



Gannett Fleming

Excellence Delivered *As Promised*

May 16, 2017
File #34283.000

Mr. Howard Caine – SR-6J
Remedial Project Manager
Waste Management Division
USEPA Region V
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Re: Groundwater Analytical Results for 1,4-Dioxane at NPI
USEPA CERCLIS ID WID006196174
WDNR BRRTS 02-09-000267 and FID 609038320

Dear Howard:

On behalf of National Presto Industries, Inc. (NPI), Gannett Fleming, Inc. (GF) is submitting this letter report summarizing groundwater analytical results for 1,4-dioxane at the NPI site in Eau Claire, Wisconsin. Collection of groundwater samples for 1,4-dioxane analysis was done at the request of the United States Environmental Protection Agency (USEPA).

Pertinent Background Information

The two volatile organic compounds (VOCs) of primary concern at the site are trichloroethylene (TCE) and 1,1,1-trichloroethane (TCA) based on historical groundwater impacts. In 2016, the USEPA identified 1,4-dioxane as a possible co-contaminant in some chlorinated solvents because of its historical use as a stabilizer. To address this concern and at the request of the USEPA, NPI retained GF to collect a representative group of groundwater samples for analysis of 1,4-dioxane from select:

- On-site wells/piezometers downgradient from the known chlorinated compound source areas in the Southwest Corner, including former Lagoon #1, the MW-34/70 degreaser sludge area, and beneath the main building.
- Off-site wells/piezometers down the center of Plume 1/2 from the east side of North Hasting Way to the Eau Claire Municipal Well Field (ECMWF).

As agreed, the focus of the sampling for 1,4-dioxane analysis was on wells that have historically contained higher concentrations of TCA and/or TCE.

Gannett Fleming, Inc.

8025 Excelsior Drive, Madison, WI 53717-1900
t 608.836.1500 • f 608.831.3337

www.gannettfleming.com

Mr. Howard Caine – SR-6J
USEPA Region V
May 16, 2017

-2-

Figure 1 is a 24-inch x 36-inch area-wide map showing all the well locations where groundwater samples related to the NPI site have been collected to date. Wells that are known to have been abandoned are shaded. The figure also includes an alphanumeric grid for locating wells; June 2016 water table groundwater contours; and the approximate location of Plume 1/2 and former locations of Plume 3/4 and Plume 5, as defined by select VOCs in 1993.

1,4-Dioxane Sampling Description and Analytical Results

In August and December 2016, NPI and GF collected groundwater samples for 1,4-dioxane analysis from:

- On-site monitoring well MW-34A and piezometer MW-68B (Lagoon #1 & MW-34/70) and monitoring well MW-76A and piezometer MW-77B (source area beneath the main building).
- Off-site wells/piezometers located down Plume 1/2 (east to west), including MW-38B, RW-16, MW-52B, RW-3C, and City Well CW-19 (shown simply as “19” on Figure 1) at the ECMWF.

Again, these wells/piezometers have historically contained elevated concentrations of TCA and/or TCE, and the selected locations provide relatively equal spacing down the entire length of Plume 1/2, as shown on Figure 1. The samples were collected using agency-approved protocols and QA/QC. HydraSleeves™ were used to collect the samples from MW-34A, MW-38B, MW-52B, MW-68B, MW-76A, MW-77B, RW-3C, and RW-16. In addition, each pumped groundwater sample collected from CW-19 was “grabbed” from its sample tap. Based on monthly pumpage volumes provided by the City of Eau Claire, the average pumping rate at CW-19 was 1,580 and 1,030 gallons per minute in August and December 2016, respectively.

The samples were shipped on ice, overnight to Pace Analytical Services (Wisconsin Certification #405132750) in Green Bay, Wisconsin; Pace used EPA Method 8270C to analyze the samples for 1,4-dioxane.

Table 1 summarizes the dissolved-phase analytical results in micrograms per liter ($\mu\text{g}/\ell$) or parts per billion (ppb). As shown in Table 1:

- Lab results document that all samples had 1,4-dioxane concentrations below the limit of detection (ranging from 2.8 to 3.0 $\mu\text{g}/\ell$).

Gannett Fleming

Mr. Howard Caine – SR-6J
USEPA Region V
May 16, 2017

-3-

- No federal maximum contaminant level (MCL) has been established for 1,4-dioxane in drinking water.
- Per Wisconsin Administrative Code, the NR 140:
 - Enforcement standard (ES) for 1,4-dioxane is 3.0 µg/ℓ.
 - Preventative action limit (PAL) for 1,4-dioxane is 0.3 µg/ℓ.
- Duplicate samples were collected at CW-19 in August and December 2016. Hence, a total of 20 samples were analyzed for 1,4-dioxane.

Attachment A includes a CD with copies of the laboratory reports and chain of custody records, QA/QC packages, and data validation for the samples collected in August and December 2016.

Summary and Conclusion

Dissolved-phase analytical results document that 1,4-dioxane concentrations were below the limit of detection (ranging from 2.8 to 3.0 µg/ℓ) in 20 samples collected in August and December 2016 from a select group of wells and piezometers that define Plume 1/2 at NPI. Based on these results, we conclude that additional sampling for 1,4-dioxane analysis is not warranted.

Please let us know if you concur with our conclusion, and contact me if you have any questions or need additional information.

Sincerely,

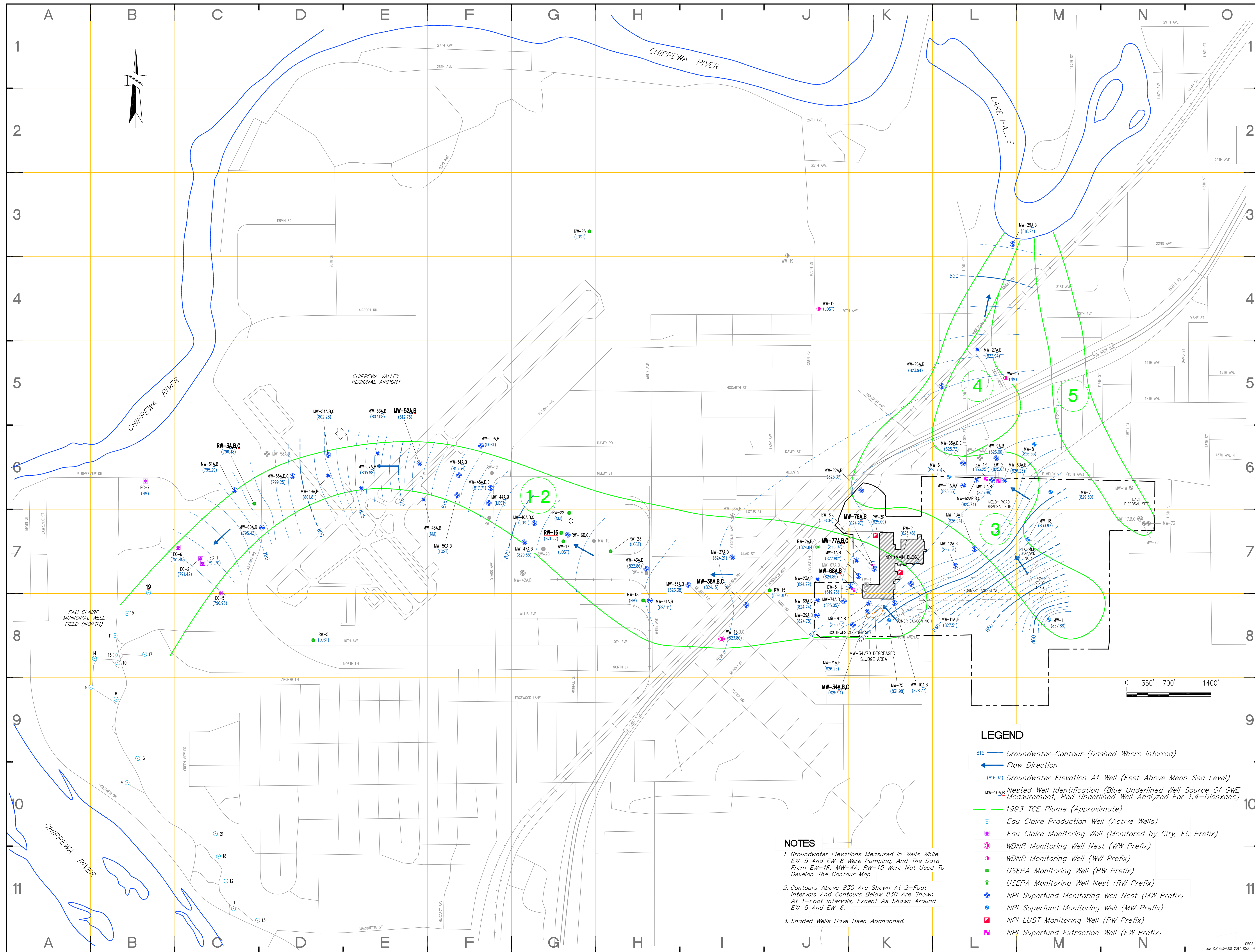
GANNETT FLEMING, INC.



Clifford C. Wright, P.E., P.G.
Project Engineer

CCW/jec/Enc.

Electronic cc: Mae Willkom (WDNR/Eau Claire)
Derrick Paul (NPI)
Dennis Kugle (Gannett Fleming)



No.	REVISIONS	DATE	BY
0	PRILIMINARY DRAFT.	05/02/17	MCM
1	FIRST DRAFT.	05/05/17	MCM

AREA SITE PLAN WITH WELL AND 1993 PLUME LOCATIONS
NATIONAL PRESTO INDUSTRIES, INC. AND
EAU CLAIRE MUNICIPAL WELL FIELD
 Eau Claire, Wisconsin



MADISON, WISCONSIN
 HARRISBURG, PENNSYLVANIA

THIS DRAWING IS AND SHALL REMAIN THE PROPERTY OF GANNETT FLEMING ENGINEERS AND PLANNERS. REUSE ON PROJECT EXTENSIONS OR ANY OTHER PROJECT, OR ALTERATIONS OR ADDITIONS TO THIS PROJECT SHALL BE AT THE USER'S SOLE RISK, AND WITHOUT LIABILITY TO GANNETT FLEMING ENGINEERS AND PLANNERS.

PROJECT
 GROUNDWATER ANALYTICAL RESULTS FOR 1,4-DIOXANE REPORT
 NATIONAL PRESTO INDUSTRIES, INC.
 Eau Claire, Wisconsin

TITLE
WATERTABLE GROUNDWATER CONTOUR MAP (JUNE 2016) WITH 1993 PLUME LOCATIONS



HARRISBURG, PENNSYLVANIA		MADISON, WISCONSIN	
DRAWN BY	MCM	SCALE	1" = 700'
DESIGNED BY	MCM	PROJECT No.	34283.000
APPROVED BY	CCW	DRAWING NO.	
DATE	MAY 2017	FIGURE 1	

- LEGEND**
- 815 — Groundwater Contour (Dashed Where Inferred)
 - ← Flow Direction
 - (816.33) Groundwater Elevation At Well (Feet Above Mean Sea Level)
 - MW-10A,B Nested Well Identification (Blue Underlined Well Source Of GWF Measurement, Red Underlined Well Analyzed For 1,4-Dioxane)
 - 1993 TCE Plume (Approximate)
 - Eau Claire Production Well (Active Wells)
 - ⊕ Eau Claire Monitoring Well (Monitored by City, EC Prefix)
 - ⊕ WDNR Monitoring Well Nest (WW Prefix)
 - ⊕ WDNR Monitoring Well (WW Prefix)
 - ⊕ USEPA Monitoring Well (RW Prefix)
 - ⊕ USEPA Monitoring Well Nest (RW Prefix)
 - ⊕ NPI Superfund Monitoring Well Nest (MW Prefix)
 - ⊕ NPI Superfund Monitoring Well (MW Prefix)
 - ⊕ NPI LUST Monitoring Well (PW Prefix)
 - ⊕ NPI Superfund Extraction Well (EW Prefix)

- NOTES**
- Groundwater Elevations Measured In Wells While EW-5 And EW-6 Were Pumping, And The Data From EW-1R, MW-4A, RW-15 Were Not Used To Develop The Contour Map.
 - Contours Above 830 Are Shown At 2-Foot Intervals And Contours Below 830 Are Shown At 1-Foot Intervals, Except As Shown Around EW-5 And EW-6.
 - Shaded Wells Have Been Abandoned.

050517
 c:_R34283-000_2017_0508_101

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

DISSOLVED-PHASE ANALYTICAL RESULTS FOR 1,4-DIOXANE (2016)

Description Date	Well/Piezometer ID								
	CW-19 ^(1,2)	MW-34A	MW-38B	MW-52B	MW-68B	MW-76A	MW-77B	RW-3C	RW-16
1,4-Dioxane Concentration									
August 2016	<2.9	<2.8	<2.8	<2.8	<2.8	<2.9	<2.8	<2.8	<2.8
December 2016	<2.8	<2.9	<2.9	<2.8	<3.0	<2.8	<2.8	<2.8	<2.8
Figure 1 Grid Location									
Not applicable	B7	K8	I8	E6	K7	K7	K7	C6	G7

NOTES:

Concentrations are in micrograms per liter ($\mu\text{g}/\ell$) or parts per billion (ppb).

No federal maximum contaminant level (MCL) has been established for 1,4-dioxane in drinking water. However, the NR 140 ES for 1,4-dioxane in groundwater is $3.0 \mu\text{g}/\ell$, and its NR 140 PAL is $0.3 \mu\text{g}/\ell$.

NR 140 ES = Wisconsin Administrative Code NR 140 Enforcement Standard.

NR 140 PAL = Wisconsin Administrative Code NR 140 Preventative Action Limit.

FOOTNOTES:

(1) CW-19 is City Well #19 in the Eau Claire Municipal Well Field and is shown simply as "19" on Figure 1. In August and December 2016, the average pumping rate at CW-19 was 1,580 and 1,030 gallons per minute, respectively.

(2) Duplicate samples were collected at CW-19, and both were non-detect for 1,4-dioxane at the concentration shown.

ATTACHMENT A

**CD WITH COPIES OF LABORATORY REPORTS AND CHAIN- OF-CUSTODY RECORDS,
QA/QC PACKAGES, AND DATA VALIDATION FOR SAMPLES COLLECTED IN
AUGUST AND DECEMBER 2016**

September 07, 2016

Project #34283.000
NPI GW (1 of 3)
Reviewed by CCW
9/10/16

Clifford Wright
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 34283.000 NAT'L PRESTO IND. (N
Pace Project No.: 40137489

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2016. 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.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 34283.000 NAT'L PRESTO IND. (N

Pace Project No.: 40137489

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NAT'L PRESTO IND. (N

Pace Project No.: 40137489

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40137489001	EW1R-76'	Water	08/29/16 12:00	08/31/16 07:30
40137489002	EW1R-86'	Water	08/29/16 12:00	08/31/16 07:30
40137489003	EW1R-96'	Water	08/29/16 12:00	08/31/16 07:30
40137489004	EW2-81'	Water	08/29/16 11:30	08/31/16 07:30
40137489005	EW2-91'	Water	08/29/16 11:30	08/31/16 07:30
40137489006	MW34A	Water	08/29/16 15:00	08/31/16 07:30
40137489007	MW34B	Water	08/29/16 14:45	08/31/16 07:30
40137489008	MW34BDUP	Water	08/29/16 14:45	08/31/16 07:30
40137489009	MW34C	Water	08/29/16 14:55	08/31/16 07:30
40137489010	MW68A	Water	08/29/16 16:00	08/31/16 07:30
40137489011	MW68ADUP	Water	08/29/16 16:00	08/31/16 07:30
40137489012	MW68B	Water	08/29/16 16:05	08/31/16 07:30
40137489013	MW70A	Water	08/29/16 14:30	08/31/16 07:30
40137489014	MW70B	Water	08/29/16 14:25	08/31/16 07:30
40137489015	MW74A	Water	08/29/16 15:55	08/31/16 07:30
40137489016	MW74B	Water	08/29/16 15:50	08/31/16 07:30
40137489018	TRIP BLANK B	Water	08/29/16 00:00	08/31/16 07:30
40137489019	EC1	Water	08/30/16 10:15	08/31/16 07:30
40137489020	EW6	Water	08/30/16 07:40	08/31/16 07:30
40137489021	MW52B	Water	08/30/16 10:50	08/31/16 07:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40137489001	EW1R-76'	EPA 8260	LAP	8	PASI-G
40137489002	EW1R-86'	EPA 8260	LAP	8	PASI-G
40137489003	EW1R-96'	EPA 8260	LAP	8	PASI-G
40137489004	EW2-81'	EPA 8260	LAP	8	PASI-G
40137489005	EW2-91'	EPA 8260	LAP	8	PASI-G
40137489006	MW34A	EPA 8270	RJN	7	PASI-G
		EPA 8260	LAP	8	PASI-G
40137489007	MW34B	EPA 8260	LAP	8	PASI-G
40137489008	MW34BDUP	EPA 8260	LAP	8	PASI-G
40137489009	MW34C	EPA 8260	LAP	8	PASI-G
40137489010	MW68A	EPA 8260	LAP	8	PASI-G
40137489011	MW68ADUP	EPA 8260	LAP	8	PASI-G
40137489012	MW68B	EPA 8270	RJN	7	PASI-G
		EPA 8260	LAP	8	PASI-G
40137489013	MW70A	EPA 8260	LAP	8	PASI-G
40137489014	MW70B	EPA 8260	LAP	8	PASI-G
40137489015	MW74A	EPA 8260	LAP	8	PASI-G
40137489016	MW74B	EPA 8260	LAP	8	PASI-G
40137489018	TRIP BLANK B	EPA 8260	LAP	8	PASI-G
40137489019	EC1	EPA 8260	LAP	8	PASI-G
40137489020	EW6	EPA 8260	LAP	8	PASI-G
40137489021	MW52B	EPA 8270	RJN	7	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40137489006	MW34A					
EPA 8260	1,1-Dichloroethane	0.50J	ug/L	1.0	09/01/16 14:30	
40137489012	MW68B					
EPA 8260	1,1-Dichloroethane	0.25J	ug/L	1.0	09/01/16 16:46	
40137489013	MW70A					
EPA 8260	1,1-Dichloroethane	0.45J	ug/L	1.0	09/01/16 17:08	
EPA 8260	Trichloroethene	0.55J	ug/L	1.0	09/01/16 17:08	
40137489019	EC1					
EPA 8260	Trichloroethene	0.43J	ug/L	1.0	09/01/16 12:37	
40137489020	EW6					
EPA 8260	1,1,1-Trichloroethane	1.1	ug/L	1.0	09/01/16 19:01	
EPA 8260	Trichloroethene	0.73J	ug/L	1.0	09/01/16 19:01	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: September 07, 2016

General Information:

3 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 233862

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NAT'L PRESTO IND. (N

Pace Project No.: 40137489

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: September 07, 2016

General Information:

19 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW1R-76' **Lab ID:** 40137489001 Collected: 08/29/16 12:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 18:39	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 18:39	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 18:39	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 18:39	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 18:39	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/01/16 18:39	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		09/01/16 18:39	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/01/16 18:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW1R-86' **Lab ID:** 40137489002 Collected: 08/29/16 12:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 13:00	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 13:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 13:00	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 13:00	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 13:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/01/16 13:00	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 13:00	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/01/16 13:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW1R-96' **Lab ID:** 40137489003 Collected: 08/29/16 12:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 13:22	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 13:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 13:22	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 13:22	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 13:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/01/16 13:22	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		09/01/16 13:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 13:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW2-81' **Lab ID: 40137489004** Collected: 08/29/16 11:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 13:45	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 13:45	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 13:45	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 13:45	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 13:45	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		09/01/16 13:45	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		09/01/16 13:45	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		09/01/16 13:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW2-91' **Lab ID: 40137489005** Collected: 08/29/16 11:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 14:08	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 14:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 14:08	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 14:08	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 14:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/01/16 14:08	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		09/01/16 14:08	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/01/16 14:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW34A **Lab ID: 40137489006** Collected: 08/29/16 15:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/01/16 09:15	09/02/16 12:35	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	09/01/16 09:15	09/02/16 12:35	4165-60-0	
2-Fluorobiphenyl (S)	74	%	41-130		1	09/01/16 09:15	09/02/16 12:35	321-60-8	
Terphenyl-d14 (S)	80	%	49-130		1	09/01/16 09:15	09/02/16 12:35	1718-51-0	
Phenol-d6 (S)	30	%	15-130		1	09/01/16 09:15	09/02/16 12:35	13127-88-3	
2-Fluorophenol (S)	50	%	27-130		1	09/01/16 09:15	09/02/16 12:35	367-12-4	
2,4,6-Tribromophenol (S)	83	%	42-140		1	09/01/16 09:15	09/02/16 12:35	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 14:30	71-55-6	
1,1-Dichloroethane	0.50J	ug/L	1.0	0.24	1		09/01/16 14:30	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 14:30	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 14:30	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 14:30	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/01/16 14:30	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 14:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 14:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

Sample: MW34B **Lab ID: 40137489007** Collected: 08/29/16 14:45 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 14:53	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 14:53	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 14:53	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 14:53	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 14:53	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/01/16 14:53	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		09/01/16 14:53	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/01/16 14:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW34BDUP **Lab ID: 40137489008** Collected: 08/29/16 14:45 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 15:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 15:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 15:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 15:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 15:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		09/01/16 15:16	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		09/01/16 15:16	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 15:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW34C **Lab ID: 40137489009** Collected: 08/29/16 14:55 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 15:38	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 15:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 15:38	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 15:38	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 15:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/01/16 15:38	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 15:38	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 15:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW68A **Lab ID: 40137489010** Collected: 08/29/16 16:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 16:01	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 16:01	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 16:01	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 16:01	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 16:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/01/16 16:01	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 16:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 16:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW68ADUP **Lab ID: 40137489011** Collected: 08/29/16 16:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 16:23	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 16:23	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 16:23	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 16:23	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 16:23	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/01/16 16:23	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 16:23	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 16:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW68B **Lab ID: 40137489012** Collected: 08/29/16 16:05 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/01/16 09:15	09/02/16 12:56	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	74	%	43-130		1	09/01/16 09:15	09/02/16 12:56	4165-60-0	
2-Fluorobiphenyl (S)	74	%	41-130		1	09/01/16 09:15	09/02/16 12:56	321-60-8	
Terphenyl-d14 (S)	73	%	49-130		1	09/01/16 09:15	09/02/16 12:56	1718-51-0	
Phenol-d6 (S)	26	%	15-130		1	09/01/16 09:15	09/02/16 12:56	13127-88-3	
2-Fluorophenol (S)	40	%	27-130		1	09/01/16 09:15	09/02/16 12:56	367-12-4	
2,4,6-Tribromophenol (S)	62	%	42-140		1	09/01/16 09:15	09/02/16 12:56	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 16:46	71-55-6	
1,1-Dichloroethane	0.25J	ug/L	1.0	0.24	1		09/01/16 16:46	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 16:46	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 16:46	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 16:46	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		09/01/16 16:46	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 16:46	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/01/16 16:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

