
Acenaphthene	83-32-9	100	79.0	79.0		33.0-117
Acenaphthylene	208-96-8	100	77.8	77.8		36.0-112
Anthracene	120-12-7	100	90.1	90.1		33.0-125
Benzo(a)anthracene	56-55-3	100	139	139	*	41.0-127
Benzo(a)pyrene	50-32-8	100	103	103		27.0-127
Benzo(b)fluoranthene	205-99-2	100	87.4	87.4		36.0-126
Benzo(g,h,i)perylene	191-24-2	100	94.1	94.1		25.0-120
Benzo(k)fluoranthene	207-08-9	100	101	101		44.0-125
Chrysene	218-01-9	100	96.2	96.2		41.0-123
Dibenz(a,h)anthracene	53-70-3	100	85.9	85.9		35.0-118
Fluoranthene	206-44-0	100	93.7	93.7		33.0-118
Fluorene	86-73-7	100	62.6	62.6		29.0-120
Indeno(1,2,3-cd)pyrene	193-39-5	100	95.2	95.2		35.0-113
Naphthalene	91-20-3	100	79.1	79.1		24.0-119
Phenanthrene	85-01-8	100	98.2	98.2		41.0-118
Pyrene	129-00-0	100	89.8	89.8		42.0-122

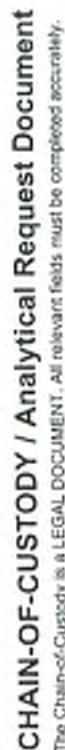
¹Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2-Fluorobiphenyl	321-60-8	94.4	30.0-115		MS04-813-10
Terphenyl-d14	1718-51-0	104	18.0-137		MS04-813-10
Nitrobenzene-d5	4165-60-0	96.5	23.0-120		MS04-813-10

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	EF1 GLOBAL	Report To:	SAME	Invoice:	
Address:		Copy To:	BODNARUKCONSULTING	Attention:	
	JOHN BURKART		VERIZON.NET	Company Name:	
	Email To: EF1GLOBAL.COM	Purchase Order No.:	94205-04869.1	Address:	
Phone:		Project Name:	AFS MARKER	Price Quote Reference:	
Fax:		Project Number:	94205-04869.1	Price Project Manager:	
Requested Due Date/TAT:				Price Profile #:	

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1696296

AGENCY

NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐

UST ☐ RCRA ☐ OTHER ☐

Site Location

STATE: _____

[illegible]