Sample: MW70A **Lab ID: 40137489013** Collected: 08/29/16 14:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 17:08	71-55-6	
1,1-Dichloroethane	0.45J	ug/L	1.0	0.24	1		09/01/16 17:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 17:08	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 17:08	127-18-4	
Trichloroethene	0.55J	ug/L	1.0	0.33	1		09/01/16 17:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		09/01/16 17:08	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 17:08	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 17:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW70B **Lab ID: 40137489014** Collected: 08/29/16 14:25 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 17:31	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 17:31	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 17:31	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 17:31	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 17:31	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		09/01/16 17:31	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/01/16 17:31	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/01/16 17:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW74A **Lab ID: 40137489015** Collected: 08/29/16 15:55 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 17:54	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 17:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 17:54	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 17:54	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 17:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		09/01/16 17:54	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 17:54	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/01/16 17:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW74B **Lab ID: 40137489016** Collected: 08/29/16 15:50 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 18:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 18:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 18:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 18:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 18:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		09/01/16 18:16	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		09/01/16 18:16	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/01/16 18:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: TRIP BLANK B **Lab ID: 40137489018** Collected: 08/29/16 00:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 19:24	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 19:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 19:24	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 19:24	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 19:24	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		09/01/16 19:24	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 19:24	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		09/01/16 19:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EC1 **Lab ID: 40137489019** Collected: 08/30/16 10:15 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 12:37	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 12:37	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 12:37	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 12:37	127-18-4	
Trichloroethene	0.43J	ug/L	1.0	0.33	1		09/01/16 12:37	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/01/16 12:37	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		09/01/16 12:37	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 12:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW6 **Lab ID: 40137489020** Collected: 08/30/16 07:40 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.1	ug/L	1.0	0.50	1		09/01/16 19:01	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 19:01	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 19:01	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 19:01	127-18-4	
Trichloroethene	0.73J	ug/L	1.0	0.33	1		09/01/16 19:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		09/01/16 19:01	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		09/01/16 19:01	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/01/16 19:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW52B **Lab ID: 40137489021** Collected: 08/30/16 10:50 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/01/16 09:15	09/02/16 12:24	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	68	%	43-130		1	09/01/16 09:15	09/02/16 12:24	4165-60-0	
2-Fluorobiphenyl (S)	54	%	41-130		1	09/01/16 09:15	09/02/16 12:24	321-60-8	
Terphenyl-d14 (S)	57	%	49-130		1	09/01/16 09:15	09/02/16 12:24	1718-51-0	
Phenol-d6 (S)	28	%	15-130		1	09/01/16 09:15	09/02/16 12:24	13127-88-3	
2-Fluorophenol (S)	38	%	27-130		1	09/01/16 09:15	09/02/16 12:24	367-12-4	
2,4,6-Tribromophenol (S)	50	%	42-140		1	09/01/16 09:15	09/02/16 12:24	118-79-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

QC Batch:	233853	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40137489001, 40137489002, 40137489003, 40137489004, 40137489005, 40137489006, 40137489007, 40137489008, 40137489009, 40137489010, 40137489011, 40137489012, 40137489013, 40137489014, 40137489015, 40137489016, 40137489018, 40137489019, 40137489020		

METHOD BLANK:	1385225	Matrix:	Water
Associated Lab Samples:	40137489001, 40137489002, 40137489003, 40137489004, 40137489005, 40137489006, 40137489007, 40137489008, 40137489009, 40137489010, 40137489011, 40137489012, 40137489013, 40137489014, 40137489015, 40137489016, 40137489018, 40137489019, 40137489020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/01/16 08:29	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/01/16 08:29	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/01/16 08:29	
Tetrachloroethene	ug/L	<0.50	1.0	09/01/16 08:29	
Trichloroethene	ug/L	<0.33	1.0	09/01/16 08:29	
4-Bromofluorobenzene (S)	%	90	70-130	09/01/16 08:29	
Dibromofluoromethane (S)	%	97	70-130	09/01/16 08:29	
Toluene-d8 (S)	%	93	70-130	09/01/16 08:29	

LABORATORY CONTROL SAMPLE: 1385226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.8	100	70-131	
1,1-Dichloroethane	ug/L	50	51.0	102	70-133	
1,1-Dichloroethene	ug/L	50	50.5	101	70-130	
Tetrachloroethene	ug/L	50	54.2	108	70-138	
Trichloroethene	ug/L	50	52.8	106	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1385227 1385228

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40137489019 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	49.9	48.9	100	98	70-134	2	20
1,1-Dichloroethane	ug/L	<0.24	50	50	50.2	50.1	100	100	70-134	0	20
1,1-Dichloroethene	ug/L	<0.41	50	50	49.1	50.0	98	100	68-136	2	20
Tetrachloroethene	ug/L	<0.50	50	50	53.7	53.9	107	108	70-148	0	20
Trichloroethene	ug/L	0.43J	50	50	57.6	54.8	114	109	70-131	5	20
4-Bromofluorobenzene (S)	%						107	107	70-130		
Dibromofluoromethane (S)	%						98	101	70-130		
Toluene-d8 (S)	%						102	103	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

QC Batch: 233862

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 40137489006, 40137489012, 40137489021

METHOD BLANK: 1385256

Matrix: Water

Associated Lab Samples: 40137489006, 40137489012, 40137489021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	09/02/16 10:05	
2,4,6-Tribromophenol (S)	%	81	42-140	09/02/16 10:05	
2-Fluorobiphenyl (S)	%	78	41-130	09/02/16 10:05	
2-Fluorophenol (S)	%	57	27-130	09/02/16 10:05	
Nitrobenzene-d5 (S)	%	84	43-130	09/02/16 10:05	
Phenol-d6 (S)	%	35	15-130	09/02/16 10:05	
Terphenyl-d14 (S)	%	93	49-130	09/02/16 10:05	

LABORATORY CONTROL SAMPLE & LCSD: 1385257

1385258

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4,6-Tribromophenol (S)	%				76	78	42-140			
2-Fluorobiphenyl (S)	%				83	78	41-130			
2-Fluorophenol (S)	%				52	48	27-130			
Nitrobenzene-d5 (S)	%				80	76	43-130			
Phenol-d6 (S)	%				32	32	15-130			
Terphenyl-d14 (S)	%				78	80	49-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 233952

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40137489006	MW34A	EPA 3510	233862	EPA 8270	233952
40137489012	MW68B	EPA 3510	233862	EPA 8270	233952
40137489021	MW52B	EPA 3510	233862	EPA 8270	233952
40137489001	EW1R-76'	EPA 8260	233853		
40137489002	EW1R-86'	EPA 8260	233853		
40137489003	EW1R-96'	EPA 8260	233853		
40137489004	EW2-81'	EPA 8260	233853		
40137489005	EW2-91'	EPA 8260	233853		
40137489006	MW34A	EPA 8260	233853		
40137489007	MW34B	EPA 8260	233853		
40137489008	MW34BDUP	EPA 8260	233853		
40137489009	MW34C	EPA 8260	233853		
40137489010	MW68A	EPA 8260	233853		
40137489011	MW68ADUP	EPA 8260	233853		
40137489012	MW68B	EPA 8260	233853		
40137489013	MW70A	EPA 8260	233853		
40137489014	MW70B	EPA 8260	233853		
40137489015	MW74A	EPA 8260	233853		
40137489016	MW74B	EPA 8260	233853		
40137489018	TRIP BLANK B	EPA 8260	233853		
40137489019	EC1	EPA 8260	233853		
40137489020	EW6	EPA 8260	233853		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Dave Olig
 Phone: 608-836-4500
 Project Number: 31283.000
 Project Name: Natl Presto Ind (NPI)
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): Chelsea Payne
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40137484

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO)
 PRESERVATION (CODE)*

Y/N	N	N																	
Pick Letter	B	A																	
Analyses Requested																			

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	EWIR-76'	8-29-16	12:00	GW
002	EWIR-86'		12:00	
003	EWIR-96'		12:00	
004	EW 2-81'		11:30	
005	EW 2-91'		11:30	
006	MW 34 A		15:00	
007	MW 34 B		14:45	
008	MW 34 B dup		14:45	
009	MW 34 C		14:55	
010	MW 68 A		16:00	
011	MW 68 B dup		16:00	
012	MW 68 B		16:05	
013	MW 70 A		14:30	

Quote #: _____

Mail To Contact: Dave Olig

Mail To Company: Gannett Fleming

Mail To Address: 8025 Excelsior Dr
Madison, WI 53717

Invoice To Contact: See

Invoice To Company: See

Invoice To Address: mail to

Invoice To Phone: 608-836-1500

CLIENT COMMENTS 3-40ml vB

LAB COMMENTS (Lab Use Only) 2-1Lag^A

(2 vials only (vials)) 2-40ml vB
2-1Lag^A

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):

Relinquished By: Chelsea Payne **Date/Time:** 8-30-16 14:00

Relinquished By: Durham **Date/Time:** 8-31-16 0730

Relinquished By: _____ **Date/Time:** _____

Relinquished By: _____ **Date/Time:** _____

Relinquished By: _____ **Date/Time:** _____

Received By: _____ **Date/Time:** _____

Received By: Susan W. Paul **Date/Time:** 8/31/16 0730

Received By: _____ **Date/Time:** _____

Received By: _____ **Date/Time:** _____

Received By: _____ **Date/Time:** _____

PACE Project No. 40137484

Receipt Temp = ROT

Sample Receipt pH _____

OK / Adjusted _____

Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: Gannett Fleming

Branch/Location: _____

Project Contact: See pg 1

Phone: _____

Project Number: 34283.000

Project Name: NPI

Project State: _____

Sampled By (Print): _____

Sampled By (Sign): _____



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)

 PRESERVATION
(CODE)*

Y / N	Pick Letter	Analysis Requested	Matrix
N	B	NOC NPI Short List 14 Diethylene	GW
N	A		

Quote #: _____

Mail To Contact: _____

Mail To Company: _____

Mail To Address: See pg 1

Invoice To Contact: _____

Invoice To Company: _____

Invoice To Address: _____

Invoice To Phone: _____

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
3-40ml v B		
2-40ml v B		
9-40ml v B	2-40ml v B	
3-40ml v B		
	2-1 Lag ^A	

Data Package Options (billable)

EPA Level III

EPA Level IV

MS/MSD

On your sample (billable)

NOT needed on your sample

Matrix Codes

A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
014	MW 70B	8-29-16	14:25	GW
015	MW 74A		15:55	
016	MW 74B		15:50	
017	Trip Blank A			
018	Trip Blank B			
019	EC 1	8:30	10:15	
	EC1 MS	"	10:15	
	EC1 MSD	"	10:15	
020	EW 6	"	7:40	
021	MW 52B	"	10:50	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):

Relinquished By: <u>Chelsea Payne</u>	Date/Time: <u>8-30-16 17:00</u>	Received By: _____	Date/Time: _____
Relinquished By: <u>Dunham</u>	Date/Time: <u>8-31-16 0730</u>	Received By: <u>Susana Kulp</u>	Date/Time: <u>8-31-16 0730</u>

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

PACE Project No. 40137489

Receipt Temp = ROT °C

Sample Receipt pH
OK / Adjusted

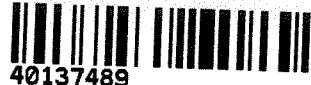
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Client Name: Garrett Fleming
 Courier: Fed Ex UPS Client Pace Other: Durham
 Tracking #: 1208076

Project #: **WO# : 40137489**

 40137489

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Custody Seal on Samples Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature: Uncorr: ROT ICorr: _____ Biological Tissue is Frozen: yes no
 Temp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.
 Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
 Date: 8-31-16
 Initials: SM

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>013 1-40ml^u no collect date</u>
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	<u>BT 8/31/16</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: (VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>369</u>	<u>8/31/16 SM</u>

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: AMH for DM Date: 8/31/16

September 08, 2016

Project #34283.000
NPI 3Q gw (2 of 3)
Reviewed by CCW
9/10/16

Clifford Wright
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on September 01, 2016. 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.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40137573001	EW-5	Water	08/30/16 08:15	09/01/16 07:30
40137573002	MH-18	Water	08/30/16 08:20	09/01/16 07:30
40137573003	MW-10A	Water	08/29/16 14:05	09/01/16 07:30
40137573004	MW-10B	Water	08/29/16 13:58	09/01/16 07:30
40137573005	MW-23A	Water	08/30/16 16:00	09/01/16 07:30
40137573006	MW-23B	Water	08/30/16 16:05	09/01/16 07:30
40137573007	MW-38B	Water	08/30/16 15:30	09/01/16 07:30
40137573008	MW-68B	Water	08/29/16 16:05	09/01/16 07:30
40137573009	MW-70B	Water	08/29/16 14:25	09/01/16 07:30
40137573010	MW-75	Water	08/29/16 15:20	09/01/16 07:30
40137573011	MW-76A	Water	08/30/16 07:40	09/01/16 07:30
40137573012	MW-77A	Water	08/31/16 09:00	09/01/16 07:30
40137573013	MW-77B	Water	08/31/16 09:05	09/01/16 07:30
40137573014	MW-77C	Water	08/31/16 08:50	09/01/16 07:30
40137573015	RW-16	Water	08/30/16 13:55	09/01/16 07:30
40137573016	RW-3C	Water	08/30/16 13:20	09/01/16 07:30
40137573017	MW-4A	Water	08/31/16 08:25	09/01/16 07:30
40137573018	MW-4B	Water	08/31/16 08:20	09/01/16 07:30
40137573019	TRIP BLANK C	Water	08/30/16 00:00	09/01/16 07:30
40137573020	TRIP BLANK D	Water	08/31/16 00:00	09/01/16 07:30
40137573021	MW-4B DUP	Water	08/31/16 08:20	09/01/16 07:30
40137573022	FIELD BLANK 2	Water	08/31/16 07:50	09/01/16 07:30
40137573023	FIELD BLANK 1	Water	08/30/16 09:20	09/01/16 07:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40137573001	EW-5	EPA 8260	HNW	8	PASI-G
40137573002	MH-18	EPA 8260	HNW	8	PASI-G
40137573003	MW-10A	EPA 6010	DLB	1	PASI-G
40137573004	MW-10B	EPA 6010	DLB	1	PASI-G
40137573005	MW-23A	EPA 8260	HNW	8	PASI-G
40137573006	MW-23B	EPA 8260	HNW	8	PASI-G
40137573007	MW-38B	EPA 8270	RJN	7	PASI-G
40137573008	MW-68B	EPA 6010	DLB	1	PASI-G
40137573009	MW-70B	EPA 6010	DLB	1	PASI-G
40137573010	MW-75	EPA 6010	DLB	1	PASI-G
40137573011	MW-76A	EPA 8270	RJN	7	PASI-G
		EPA 8260	HNW	8	PASI-G
40137573012	MW-77A	EPA 8260	HNW	8	PASI-G
40137573013	MW-77B	EPA 8270	RJN	7	PASI-G
		EPA 8260	HNW	8	PASI-G
40137573014	MW-77C	EPA 8260	HNW	8	PASI-G
40137573015	RW-16	EPA 8270	RJN	7	PASI-G
40137573016	RW-3C	EPA 8270	RJN	7	PASI-G
40137573017	MW-4A	EPA 8260	HNW	8	PASI-G
40137573018	MW-4B	EPA 8260	HNW	8	PASI-G
40137573019	TRIP BLANK C	EPA 8260	HNW	8	PASI-G
40137573020	TRIP BLANK D	EPA 8260	HNW	8	PASI-G
40137573021	MW-4B DUP	EPA 8260	HNW	8	PASI-G
40137573022	FIELD BLANK 2	EPA 8260	HNW	8	PASI-G
40137573023	FIELD BLANK 1	EPA 8260	HNW	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40137573001	EW-5					
EPA 8260	Trichloroethene	0.43J	ug/L	1.0	09/02/16 20:04	
40137573002	MH-18					
EPA 8260	1,1,1-Trichloroethane	0.69J	ug/L	1.0	09/02/16 20:27	
EPA 8260	Trichloroethene	0.51J	ug/L	1.0	09/02/16 20:27	
40137573003	MW-10A					
EPA 6010	Cadmium, Dissolved	18.8	ug/L	5.0	09/06/16 10:43	
40137573004	MW-10B					
EPA 6010	Cadmium, Dissolved	3.6J	ug/L	5.0	09/06/16 10:50	
40137573005	MW-23A					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	09/02/16 20:49	
40137573006	MW-23B					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	09/02/16 21:11	
40137573008	MW-68B					
EPA 6010	Cadmium, Dissolved	4.0J	ug/L	5.0	09/02/16 19:10	
40137573009	MW-70B					
EPA 6010	Cadmium, Dissolved	4.1J	ug/L	5.0	09/02/16 19:12	
40137573010	MW-75					
EPA 6010	Cadmium, Dissolved	2.2J	ug/L	5.0	09/02/16 19:15	
40137573012	MW-77A					
EPA 8260	Trichloroethene	0.91J	ug/L	1.0	09/02/16 21:56	
40137573013	MW-77B					
EPA 8260	Trichloroethene	1.8	ug/L	1.0	09/02/16 22:19	
40137573014	MW-77C					
EPA 8260	Trichloroethene	0.55J	ug/L	1.0	09/02/16 22:41	
40137573018	MW-4B					
EPA 8260	Trichloroethene	0.38J	ug/L	1.0	09/02/16 23:26	
40137573021	MW-4B DUP					
EPA 8260	Trichloroethene	0.40J	ug/L	1.0	09/03/16 00:32	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Method: EPA 6010
Description: 6010 MET ICP, Dissolved
Client: Gannett Fleming Inc.
Date: September 08, 2016

General Information:

5 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: September 08, 2016

General Information:

5 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 234098

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Method: EPA 8260
Description: 8260 MSV
Client: Gannett Fleming Inc.
Date: September 08, 2016

General Information:

15 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 234140

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40137596001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 1387666)
 - 1,1,1-Trichloroethane
 - 1,1-Dichloroethane

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: EW-5 **Lab ID: 40137573001** Collected: 08/30/16 08:15 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 20:04	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 20:04	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 20:04	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 20:04	127-18-4	
Trichloroethene	0.43J	ug/L	1.0	0.33	1		09/02/16 20:04	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		09/02/16 20:04	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		09/02/16 20:04	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 20:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MH-18 **Lab ID: 40137573002** Collected: 08/30/16 08:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.69J	ug/L	1.0	0.50	1		09/02/16 20:27	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 20:27	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 20:27	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 20:27	127-18-4	
Trichloroethene	0.51J	ug/L	1.0	0.33	1		09/02/16 20:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 20:27	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		09/02/16 20:27	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 20:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-10A **Lab ID: 40137573003** Collected: 08/29/16 14:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	18.8	ug/L	5.0	0.60	1		09/06/16 10:43	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-10B **Lab ID: 40137573004** Collected: 08/29/16 13:58 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	3.6J	ug/L	5.0	0.60	1		09/06/16 10:50	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-23A **Lab ID: 40137573005** Collected: 08/30/16 16:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 20:49	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 20:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 20:49	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 20:49	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.33	1		09/02/16 20:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 20:49	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		09/02/16 20:49	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 20:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-23B **Lab ID: 40137573006** Collected: 08/30/16 16:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 21:11	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 21:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 21:11	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 21:11	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.33	1		09/02/16 21:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 21:11	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		09/02/16 21:11	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/02/16 21:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-38B **Lab ID: 40137573007** Collected: 08/30/16 15:30 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/06/16 07:55	09/07/16 09:43	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	82	%	43-130		1	09/06/16 07:55	09/07/16 09:43	4165-60-0	
2-Fluorobiphenyl (S)	84	%	41-130		1	09/06/16 07:55	09/07/16 09:43	321-60-8	
Terphenyl-d14 (S)	91	%	49-130		1	09/06/16 07:55	09/07/16 09:43	1718-51-0	
Phenol-d6 (S)	32	%	15-130		1	09/06/16 07:55	09/07/16 09:43	13127-88-3	
2-Fluorophenol (S)	52	%	27-130		1	09/06/16 07:55	09/07/16 09:43	367-12-4	
2,4,6-Tribromophenol (S)	88	%	42-140		1	09/06/16 07:55	09/07/16 09:43	118-79-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-68B **Lab ID: 40137573008** Collected: 08/29/16 16:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010									
Cadmium, Dissolved	4.0J	ug/L	5.0	0.60	1		09/02/16 19:10	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-70B **Lab ID: 40137573009** Collected: 08/29/16 14:25 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	4.1J	ug/L	5.0	0.60	1		09/02/16 19:12	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-75 **Lab ID: 40137573010** Collected: 08/29/16 15:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	2.2J	ug/L	5.0	0.60	1		09/02/16 19:15	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-76A **Lab ID: 40137573011** Collected: 08/30/16 07:40 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.8	2.9	1	09/06/16 07:55	09/07/16 10:04	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	83	%	43-130		1	09/06/16 07:55	09/07/16 10:04	4165-60-0	
2-Fluorobiphenyl (S)	89	%	41-130		1	09/06/16 07:55	09/07/16 10:04	321-60-8	
Terphenyl-d14 (S)	98	%	49-130		1	09/06/16 07:55	09/07/16 10:04	1718-51-0	
Phenol-d6 (S)	32	%	15-130		1	09/06/16 07:55	09/07/16 10:04	13127-88-3	
2-Fluorophenol (S)	54	%	27-130		1	09/06/16 07:55	09/07/16 10:04	367-12-4	
2,4,6-Tribromophenol (S)	95	%	42-140		1	09/06/16 07:55	09/07/16 10:04	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 21:34	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 21:34	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 21:34	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 21:34	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/02/16 21:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 21:34	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/02/16 21:34	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/02/16 21:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-77A **Lab ID: 40137573012** Collected: 08/31/16 09:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 21:56	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 21:56	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 21:56	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 21:56	127-18-4	
Trichloroethene	0.91J	ug/L	1.0	0.33	1		09/02/16 21:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 21:56	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		09/02/16 21:56	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/02/16 21:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-77B **Lab ID: 40137573013** Collected: 08/31/16 09:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/06/16 07:55	09/07/16 12:02	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	89	%	43-130		1	09/06/16 07:55	09/07/16 12:02	4165-60-0	
2-Fluorobiphenyl (S)	74	%	41-130		1	09/06/16 07:55	09/07/16 12:02	321-60-8	
Terphenyl-d14 (S)	96	%	49-130		1	09/06/16 07:55	09/07/16 12:02	1718-51-0	
Phenol-d6 (S)	32	%	15-130		1	09/06/16 07:55	09/07/16 12:02	13127-88-3	
2-Fluorophenol (S)	49	%	27-130		1	09/06/16 07:55	09/07/16 12:02	367-12-4	
2,4,6-Tribromophenol (S)	79	%	42-140		1	09/06/16 07:55	09/07/16 12:02	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 22:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 22:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 22:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 22:19	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.33	1		09/02/16 22:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 22:19	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		09/02/16 22:19	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 22:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-77C **Lab ID: 40137573014** Collected: 08/31/16 08:50 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 22:41	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 22:41	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 22:41	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 22:41	127-18-4	
Trichloroethene	0.55J	ug/L	1.0	0.33	1		09/02/16 22:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 22:41	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/02/16 22:41	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/02/16 22:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: RW-16 **Lab ID: 40137573015** Collected: 08/30/16 13:55 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/06/16 07:55	09/07/16 11:30	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	86	%	43-130		1	09/06/16 07:55	09/07/16 11:30	4165-60-0	
2-Fluorobiphenyl (S)	93	%	41-130		1	09/06/16 07:55	09/07/16 11:30	321-60-8	
Terphenyl-d14 (S)	94	%	49-130		1	09/06/16 07:55	09/07/16 11:30	1718-51-0	
Phenol-d6 (S)	31	%	15-130		1	09/06/16 07:55	09/07/16 11:30	13127-88-3	
2-Fluorophenol (S)	52	%	27-130		1	09/06/16 07:55	09/07/16 11:30	367-12-4	
2,4,6-Tribromophenol (S)	85	%	42-140		1	09/06/16 07:55	09/07/16 11:30	118-79-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: RW-3C **Lab ID: 40137573016** Collected: 08/30/16 13:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/06/16 07:55	09/07/16 11:51	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	85	%	43-130		1	09/06/16 07:55	09/07/16 11:51	4165-60-0	
2-Fluorobiphenyl (S)	89	%	41-130		1	09/06/16 07:55	09/07/16 11:51	321-60-8	
Terphenyl-d14 (S)	90	%	49-130		1	09/06/16 07:55	09/07/16 11:51	1718-51-0	
Phenol-d6 (S)	30	%	15-130		1	09/06/16 07:55	09/07/16 11:51	13127-88-3	
2-Fluorophenol (S)	49	%	27-130		1	09/06/16 07:55	09/07/16 11:51	367-12-4	
2,4,6-Tribromophenol (S)	78	%	42-140		1	09/06/16 07:55	09/07/16 11:51	118-79-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-4A **Lab ID: 40137573017** Collected: 08/31/16 08:25 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 23:03	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 23:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 23:03	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 23:03	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/02/16 23:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/02/16 23:03	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		09/02/16 23:03	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 23:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-4B **Lab ID: 40137573018** Collected: 08/31/16 08:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 23:26	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 23:26	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 23:26	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 23:26	127-18-4	
Trichloroethene	0.38J	ug/L	1.0	0.33	1		09/02/16 23:26	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 23:26	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		09/02/16 23:26	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 23:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: TRIP BLANK C **Lab ID: 40137573019** Collected: 08/30/16 00:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 23:48	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 23:48	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 23:48	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 23:48	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/02/16 23:48	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/02/16 23:48	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/02/16 23:48	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 23:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: TRIP BLANK D **Lab ID: 40137573020** Collected: 08/31/16 00:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/03/16 00:10	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/03/16 00:10	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/03/16 00:10	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/03/16 00:10	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/03/16 00:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/03/16 00:10	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		09/03/16 00:10	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/03/16 00:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-4B DUP **Lab ID: 40137573021** Collected: 08/31/16 08:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/03/16 00:32	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/03/16 00:32	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/03/16 00:32	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/03/16 00:32	127-18-4	
Trichloroethene	0.40J	ug/L	1.0	0.33	1		09/03/16 00:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/03/16 00:32	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		1		09/03/16 00:32	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/03/16 00:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: FIELD BLANK 2 **Lab ID: 40137573022** Collected: 08/31/16 07:50 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/03/16 00:55	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/03/16 00:55	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/03/16 00:55	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/03/16 00:55	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/03/16 00:55	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/03/16 00:55	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		09/03/16 00:55	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/03/16 00:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: FIELD BLANK 1 **Lab ID: 40137573023** Collected: 08/30/16 09:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/07/16 14:50	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/07/16 14:50	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/07/16 14:50	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/07/16 14:50	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/07/16 14:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		09/07/16 14:50	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		09/07/16 14:50	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		09/07/16 14:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

QC Batch: 234063

Analysis Method: EPA 6010

QC Batch Method: EPA 6010

Analysis Description: ICP Metals, Trace, Dissolved

Associated Lab Samples: 40137573003, 40137573004, 40137573008, 40137573009, 40137573010

METHOD BLANK: 1386998

Matrix: Water

Associated Lab Samples: 40137573003, 40137573004, 40137573008, 40137573009, 40137573010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<0.60	5.0	09/06/16 10:38	

METHOD BLANK: 1387002

Matrix: Water

Associated Lab Samples: 40137573003, 40137573004, 40137573008, 40137573009, 40137573010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<0.60	5.0	09/06/16 11:02	

LABORATORY CONTROL SAMPLE: 1386999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	475	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1387000 1387001

Parameter	Units	1387000		1387001		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40137573003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Cadmium, Dissolved	ug/L	18.8	500	500	493	493	95	95	75-125	0	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

QC Batch: 233966 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40137573001, 40137573002, 40137573005, 40137573006, 40137573011, 40137573012, 40137573013, 40137573014, 40137573017, 40137573018, 40137573019, 40137573020, 40137573021, 40137573022

METHOD BLANK: 1386117 Matrix: Water
Associated Lab Samples: 40137573001, 40137573002, 40137573005, 40137573006, 40137573011, 40137573012, 40137573013, 40137573014, 40137573017, 40137573018, 40137573019, 40137573020, 40137573021, 40137573022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/02/16 16:43	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/02/16 16:43	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/02/16 16:43	
Tetrachloroethene	ug/L	<0.50	1.0	09/02/16 16:43	
Trichloroethene	ug/L	<0.33	1.0	09/02/16 16:43	
4-Bromofluorobenzene (S)	%	92	70-130	09/02/16 16:43	
Dibromofluoromethane (S)	%	98	70-130	09/02/16 16:43	
Toluene-d8 (S)	%	96	70-130	09/02/16 16:43	

LABORATORY CONTROL SAMPLE: 1386118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.4	92	70-131	
1,1-Dichloroethane	ug/L	20	18.8	94	70-133	
1,1-Dichloroethene	ug/L	20	17.3	86	70-130	
Tetrachloroethene	ug/L	20	18.3	92	70-138	
Trichloroethene	ug/L	20	18.6	93	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1386119 1386120

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40137573011 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.50	50	50	54.2	57.0	108	113	70-134	5	20
1,1-Dichloroethane	ug/L	<0.24	50	50	52.6	54.6	105	109	70-134	4	20
1,1-Dichloroethene	ug/L	<0.41	50	50	50.6	53.0	101	106	68-136	5	20
Tetrachloroethene	ug/L	<0.50	50	50	52.3	55.5	104	111	70-148	6	20
Trichloroethene	ug/L	<0.33	50	50	52.0	56.4	104	112	70-131	8	20
4-Bromofluorobenzene (S)	%						102	100	70-130		
Dibromofluoromethane (S)	%						105	102	70-130		
Toluene-d8 (S)	%						98	96	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

QC Batch: 234140 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40137573023

METHOD BLANK: 1387391 Matrix: Water
Associated Lab Samples: 40137573023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/07/16 07:42	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/07/16 07:42	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/07/16 07:42	
Tetrachloroethene	ug/L	<0.50	1.0	09/07/16 07:42	
Trichloroethene	ug/L	<0.33	1.0	09/07/16 07:42	
4-Bromofluorobenzene (S)	%	91	70-130	09/07/16 07:42	
Dibromofluoromethane (S)	%	121	70-130	09/07/16 07:42	
Toluene-d8 (S)	%	94	70-130	09/07/16 07:42	

LABORATORY CONTROL SAMPLE: 1387392

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.9	112	70-131	
1,1-Dichloroethane	ug/L	50	54.9	110	70-133	
1,1-Dichloroethene	ug/L	50	53.0	106	70-130	
Tetrachloroethene	ug/L	50	52.3	105	70-138	
Trichloroethene	ug/L	50	54.4	109	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			106	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1387665 1387666

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
1,1,1-Trichloroethane	ug/L	50	<0.00050 mg/L	50	59.5	119	138	70-134	15	20	M1
1,1-Dichloroethane	ug/L	50	<0.00024 mg/L	50	58.2	116	137	70-134	16	20	M1
1,1-Dichloroethene	ug/L	50	<0.00041 mg/L	50	57.1	114	133	68-136	15	20	
Tetrachloroethene	ug/L	50	<0.00050 mg/L	50	55.0	110	109	70-148	0	20	
Trichloroethene	ug/L	50	<0.00033 mg/L	50	56.5	113	112	70-131	1	20	
4-Bromofluorobenzene (S)	%					101	102	70-130			
Dibromofluoromethane (S)	%					106	124	70-130			
Toluene-d8 (S)	%					95	94	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

QC Batch: 234098 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40137573007, 40137573011, 40137573013, 40137573015, 40137573016

METHOD BLANK: 1387265 Matrix: Water
Associated Lab Samples: 40137573007, 40137573011, 40137573013, 40137573015, 40137573016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	09/07/16 08:39	
2,4,6-Tribromophenol (S)	%	79	42-140	09/07/16 08:39	
2-Fluorobiphenyl (S)	%	73	41-130	09/07/16 08:39	
2-Fluorophenol (S)	%	53	27-130	09/07/16 08:39	
Nitrobenzene-d5 (S)	%	79	43-130	09/07/16 08:39	
Phenol-d6 (S)	%	32	15-130	09/07/16 08:39	
Terphenyl-d14 (S)	%	94	49-130	09/07/16 08:39	

LABORATORY CONTROL SAMPLE & LCSD: 1387266

1387267

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4,6-Tribromophenol (S)	%				78	96	42-140			
2-Fluorobiphenyl (S)	%				84	86	41-130			
2-Fluorophenol (S)	%				51	57	27-130			
Nitrobenzene-d5 (S)	%				90	89	43-130			
Phenol-d6 (S)	%				34	35	15-130			
Terphenyl-d14 (S)	%				87	90	49-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 234176

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40137573003	MW-10A	EPA 6010	234063		
40137573004	MW-10B	EPA 6010	234063		
40137573008	MW-68B	EPA 6010	234063		
40137573009	MW-70B	EPA 6010	234063		
40137573010	MW-75	EPA 6010	234063		
40137573007	MW-38B	EPA 3510	234098	EPA 8270	234176
40137573011	MW-76A	EPA 3510	234098	EPA 8270	234176
40137573013	MW-77B	EPA 3510	234098	EPA 8270	234176
40137573015	RW-16	EPA 3510	234098	EPA 8270	234176
40137573016	RW-3C	EPA 3510	234098	EPA 8270	234176
40137573001	EW-5	EPA 8260	233966		
40137573002	MH-18	EPA 8260	233966		
40137573005	MW-23A	EPA 8260	233966		
40137573006	MW-23B	EPA 8260	233966		
40137573011	MW-76A	EPA 8260	233966		
40137573012	MW-77A	EPA 8260	233966		
40137573013	MW-77B	EPA 8260	233966		
40137573014	MW-77C	EPA 8260	233966		
40137573017	MW-4A	EPA 8260	233966		
40137573018	MW-4B	EPA 8260	233966		
40137573019	TRIP BLANK C	EPA 8260	233966		
40137573020	TRIP BLANK D	EPA 8260	233966		
40137573021	MW-4B DUP	EPA 8260	233966		
40137573022	FIELD BLANK 2	EPA 8260	233966		
40137573023	FIELD BLANK 1	EPA 8260	234140		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Dave Olig
 Phone: 608-836-1500
 Project Number: 34283.000
 Project Name: Nat'l Presto Ind. (NPI)
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): Chelsea Payne
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40137573

Page 38 of 40

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	N	Y	N							
Pick Letter	B	D	A							
Analyses Requested	VOCs	NPI Short List	Cadmium	1,4-Dioxane						

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	EW-5	8:30	8:15	GW
002	MH-18	"	8:20	
003	MW-10A	8:29	14:05	
004	MW-10B	"	13:58	
005	MW-23A	8:30	16:00	
006	MW-23B	↓	16:05	
007	MW-38B	↓	15:30	
008	MW-68B	8:29	16:05	
009	MW-70B	"	14:25	
010	MW-75	"	15:20	
011	MW-76A	8:30	7:40	
012	MW-76A MS	↓	7:40	
013	MW-76A MSD	↓	7:40	

Quote #: _____

Mail To Contact: Dave Olig

Mail To Company: Gannett Fleming

Mail To Address: 8025 Excelsior Dr. Madison, WI 53717

Invoice To Contact: See

Invoice To Company: See

Invoice To Address: mail to

Invoice To Phone: 608-836-1500

CLIENT COMMENTS 3-40mlVB

LAB COMMENTS (Lab Use Only) 1-250mlp^d

2-1Lag^A

1-250mlp^d

2-1Lag^A

9-40mlVB

Rush Turnaround Time Requested - Prelims
 Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):

Email #1: _____

Email #2: _____

Telephone: _____

Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Chelsea Payne Date/Time: 8-31-16 12:00

Relinquished By: Durham Date/Time: 9-1-16 0730

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Received By: Durham Date/Time: 9-1-16

Received By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

PACE Project No. 40137573

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location:
 Project Contact:
 Phone:
 Project Number: 34283.000
 Project Name: NPI
 Project State:
 Sampled By (Print): See pg 1
 Sampled By (Sign): I
 PO #:
 Regulatory Program:



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Z	Z																	
Analyses Requested	Pick Letter																		
	B	A																	
VOCs NPI Short List 14-Dioxina																			

Quote #:
 Mail To Contact:
 Mail To Company: See pg 1
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS: 3-40mlVB
 LAB COMMENTS (Lab Use Only): 2-1Lag^A
 Profile #:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Z	Z													
		DATE	TIME																	
012	014	MW77A	8/31/16	9:00		X														
013	015	MW77B	"	9:05		X	X													
014	016	MW77C	"	8:50		X														
		MW52B	8/30	10:50																
015	017	RW-16	"	13:55			X													
016	018	RW-3C	"	13:20			X													
017	019	MW4A	8/31	8:25		X														
018	020	MW4B	8/31	8:20		X														
019	021	Trip Blank C				X														
020	022	Trip Blank D				X														
021	023	MW4B dup	8/31	8:20		X														
022	024	Field Blank 2	8/31	7:50		X														
023	025	Field Blank 1	8/30	9:20		X														

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: 9/16/16

Transmit Prelim Rush Results by (complete what you want):

Relinquished By: <u>Chelsea Bayo</u> Date/Time: <u>8/31/16 12:00</u>	Received By: <u>Dave</u> Date/Time: <u>9/16/16 0730</u>	PACE Project No. <u>40137573</u> Receipt Temp = <u>ROI</u> °C Sample Receipt pH <u>OK</u> / Adjusted Cooler Custody Seal Present <u>(Not Present)</u> / Intact / Not Intact
Relinquished By: <u>Dunham</u> Date/Time: <u>9-1-16 0720</u>	Received By: <u>Susant Wf</u> Date/Time: <u>9-1-16 0730</u>	
Relinquished By:	Received By:	
Relinquished By:	Received By:	
Relinquished By:	Received By:	

Samples on HOLD are subject to special pricing and release of liability

Sample Condition Upon Receipt

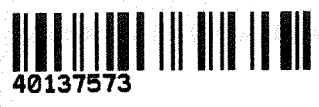
Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Client Name: Harriet Fleming Project #: _____

WO#: **40137573**

Courier: Fed Ex UPS Client Pace Other: Durban
Tracking #: 1208658



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
Custody Seal on Samples Present: yes no Seals intact: yes no
Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature: Uncorr: 40L / Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining contents:
Date: 9-1-16
Initials: SKW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. <u>9-1-16 SKW</u>
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>015-1-16 Lag A collect time 10:50 and client crossed out ID and rewrote. 9-1-16 SKW</u>
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 < 2, NaOH+ZnAct ≥ 9, NaOH ≥ 12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed: <u>SKW</u> Lab Std #ID of preservative: _____ Date/Time: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: SKW for DM Date: 9-1-16

September 07, 2016

Project #34283.000
NPI 3Q gw (3 of 3)
Reviewed by CCW
9/10/16

Clifford Wright
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2016. 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.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

525 N 8th Street, Salina, KS 67401

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP ID: 460263

Virginia VELAP Certification ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40137498001	CW-11	Water	08/30/16 09:30	08/31/16 07:30
40137498002	CW-15	Water	08/30/16 09:35	08/31/16 07:30
40137498003	CW-16	Water	08/30/16 09:25	08/31/16 07:30
40137498004	CW-17	Water	08/30/16 09:50	08/31/16 07:30
40137498005	CW-19	Water	08/30/16 09:32	08/31/16 07:30
40137498006	TOWER A	Water	08/30/16 09:54	08/31/16 07:30
40137498007	TOWER B	Water	08/30/16 09:56	08/31/16 07:30
40137498008	RAW	Water	08/30/16 09:52	08/31/16 07:30
40137498009	PRODUCT	Water	08/30/16 09:00	08/31/16 07:30
40137498010	Trip Blank A	Water	08/30/16 00:00	08/31/16 07:30
40137498011	CW-19 DUP	Water	08/30/16 09:32	08/31/16 07:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40137498001	CW-11	EPA 524.2	DJB	8	PASI-M
40137498002	CW-15	EPA 524.2	DJB	8	PASI-M
40137498003	CW-16	EPA 524.2	DJB	8	PASI-M
40137498004	CW-17	EPA 524.2	DJB	8	PASI-M
40137498005	CW-19	EPA 8270	RJN	7	PASI-G
		EPA 524.2	DJB	8	PASI-M
40137498006	TOWER A	EPA 524.2	DJB	8	PASI-M
40137498007	TOWER B	EPA 524.2	DJB	8	PASI-M
40137498008	RAW	EPA 524.2	DJB	8	PASI-M
40137498009	PRODUCT	EPA 524.2	DJB	8	PASI-M
40137498010	Trip Blank A	EPA 524.2	DJB	8	PASI-M
40137498011	CW-19 DUP	EPA 8270	RJN	7	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40137498002	CW-15					
EPA 524.2	Trichloroethene	0.19J	ug/L	0.40	09/02/16 04:11	
40137498005	CW-19					
EPA 524.2	Trichloroethene	2.0	ug/L	0.40	09/02/16 05:18	
40137498008	RAW					
EPA 524.2	Trichloroethene	0.94	ug/L	0.40	09/02/16 06:25	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: September 07, 2016

General Information:

2 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 233862

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Method: EPA 524.2

Description: 524.2 MSV

Client: Gannett Fleming Inc.

Date: September 07, 2016

General Information:

10 samples were analyzed for EPA 524.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-11 **Lab ID: 40137498001** Collected: 08/30/16 09:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 03:49	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 03:49	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 03:49	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 03:49	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 03:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		09/02/16 03:49	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 03:49	2037-26-5	
1,2-Dichloroethane-d4 (S)	95	%	75-125		1		09/02/16 03:49	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-15 **Lab ID: 40137498002** Collected: 08/30/16 09:35 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:11	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:11	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:11	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:11	71-55-6	
Trichloroethene	0.19J	ug/L	0.40	0.044	1		09/02/16 04:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	75-125		1		09/02/16 04:11	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 04:11	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 04:11	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-16 **Lab ID: 40137498003** Collected: 08/30/16 09:25 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:33	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:33	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:33	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:33	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 04:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 04:33	460-00-4	
Toluene-d8 (S)	98	%	75-125		1		09/02/16 04:33	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%	75-125		1		09/02/16 04:33	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-17 **Lab ID: 40137498004** Collected: 08/30/16 09:50 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:56	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:56	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:56	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:56	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 04:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		09/02/16 04:56	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 04:56	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	75-125		1		09/02/16 04:56	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-19 **Lab ID: 40137498005** Collected: 08/30/16 09:32 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.5	2.9	1	09/01/16 09:15	09/02/16 12:56	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	09/01/16 09:15	09/02/16 12:56	4165-60-0	
2-Fluorobiphenyl (S)	61	%	41-130		1	09/01/16 09:15	09/02/16 12:56	321-60-8	
Terphenyl-d14 (S)	79	%	49-130		1	09/01/16 09:15	09/02/16 12:56	1718-51-0	
Phenol-d6 (S)	30	%	15-130		1	09/01/16 09:15	09/02/16 12:56	13127-88-3	
2-Fluorophenol (S)	42	%	27-130		1	09/01/16 09:15	09/02/16 12:56	367-12-4	
2,4,6-Tribromophenol (S)	64	%	42-140		1	09/01/16 09:15	09/02/16 12:56	118-79-6	
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 05:18	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 05:18	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 05:18	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 05:18	71-55-6	
Trichloroethene	2.0	ug/L	0.40	0.044	1		09/02/16 05:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		09/02/16 05:18	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 05:18	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		09/02/16 05:18	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: TOWER A **Lab ID: 40137498006** Collected: 08/30/16 09:54 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 05:40	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 05:40	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 05:40	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 05:40	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 05:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	75-125		1		09/02/16 05:40	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 05:40	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 05:40	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: TOWER B **Lab ID: 40137498007** Collected: 08/30/16 09:56 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:02	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:02	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:02	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:02	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 06:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 06:02	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 06:02	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 06:02	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: RAW **Lab ID: 40137498008** Collected: 08/30/16 09:52 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:25	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:25	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:25	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:25	71-55-6	
Trichloroethene	0.94	ug/L	0.40	0.044	1		09/02/16 06:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		09/02/16 06:25	460-00-4	
Toluene-d8 (S)	98	%	75-125		1		09/02/16 06:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%	75-125		1		09/02/16 06:25	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: PRODUCT **Lab ID: 40137498009** Collected: 08/30/16 09:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:47	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:47	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:47	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:47	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 06:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 06:47	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 06:47	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 06:47	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: Trip Blank A **Lab ID: 40137498010** Collected: 08/30/16 00:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 02:20	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 02:20	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 02:20	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 02:20	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 02:20	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		09/02/16 02:20	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 02:20	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		09/02/16 02:20	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-19 DUP **Lab ID: 40137498011** Collected: 08/30/16 09:32 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/01/16 09:15	09/02/16 13:28	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	75	%	43-130		1	09/01/16 09:15	09/02/16 13:28	4165-60-0	
2-Fluorobiphenyl (S)	64	%	41-130		1	09/01/16 09:15	09/02/16 13:28	321-60-8	
Terphenyl-d14 (S)	80	%	49-130		1	09/01/16 09:15	09/02/16 13:28	1718-51-0	
Phenol-d6 (S)	31	%	15-130		1	09/01/16 09:15	09/02/16 13:28	13127-88-3	
2-Fluorophenol (S)	45	%	27-130		1	09/01/16 09:15	09/02/16 13:28	367-12-4	
2,4,6-Tribromophenol (S)	64	%	42-140		1	09/01/16 09:15	09/02/16 13:28	118-79-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

QC Batch:	433783	Analysis Method:	EPA 524.2
QC Batch Method:	EPA 524.2	Analysis Description:	524.2 MSV
Associated Lab Samples:	40137498001, 40137498002, 40137498003, 40137498004, 40137498005, 40137498006, 40137498007, 40137498008, 40137498009, 40137498010		

METHOD BLANK: 2358855 Matrix: Water
Associated Lab Samples: 40137498001, 40137498002, 40137498003, 40137498004, 40137498005, 40137498006, 40137498007, 40137498008, 40137498009, 40137498010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	0.50	09/02/16 01:57	
1,1-Dichloroethane	ug/L	<0.088	0.50	09/02/16 01:57	
1,1-Dichloroethene	ug/L	<0.089	0.50	09/02/16 01:57	
Tetrachloroethene	ug/L	<0.12	0.50	09/02/16 01:57	
Trichloroethene	ug/L	<0.044	0.40	09/02/16 01:57	
1,2-Dichloroethane-d4 (S)	%	97	75-125	09/02/16 01:57	
4-Bromofluorobenzene (S)	%	104	75-125	09/02/16 01:57	
Toluene-d8 (S)	%	97	75-125	09/02/16 01:57	

LABORATORY CONTROL SAMPLE & LCSD: 2358856 2358857

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.8	21.9	109	109	70-130	0	20	
1,1-Dichloroethane	ug/L	20	20.0	19.4	100	97	70-130	3	20	
1,1-Dichloroethene	ug/L	20	20.5	21.0	102	105	70-130	2	20	
Tetrachloroethene	ug/L	20	21.6	21.3	108	106	70-130	2	20	
Trichloroethene	ug/L	20	21.5	21.6	107	108	70-130	0	20	
1,2-Dichloroethane-d4 (S)	%				93	92	75-125			
4-Bromofluorobenzene (S)	%				100	101	75-125			
Toluene-d8 (S)	%				98	98	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2358858 2358859

Parameter	Units	60226570001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	22.3	23.1	112	115	70-130	3	20	
1,1-Dichloroethane	ug/L	ND	20	20	20.0	20.8	100	104	70-130	4	20	
1,1-Dichloroethene	ug/L	ND	20	20	21.9	23.3	109	116	70-130	6	20	
Tetrachloroethene	ug/L	ND	20	20	21.3	21.6	106	108	70-130	1	20	
Trichloroethene	ug/L	ND	20	20	22.1	22.6	110	113	70-130	2	20	
1,2-Dichloroethane-d4 (S)	%						91	91	75-125			
4-Bromofluorobenzene (S)	%						100	104	75-125			
Toluene-d8 (S)	%						98	97	75-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

QC Batch:	233862	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3510	Analysis Description:	8270 Water MSSV
Associated Lab Samples:	40137498005, 40137498011		

METHOD BLANK: 1385256 Matrix: Water

Associated Lab Samples: 40137498005, 40137498011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	09/02/16 10:05	
2,4,6-Tribromophenol (S)	%	81	42-140	09/02/16 10:05	
2-Fluorobiphenyl (S)	%	78	41-130	09/02/16 10:05	
2-Fluorophenol (S)	%	57	27-130	09/02/16 10:05	
Nitrobenzene-d5 (S)	%	84	43-130	09/02/16 10:05	
Phenol-d6 (S)	%	35	15-130	09/02/16 10:05	
Terphenyl-d14 (S)	%	93	49-130	09/02/16 10:05	

LABORATORY CONTROL SAMPLE & LCSD: 1385257 1385258

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4,6-Tribromophenol (S)	%				76	78	42-140			
2-Fluorobiphenyl (S)	%				83	78	41-130			
2-Fluorophenol (S)	%				52	48	27-130			
Nitrobenzene-d5 (S)	%				80	76	43-130			
Phenol-d6 (S)	%				32	32	15-130			
Terphenyl-d14 (S)	%				78	80	49-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: 233952

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40137498005	CW-19	EPA 3510	233862	EPA 8270	233952
40137498011	CW-19 DUP	EPA 3510	233862	EPA 8270	233952
40137498001	CW-11	EPA 524.2	433783		
40137498002	CW-15	EPA 524.2	433783		
40137498003	CW-16	EPA 524.2	433783		
40137498004	CW-17	EPA 524.2	433783		
40137498005	CW-19	EPA 524.2	433783		
40137498006	TOWER A	EPA 524.2	433783		
40137498007	TOWER B	EPA 524.2	433783		
40137498008	RAW	EPA 524.2	433783		
40137498009	PRODUCT	EPA 524.2	433783		
40137498010	Trip Blank A	EPA 524.2	433783		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Dave Olig
 Phone: 608-836-1500
 Project Number: 34283.000
 Project Name: National Presto Ind. (NPI)
 Project State: WI
 Sampled By (Print): Chebea Payne
 Sampled By (Sign): Ch Payne
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40137498

Page 23 of 25

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO)	Y / N																			
PRESERVATION (CODE)*	Pick Letter	B	N																	

Analyses Requested

524 Drinking H ₂ O Standard	1/4 Picoware																			
--	--------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y / N	Pick Letter
		DATE	TIME			
022	CW-11	8:30	9:30	GW	X	
023	CW-15		9:35			
024	CW-16		7:25			
025	CW-17		9:50			
026	CW-19		9:32			X
027	Tower A		9:54			
028	Tower B		9:56			
029	Raw		9:52			
030	Product		9:00			
031	TA A					
031	CW-19 dup 011		9:32	GW		X

Quote #: _____

Mail To Contact: Dave Olig

Mail To Company: Gannett Fleming

Mail To Address: 8025 Excelsior Dr. Madison, WI 53717

Invoice To Contact: See

Invoice To Company: Mail to

Invoice To Address: u

Invoice To Phone: 608-836-1500

CLIENT COMMENTS: Send copy of reports to Marcia A Kuehl 3470 Charlevoix Ct. Green Bay, WI 54511

LAB COMMENTS (Lab Use Only): 3-40ml vials

Profile #: _____

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: <u>Chebea Payne</u>	Date/Time: <u>8-30-16 14:00</u>	Received By: _____	Date/Time: _____
Relinquished By: <u>Dunham</u>	Date/Time: <u>8-31-16 0730</u>	Received By: <u>Suzanne Wyke</u>	Date/Time: <u>8-31-16 0730</u>
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____

PACE Project No.
40137498

Receipt Temp = ROT °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Client Name: Garnett Fleming
 Courier: Fed Ex UPS Client Pace Other: Durham
 Tracking #: 1208076

Project #: **WO#: 40137498**

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Custody Seal on Samples Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature: Uncorr: ROT / Corr: _____ Biological Tissue is Frozen: yes no
 Temp Blank Present: yes no

Person examining contents:
 Date: 8-31-14
 Initials: SMU

Temp should be above freezing to 6°C for all sample except Biota.
 Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <input checked="" type="checkbox"/> VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed Lab Std #ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>369</u> <u>8/31/14</u> <u>SMU</u>		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: AMH for DM Date: 8/31/14

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Dave Olig
 Phone: 608-836-1800
 Project Number: 34283.000
 Project Name: National Presto Ind. (NPI)
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): Ch Payne
 PO #: _____ Regulatory Program: _____



CHAIN OF CUSTODY

*Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y / N	Pick Letter	Analyses Requested																	
N	B	524 Drinking H ₂ O																	
N	A	1/4 Dioxine																	

Quote #: _____
 Mail To Contact: Dave Olig
 Mail To Company: Gannett Fleming
 Mail To Address: 8025 Excelsior Dr. Madison, WI 53717
 Invoice To Contact: See
 Invoice To Company: Mail to
 Invoice To Address: u
 Invoice To Phone: 608-836-1500
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Blota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested	Y / N	Pick Letter	Filtered?	Preservation Code
		DATE	TIME						
• CW-11		8:30	9:30	GW	X	N	B		
• CW-15			9:35						
• CW-16			7:25						
• CW-17			9:50						
• CW-19			9:32						
• Tower A Tower A			9:54						
• Tower B			9:56						
• Raw Product			9:52						
• Trip blank A Trip blank A			9:00						
• CW-19 dup		u	9:32	GW	X				

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want): _____

Relinquished By: Chelsea Payne Date/Time: 8-30-16 14:00
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. _____
 Receipt Temp = _____ °C
 Sample Receipt pH _____
 OK / Adjusted _____
 Cooler Custody Seal _____
 Present / Not Present _____
 Intact / Not Intact _____

December 15, 2016

Project #34283.000
NPI Q4 GW
Reviewed by CCW
12/14/16

Dave Olig
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Dear Dave Olig:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.
Clifford Wright, Gannett Fleming



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143087001	EW-1R-76'	Water	12/05/16 11:30	12/07/16 07:30
40143087002	EW-1R-86'	Water	12/05/16 11:35	12/07/16 07:30
40143087003	EW-1R-96'	Water	12/05/16 11:40	12/07/16 07:30
40143087004	EW-2-81'	Water	12/05/16 11:15	12/07/16 07:30
40143087005	EW-2-91'	Water	12/05/16 12:00	12/07/16 07:30
40143087006	MW-62AR	Water	12/05/16 11:25	12/07/16 07:30
40143087007	MW-62B	Water	12/05/16 11:20	12/07/16 07:30
40143087008	MW-66A	Water	12/05/16 11:05	12/07/16 07:30
40143087009	MW-66B	Water	12/05/16 11:15	12/07/16 07:30
40143087010	MW-66C	Water	12/05/16 11:10	12/07/16 07:30
40143087011	EW-5-78'	Water	12/06/16 10:05	12/07/16 07:30
40143087012	EW-5-88'	Water	12/06/16 10:10	12/07/16 07:30
40143087013	MH-18	Water	12/06/16 09:55	12/07/16 07:30
40143087014	MW-4A	Water	12/05/16 16:00	12/07/16 07:30
40143087015	MW-4B	Water	12/05/16 16:05	12/07/16 07:30
40143087016	MW-10A	Water	12/05/16 14:00	12/07/16 07:30
40143087017	MW-10B	Water	12/05/16 14:05	12/07/16 07:30
40143087018	MW-34A	Water	12/05/16 14:10	12/07/16 07:30
40143087019	MW-34B	Water	12/05/16 14:15	12/07/16 07:30
40143087020	MW-34C	Water	12/05/16 14:20	12/07/16 07:30
40143087021	MW-68A	Water	12/05/16 15:30	12/07/16 07:30
40143087022	MW-68B	Water	12/05/16 15:35	12/07/16 07:30
40143087023	MW-70A	Water	12/05/16 14:00	12/07/16 07:30
40143087024	MW-70A DUP	Water	12/05/16 15:00	12/07/16 07:30
40143087025	MW-70B	Water	12/05/16 15:05	12/07/16 07:30
40143087026	MW-74A	Water	12/05/16 15:15	12/07/16 07:30
40143087027	MW-74B	Water	12/05/16 15:20	12/07/16 07:30
40143087028	MW-75	Water	12/05/16 14:55	12/07/16 07:30
40143087029	MW-76A	Water	12/06/16 11:10	12/07/16 07:30
40143087030	MW-76B	Water	12/06/16 11:15	12/07/16 07:30
40143087031	MW-77A	Water	12/06/16 10:30	12/07/16 07:30
40143087032	MW-77B	Water	12/06/16 10:35	12/07/16 07:30
40143087033	MW-77C	Water	12/06/16 10:40	12/07/16 07:30
40143087034	MW-77C DUP	Water	12/06/16 10:40	12/07/16 07:30
40143087035	TRIP BLANK	Water	12/06/16 00:00	12/07/16 07:30
40143087036	MW-5A	Water	12/05/16 11:50	12/07/16 07:30
40143087037	MW-5B	Water	12/05/16 11:45	12/07/16 07:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143087001	EW-1R-76'	EPA 8260	HNW	8	PASI-G
40143087002	EW-1R-86'	EPA 8260	HNW	8	PASI-G
40143087003	EW-1R-96'	EPA 8260	HNW	8	PASI-G
40143087004	EW-2-81'	EPA 8260	HNW	8	PASI-G
40143087005	EW-2-91'	EPA 8260	HNW	8	PASI-G
40143087006	MW-62AR	EPA 8260	HNW	8	PASI-G
40143087007	MW-62B	EPA 8260	HNW	8	PASI-G
40143087008	MW-66A	EPA 8260	HNW	8	PASI-G
40143087009	MW-66B	EPA 8260	HNW	8	PASI-G
40143087010	MW-66C	EPA 8260	HNW	8	PASI-G
40143087011	EW-5-78'	EPA 8260	HNW	8	PASI-G
40143087012	EW-5-88'	EPA 8260	HNW	8	PASI-G
40143087013	MH-18	EPA 6010	DLB	4	PASI-G
		EPA 8260	HNW	8	PASI-G
40143087014	MW-4A	EPA 8260	HNW	8	PASI-G
40143087015	MW-4B	EPA 8260	HNW	8	PASI-G
40143087016	MW-10A	EPA 6010	DLB	1	PASI-G
40143087017	MW-10B	EPA 6010	DLB	1	PASI-G
40143087018	MW-34A	EPA 6010	DLB	1	PASI-G
		EPA 8270	RJN	7	PASI-G
		EPA 8260	HNW	8	PASI-G
40143087019	MW-34B	EPA 6010	DLB	1	PASI-G
		EPA 8260	HNW	8	PASI-G
40143087020	MW-34C	EPA 8260	HNW	8	PASI-G
40143087021	MW-68A	EPA 8260	HNW	8	PASI-G
40143087022	MW-68B	EPA 6010	DLB	1	PASI-G
		EPA 8270	RJN	7	PASI-G
		EPA 8260	HNW	8	PASI-G
40143087023	MW-70A	EPA 8260	LAP	8	PASI-G
40143087024	MW-70A DUP	EPA 8260	LAP	8	PASI-G
40143087025	MW-70B	EPA 6010	DLB	1	PASI-G
		EPA 8260	LAP	8	PASI-G
40143087026	MW-74A	EPA 8260	LAP	8	PASI-G
40143087027	MW-74B	EPA 8260	LAP	8	PASI-G
40143087028	MW-75	EPA 6010	DLB	1	PASI-G
40143087029	MW-76A	EPA 8270	RJN	7	PASI-G
		EPA 8260	LAP	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143087030	MW-76B	EPA 8260	LAP	8	PASI-G
40143087031	MW-77A	EPA 8260	LAP	8	PASI-G
40143087032	MW-77B	EPA 8270	RJN	7	PASI-G
		EPA 8260	LAP	8	PASI-G
40143087033	MW-77C	EPA 8260	LAP	8	PASI-G
40143087034	MW-77C DUP	EPA 8260	LAP	8	PASI-G
40143087035	TRIP BLANK	EPA 8260	LAP	8	PASI-G
40143087036	MW-5A	EPA 8260	LAP	8	PASI-G
40143087037	MW-5B	EPA 8260	HNW	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40143087011	EW-5-78'					
EPA 8260	Trichloroethene	0.75J	ug/L	1.0	12/08/16 17:40	
40143087013	MH-18					
EPA 6010	Nickel	3.3J	ug/L	10.0	12/09/16 10:57	
EPA 6010	Total Hardness by 2340B	51200	ug/L	2000	12/09/16 10:57	
EPA 8260	1,1,1-Trichloroethane	0.70J	ug/L	1.0	12/08/16 12:54	
EPA 8260	Trichloroethene	0.54J	ug/L	1.0	12/08/16 12:54	
40143087015	MW-4B					
EPA 8260	Trichloroethene	0.43J	ug/L	1.0	12/08/16 13:38	
40143087016	MW-10A					
EPA 6010	Cadmium, Dissolved	18.8	ug/L	5.0	12/14/16 11:07	
40143087018	MW-34A					
EPA 6010	Cadmium, Dissolved	6.5	ug/L	5.0	12/14/16 11:21	
40143087019	MW-34B					
EPA 6010	Cadmium, Dissolved	1.5J	ug/L	5.0	12/14/16 11:24	
40143087021	MW-68A					
EPA 8260	Trichloroethene	0.35J	ug/L	1.0	12/08/16 15:06	
40143087022	MW-68B					
EPA 6010	Cadmium, Dissolved	4.0J	ug/L	5.0	12/14/16 11:31	
40143087023	MW-70A					
EPA 8260	1,1-Dichloroethane	0.26J	ug/L	1.0	12/09/16 07:54	
EPA 8260	Trichloroethene	0.61J	ug/L	1.0	12/09/16 07:54	
40143087024	MW-70A DUP					
EPA 8260	1,1-Dichloroethane	0.24J	ug/L	1.0	12/08/16 14:49	
EPA 8260	Trichloroethene	0.41J	ug/L	1.0	12/08/16 14:49	
40143087025	MW-70B					
EPA 6010	Cadmium, Dissolved	4.1J	ug/L	5.0	12/14/16 11:33	
40143087028	MW-75					
EPA 6010	Cadmium, Dissolved	2.4J	ug/L	5.0	12/14/16 11:36	
40143087031	MW-77A					
EPA 8260	Trichloroethene	0.51J	ug/L	1.0	12/09/16 09:43	
40143087032	MW-77B					
EPA 8260	Trichloroethene	1.4	ug/L	1.0	12/09/16 10:05	
40143087033	MW-77C					
EPA 8260	Trichloroethene	0.60J	ug/L	1.0	12/09/16 10:27	
40143087034	MW-77C DUP					
EPA 8260	Trichloroethene	0.52J	ug/L	1.0	12/09/16 10:49	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Method: EPA 6010
Description: 6010 MET ICP
Client: Gannett Fleming Inc.
Date: December 15, 2016

General Information:

1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Method: EPA 6010
Description: 6010 MET ICP, Dissolved
Client: Gannett Fleming Inc.
Date: December 15, 2016

General Information:

7 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Method: EPA 8270
Description: 8270 MSSV Semivolatile Organic
Client: Gannett Fleming Inc.
Date: December 15, 2016

General Information:

4 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 243604

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

34 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-1R-76' **Lab ID:** 40143087001 Collected: 12/05/16 11:30 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 15:50	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 15:50	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 15:50	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 15:50	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 15:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 15:50	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 15:50	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 15:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-1R-86' **Lab ID:** 40143087002 Collected: 12/05/16 11:35 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 16:12	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 16:12	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 16:12	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 16:12	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 16:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/08/16 16:12	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 16:12	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 16:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-1R-96' **Lab ID:** 40143087003 Collected: 12/05/16 11:40 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 16:34	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 16:34	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 16:34	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 16:34	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 16:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 16:34	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 16:34	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 16:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-2-81' **Lab ID: 40143087004** Collected: 12/05/16 11:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 16:56	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 16:56	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 16:56	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 16:56	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 16:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 16:56	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 16:56	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 16:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-2-91' **Lab ID: 40143087005** Collected: 12/05/16 12:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 17:18	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 17:18	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 17:18	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 17:18	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 17:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 17:18	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 17:18	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 17:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-62AR **Lab ID: 40143087006** Collected: 12/05/16 11:25 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 10:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 10:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 10:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 10:19	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 10:19	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 10:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-62B **Lab ID: 40143087007** Collected: 12/05/16 11:20 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 11:26	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 11:26	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 11:26	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 11:26	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 11:26	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/08/16 11:26	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 11:26	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 11:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-66A **Lab ID: 40143087008** Collected: 12/05/16 11:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 11:48	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 11:48	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 11:48	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 11:48	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 11:48	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 11:48	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 11:48	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 11:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-66B **Lab ID: 40143087009** Collected: 12/05/16 11:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 12:10	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 12:10	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 12:10	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 12:10	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 12:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/08/16 12:10	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 12:10	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 12:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-66C **Lab ID: 40143087010** Collected: 12/05/16 11:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 12:32	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 12:32	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 12:32	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 12:32	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 12:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 12:32	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/08/16 12:32	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 12:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-5-78' **Lab ID: 40143087011** Collected: 12/06/16 10:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 17:40	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 17:40	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 17:40	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 17:40	127-18-4	
Trichloroethene	0.75J	ug/L	1.0	0.33	1		12/08/16 17:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 17:40	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 17:40	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 17:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-5-88' **Lab ID: 40143087012** Collected: 12/06/16 10:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 18:02	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 18:02	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 18:02	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 18:02	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 18:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 18:02	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/08/16 18:02	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/08/16 18:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MH-18 **Lab ID: 40143087013** Collected: 12/06/16 09:55 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium	<1.3	ug/L	5.0	1.3	1	12/08/16 13:31	12/09/16 10:57	7440-43-9	
Nickel	3.3J	ug/L	10.0	2.6	1	12/08/16 13:31	12/09/16 10:57	7440-02-0	
Total Hardness by 2340B	51200	ug/L	2000	150	1	12/08/16 13:31	12/09/16 10:57		
Zinc	<9.3	ug/L	40.0	9.3	1	12/08/16 13:31	12/09/16 10:57	7440-66-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.70J	ug/L	1.0	0.50	1		12/08/16 12:54	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 12:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 12:54	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 12:54	127-18-4	
Trichloroethene	0.54J	ug/L	1.0	0.33	1		12/08/16 12:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 12:54	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/08/16 12:54	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 12:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-4A **Lab ID: 40143087014** Collected: 12/05/16 16:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 13:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 13:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 13:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 13:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 13:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/08/16 13:16	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		12/08/16 13:16	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 13:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-4B **Lab ID: 40143087015** Collected: 12/05/16 16:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 13:38	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 13:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 13:38	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 13:38	127-18-4	
Trichloroethene	0.43J	ug/L	1.0	0.33	1		12/08/16 13:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/08/16 13:38	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/08/16 13:38	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 13:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-10A **Lab ID: 40143087016** Collected: 12/05/16 14:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	18.8	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:07	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-10B **Lab ID: 40143087017** Collected: 12/05/16 14:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:17	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-34A **Lab ID: 40143087018** Collected: 12/05/16 14:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	6.5	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:21	7440-43-9	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.5	2.9	1	12/08/16 08:19	12/12/16 19:10	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	81	%	43-130		1	12/08/16 08:19	12/12/16 19:10	4165-60-0	
2-Fluorobiphenyl (S)	82	%	41-130		1	12/08/16 08:19	12/12/16 19:10	321-60-8	
Terphenyl-d14 (S)	89	%	49-130		1	12/08/16 08:19	12/12/16 19:10	1718-51-0	
Phenol-d6 (S)	24	%	15-130		1	12/08/16 08:19	12/12/16 19:10	13127-88-3	
2-Fluorophenol (S)	38	%	27-130		1	12/08/16 08:19	12/12/16 19:10	367-12-4	
2,4,6-Tribromophenol (S)	92	%	42-140		1	12/08/16 08:19	12/12/16 19:10	118-79-6	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:00	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 14:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:00	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:00	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 14:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 14:00	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 14:00	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 14:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-34B **Lab ID: 40143087019** Collected: 12/05/16 14:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium, Dissolved	1.5J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:24	7440-43-9	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:22	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 14:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:22	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:22	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 14:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 14:22	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/08/16 14:22	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 14:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-34C **Lab ID: 40143087020** Collected: 12/05/16 14:20 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:44	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 14:44	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:44	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:44	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 14:44	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 14:44	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 14:44	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 14:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-68A **Lab ID: 40143087021** Collected: 12/05/16 15:30 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 15:06	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 15:06	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 15:06	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 15:06	127-18-4	
Trichloroethene	0.35J	ug/L	1.0	0.33	1		12/08/16 15:06	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/08/16 15:06	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/08/16 15:06	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 15:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-68B **Lab ID: 40143087022** Collected: 12/05/16 15:35 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	4.0J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:31	7440-43-9	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<3.0	ug/L	10.0	3.0	1	12/08/16 08:19	12/12/16 19:31	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	12/08/16 08:19	12/12/16 19:31	4165-60-0	
2-Fluorobiphenyl (S)	91	%	41-130		1	12/08/16 08:19	12/12/16 19:31	321-60-8	
Terphenyl-d14 (S)	89	%	49-130		1	12/08/16 08:19	12/12/16 19:31	1718-51-0	
Phenol-d6 (S)	28	%	15-130		1	12/08/16 08:19	12/12/16 19:31	13127-88-3	
2-Fluorophenol (S)	46	%	27-130		1	12/08/16 08:19	12/12/16 19:31	367-12-4	
2,4,6-Tribromophenol (S)	107	%	42-140		1	12/08/16 08:19	12/12/16 19:31	118-79-6	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 15:28	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 15:28	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 15:28	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 15:28	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 15:28	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/08/16 15:28	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 15:28	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 15:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-70A **Lab ID: 40143087023** Collected: 12/05/16 14:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 07:54	71-55-6	
1,1-Dichloroethane	0.26J	ug/L	1.0	0.24	1		12/09/16 07:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 07:54	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 07:54	127-18-4	
Trichloroethene	0.61J	ug/L	1.0	0.33	1		12/09/16 07:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/09/16 07:54	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/09/16 07:54	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/09/16 07:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-70A DUP **Lab ID: 40143087024** Collected: 12/05/16 15:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:49	71-55-6	
1,1-Dichloroethane	0.24J	ug/L	1.0	0.24	1		12/08/16 14:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:49	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:49	127-18-4	
Trichloroethene	0.41J	ug/L	1.0	0.33	1		12/08/16 14:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/08/16 14:49	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 14:49	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		12/08/16 14:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-70B **Lab ID: 40143087025** Collected: 12/05/16 15:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium, Dissolved	4.1J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:33	7440-43-9	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 08:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 08:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 08:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 08:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 08:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/09/16 08:16	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/09/16 08:16	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/09/16 08:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-74A **Lab ID: 40143087026** Collected: 12/05/16 15:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 08:38	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 08:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 08:38	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 08:38	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 08:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 08:38	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		12/09/16 08:38	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 08:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-74B **Lab ID: 40143087027** Collected: 12/05/16 15:20 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 09:00	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 09:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 09:00	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 09:00	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 09:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 09:00	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 09:00	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 09:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-75 **Lab ID: 40143087028** Collected: 12/05/16 14:55 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	2.4J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:36	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-76A **Lab ID: 40143087029** Collected: 12/06/16 11:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/08/16 08:19	12/12/16 19:52	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	79	%	43-130		1	12/08/16 08:19	12/12/16 19:52	4165-60-0	
2-Fluorobiphenyl (S)	93	%	41-130		1	12/08/16 08:19	12/12/16 19:52	321-60-8	
Terphenyl-d14 (S)	91	%	49-130		1	12/08/16 08:19	12/12/16 19:52	1718-51-0	
Phenol-d6 (S)	28	%	15-130		1	12/08/16 08:19	12/12/16 19:52	13127-88-3	
2-Fluorophenol (S)	44	%	27-130		1	12/08/16 08:19	12/12/16 19:52	367-12-4	
2,4,6-Tribromophenol (S)	117	%	42-140		1	12/08/16 08:19	12/12/16 19:52	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 11:33	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 11:33	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 11:33	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 11:33	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 11:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 11:33	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 11:33	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 11:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-76B **Lab ID: 40143087030** Collected: 12/06/16 11:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 09:22	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 09:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 09:22	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 09:22	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 09:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		12/09/16 09:22	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/09/16 09:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		12/09/16 09:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-77A **Lab ID: 40143087031** Collected: 12/06/16 10:30 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 09:43	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 09:43	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 09:43	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 09:43	127-18-4	
Trichloroethene	0.51J	ug/L	1.0	0.33	1		12/09/16 09:43	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 09:43	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 09:43	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 09:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-77B **Lab ID: 40143087032** Collected: 12/06/16 10:35 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/08/16 08:19	12/12/16 20:14	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	80	%	43-130		1	12/08/16 08:19	12/12/16 20:14	4165-60-0	
2-Fluorobiphenyl (S)	87	%	41-130		1	12/08/16 08:19	12/12/16 20:14	321-60-8	
Terphenyl-d14 (S)	86	%	49-130		1	12/08/16 08:19	12/12/16 20:14	1718-51-0	
Phenol-d6 (S)	26	%	15-130		1	12/08/16 08:19	12/12/16 20:14	13127-88-3	
2-Fluorophenol (S)	47	%	27-130		1	12/08/16 08:19	12/12/16 20:14	367-12-4	
2,4,6-Tribromophenol (S)	112	%	42-140		1	12/08/16 08:19	12/12/16 20:14	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 10:05	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 10:05	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 10:05	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 10:05	127-18-4	
Trichloroethene	1.4	ug/L	1.0	0.33	1		12/09/16 10:05	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 10:05	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 10:05	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 10:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-77C **Lab ID: 40143087033** Collected: 12/06/16 10:40 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 10:27	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 10:27	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 10:27	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 10:27	127-18-4	
Trichloroethene	0.60J	ug/L	1.0	0.33	1		12/09/16 10:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/09/16 10:27	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 10:27	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 10:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-77C DUP **Lab ID: 40143087034** Collected: 12/06/16 10:40 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 10:49	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 10:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 10:49	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 10:49	127-18-4	
Trichloroethene	0.52J	ug/L	1.0	0.33	1		12/09/16 10:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/09/16 10:49	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 10:49	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/09/16 10:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: TRIP BLANK **Lab ID: 40143087035** Collected: 12/06/16 00:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 07:11	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 07:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 07:11	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 07:11	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 07:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/09/16 07:11	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 07:11	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 07:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-5A **Lab ID: 40143087036** Collected: 12/05/16 11:50 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 11:11	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 11:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 11:11	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 11:11	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 11:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 11:11	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 11:11	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 11:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-5B **Lab ID: 40143087037** Collected: 12/05/16 11:45 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 10:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 10:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 10:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/08/16 10:19	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		12/08/16 10:19	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		12/08/16 10:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

QC Batch: 243680 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 40143087013

METHOD BLANK: 1443376 Matrix: Water
Associated Lab Samples: 40143087013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<1.3	5.0	12/09/16 10:22	
Nickel	ug/L	<2.6	10.0	12/09/16 10:22	
Total Hardness by 2340B	ug/L	<150	2000	12/09/16 10:22	
Zinc	ug/L	<9.3	40.0	12/09/16 10:22	

LABORATORY CONTROL SAMPLE: 1443377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	500	474	95	80-120	
Nickel	ug/L	500	477	95	80-120	
Total Hardness by 2340B	ug/L		33100			
Zinc	ug/L	500	481	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443378 1443379

Parameter	Units	40143037001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	Spike Conc.	Result	MS Result	MSD Result	% Rec	% Rec				
Cadmium	ug/L	<1.3	500	500	492	484	98	97	75-125	2	20		
Nickel	ug/L	<2.6	500	500	483	479	97	96	75-125	1	20		
Total Hardness by 2340B	ug/L	397000			425000	418000				2	20		
Zinc	ug/L	<9.3	500	500	485	479	97	96	75-125	1	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

QC Batch: 244011 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 40143087016, 40143087017, 40143087018, 40143087019, 40143087022, 40143087025, 40143087028

METHOD BLANK: 1445282 Matrix: Water
Associated Lab Samples: 40143087016, 40143087017, 40143087018, 40143087019, 40143087022, 40143087025, 40143087028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	12/14/16 11:03	

LABORATORY CONTROL SAMPLE: 1445283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	467	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1445284 1445285

Parameter	Units	40143087016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium, Dissolved	ug/L	18.8	500	500	490	493	94	95	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

QC Batch: 243576 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40143087001, 40143087002, 40143087003, 40143087004, 40143087005, 40143087006, 40143087007, 40143087008, 40143087009, 40143087010, 40143087011, 40143087012, 40143087013, 40143087014, 40143087015, 40143087018, 40143087019, 40143087020, 40143087021, 40143087022

METHOD BLANK: 1442772 Matrix: Water
 Associated Lab Samples: 40143087001, 40143087002, 40143087003, 40143087004, 40143087005, 40143087006, 40143087007, 40143087008, 40143087009, 40143087010, 40143087011, 40143087012, 40143087013, 40143087014, 40143087015, 40143087018, 40143087019, 40143087020, 40143087021, 40143087022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/08/16 08:51	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/08/16 08:51	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/08/16 08:51	
Tetrachloroethene	ug/L	<0.50	1.0	12/08/16 08:51	
Trichloroethene	ug/L	<0.33	1.0	12/08/16 08:51	
4-Bromofluorobenzene (S)	%	95	70-130	12/08/16 08:51	
Dibromofluoromethane (S)	%	102	70-130	12/08/16 08:51	
Toluene-d8 (S)	%	93	70-130	12/08/16 08:51	

LABORATORY CONTROL SAMPLE: 1442773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.7	113	70-131	
1,1-Dichloroethane	ug/L	50	54.5	109	70-133	
1,1-Dichloroethene	ug/L	50	55.3	111	70-130	
Tetrachloroethene	ug/L	50	47.4	95	70-138	
Trichloroethene	ug/L	50	52.6	105	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442847 1442848

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40143087006 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	57.6	57.3	115	115	70-134	0	20
1,1-Dichloroethane	ug/L	<0.24	50	50	54.5	54.1	109	108	70-134	1	20
1,1-Dichloroethene	ug/L	<0.41	50	50	54.6	54.8	109	110	68-136	0	20
Tetrachloroethene	ug/L	<0.50	50	50	50.8	49.9	102	100	70-148	2	20
Trichloroethene	ug/L	<0.33	50	50	54.1	54.2	108	108	70-131	0	20
4-Bromofluorobenzene (S)	%						98	100	70-130		
Dibromofluoromethane (S)	%						103	102	70-130		
Toluene-d8 (S)	%						93	92	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

QC Batch: 243577 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40143087023, 40143087024, 40143087025, 40143087026, 40143087027, 40143087029, 40143087030, 40143087031, 40143087032, 40143087033, 40143087034, 40143087035, 40143087036

METHOD BLANK: 1442774 Matrix: Water
 Associated Lab Samples: 40143087023, 40143087024, 40143087025, 40143087026, 40143087027, 40143087029, 40143087030, 40143087031, 40143087032, 40143087033, 40143087034, 40143087035, 40143087036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/08/16 08:23	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/08/16 08:23	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/08/16 08:23	
Tetrachloroethene	ug/L	<0.50	1.0	12/08/16 08:23	
Trichloroethene	ug/L	<0.33	1.0	12/08/16 08:23	
4-Bromofluorobenzene (S)	%	91	70-130	12/08/16 08:23	
Dibromofluoromethane (S)	%	102	70-130	12/08/16 08:23	
Toluene-d8 (S)	%	99	70-130	12/08/16 08:23	

LABORATORY CONTROL SAMPLE: 1442775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.7	107	70-131	
1,1-Dichloroethane	ug/L	50	53.2	106	70-133	
1,1-Dichloroethene	ug/L	50	48.5	97	70-130	
Tetrachloroethene	ug/L	50	50.2	100	70-138	
Trichloroethene	ug/L	50	52.8	106	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442816 1442817

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40143087024 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.50	50	50	54.3	51.7	109	103	70-134	5	20
1,1-Dichloroethane	ug/L	0.24J	50	50	54.0	51.7	107	103	70-134	4	20
1,1-Dichloroethene	ug/L	<0.41	50	50	51.6	49.3	103	99	68-136	5	20
Tetrachloroethene	ug/L	<0.50	50	50	50.8	49.5	102	99	70-148	3	20
Trichloroethene	ug/L	0.41J	50	50	53.9	50.3	107	100	70-131	7	20
4-Bromofluorobenzene (S)	%						100	103	70-130		
Dibromofluoromethane (S)	%						101	101	70-130		
Toluene-d8 (S)	%						96	97	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

QC Batch: 243579 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40143087037

METHOD BLANK: 1442778 Matrix: Water
Associated Lab Samples: 40143087037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/08/16 08:49	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/08/16 08:49	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/08/16 08:49	
Tetrachloroethene	ug/L	<0.50	1.0	12/08/16 08:49	
Trichloroethene	ug/L	<0.33	1.0	12/08/16 08:49	
4-Bromofluorobenzene (S)	%	89	70-130	12/08/16 08:49	
Dibromofluoromethane (S)	%	111	70-130	12/08/16 08:49	
Toluene-d8 (S)	%	92	70-130	12/08/16 08:49	

LABORATORY CONTROL SAMPLE: 1442779

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.2	114	70-131	
1,1-Dichloroethane	ug/L	50	52.2	104	70-133	
1,1-Dichloroethene	ug/L	50	51.7	103	70-130	
Tetrachloroethene	ug/L	50	51.8	104	70-138	
Trichloroethene	ug/L	50	52.6	105	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			114	70-130	
Toluene-d8 (S)	%			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442849 1442850

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40143087037 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	51.9	54.7	104	109	70-134	5	20
1,1-Dichloroethane	ug/L	<0.24	50	50	47.8	51.0	96	102	70-134	6	20
1,1-Dichloroethene	ug/L	<0.41	50	50	46.7	50.0	93	100	68-136	7	20
Tetrachloroethene	ug/L	<0.50	50	50	53.7	52.2	107	104	70-148	3	20
Trichloroethene	ug/L	<0.33	50	50	53.7	53.2	107	106	70-131	1	20
4-Bromofluorobenzene (S)	%						101	103	70-130		
Dibromofluoromethane (S)	%						102	108	70-130		
Toluene-d8 (S)	%						93	93	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

QC Batch: 243604 Analysis Method: EPA 8270
 QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
 Associated Lab Samples: 40143087018, 40143087022, 40143087029, 40143087032

METHOD BLANK: 1442839 Matrix: Water
 Associated Lab Samples: 40143087018, 40143087022, 40143087029, 40143087032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	12/08/16 15:23	
2,4,6-Tribromophenol (S)	%	76	42-140	12/08/16 15:23	
2-Fluorobiphenyl (S)	%	84	41-130	12/08/16 15:23	
2-Fluorophenol (S)	%	41	27-130	12/08/16 15:23	
Nitrobenzene-d5 (S)	%	72	43-130	12/08/16 15:23	
Phenol-d6 (S)	%	26	15-130	12/08/16 15:23	
Terphenyl-d14 (S)	%	91	49-130	12/08/16 15:23	

LABORATORY CONTROL SAMPLE & LCSD: 1442840

1442841

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4,6-Tribromophenol (S)	%				108	113	42-140			
2-Fluorobiphenyl (S)	%				97	91	41-130			
2-Fluorophenol (S)	%				47	60	27-130			
Nitrobenzene-d5 (S)	%				92	86	43-130			
Phenol-d6 (S)	%				37	41	15-130			
Terphenyl-d14 (S)	%				96	95	49-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 243712

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143087013	MH-18	EPA 3010	243680	EPA 6010	243783
40143087016	MW-10A	EPA 3010	244011	EPA 6010	244125
40143087017	MW-10B	EPA 3010	244011	EPA 6010	244125
40143087018	MW-34A	EPA 3010	244011	EPA 6010	244125
40143087019	MW-34B	EPA 3010	244011	EPA 6010	244125
40143087022	MW-68B	EPA 3010	244011	EPA 6010	244125
40143087025	MW-70B	EPA 3010	244011	EPA 6010	244125
40143087028	MW-75	EPA 3010	244011	EPA 6010	244125
40143087018	MW-34A	EPA 3510	243604	EPA 8270	243712
40143087022	MW-68B	EPA 3510	243604	EPA 8270	243712
40143087029	MW-76A	EPA 3510	243604	EPA 8270	243712
40143087032	MW-77B	EPA 3510	243604	EPA 8270	243712
40143087001	EW-1R-76'	EPA 8260	243576		
40143087002	EW-1R-86'	EPA 8260	243576		
40143087003	EW-1R-96'	EPA 8260	243576		
40143087004	EW-2-81'	EPA 8260	243576		
40143087005	EW-2-91'	EPA 8260	243576		
40143087006	MW-62AR	EPA 8260	243576		
40143087007	MW-62B	EPA 8260	243576		
40143087008	MW-66A	EPA 8260	243576		
40143087009	MW-66B	EPA 8260	243576		
40143087010	MW-66C	EPA 8260	243576		
40143087011	EW-5-78'	EPA 8260	243576		
40143087012	EW-5-88'	EPA 8260	243576		
40143087013	MH-18	EPA 8260	243576		
40143087014	MW-4A	EPA 8260	243576		
40143087015	MW-4B	EPA 8260	243576		
40143087018	MW-34A	EPA 8260	243576		
40143087019	MW-34B	EPA 8260	243576		
40143087020	MW-34C	EPA 8260	243576		
40143087021	MW-68A	EPA 8260	243576		
40143087022	MW-68B	EPA 8260	243576		
40143087023	MW-70A	EPA 8260	243577		
40143087024	MW-70A DUP	EPA 8260	243577		
40143087025	MW-70B	EPA 8260	243577		
40143087026	MW-74A	EPA 8260	243577		
40143087027	MW-74B	EPA 8260	243577		
40143087029	MW-76A	EPA 8260	243577		
40143087030	MW-76B	EPA 8260	243577		
40143087031	MW-77A	EPA 8260	243577		
40143087032	MW-77B	EPA 8260	243577		
40143087033	MW-77C	EPA 8260	243577		
40143087034	MW-77C DUP	EPA 8260	243577		
40143087035	TRIP BLANK	EPA 8260	243577		
40143087036	MW-5A	EPA 8260	243577		
40143087037	MW-5B	EPA 8260	243579		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming

Branch/Location: Madison, WI

Project Contact: Dave Olig

Phone: 608-836-1500

Project Number: 34283.000

Project Name: National Presto Epd (NPE)

Project State: WI

Sampled By (Print): Chelsea Payne

Sampled By (Sign): Chelsea Payne

PO #: _____ Regulatory Program: _____



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested
N	B	VOLS 12PI Sheet Test CD 1,4-diox. PAH, pentachlor. Total METALS/PAHs + hardness/8270
Y	D	
N	A	
N	D	

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRX
		DATE	TIME	
001	EW-1R-76'	12-5	1130	GW
002	EW-1R-86'		1135	
003	EW-1R-96'		1140	
004	EW-2-81'		1115	
005	EW-2-91'		1200	
006	MW-62AR		1125	
007	MW-62B		1120	
008	MW-66A		1105	
009	MW-66B		1115	
010	MW-66C		1116	
011	EW-5-78'	12-6	1005	
012	EW-5-88'		1010	
013	MH-18		955	

Quote #: _____

Mail To Contact: Dave Olig

Mail To Company: Gannett Fleming

Mail To Address: 8025 Excelsior Dr
Madison, WI 53717

Invoice To Contact: See mail

Invoice To Company: _____

Invoice To Address: to

Invoice To Phone: 608-836-1500

CLIENT COMMENTS: _____

LAB COMMENTS (Lab Use Only): _____

Profile #: _____

Sent copy of 3-40ml vials report to Marcia A Kuehl 3740 Charlevoix Ct Green Bay, WI 54311

PH=7.1, 50°F

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want): _____

Relinquished By: Mary Mussy (GF) Date/Time: 12-6, 1300

Relinquished By: Nurham Date/Time: 12-7-16 0730

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Received By: Susan K Wyle Date/Time: 12-7-16 0730

Received By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

PACE Project No. 40143087

Receipt Temp = RO I °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Page 56 of 60

(Please Print Clearly)

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436



CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	N	Y	N							
Pick Letter	B	D	A							
Analyses Requested	VOCs NPI short list			CD	1,4-Dioxane					
	3'									
	3'									
		1'								
	3'	1'	2'							
	3'	1'								
	3'									
	3'	1'	2'							
	3'									
	2'	1'								
	3'									

Company Name: _____
 Branch/Location: _____
 Project Contact: *See page 1*
 Phone: _____
 Project Number: _____
 Project Name: _____
 Project State: _____
 Sampled By (Print): _____
 Sampled By (Sign): _____
 PO #: _____ Regulatory Program: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRX
		DATE	TIME	
014	MW-4A	12-5	1600	6W
015	MW-4B		1605	
016	MW-10A		1400	
017	MW-10B		1405	
018	MW-34A		1410	
019	MW-34B		1415	
020	MW-34C		1420	
021	MW-68A		1530	
022	MW-68B		1535	
023	MW-70A		1400	
024	MW-70A Dup		1500	
025	MW-70B		1505	
026	MW-74A		1515	

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	3-40mlVB	
	↓	
	1-250mlp ^D	
2-1Lag ^A	3-40mlVB, 1-250mlp ^D	
	↓	
2-1Lag ⁿ	1-250mlp ^D	
	↓	
	2-40mlVB, 1-250mlp ^D	
	3-40mlVB	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	FACE Project No. 40143087
	Relinquished By: <i>Dunham</i> Date/Time: <i>12-7-16 0730</i>	Received By: <i>Susan Wylie</i> Date/Time: <i>12-7-16 0730</i>	
Transmit Prelim Rush Results by (complete what you want):	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Sample Receipt pH <i>OK</i> Adjusted
Email #1: _____	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Cooler Custody Seal Intact / Not Intact
Email #2: _____	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Telephone: _____	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Fax: _____	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Samples on HOLD are subject to special pricing and release of liability	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	

(Please Print Clearly)

UPPER MIDWEST REGION



MN: 612-607-1700 WI: 920-469-2436

Company Name: _____
 Branch/Location: *See Page 1*
 Project Contact: _____
 Phone: _____
 Project Number: _____
 Project Name: _____
 Project State: _____
 Sampled By (Print): _____
 Sampled By (Sign): _____
 PO #: _____ Regulatory Program: _____

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	N	Y	N															
Pick Letter	B	D	A															
Analyses Requested																		

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRX	DATE	TIME	ANALYSES REQUESTED	Y/N	PICK LETTER	PRESERVATION CODE	FILTERED?
		DATE	TIME								
027	MW-74B	12-5	1520	6W			3'				
028	MW-75	"	1455				1'				
029	MW-76A	12-6	1110				3'				
030	MW-76B	"	1115				3'				
031	MW-77A		1030				3'				
032	MW-77B		1035				3'				
033	MW-77C		1040				3'				
034	MW-77C Dup		1040				3'				
035	TRIP BLANK										
036	MW-5A	12-5	1150	6W			3'				
037	MW-5B	"	1145				3'				

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	3-40mlVB	
2-1Lag ^A	3-40mlVB	1-250mlp ^A
2-1Lag ^A		
	2-40mlVB	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed: _____ Transmit Prelim Rush Results by (complete what you want): _____ Email #1: _____ Email #2: _____ Telephone: _____ Fax: _____ Samples on HOLD are subject to special pricing and release of liability	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	PACE Project No. 40143087 Receipt Temp = ROT °C Sample Receipt pH OK / Adjusted Cooler Custody Seal Intact / Not Intact
	Relinquished By: <i>Reinhart</i> Date/Time: <i>12-7-16 0730</i>	Received By: <i>Suzanne Wylie</i> Date/Time: <i>12-7-16 0730</i>	
	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Condition Upon Receipt

Client Name: Gannett, Fleming Project # 40142087

Additional Comments/Resolution: _____

004 - Collect time on samples 1155

005 - Last digit of ID scratched out.

029 - Collect time on 3-40ml vial is 1010.

12-7-10 SKW

023 collect time "1500" BU 12/7/10

023 - 1 vial frozen with raised septa

031 - " " " "

12-7-10
SKW

Project Manager Review: _____

Date: _____

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

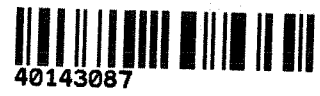


Client Name: Garnett Fleming

Project # **WO#: 40143087**

Courier: Fed Ex UPS Client Pace Other: Dunham

Tracking #: 1239526



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Wet Blue Dry None

Cooler Temperature: Uncorr: ROI / Corr: _____ Samples on ice, cooling process has begun

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 12-7-16
Initials: SW

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>See attached form</u>
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	<u>12-7-16 SW</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 < 2, NaOH+ZnAct ≥ 9, NaOH ≥ 12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: <u>SW</u> Lab Std #ID of preservative: _____ Date/Time: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>372</u> <u>12-7-14</u>	

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: OK for DM Date: 12-7-16

Project #34283.000
NPI Q4 GW
Reviewed by CCW
12/15/16

December 15, 2016

Dave Olig
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Dear Dave Olig:

Enclosed are the analytical results for sample(s) received by the laboratory on December 08, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.
Clifford Wright, Gannett Fleming



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143142001	EW-6	Water	12/06/16 14:20	12/08/16 07:30
40143142002	EW-6 DUP	Water	12/06/16 14:20	12/08/16 07:30
40143142003	MW-23A	Water	12/06/16 15:00	12/08/16 07:30
40143142004	MW-23A DUP	Water	12/06/16 15:00	12/08/16 07:30
40143142005	MW-23B	Water	12/06/16 15:05	12/08/16 07:30
40143142006	MW-38B	Water	12/06/16 15:45	12/08/16 07:30
40143142007	RW-2A	Water	12/06/16 14:45	12/08/16 07:30
40143142008	RW-2B	Water	12/06/16 14:50	12/08/16 07:30
40143142009	RW-2C	Water	12/06/16 14:55	12/08/16 07:30
40143142010	RW-15	Water	12/06/16 15:30	12/08/16 07:30
40143142011	MW-65B	Water	12/06/16 16:10	12/08/16 07:30
40143142012	MW-65C	Water	12/06/16 16:15	12/08/16 07:30
40143142013	EW-5-78'	Water	12/06/16 10:05	12/08/16 07:30
40143142014	EW-5-88'	Water	12/06/16 10:10	12/08/16 07:30
40143142015	TRIP BLANK	Water	12/06/16 00:00	12/08/16 07:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143142001	EW-6	EPA 6010	DLB	1	PASI-G
		EPA 8260	LAP	8	PASI-G
40143142002	EW-6 DUP	EPA 8260	LAP	8	PASI-G
40143142003	MW-23A	EPA 8260	LAP	8	PASI-G
40143142004	MW-23A DUP	EPA 8260	LAP	8	PASI-G
40143142005	MW-23B	EPA 8260	LAP	8	PASI-G
40143142006	MW-38B	EPA 8270	RJN	7	PASI-G
		EPA 8260	LAP	8	PASI-G
40143142007	RW-2A	EPA 8260	LAP	8	PASI-G
40143142008	RW-2B	EPA 8260	LAP	8	PASI-G
40143142009	RW-2C	EPA 8260	LAP	8	PASI-G
40143142010	RW-15	EPA 8260	LAP	8	PASI-G
40143142011	MW-65B	EPA 8260	LAP	8	PASI-G
40143142012	MW-65C	EPA 8260	LAP	8	PASI-G
40143142013	EW-5-78'	EPA 6010	DLB	1	PASI-G
40143142014	EW-5-88'	EPA 6010	DLB	1	PASI-G
40143142015	TRIP BLANK	EPA 8260	LAP	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40143142001	EW-6					
EPA 8260	1,1,1-Trichloroethane	1.2	ug/L	1.0	12/09/16 15:25	
EPA 8260	Trichloroethene	0.69J	ug/L	1.0	12/09/16 15:25	
40143142002	EW-6 DUP					
EPA 8260	1,1,1-Trichloroethane	1.2	ug/L	1.0	12/09/16 15:47	
EPA 8260	Trichloroethene	0.70J	ug/L	1.0	12/09/16 15:47	
40143142003	MW-23A					
EPA 8260	Trichloroethene	0.98J	ug/L	1.0	12/09/16 16:08	
40143142004	MW-23A DUP					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	12/09/16 16:30	
40143142005	MW-23B					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	12/09/16 16:52	
40143142006	MW-38B					
EPA 8260	1,1,1-Trichloroethane	0.65J	ug/L	1.0	12/09/16 17:14	
EPA 8260	Trichloroethene	3.2	ug/L	1.0	12/09/16 17:14	
40143142007	RW-2A					
EPA 8260	Trichloroethene	0.77J	ug/L	1.0	12/09/16 17:36	
40143142008	RW-2B					
EPA 8260	1,1,1-Trichloroethane	0.64J	ug/L	1.0	12/09/16 17:57	
EPA 8260	Trichloroethene	2.0	ug/L	1.0	12/09/16 17:57	
40143142009	RW-2C					
EPA 8260	1,1,1-Trichloroethane	0.52J	ug/L	1.0	12/09/16 18:19	
EPA 8260	Trichloroethene	1.6	ug/L	1.0	12/09/16 18:19	
40143142010	RW-15					
EPA 8260	Trichloroethene	3.1	ug/L	1.0	12/09/16 18:41	
40143142011	MW-65B					
EPA 8260	Trichloroethene	0.55J	ug/L	1.0	12/09/16 19:03	
40143142012	MW-65C					
EPA 8260	Trichloroethene	0.68J	ug/L	1.0	12/09/16 19:24	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Method: EPA 8270
Description: 8270 MSSV Semivolatile Organic
Client: Gannett Fleming Inc.
Date: December 15, 2016

General Information:

1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Batch Comments:

- Many compounds failed low in the LCS, The MS/MSD met all LCS limits for accuracy and precision.
- QC Batch: 243828

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

13 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-6 **Lab ID: 40143142001** Collected: 12/06/16 14:20 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:38	7440-43-9	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	1.2	ug/L	1.0	0.50	1		12/09/16 15:25	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 15:25	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 15:25	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 15:25	127-18-4	
Trichloroethene	0.69J	ug/L	1.0	0.33	1		12/09/16 15:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 15:25	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 15:25	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 15:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-6 DUP **Lab ID: 40143142002** Collected: 12/06/16 14:20 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.2	ug/L	1.0	0.50	1		12/09/16 15:47	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 15:47	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 15:47	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 15:47	127-18-4	
Trichloroethene	0.70J	ug/L	1.0	0.33	1		12/09/16 15:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 15:47	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 15:47	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 15:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-23A **Lab ID: 40143142003** Collected: 12/06/16 15:00 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 16:08	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 16:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 16:08	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 16:08	127-18-4	
Trichloroethene	0.98J	ug/L	1.0	0.33	1		12/09/16 16:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 16:08	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 16:08	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 16:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-23A DUP **Lab ID: 40143142004** Collected: 12/06/16 15:00 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 16:30	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 16:30	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 16:30	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 16:30	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.33	1		12/09/16 16:30	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 16:30	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		12/09/16 16:30	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 16:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-23B **Lab ID: 40143142005** Collected: 12/06/16 15:05 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 16:52	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 16:52	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 16:52	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 16:52	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.33	1		12/09/16 16:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 16:52	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		12/09/16 16:52	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 16:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-38B **Lab ID: 40143142006** Collected: 12/06/16 15:45 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.8	2.9	1	12/09/16 08:03	12/13/16 11:46	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	12/09/16 08:03	12/13/16 11:46	4165-60-0	
2-Fluorobiphenyl (S)	82	%	41-130		1	12/09/16 08:03	12/13/16 11:46	321-60-8	
Terphenyl-d14 (S)	91	%	49-130		1	12/09/16 08:03	12/13/16 11:46	1718-51-0	
Phenol-d6 (S)	23	%	15-130		1	12/09/16 08:03	12/13/16 11:46	13127-88-3	
2-Fluorophenol (S)	38	%	27-130		1	12/09/16 08:03	12/13/16 11:46	367-12-4	
2,4,6-Tribromophenol (S)	92	%	42-140		1	12/09/16 08:03	12/13/16 11:46	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.65J	ug/L	1.0	0.50	1		12/09/16 17:14	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 17:14	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 17:14	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 17:14	127-18-4	
Trichloroethene	3.2	ug/L	1.0	0.33	1		12/09/16 17:14	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 17:14	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 17:14	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 17:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: RW-2A **Lab ID: 40143142007** Collected: 12/06/16 14:45 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 17:36	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 17:36	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 17:36	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 17:36	127-18-4	
Trichloroethene	0.77J	ug/L	1.0	0.33	1		12/09/16 17:36	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 17:36	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 17:36	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 17:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: RW-2B **Lab ID: 40143142008** Collected: 12/06/16 14:50 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.64J	ug/L	1.0	0.50	1		12/09/16 17:57	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 17:57	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 17:57	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 17:57	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.33	1		12/09/16 17:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 17:57	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 17:57	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 17:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: RW-2C **Lab ID: 40143142009** Collected: 12/06/16 14:55 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.52J	ug/L	1.0	0.50	1		12/09/16 18:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 18:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 18:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 18:19	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.33	1		12/09/16 18:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 18:19	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 18:19	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 18:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Sample: RW-15 **Lab ID: 40143142010** Collected: 12/06/16 15:30 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 18:41	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 18:41	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 18:41	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 18:41	127-18-4	
Trichloroethene	3.1	ug/L	1.0	0.33	1		12/09/16 18:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 18:41	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 18:41	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 18:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-65B **Lab ID: 40143142011** Collected: 12/06/16 16:10 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 19:03	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 19:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 19:03	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 19:03	127-18-4	
Trichloroethene	0.55J	ug/L	1.0	0.33	1		12/09/16 19:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 19:03	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 19:03	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 19:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-65C **Lab ID: 40143142012** Collected: 12/06/16 16:15 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 19:24	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 19:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 19:24	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 19:24	127-18-4	
Trichloroethene	0.68J	ug/L	1.0	0.33	1		12/09/16 19:24	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 19:24	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 19:24	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 19:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-5-78' **Lab ID: 40143142013** Collected: 12/06/16 10:05 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:41	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-5-88' **Lab ID: 40143142014** Collected: 12/06/16 10:10 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:43	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: TRIP BLANK **Lab ID: 40143142015** Collected: 12/06/16 00:00 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 15:03	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 15:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 15:03	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 15:03	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 15:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 15:03	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		12/09/16 15:03	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 15:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

QC Batch: 244011 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 40143142001, 40143142013, 40143142014

METHOD BLANK: 1445282 Matrix: Water
Associated Lab Samples: 40143142001, 40143142013, 40143142014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	12/14/16 11:03	

LABORATORY CONTROL SAMPLE: 1445283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	467	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1445284 1445285

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40143087016 Result	Spike Conc.	Spike Conc.	Result						
Cadmium, Dissolved	ug/L	18.8	500	500	490	493	94	95	75-125	1	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.

QC Project No.: 40143142

QC Batch:	243650	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40143142001, 40143142002, 40143142003, 40143142004, 40143142005, 40143142006, 40143142007, 40143142008, 40143142009, 40143142010, 40143142011, 40143142012, 40143142015		

METHOD BLANK: 1443142 Matrix: Water
Associated Lab Samples: 40143142001, 40143142002, 40143142003, 40143142004, 40143142005, 40143142006, 40143142007, 40143142008, 40143142009, 40143142010, 40143142011, 40143142012, 40143142015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/09/16 12:51	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/09/16 12:51	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/09/16 12:51	
Tetrachloroethene	ug/L	<0.50	1.0	12/09/16 12:51	
Trichloroethene	ug/L	<0.33	1.0	12/09/16 12:51	
4-Bromofluorobenzene (S)	%	88	70-130	12/09/16 12:51	
Dibromofluoromethane (S)	%	106	70-130	12/09/16 12:51	
Toluene-d8 (S)	%	96	70-130	12/09/16 12:51	

LABORATORY CONTROL SAMPLE: 1443143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.9	116	70-131	
1,1-Dichloroethane	ug/L	50	60.3	121	70-133	
1,1-Dichloroethene	ug/L	50	55.7	111	70-130	
Tetrachloroethene	ug/L	50	50.7	101	70-138	
Trichloroethene	ug/L	50	55.5	111	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			108	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443445 1443446

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40143136001 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.50	50	50	56.7	56.1	113	112	70-134	1	20
1,1-Dichloroethane	ug/L	<0.24	50	50	58.5	57.9	117	116	70-134	1	20
1,1-Dichloroethene	ug/L	<0.41	50	50	56.4	56.7	113	113	68-136	1	20
Tetrachloroethene	ug/L	<0.50	50	50	50.5	49.3	101	99	70-148	2	20
Trichloroethene	ug/L	<0.33	50	50	54.5	54.4	109	109	70-131	0	20
4-Bromofluorobenzene (S)	%						105	104	70-130		
Dibromofluoromethane (S)	%						105	107	70-130		
Toluene-d8 (S)	%						94	97	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

QC Batch: 243753 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40143142006

METHOD BLANK: 1443667 Matrix: Water
Associated Lab Samples: 40143142006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	12/12/16 14:11	
2,4,6-Tribromophenol (S)	%	94	42-140	12/12/16 14:11	
2-Fluorobiphenyl (S)	%	77	41-130	12/12/16 14:11	
2-Fluorophenol (S)	%	42	27-130	12/12/16 14:11	
Nitrobenzene-d5 (S)	%	75	43-130	12/12/16 14:11	
Phenol-d6 (S)	%	29	15-130	12/12/16 14:11	
Terphenyl-d14 (S)	%	91	49-130	12/12/16 14:11	

LABORATORY CONTROL SAMPLE: 1443668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Tribromophenol (S)	%			78	42-140	
2-Fluorobiphenyl (S)	%			65	41-130	
2-Fluorophenol (S)	%			32	27-130	
Nitrobenzene-d5 (S)	%			60	43-130	
Phenol-d6 (S)	%			23	15-130	
Terphenyl-d14 (S)	%			62	49-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443669 1443670

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40143102008	Spike Conc.	Spike Conc.	MS Result					
2,4,6-Tribromophenol (S)	%					113	117	42-140		
2-Fluorobiphenyl (S)	%					94	98	41-130		
2-Fluorophenol (S)	%					48	42	27-130		
Nitrobenzene-d5 (S)	%					91	92	43-130		
Phenol-d6 (S)	%					32	30	15-130		
Terphenyl-d14 (S)	%					93	90	49-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 243828

[1] Many compounds failed low in the LCS, The MS/MSD met all LCS limits for accuracy and precision.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143142001	EW-6	EPA 3010	244011	EPA 6010	244125
40143142013	EW-5-78'	EPA 3010	244011	EPA 6010	244125
40143142014	EW-5-88'	EPA 3010	244011	EPA 6010	244125
40143142006	MW-38B	EPA 3510	243753	EPA 8270	243828
40143142001	EW-6	EPA 8260	243650		
40143142002	EW-6 DUP	EPA 8260	243650		
40143142003	MW-23A	EPA 8260	243650		
40143142004	MW-23A DUP	EPA 8260	243650		
40143142005	MW-23B	EPA 8260	243650		
40143142006	MW-38B	EPA 8260	243650		
40143142007	RW-2A	EPA 8260	243650		
40143142008	RW-2B	EPA 8260	243650		
40143142009	RW-2C	EPA 8260	243650		
40143142010	RW-15	EPA 8260	243650		
40143142011	MW-65B	EPA 8260	243650		
40143142012	MW-65C	EPA 8260	243650		
40143142015	TRIP BLANK	EPA 8260	243650		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison WI
 Project Contact: Dave Olig
 Phone: 608-836-1500
 Project Number: 34283.000
 Project Name: National Presto Ind.
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): Chelsea Payne
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40143142

Page 29 of 31

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested	1	2	3	4	5	6	7	8	9	10	11	12
N	B	NOCS MPI Short List												
Y	D	GD												
N	A	1,4-DIOX												

Quote #: _____
 Mail To Contact: Dave Olig
 Mail To Company: Gannett Fleming
 Mail To Address: 8025 Excelsior Dr
Madison, WI 53717
 Invoice To Contact: See Mail
 Invoice To Company: to
 Invoice To Address: _____
 Invoice To Phone: 608-836-1500
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air B = Biota C = Charcoal O = Oil S = Soil SI = Sludge
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	EW-6	12-6	1420	GW
002	EW-6 Dup		1420	
003	MW-23A		1500	
004	MW-23A Dup		1500	
005	MW-23B		1505	
006	MW-38B		1545	
007	RW-2A		1445	
	RW-2A Dup		1445	
008	RW-2B		1450	
009	RW-2C		1455	
010	RW-15		1530	
011	MW-65B		1610	
012	MW-65C		1615	

Send copy of report to Marcia A Kuehl
 8740 Charlevoix Ct
 Green Bay, WI 54311
 2-lag^A

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <u>Marcus Mussey</u> Date/Time: <u>12-7-1300</u>	Received By: _____ Date/Time: _____	PACE Project No. <u>40143142</u> Receipt Temp = <u>Ro I</u> °C Sample Receipt pH <u>(OK) Adjusted</u> Cooler Custody Seal Present / <u>Not Present</u> Intact / Not Intact
Transmit Prelim Rush Results by (complete what you want):	Relinquished By: <u>Kuehan</u> Date/Time: <u>12-8-16 0730</u>	Received By: <u>Susank Wylie</u> Date/Time: <u>12-8-16 0730</u>	
Email #1:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Email #2:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Telephone:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Fax:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	

(Please Print Clearly)

Company Name: *Gannett Fleming*
 Branch/Location: *Madison, WI*
 Project Contact: *Dave Olig*
 Phone: *608-836-4500*
 Project Number: *34283.000*
 Project Name: *National Presto Ind. (NPI)*
 Project State: *WI*
 Sampled By (Print): *Chelsea Payne*
 Sampled By (Sign): *Chelsea Payne*
 PO #:



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analysis Requested
N	B	VOCs WFI Short List
Y	D	
		GP

Quote #:
 Mail To Contact: *Dave Olig*
 Mail To Company: *Gannett Fleming*
 Mail To Address: *9025 Excelsior Dr
Madison, WI 53717*
 Invoice To Contact:
 Invoice To Company: *See mail to*
 Invoice To Address:
 Invoice To Phone: *608-836-1560*
 CLIENT COMMENTS: *Send copy of report to Marcia A Koehl
3740 Charlevon Ct
Green Bay, WI
54311*
 LAB COMMENTS (Lab Use Only): *1-250ml/p
↓*
 Profile #

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
<i>013</i>	<i>EW-5 -78'</i>	<i>12-6</i>	<i>1005</i>	<i>GW</i>
<i>014</i>	<i>EW-5 -88'</i>		<i>1010</i>	
	<i>MH 18</i>		<i>955</i>	
<i>015</i>	<i>Trip Blank</i>			

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>Durham</i> Date/Time: <i>12/7, 1300</i>	Received By: <i>Susank W...</i> Date/Time: <i>12-8-16 0730</i>	PACE Project No. <i>40143142</i>
	Transmit Prelim Rush Results by (complete what you want):	Relinquished By: <i>Durham</i> Date/Time: <i>12-8-16 0730</i>	
Email #1:	Relinquished By:	Received By:	Receipt Temp = <i>ROI</i> °C
Email #2:	Relinquished By:	Received By:	Sample Receipt pH <i>OK/Adjusted</i>
Telephone:	Relinquished By:	Received By:	Cooler Custody Seal <i>Present / Not Present</i>
Fax:	Relinquished By:	Received By:	Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Client Name: Gannett Heming

Project #:

WO#: **40143142**

Courier: Fed Ex UPS Client Pace Other: Durham
Tracking #: 123 9527



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: RGT / Corr: _____ Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

Person examining contents:

Date: 12-8-16

Initials: SKW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
(HNO3, H2SO4, NaOH + ZnAct ≥ 9, NaOH ≥ 12)		
exceptions: (VOA) coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: <u>SKW</u> Lab Std #ID of preservative: _____ Date/Time: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>369</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AMH - BDM

Date: 12/8/16

December 20, 2016

Project #34283.000
NPI Q4 GW
Reviewed by CCW
12/20/16

Dave Olig
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

Dear Dave Olig:

Enclosed are the analytical results for sample(s) received by the laboratory on December 09, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.
Clifford Wright, Gannett Fleming



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
Alaska Certification UST-107
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322

Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150

Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143295001	CW-11	Water	12/07/16 09:20	12/09/16 09:55
40143295002	CW-15	Water	12/07/16 09:25	12/09/16 09:55
40143295003	CW-16	Water	12/07/16 09:10	12/09/16 09:55
40143295004	CW-17	Water	12/07/16 09:45	12/09/16 09:55
40143295005	CW-19	Water	12/07/16 09:30	12/09/16 09:55
40143295006	RAW	Water	12/07/16 09:00	12/09/16 09:55
40143295007	TOWER A	Water	12/07/16 09:05	12/09/16 09:55
40143295008	TOWER B	Water	12/07/16 09:07	12/09/16 09:55
40143295009	FINISHED PRODUCT	Water	12/07/16 08:50	12/09/16 09:55
40143295010	CW-19 DUP	Water	12/07/16 09:30	12/09/16 09:55

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143295001	CW-11	EPA 524.2	DJB	8	PASI-M
40143295002	CW-15	EPA 524.2	DJB	8	PASI-M
40143295003	CW-16	EPA 524.2	DJB	8	PASI-M
40143295004	CW-17	EPA 524.2	DJB	8	PASI-M
40143295005	CW-19	EPA 8270	RJN	3	PASI-G
		EPA 524.2	DJB	8	PASI-M
40143295006	RAW	EPA 524.2	DJB	8	PASI-M
40143295007	TOWER A	EPA 524.2	DJB	8	PASI-M
40143295008	TOWER B	EPA 524.2	DJB	8	PASI-M
40143295009	FINISHED PRODUCT	EPA 524.2	DJB	8	PASI-M
40143295010	CW-19 DUP	EPA 8270	RJN	3	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40143295002	CW-15					
EPA 524.2	Trichloroethene	0.18J	ug/L	0.40	12/13/16 18:34	
40143295005	CW-19					
EPA 524.2	1,1,1-Trichloroethane	0.27J	ug/L	0.50	12/13/16 19:41	
EPA 524.2	Trichloroethene	2.1	ug/L	0.40	12/13/16 19:41	
40143295006	RAW					
EPA 524.2	Trichloroethene	0.60	ug/L	0.40	12/13/16 20:03	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: December 20, 2016

General Information:

2 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 244127

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Batch Comments:

Requested compound is not in the spike mix, nearest compound had acceptable spike recoveries

- QC Batch: 244144

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

Method: EPA 524.2
Description: 524.2 MSV
Client: Gannett Fleming Inc.
Date: December 20, 2016

General Information:

9 samples were analyzed for EPA 524.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 451487

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-11 **Lab ID: 40143295001** Collected: 12/07/16 09:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:12	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:12	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:12	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:12	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 18:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		12/13/16 18:12	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/13/16 18:12	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:12	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-15 **Lab ID: 40143295002** Collected: 12/07/16 09:25 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:34	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:34	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:34	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:34	71-55-6	
Trichloroethene	0.18J	ug/L	0.40	0.044	1		12/13/16 18:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		12/13/16 18:34	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 18:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:34	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-16 **Lab ID: 40143295003** Collected: 12/07/16 09:10 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:57	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:57	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:57	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:57	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 18:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/13/16 18:57	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 18:57	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:57	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-17 **Lab ID: 40143295004** Collected: 12/07/16 09:45 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 19:19	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 19:19	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 19:19	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 19:19	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 19:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 19:19	460-00-4	
Toluene-d8 (S)	101	%	75-125		1		12/13/16 19:19	2037-26-5	
1,2-Dichloroethane-d4 (S)	115	%	75-125		1		12/13/16 19:19	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-19 **Lab ID: 40143295005** Collected: 12/07/16 09:30 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	12/14/16 07:29	12/14/16 20:11	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	44	%	43-130		1	12/14/16 07:29	12/14/16 20:11	4165-60-0	
2-Fluorobiphenyl (S)	61	%	41-130		1	12/14/16 07:29	12/14/16 20:11	321-60-8	
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 19:41	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 19:41	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 19:41	127-18-4	
1,1,1-Trichloroethane	0.27J	ug/L	0.50	0.10	1		12/13/16 19:41	71-55-6	
Trichloroethene	2.1	ug/L	0.40	0.044	1		12/13/16 19:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 19:41	460-00-4	
Toluene-d8 (S)	100	%	75-125		1		12/13/16 19:41	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 19:41	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: RAW **Lab ID: 40143295006** Collected: 12/07/16 09:00 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:03	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:03	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:03	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:03	71-55-6	
Trichloroethene	0.60	ug/L	0.40	0.044	1		12/13/16 20:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		12/13/16 20:03	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/13/16 20:03	2037-26-5	
1,2-Dichloroethane-d4 (S)	120	%	75-125		1		12/13/16 20:03	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: TOWER A **Lab ID: 40143295007** Collected: 12/07/16 09:05 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:25	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:25	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:25	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:25	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 20:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/13/16 20:25	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 20:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	117	%	75-125		1		12/13/16 20:25	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: TOWER B **Lab ID: 40143295008** Collected: 12/07/16 09:07 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:47	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:47	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:47	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:47	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 20:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 20:47	460-00-4	
Toluene-d8 (S)	101	%	75-125		1		12/13/16 20:47	2037-26-5	
1,2-Dichloroethane-d4 (S)	118	%	75-125		1		12/13/16 20:47	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: FINISHED PRODUCT **Lab ID: 40143295009** Collected: 12/07/16 08:50 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/17/16 00:16	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/17/16 00:16	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/17/16 00:16	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/17/16 00:16	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/17/16 00:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/17/16 00:16	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/17/16 00:16	2037-26-5	
1,2-Dichloroethane-d4 (S)	95	%	75-125		1		12/17/16 00:16	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

Sample: CW-19 DUP **Lab ID: 40143295010** Collected: 12/07/16 09:30 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/14/16 07:29	12/14/16 19:50	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	59	%	43-130		1	12/14/16 07:29	12/14/16 19:50	4165-60-0	
2-Fluorobiphenyl (S)	78	%	41-130		1	12/14/16 07:29	12/14/16 19:50	321-60-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

QC Batch: 451487 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40143295001, 40143295002, 40143295003, 40143295004, 40143295005, 40143295006, 40143295007, 40143295008

METHOD BLANK: 2472071 Matrix: Water
Associated Lab Samples: 40143295001, 40143295002, 40143295003, 40143295004, 40143295005, 40143295006, 40143295007, 40143295008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	0.50	12/13/16 12:20	
1,1-Dichloroethane	ug/L	<0.088	0.50	12/13/16 12:20	
1,1-Dichloroethene	ug/L	<0.089	0.50	12/13/16 12:20	
Tetrachloroethene	ug/L	<0.12	0.50	12/13/16 12:20	
Trichloroethene	ug/L	<0.044	0.40	12/13/16 12:20	
1,2-Dichloroethane-d4 (S)	%	114	75-125	12/13/16 12:20	
4-Bromofluorobenzene (S)	%	103	75-125	12/13/16 12:20	
Toluene-d8 (S)	%	101	75-125	12/13/16 12:20	

LABORATORY CONTROL SAMPLE & LCSD: 2472072

Parameter	Units	2472073							Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD		
1,1,1-Trichloroethane	ug/L	20	22.0	21.5	110	107	70-130	3	20	
1,1-Dichloroethane	ug/L	20	20.4	20.0	102	100	70-130	2	20	
1,1-Dichloroethene	ug/L	20	21.0	20.5	105	103	70-130	2	20	
Tetrachloroethene	ug/L	20	21.0	20.1	105	101	70-130	4	20	
Trichloroethene	ug/L	20	20.7	20.2	104	101	70-130	2	20	
1,2-Dichloroethane-d4 (S)	%				106	108	75-125			
4-Bromofluorobenzene (S)	%				101	101	75-125			
Toluene-d8 (S)	%				103	102	75-125			

MATRIX SPIKE SAMPLE: 2472074

Parameter	Units	40143141009					% Rec Limits	Qualifiers
		Result	Spike Conc.	MS Result	MS % Rec	% Rec		
1,1,1-Trichloroethane	ug/L	<0.10	20	22.5	112	70-130		
1,1-Dichloroethane	ug/L	<0.088	20	19.9	99	70-130		
1,1-Dichloroethene	ug/L	<0.089	20	21.8	109	70-130		
Tetrachloroethene	ug/L	<0.12	20	20.0	100	70-130		
Trichloroethene	ug/L	<0.044	20	19.2	96	70-130		
1,2-Dichloroethane-d4 (S)	%				108	75-125		
4-Bromofluorobenzene (S)	%				98	75-125		
Toluene-d8 (S)	%				100	75-125		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

SAMPLE DUPLICATE: 2472075

Parameter	Units	40143141011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	<0.10		20	
1,1-Dichloroethane	ug/L	<0.088	<0.088		20	
1,1-Dichloroethene	ug/L	<0.089	<0.089		20	
Tetrachloroethene	ug/L	<0.12	<0.12		20	
Trichloroethene	ug/L	<0.044	<0.044		20	
1,2-Dichloroethane-d4 (S)	%	117	116	2		
4-Bromofluorobenzene (S)	%	102	99	2		
Toluene-d8 (S)	%	100	99	0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

QC Batch: 452191 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40143295009

METHOD BLANK: 2475523 Matrix: Water
Associated Lab Samples: 40143295009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	0.50	12/16/16 22:03	
1,1-Dichloroethane	ug/L	<0.088	0.50	12/16/16 22:03	
1,1-Dichloroethene	ug/L	<0.089	0.50	12/16/16 22:03	
Tetrachloroethene	ug/L	<0.12	0.50	12/16/16 22:03	
Trichloroethene	ug/L	<0.044	0.40	12/16/16 22:03	
1,2-Dichloroethane-d4 (S)	%	98	75-125	12/16/16 22:03	
4-Bromofluorobenzene (S)	%	99	75-125	12/16/16 22:03	
Toluene-d8 (S)	%	99	75-125	12/16/16 22:03	

LABORATORY CONTROL SAMPLE & LCSD: 2475524

Parameter	Units	2475525								Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	
1,1,1-Trichloroethane	ug/L	50	49.1	48.0	98	96	70-130	2	20	
1,1-Dichloroethane	ug/L	50	48.9	48.7	98	97	70-130	0	20	
1,1-Dichloroethene	ug/L	50	49.5	49.1	99	98	70-130	1	20	
Tetrachloroethene	ug/L	50	51.4	51.2	103	102	70-130	0	20	
Trichloroethene	ug/L	50	50.3	50.5	101	101	70-130	0	20	
1,2-Dichloroethane-d4 (S)	%				97	97	75-125			
4-Bromofluorobenzene (S)	%				99	98	75-125			
Toluene-d8 (S)	%				101	100	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2475526

Parameter	Units	2475527										
		60234089001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	18.5	17.7	93	89	70-130	4	20	
1,1-Dichloroethane	ug/L	ND	20	20	19.1	18.3	95	91	70-130	4	20	
1,1-Dichloroethene	ug/L	ND	20	20	20.1	19.3	101	97	70-130	4	20	
Tetrachloroethene	ug/L	ND	20	20	18.3	16.9	91	85	70-130	8	20	
Trichloroethene	ug/L	ND	20	20	19.0	18.3	95	91	70-130	4	20	
1,2-Dichloroethane-d4 (S)	%						95	95	75-125			
4-Bromofluorobenzene (S)	%						98	100	75-125			
Toluene-d8 (S)	%						98	98	75-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

QC Batch: 244127 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40143295005, 40143295010

METHOD BLANK: 1445791 Matrix: Water
Associated Lab Samples: 40143295005, 40143295010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	12/14/16 17:43	
2-Fluorobiphenyl (S)	%	70	41-130	12/14/16 17:43	
Nitrobenzene-d5 (S)	%	75	43-130	12/14/16 17:43	

LABORATORY CONTROL SAMPLE & LCSD: 1445792

Parameter	Units	Spike Conc.	1445793		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
			LCS Result	LCSD Result						
1,4-Dioxane (p-Dioxane)	ug/L		<3.0	<3.0					20	
2-Fluorobiphenyl (S)	%				93	96	41-130			
Nitrobenzene-d5 (S)	%				87	84	43-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: 244144

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

[1] Requested compound is not in the spike mix, nearest compound had acceptable spike recoveries

Batch: 451487

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143295005	CW-19	EPA 3510	244127	EPA 8270	244144
40143295010	CW-19 DUP	EPA 3510	244127	EPA 8270	244144
40143295001	CW-11	EPA 524.2	451487		
40143295002	CW-15	EPA 524.2	451487		
40143295003	CW-16	EPA 524.2	451487		
40143295004	CW-17	EPA 524.2	451487		
40143295005	CW-19	EPA 524.2	451487		
40143295006	RAW	EPA 524.2	451487		
40143295007	TOWER A	EPA 524.2	451487		
40143295008	TOWER B	EPA 524.2	451487		
40143295009	FINISHED PRODUCT	EPA 524.2	452191		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: **Gannett Fleming**
 Branch/Location: **Madison, WI**
 Project Contact: **Dave Olig**
 Phone: **608-836-1500**
 Project Number: **B4283.000**
 Project Name: **National Presto Inc**
 Project State: **WI**
 Sampled By (Print): **Marcus Mussey**
 Sampled By (Sign): *[Signature]*
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 1 of

40143295

Page 24 of 25

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	N	N																		
Pick Letter	B	A																		
Analyses Requested	VOCs Method 524.2		1,4 Dioxane																	

Quote #: _____
 Mail To Contact: _____
 Mail To Company: **See Box A**
 Mail To Address: **8025 Excelsior Madison, WI 53717**
 Invoice To Contact: _____
 Invoice To Company: **Box 1**
 Invoice To Address: _____
 Invoice To Phone: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	CW-11	12-7	920	DW
002	CW-15		925	
003	CW-16		910	
004	CW-17		945	
005	CW-19		930	2'
006	Raw		900	
007	Tower A		905	
008	Tower B		907	
009	Finished Product		850	
010	Trip Blank			
010	CW-19 Pup		930	2'

CLIENT COMMENTS
 3-40ml vB
 2-1LagA
 2-1LagA

LAB COMMENTS (Lab Use Only)
 Profile # _____

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: 12-8-2000
 Relinquished By: **CS Logistics** Date/Time: 12/9/00 0955
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
 Received By: *[Signature]* Date/Time: 12/9/00 0955
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No.
40143295

Receipt Temp = **ROT** °C

Sample Receipt pH
 OK/Adjusted

Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

DA 12/9/00

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Project #:

WO#: 40143295

Client Name: Gannett Fleming

Courier: Fed Ex UPS Client Pace Other:

Tracking #: 795,126716, 1



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Wet Blue Dry None

Cooler Temperature: Uncorr: ROT /Corr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 12/9/16
Initials: BJ

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items and checkboxes. Items include Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, Containers Intact, Sample Labels match COC, etc.

Client Notification/ Resolution:
Person Contacted:
Comments/ Resolution: Tracking # for 2nd cooler damaged during shipping

Project Manager Review: AMH for DM Date: 12/9/16

December 15, 2016

Project #34283.000
NPI Q4 GW
Reviewed by CCW
12/15/16

Dave Olig
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Dear Dave Olig:

Enclosed are the analytical results for sample(s) received by the laboratory on December 09, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.
Clifford Wright, Gannett Fleming



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143284001	EC-1	Water	12/07/16 09:40	12/09/16 09:55
40143284002	RW-3A	Water	12/07/16 10:10	12/09/16 09:55
40143284003	RW-3B	Water	12/07/16 10:15	12/09/16 09:55
40143284004	RW-3C	Water	12/07/16 10:20	12/09/16 09:55
40143284005	MW-45B	Water	12/07/16 10:35	12/09/16 09:55
40143284006	MW-45B DUP	Water	12/07/16 10:35	12/09/16 09:55
40143284007	MW-45C	Water	12/07/16 10:40	12/09/16 09:55
40143284008	MW-26B	Water	12/07/16 11:20	12/09/16 09:55
40143284009	RW-16	Water	12/07/16 11:00	12/09/16 09:55
40143284010	MW-52B	Water	12/07/16 08:20	12/09/16 09:55
40143284011	MH-18	Water	12/07/16 11:30	12/09/16 09:55

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143284001	EC-1	EPA 8260	HNW	8	PASI-G
40143284002	RW-3A	EPA 8260	HNW	8	PASI-G
40143284003	RW-3B	EPA 8260	HNW	8	PASI-G
40143284004	RW-3C	EPA 8270	RJN	3	PASI-G
		EPA 8260	HNW	8	PASI-G
40143284005	MW-45B	EPA 8260	HNW	8	PASI-G
40143284006	MW-45B DUP	EPA 8260	HNW	8	PASI-G
40143284007	MW-45C	EPA 8260	HNW	8	PASI-G
40143284008	MW-26B	EPA 8260	HNW	8	PASI-G
40143284009	RW-16	EPA 8270	RJN	3	PASI-G
40143284010	MW-52B	EPA 8270	RJN	3	PASI-G
40143284011	MH-18	EPA 8270 by HVI	TPO	20	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40143284001	EC-1					
EPA 8260	Trichloroethene	1.5	ug/L	1.0	12/14/16 19:52	
40143284002	RW-3A					
EPA 8260	Trichloroethene	2.0	ug/L	1.0	12/14/16 12:53	
40143284003	RW-3B					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	12/14/16 16:56	
40143284004	RW-3C					
EPA 8260	1,1,1-Trichloroethane	0.52J	ug/L	1.0	12/14/16 17:18	
EPA 8260	Trichloroethene	4.3	ug/L	1.0	12/14/16 17:18	
40143284005	MW-45B					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	12/14/16 17:40	
40143284006	MW-45B DUP					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	12/14/16 18:02	
40143284007	MW-45C					
EPA 8260	Trichloroethene	2.8	ug/L	1.0	12/14/16 18:24	
40143284008	MW-26B					
EPA 8260	Trichloroethene	0.35J	ug/L	1.0	12/14/16 18:46	
40143284011	MH-18					
EPA 8270 by HVI	Acenaphthene	0.040	ug/L	0.030	12/14/16 14:35	
EPA 8270 by HVI	Fluorene	0.018J	ug/L	0.040	12/14/16 14:35	
EPA 8270 by HVI	1-Methylnaphthalene	0.012J	ug/L	0.030	12/14/16 14:35	
EPA 8270 by HVI	2-Methylnaphthalene	0.0074J	ug/L	0.024	12/14/16 14:35	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

3 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 244127

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Batch Comments:

Requested compound is not in the spike mix, nearest compound had acceptable spike recoveries

- QC Batch: 244144

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Method: EPA 8270 by HVI

Description: 8270 MSSV PAH by HVI

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

1 sample was analyzed for EPA 8270 by HVI. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

8 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 243877

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1444884)
- 1,1-Dichloroethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: EC-1 **Lab ID:** 40143284001 Collected: 12/07/16 09:40 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 19:52	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 19:52	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 19:52	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 19:52	127-18-4	
Trichloroethene	1.5	ug/L	1.0	0.33	1		12/14/16 19:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/14/16 19:52	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/14/16 19:52	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/14/16 19:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: RW-3A **Lab ID: 40143284002** Collected: 12/07/16 10:10 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 12:53	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 12:53	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 12:53	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 12:53	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.33	1		12/14/16 12:53	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/14/16 12:53	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/14/16 12:53	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/14/16 12:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: RW-3B **Lab ID: 40143284003** Collected: 12/07/16 10:15 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 16:56	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 16:56	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 16:56	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 16:56	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.33	1		12/14/16 16:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/14/16 16:56	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/14/16 16:56	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/14/16 16:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: RW-3C **Lab ID: 40143284004** Collected: 12/07/16 10:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	12/14/16 07:29	12/14/16 18:47	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	63	%	43-130		1	12/14/16 07:29	12/14/16 18:47	4165-60-0	
2-Fluorobiphenyl (S)	76	%	41-130		1	12/14/16 07:29	12/14/16 18:47	321-60-8	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.52J	ug/L	1.0	0.50	1		12/14/16 17:18	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 17:18	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 17:18	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 17:18	127-18-4	
Trichloroethene	4.3	ug/L	1.0	0.33	1		12/14/16 17:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/14/16 17:18	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/14/16 17:18	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/14/16 17:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-45B **Lab ID: 40143284005** Collected: 12/07/16 10:35 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 17:40	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 17:40	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 17:40	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 17:40	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.33	1		12/14/16 17:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/14/16 17:40	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/14/16 17:40	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/14/16 17:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-45B DUP **Lab ID: 40143284006** Collected: 12/07/16 10:35 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 18:02	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 18:02	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 18:02	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 18:02	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.33	1		12/14/16 18:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/14/16 18:02	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/14/16 18:02	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/14/16 18:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-45C **Lab ID: 40143284007** Collected: 12/07/16 10:40 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 18:24	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 18:24	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 18:24	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 18:24	127-18-4	
Trichloroethene	2.8	ug/L	1.0	0.33	1		12/14/16 18:24	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/14/16 18:24	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/14/16 18:24	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/14/16 18:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-26B **Lab ID: 40143284008** Collected: 12/07/16 11:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 18:46	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 18:46	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 18:46	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 18:46	127-18-4	
Trichloroethene	0.35J	ug/L	1.0	0.33	1		12/14/16 18:46	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/14/16 18:46	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/14/16 18:46	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/14/16 18:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: RW-16 **Lab ID: 40143284009** Collected: 12/07/16 11:00 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/14/16 07:29	12/14/16 19:08	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	49	%	43-130		1	12/14/16 07:29	12/14/16 19:08	4165-60-0	
2-Fluorobiphenyl (S)	72	%	41-130		1	12/14/16 07:29	12/14/16 19:08	321-60-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-52B **Lab ID: 40143284010** Collected: 12/07/16 08:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/14/16 07:29	12/14/16 19:29	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	71	%	43-130		1	12/14/16 07:29	12/14/16 19:29	4165-60-0	
2-Fluorobiphenyl (S)	77	%	41-130		1	12/14/16 07:29	12/14/16 19:29	321-60-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MH-18 **Lab ID: 40143284011** Collected: 12/07/16 11:30 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.040	ug/L	0.030	0.0061	1	12/14/16 08:18	12/14/16 14:35	83-32-9	
Acenaphthylene	<0.0050	ug/L	0.025	0.0050	1	12/14/16 08:18	12/14/16 14:35	208-96-8	
Anthracene	<0.010	ug/L	0.052	0.010	1	12/14/16 08:18	12/14/16 14:35	120-12-7	
Benzo(a)anthracene	<0.0076	ug/L	0.038	0.0076	1	12/14/16 08:18	12/14/16 14:35	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.053	0.011	1	12/14/16 08:18	12/14/16 14:35	50-32-8	
Benzo(b)fluoranthene	<0.0057	ug/L	0.029	0.0057	1	12/14/16 08:18	12/14/16 14:35	205-99-2	
Benzo(g,h,i)perylene	<0.0068	ug/L	0.034	0.0068	1	12/14/16 08:18	12/14/16 14:35	191-24-2	
Benzo(k)fluoranthene	<0.0076	ug/L	0.038	0.0076	1	12/14/16 08:18	12/14/16 14:35	207-08-9	
Chrysene	<0.013	ug/L	0.065	0.013	1	12/14/16 08:18	12/14/16 14:35	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.050	0.010	1	12/14/16 08:18	12/14/16 14:35	53-70-3	
Fluoranthene	<0.011	ug/L	0.053	0.011	1	12/14/16 08:18	12/14/16 14:35	206-44-0	
Fluorene	0.018J	ug/L	0.040	0.0080	1	12/14/16 08:18	12/14/16 14:35	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.088	0.018	1	12/14/16 08:18	12/14/16 14:35	193-39-5	
1-Methylnaphthalene	0.012J	ug/L	0.030	0.0059	1	12/14/16 08:18	12/14/16 14:35	90-12-0	
2-Methylnaphthalene	0.0074J	ug/L	0.024	0.0049	1	12/14/16 08:18	12/14/16 14:35	91-57-6	
Naphthalene	<0.018	ug/L	0.092	0.018	1	12/14/16 08:18	12/14/16 14:35	91-20-3	
Phenanthrene	<0.014	ug/L	0.069	0.014	1	12/14/16 08:18	12/14/16 14:35	85-01-8	
Pyrene	<0.0076	ug/L	0.038	0.0076	1	12/14/16 08:18	12/14/16 14:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	25-130		1	12/14/16 08:18	12/14/16 14:35	321-60-8	
Terphenyl-d14 (S)	108	%	13-158		1	12/14/16 08:18	12/14/16 14:35	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

QC Batch: 243877 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40143284001, 40143284002, 40143284003, 40143284004, 40143284005, 40143284006, 40143284007, 40143284008

METHOD BLANK: 1444883 Matrix: Water
 Associated Lab Samples: 40143284001, 40143284002, 40143284003, 40143284004, 40143284005, 40143284006, 40143284007, 40143284008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/14/16 10:46	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/14/16 10:46	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/14/16 10:46	
Tetrachloroethene	ug/L	<0.50	1.0	12/14/16 10:46	
Trichloroethene	ug/L	<0.33	1.0	12/14/16 10:46	
4-Bromofluorobenzene (S)	%	93	70-130	12/14/16 10:46	
Dibromofluoromethane (S)	%	104	70-130	12/14/16 10:46	
Toluene-d8 (S)	%	94	70-130	12/14/16 10:46	

LABORATORY CONTROL SAMPLE: 1444884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.9	114	70-131	
1,1-Dichloroethane	ug/L	50	70.9	142	70-133 L0	
1,1-Dichloroethene	ug/L	50	57.3	115	70-130	
Tetrachloroethene	ug/L	50	43.0	86	70-138	
Trichloroethene	ug/L	50	49.2	98	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1445848 1445849

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40143284002 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.50	50	50	58.8	63.2	118	126	70-134	7	20
1,1-Dichloroethane	ug/L	<0.24	50	50	58.5	61.5	117	123	70-134	5	20
1,1-Dichloroethene	ug/L	<0.41	50	50	58.6	65.0	117	130	68-136	10	20
Tetrachloroethene	ug/L	<0.50	50	50	45.7	48.0	91	96	70-148	5	20
Trichloroethene	ug/L	2.0	50	50	53.8	58.8	104	114	70-131	9	20
4-Bromofluorobenzene (S)	%						98	96	70-130		
Dibromofluoromethane (S)	%						110	111	70-130		
Toluene-d8 (S)	%						95	92	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

QC Batch: 244127 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40143284004, 40143284009, 40143284010

METHOD BLANK: 1445791 Matrix: Water
Associated Lab Samples: 40143284004, 40143284009, 40143284010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	12/14/16 17:43	
2-Fluorobiphenyl (S)	%	70	41-130	12/14/16 17:43	
Nitrobenzene-d5 (S)	%	75	43-130	12/14/16 17:43	

LABORATORY CONTROL SAMPLE & LCSD: 1445792

Parameter	Units	Spike Conc.	1445793				% Rec Limits	RPD	Max RPD	Qualifiers
			LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
1,4-Dioxane (p-Dioxane)	ug/L		<3.0	<3.0				20		
2-Fluorobiphenyl (S)	%				93	96	41-130			
Nitrobenzene-d5 (S)	%				87	84	43-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

QC Batch: 244133	Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510	Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40143284011	

METHOD BLANK: 1445810 Matrix: Water

Associated Lab Samples: 40143284011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	12/14/16 11:36	
2-Methylnaphthalene	ug/L	<0.0049	0.024	12/14/16 11:36	
Acenaphthene	ug/L	<0.0061	0.030	12/14/16 11:36	
Acenaphthylene	ug/L	<0.0050	0.025	12/14/16 11:36	
Anthracene	ug/L	<0.010	0.052	12/14/16 11:36	
Benzo(a)anthracene	ug/L	<0.0076	0.038	12/14/16 11:36	
Benzo(a)pyrene	ug/L	<0.011	0.053	12/14/16 11:36	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	12/14/16 11:36	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	12/14/16 11:36	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	12/14/16 11:36	
Chrysene	ug/L	<0.013	0.065	12/14/16 11:36	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	12/14/16 11:36	
Fluoranthene	ug/L	<0.011	0.053	12/14/16 11:36	
Fluorene	ug/L	<0.0080	0.040	12/14/16 11:36	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	12/14/16 11:36	
Naphthalene	ug/L	<0.018	0.092	12/14/16 11:36	
Phenanthrene	ug/L	<0.014	0.069	12/14/16 11:36	
Pyrene	ug/L	<0.0076	0.038	12/14/16 11:36	
2-Fluorobiphenyl (S)	%	69	25-130	12/14/16 11:36	
Terphenyl-d14 (S)	%	119	13-158	12/14/16 11:36	

LABORATORY CONTROL SAMPLE: 1445811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.2	62	35-130	
2-Methylnaphthalene	ug/L	2	1.3	65	36-130	
Acenaphthene	ug/L	2	1.4	69	41-130	
Acenaphthylene	ug/L	2	1.2	61	41-130	
Anthracene	ug/L	2	1.8	91	38-130	
Benzo(a)anthracene	ug/L	2	1.6	79	49-130	
Benzo(a)pyrene	ug/L	2	1.8	89	69-143	
Benzo(b)fluoranthene	ug/L	2	2.2	111	63-146	
Benzo(g,h,i)perylene	ug/L	2	1.0	50	10-145	
Benzo(k)fluoranthene	ug/L	2	2.2	108	64-152	
Chrysene	ug/L	2	2.4	118	64-156	
Dibenz(a,h)anthracene	ug/L	2	0.80	40	10-143	
Fluoranthene	ug/L	2	2.0	101	54-134	
Fluorene	ug/L	2	1.4	72	44-130	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	79	39-140	
Naphthalene	ug/L	2	1.3	63	35-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

LABORATORY CONTROL SAMPLE: 1445811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	2	2.0	99	51-130	
Pyrene	ug/L	2	2.0	98	61-140	
2-Fluorobiphenyl (S)	%			72	25-130	
Terphenyl-d14 (S)	%			122	13-158	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1445812 1445813

Parameter	Units	40143284011		MSD		MSD		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	ug/L	0.012J	2	2	1.3	1.1	62	56	16-130	10	30		
2-Methylnaphthalene	ug/L	0.0074J	2	2	1.3	1.2	63	60	33-130	5	30		
Acenaphthene	ug/L	0.040	2	2	1.4	1.2	66	57	29-130	14	27		
Acenaphthylene	ug/L	<0.0050	2	2	1.1	1.0	56	50	33-130	12	27		
Anthracene	ug/L	<0.010	2	2	1.4	1.1	70	55	26-130	24	31		
Benzo(a)anthracene	ug/L	<0.0076	2	2	1.4	1.3	70	65	27-130	8	36		
Benzo(a)pyrene	ug/L	<0.011	2	2	1.2	1.1	60	57	16-151	5	44		
Benzo(b)fluoranthene	ug/L	<0.0057	2	2	1.4	1.4	71	72	30-142	1	41		
Benzo(g,h,i)perylene	ug/L	<0.0068	2	2	0.56	0.53	28	27	10-130	4	50		
Benzo(k)fluoranthene	ug/L	<0.0076	2	2	1.2	1.2	60	60	24-152	0	41		
Chrysene	ug/L	<0.013	2	2	1.7	1.7	87	83	40-152	5	33		
Dibenz(a,h)anthracene	ug/L	<0.010	2	2	0.49	0.46	24	23	10-130	6	50		
Fluoranthene	ug/L	<0.011	2	2	1.5	1.4	75	70	39-140	8	30		
Fluorene	ug/L	0.018J	2	2	1.4	1.2	68	58	35-130	16	26		
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	2	2	0.75	0.66	37	33	10-130	12	50		
Naphthalene	ug/L	<0.018	2	2	1.2	1.2	61	59	29-130	3	31		
Phenanthrene	ug/L	<0.014	2	2	1.6	1.3	78	66	48-130	16	25		
Pyrene	ug/L	<0.0076	2	2	1.7	1.5	86	77	42-143	11	25		
2-Fluorobiphenyl (S)	%						69	60	25-130				
Terphenyl-d14 (S)	%						94	91	13-158				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 244144

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

[1] Requested compound is not in the spike mix, nearest compound had acceptable spike recoveries

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143284004	RW-3C	EPA 3510	244127	EPA 8270	244144
40143284009	RW-16	EPA 3510	244127	EPA 8270	244144
40143284010	MW-52B	EPA 3510	244127	EPA 8270	244144
40143284011	MH-18	EPA 3510	244133	EPA 8270 by HVI	244191
40143284001	EC-1	EPA 8260	243877		
40143284002	RW-3A	EPA 8260	243877		
40143284003	RW-3B	EPA 8260	243877		
40143284004	RW-3C	EPA 8260	243877		
40143284005	MW-45B	EPA 8260	243877		
40143284006	MW-45B DUP	EPA 8260	243877		
40143284007	MW-45C	EPA 8260	243877		
40143284008	MW-26B	EPA 8260	243877		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: **Gannett Flumy**
 Branch/Location: **Madison, WI**
 Project Contact: **Dave Olig**
 Phone: **608-836-1500**
 Project Number: **34283.000**
 Project Name: **National Presto Ind**
 Project State: **WI**
 Sampled By (Print): **Marcus Mussey**
 Sampled By (Sign): *[Signature]*



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 1 of

40143284

Page 26 of 27

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested	Matrix Codes
N	B	VOCs	W = Water
N	A	NPI Short List	DW = Drinking Water
N	A	1,4-Dioxane	GW = Ground Water
		PAH 8270	SW = Surface Water
			WW = Waste Water
			WP = Wipe

Regulatory Program: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	EC-1	12-7	940	GW
002	RW-3A		1010	
003	RW-3B		1015	
004	RW-3C		1020	
005	MW-45B		1035	
006	MW-45B Dup		1035	
007	MW-45C		1040	
008	MW-26B		1120	
009	RW-16		1100	
010	MW-52B		820	
011	MH-18		1130	

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	3-40ml ^B	
	2-1Lag ^A	
	2-1Lag ^A	
	2-300mlag ^A	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: 12-8, 1200
 Relinquished By: CS Logistics Date/Time: 12/9/16 0955
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
 Received By: *[Signature]* Date/Time: 12/9/16 0955
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40143284
 Receipt Temp = ROT °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Project #

WO#: 40143284

Client Name: Gannett Fleming

Courier: Fed Ex UPS Client Pace Other: CS Logistics

Tracking #: 795,120716



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used NA Type of Ice: Wet Blue Dry None

Cooler Temperature Uncorr: ROT /Corr: Biological Tissue is Frozen: yes

Temp Blank Present: yes no

Person examining contents:

Date: 12/9/16

Initials: BVJ

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of inspection criteria and checkboxes. Includes items like 'Chain of Custody Present', 'Short Hold Time Analysis', 'Rush Turn Around Time Requested', etc.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: Date/Time:

Comments/ Resolution: 1 and tracking # damaged during shipping, unreadable

Project Manager Review:

AMH for DM

Date:

12/9/16



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 40137489

Project Overview

Final Report with COC/SCUR	1
SDG Narrative	35

Organic

GC-MS Volatiles

Surrogate Recovery Summary (Form 2)	37
Laboratory Control Spike/Laboratory Control Spike Duplicate Summary (Form 3)	38
Matrix Spike/Matrix Spike Duplicate Summary (Form 3)	39
Method Blank Association Summary (Form 4)	41
Instrument Performance Check (Form 5)	42
Initial Calibration (Form 6)	45
Continuing Calibration (Form 7)	47
Internal Standard Area & Retention Time Summary (Form 8)	49
Analytical Results with Raw Data (Form 1)	50
Raw Data QC	69

GC-MS Semivolatiles

Surrogate Recovery Summary (Form 2)	70
Method Blank Association Summary (Form 4)	72
Instrument Performance Check (Form 5)	73
Initial Calibration (Form 6)	77
Continuing Calibration (Form 7)	81
Internal Standard Area & Retention Time Summary (Form 8)	85
Analytical Results with Raw Data (Form 1)	89
Raw Data QC	92

September 07, 2016

Clifford Wright
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 34283.000 NAT'L PRESTO IND. (N
Pace Project No.: 40137489

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2016. 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.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.



40137489

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 34283.000 NAT'L PRESTO IND. (N

Pace Project No.: 40137489

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NAT'L PRESTO IND. (N

Pace Project No.: 40137489

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40137489001	EW1R-76'	Water	08/29/16 12:00	08/31/16 07:30
40137489002	EW1R-86'	Water	08/29/16 12:00	08/31/16 07:30
40137489003	EW1R-96'	Water	08/29/16 12:00	08/31/16 07:30
40137489004	EW2-81'	Water	08/29/16 11:30	08/31/16 07:30
40137489005	EW2-91'	Water	08/29/16 11:30	08/31/16 07:30
40137489006	MW34A	Water	08/29/16 15:00	08/31/16 07:30
40137489007	MW34B	Water	08/29/16 14:45	08/31/16 07:30
40137489008	MW34BDUP	Water	08/29/16 14:45	08/31/16 07:30
40137489009	MW34C	Water	08/29/16 14:55	08/31/16 07:30
40137489010	MW68A	Water	08/29/16 16:00	08/31/16 07:30
40137489011	MW68ADUP	Water	08/29/16 16:00	08/31/16 07:30
40137489012	MW68B	Water	08/29/16 16:05	08/31/16 07:30
40137489013	MW70A	Water	08/29/16 14:30	08/31/16 07:30
40137489014	MW70B	Water	08/29/16 14:25	08/31/16 07:30
40137489015	MW74A	Water	08/29/16 15:55	08/31/16 07:30
40137489016	MW74B	Water	08/29/16 15:50	08/31/16 07:30
40137489018	TRIP BLANK B	Water	08/29/16 00:00	08/31/16 07:30
40137489019	EC1	Water	08/30/16 10:15	08/31/16 07:30
40137489020	EW6	Water	08/30/16 07:40	08/31/16 07:30
40137489021	MW52B	Water	08/30/16 10:50	08/31/16 07:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40137489001	EW1R-76'	EPA 8260	LAP	8	PASI-G
40137489002	EW1R-86'	EPA 8260	LAP	8	PASI-G
40137489003	EW1R-96'	EPA 8260	LAP	8	PASI-G
40137489004	EW2-81'	EPA 8260	LAP	8	PASI-G
40137489005	EW2-91'	EPA 8260	LAP	8	PASI-G
40137489006	MW34A	EPA 8270	RJN	7	PASI-G
		EPA 8260	LAP	8	PASI-G
40137489007	MW34B	EPA 8260	LAP	8	PASI-G
40137489008	MW34BDUP	EPA 8260	LAP	8	PASI-G
40137489009	MW34C	EPA 8260	LAP	8	PASI-G
40137489010	MW68A	EPA 8260	LAP	8	PASI-G
40137489011	MW68ADUP	EPA 8260	LAP	8	PASI-G
40137489012	MW68B	EPA 8270	RJN	7	PASI-G
		EPA 8260	LAP	8	PASI-G
40137489013	MW70A	EPA 8260	LAP	8	PASI-G
40137489014	MW70B	EPA 8260	LAP	8	PASI-G
40137489015	MW74A	EPA 8260	LAP	8	PASI-G
40137489016	MW74B	EPA 8260	LAP	8	PASI-G
40137489018	TRIP BLANK B	EPA 8260	LAP	8	PASI-G
40137489019	EC1	EPA 8260	LAP	8	PASI-G
40137489020	EW6	EPA 8260	LAP	8	PASI-G
40137489021	MW52B	EPA 8270	RJN	7	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40137489006	MW34A					
EPA 8260	1,1-Dichloroethane	0.50J	ug/L	1.0	09/01/16 14:30	
40137489012	MW68B					
EPA 8260	1,1-Dichloroethane	0.25J	ug/L	1.0	09/01/16 16:46	
40137489013	MW70A					
EPA 8260	1,1-Dichloroethane	0.45J	ug/L	1.0	09/01/16 17:08	
EPA 8260	Trichloroethene	0.55J	ug/L	1.0	09/01/16 17:08	
40137489019	EC1					
EPA 8260	Trichloroethene	0.43J	ug/L	1.0	09/01/16 12:37	
40137489020	EW6					
EPA 8260	1,1,1-Trichloroethane	1.1	ug/L	1.0	09/01/16 19:01	
EPA 8260	Trichloroethene	0.73J	ug/L	1.0	09/01/16 19:01	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: September 07, 2016

General Information:

3 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 233862

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NAT'L PRESTO IND. (N

Pace Project No.: 40137489

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: September 07, 2016

General Information:

19 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW1R-76' **Lab ID:** 40137489001 Collected: 08/29/16 12:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 18:39	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 18:39	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 18:39	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 18:39	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 18:39	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/01/16 18:39	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		09/01/16 18:39	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/01/16 18:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW1R-86' **Lab ID:** 40137489002 Collected: 08/29/16 12:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 13:00	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 13:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 13:00	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 13:00	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 13:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/01/16 13:00	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 13:00	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/01/16 13:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW1R-96' **Lab ID:** 40137489003 Collected: 08/29/16 12:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 13:22	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 13:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 13:22	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 13:22	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 13:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/01/16 13:22	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		09/01/16 13:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 13:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW2-81' **Lab ID: 40137489004** Collected: 08/29/16 11:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 13:45	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 13:45	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 13:45	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 13:45	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 13:45	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		09/01/16 13:45	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		09/01/16 13:45	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		09/01/16 13:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW2-91' **Lab ID: 40137489005** Collected: 08/29/16 11:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 14:08	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 14:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 14:08	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 14:08	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 14:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/01/16 14:08	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		09/01/16 14:08	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/01/16 14:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW34A **Lab ID: 40137489006** Collected: 08/29/16 15:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/01/16 09:15	09/02/16 12:35	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	09/01/16 09:15	09/02/16 12:35	4165-60-0	
2-Fluorobiphenyl (S)	74	%	41-130		1	09/01/16 09:15	09/02/16 12:35	321-60-8	
Terphenyl-d14 (S)	80	%	49-130		1	09/01/16 09:15	09/02/16 12:35	1718-51-0	
Phenol-d6 (S)	30	%	15-130		1	09/01/16 09:15	09/02/16 12:35	13127-88-3	
2-Fluorophenol (S)	50	%	27-130		1	09/01/16 09:15	09/02/16 12:35	367-12-4	
2,4,6-Tribromophenol (S)	83	%	42-140		1	09/01/16 09:15	09/02/16 12:35	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 14:30	71-55-6	
1,1-Dichloroethane	0.50J	ug/L	1.0	0.24	1		09/01/16 14:30	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 14:30	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 14:30	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 14:30	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/01/16 14:30	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 14:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 14:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW34B **Lab ID: 40137489007** Collected: 08/29/16 14:45 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 14:53	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 14:53	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 14:53	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 14:53	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 14:53	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/01/16 14:53	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		09/01/16 14:53	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/01/16 14:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW34BDUP **Lab ID: 40137489008** Collected: 08/29/16 14:45 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 15:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 15:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 15:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 15:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 15:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		09/01/16 15:16	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		09/01/16 15:16	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 15:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

Sample: MW34C **Lab ID: 40137489009** Collected: 08/29/16 14:55 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 15:38	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 15:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 15:38	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 15:38	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 15:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/01/16 15:38	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 15:38	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 15:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW68A **Lab ID: 40137489010** Collected: 08/29/16 16:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 16:01	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 16:01	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 16:01	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 16:01	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 16:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/01/16 16:01	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 16:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 16:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW68ADUP **Lab ID: 40137489011** Collected: 08/29/16 16:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 16:23	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 16:23	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 16:23	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 16:23	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 16:23	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/01/16 16:23	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 16:23	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 16:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW68B **Lab ID: 40137489012** Collected: 08/29/16 16:05 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/01/16 09:15	09/02/16 12:56	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	74	%	43-130		1	09/01/16 09:15	09/02/16 12:56	4165-60-0	
2-Fluorobiphenyl (S)	74	%	41-130		1	09/01/16 09:15	09/02/16 12:56	321-60-8	
Terphenyl-d14 (S)	73	%	49-130		1	09/01/16 09:15	09/02/16 12:56	1718-51-0	
Phenol-d6 (S)	26	%	15-130		1	09/01/16 09:15	09/02/16 12:56	13127-88-3	
2-Fluorophenol (S)	40	%	27-130		1	09/01/16 09:15	09/02/16 12:56	367-12-4	
2,4,6-Tribromophenol (S)	62	%	42-140		1	09/01/16 09:15	09/02/16 12:56	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 16:46	71-55-6	
1,1-Dichloroethane	0.25J	ug/L	1.0	0.24	1		09/01/16 16:46	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 16:46	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 16:46	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 16:46	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		09/01/16 16:46	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 16:46	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/01/16 16:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW70A **Lab ID: 40137489013** Collected: 08/29/16 14:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 17:08	71-55-6	
1,1-Dichloroethane	0.45J	ug/L	1.0	0.24	1		09/01/16 17:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 17:08	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 17:08	127-18-4	
Trichloroethene	0.55J	ug/L	1.0	0.33	1		09/01/16 17:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		09/01/16 17:08	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 17:08	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 17:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW70B **Lab ID: 40137489014** Collected: 08/29/16 14:25 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 17:31	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 17:31	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 17:31	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 17:31	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 17:31	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		09/01/16 17:31	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/01/16 17:31	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/01/16 17:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW74A **Lab ID: 40137489015** Collected: 08/29/16 15:55 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 17:54	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 17:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 17:54	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 17:54	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 17:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		09/01/16 17:54	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 17:54	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/01/16 17:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

Sample: MW74B **Lab ID: 40137489016** Collected: 08/29/16 15:50 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 18:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 18:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 18:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 18:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 18:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		09/01/16 18:16	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		09/01/16 18:16	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/01/16 18:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: TRIP BLANK B **Lab ID: 40137489018** Collected: 08/29/16 00:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 19:24	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 19:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 19:24	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 19:24	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 19:24	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		09/01/16 19:24	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 19:24	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		09/01/16 19:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EC1 **Lab ID: 40137489019** Collected: 08/30/16 10:15 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 12:37	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 12:37	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 12:37	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 12:37	127-18-4	
Trichloroethene	0.43J	ug/L	1.0	0.33	1		09/01/16 12:37	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/01/16 12:37	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		09/01/16 12:37	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 12:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: EW6 **Lab ID: 40137489020** Collected: 08/30/16 07:40 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.1	ug/L	1.0	0.50	1		09/01/16 19:01	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 19:01	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 19:01	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 19:01	127-18-4	
Trichloroethene	0.73J	ug/L	1.0	0.33	1		09/01/16 19:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		09/01/16 19:01	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		09/01/16 19:01	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/01/16 19:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Sample: MW52B **Lab ID: 40137489021** Collected: 08/30/16 10:50 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/01/16 09:15	09/02/16 12:24	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	68	%	43-130		1	09/01/16 09:15	09/02/16 12:24	4165-60-0	
2-Fluorobiphenyl (S)	54	%	41-130		1	09/01/16 09:15	09/02/16 12:24	321-60-8	
Terphenyl-d14 (S)	57	%	49-130		1	09/01/16 09:15	09/02/16 12:24	1718-51-0	
Phenol-d6 (S)	28	%	15-130		1	09/01/16 09:15	09/02/16 12:24	13127-88-3	
2-Fluorophenol (S)	38	%	27-130		1	09/01/16 09:15	09/02/16 12:24	367-12-4	
2,4,6-Tribromophenol (S)	50	%	42-140		1	09/01/16 09:15	09/02/16 12:24	118-79-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

QC Batch: 233853 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40137489001, 40137489002, 40137489003, 40137489004, 40137489005, 40137489006, 40137489007, 40137489008, 40137489009, 40137489010, 40137489011, 40137489012, 40137489013, 40137489014, 40137489015, 40137489016, 40137489018, 40137489019, 40137489020

METHOD BLANK: 1385225 Matrix: Water
Associated Lab Samples: 40137489001, 40137489002, 40137489003, 40137489004, 40137489005, 40137489006, 40137489007, 40137489008, 40137489009, 40137489010, 40137489011, 40137489012, 40137489013, 40137489014, 40137489015, 40137489016, 40137489018, 40137489019, 40137489020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/01/16 08:29	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/01/16 08:29	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/01/16 08:29	
Tetrachloroethene	ug/L	<0.50	1.0	09/01/16 08:29	
Trichloroethene	ug/L	<0.33	1.0	09/01/16 08:29	
4-Bromofluorobenzene (S)	%	90	70-130	09/01/16 08:29	
Dibromofluoromethane (S)	%	97	70-130	09/01/16 08:29	
Toluene-d8 (S)	%	93	70-130	09/01/16 08:29	

LABORATORY CONTROL SAMPLE: 1385226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.8	100	70-131	
1,1-Dichloroethane	ug/L	50	51.0	102	70-133	
1,1-Dichloroethene	ug/L	50	50.5	101	70-130	
Tetrachloroethene	ug/L	50	54.2	108	70-138	
Trichloroethene	ug/L	50	52.8	106	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1385227 1385228

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40137489019 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	49.9	48.9	100	98	70-134	2	20
1,1-Dichloroethane	ug/L	<0.24	50	50	50.2	50.1	100	100	70-134	0	20
1,1-Dichloroethene	ug/L	<0.41	50	50	49.1	50.0	98	100	68-136	2	20
Tetrachloroethene	ug/L	<0.50	50	50	53.7	53.9	107	108	70-148	0	20
Trichloroethene	ug/L	0.43J	50	50	57.6	54.8	114	109	70-131	5	20
4-Bromofluorobenzene (S)	%						107	107	70-130		
Dibromofluoromethane (S)	%						98	101	70-130		
Toluene-d8 (S)	%						102	103	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

QC Batch: 233862 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40137489006, 40137489012, 40137489021

METHOD BLANK: 1385256 Matrix: Water
Associated Lab Samples: 40137489006, 40137489012, 40137489021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	09/02/16 10:05	
2,4,6-Tribromophenol (S)	%	81	42-140	09/02/16 10:05	
2-Fluorobiphenyl (S)	%	78	41-130	09/02/16 10:05	
2-Fluorophenol (S)	%	57	27-130	09/02/16 10:05	
Nitrobenzene-d5 (S)	%	84	43-130	09/02/16 10:05	
Phenol-d6 (S)	%	35	15-130	09/02/16 10:05	
Terphenyl-d14 (S)	%	93	49-130	09/02/16 10:05	

Parameter	Units	1385257		1385258		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCSD Result							
2,4,6-Tribromophenol (S)	%					76	78		42-140			
2-Fluorobiphenyl (S)	%					83	78		41-130			
2-Fluorophenol (S)	%					52	48		27-130			
Nitrobenzene-d5 (S)	%					80	76		43-130			
Phenol-d6 (S)	%					32	32		15-130			
Terphenyl-d14 (S)	%					78	80		49-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 233952

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NAT'L PRESTO IND. (N)

Pace Project No.: 40137489

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40137489006	MW34A	EPA 3510	233862	EPA 8270	233952
40137489012	MW68B	EPA 3510	233862	EPA 8270	233952
40137489021	MW52B	EPA 3510	233862	EPA 8270	233952
40137489001	EW1R-76'	EPA 8260	233853		
40137489002	EW1R-86'	EPA 8260	233853		
40137489003	EW1R-96'	EPA 8260	233853		
40137489004	EW2-81'	EPA 8260	233853		
40137489005	EW2-91'	EPA 8260	233853		
40137489006	MW34A	EPA 8260	233853		
40137489007	MW34B	EPA 8260	233853		
40137489008	MW34BDUP	EPA 8260	233853		
40137489009	MW34C	EPA 8260	233853		
40137489010	MW68A	EPA 8260	233853		
40137489011	MW68ADUP	EPA 8260	233853		
40137489012	MW68B	EPA 8260	233853		
40137489013	MW70A	EPA 8260	233853		
40137489014	MW70B	EPA 8260	233853		
40137489015	MW74A	EPA 8260	233853		
40137489016	MW74B	EPA 8260	233853		
40137489018	TRIP BLANK B	EPA 8260	233853		
40137489019	EC1	EPA 8260	233853		
40137489020	EW6	EPA 8260	233853		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Dave O'Leary
 Phone: 608-836-1500
 Project Number: 342583.000
 Project Name: Natl Presb Ind (NRI)
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): Chelsea Payne
 PO #: Regulatory Program

Data Package Options (billable):
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes:
 A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge
 W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WP = Waste Water



CHAIN OF CUSTODY

AN=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

REGULATORY PROGRAM
 FILTERED? (YES/NO)
 PRESERVATION (CODE)*

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested	V/M	Pick Label
001	EWIR-76'	8/21/16	12:00	GW	VOCs NPI Short List 1,4-Dioxane	N	A
002	EWIR-86'	12:00					
003	EWIR-96'	12:00					
004	EW 2-81'	11:30					
005	EW 2-91'	11:30					
006	MW 34A	15:00					
007	MW 34B	14:45					
008	MW 34B dup	14:45					
009	MW 34C	14:55					
010	MW 68A	16:00					
011	MW 68B dup	16:00					
012	MW 68B	16:05					
013	MW 70A	14:30					

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

Quote #: 40137489

Mail To Contact: Dave O'Leary
 Mail To Company: Gannett Fleming
 Mail To Address: 8025 Goodstar Dr
Madison, WI 53717

Invoice To Contact: See
 Invoice To Company: See
 Invoice To Address: mail to

Invoice To Phone: 608-836-1500

CLIENT COMMENTS: 3-40 MW B

LAB COMMENTS (Lab Use Only): 2-11 Lag A

Profile #

PACE Project No. 40137489

Receipt Temp = ROT

Sample Receipt # OK / Adjusted

Cooler Custody Seal Intact / Not Intact

(Please Print Clearly)



www.faceanals.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Quote #: _____

Mail To Contact: _____

Mail To Company: _____

Mail To Address: _____

Invoice To Contact: _____

Invoice To Company: _____

Invoice To Address: _____

Invoice To Phone: _____

CLIENT COMMENTS (Lab Use Only): _____

LAB COMMENTS (Lab Use Only): _____

Profile # _____

Company Name: Garrett Fleming

Branch/Location: _____

Project Contact: See pg 1

Phone: _____

Project Number: 34353.000

Project Name: NPI

Project State: _____

Sampled By (Print): _____

Sampled By (Sign): _____

PO #: _____

Data Package Options (billable)

EPA Level III

EPA Level IV

MS/MSD (billable)

On your sample

NOT needed on your sample

Regulatory Program: _____

Matrix Codes

A = Air B = Bioa C = Charcoal O = Oil S = Soil SI = Sludge

W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
014	MW 70B	8-21-16	14:25	GW
015	MW 74A		15:55	
016	MW 74B		15:50	
017	Trip Blank A			
018	Trip Blank B			
019	EC 1	8:30	10:15	
	EC 1 MS		10:15	
	EC 1 MSD		10:15	
020	EW 6		7:40	
021	MW 52B		10:55	

ANALYTES REQUESTED	V/N	Pick Label
NO I Short List	N	B
14 Dioxine	N	A

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)

Date Needed: _____

Transmit Prelim Rush Results by (complete what you want): _____

Email #1: _____

Email #2: _____

Telephone: _____

Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: [Signature] Date/Time: 8-31-16 0730

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 8-31-16 0730

Received By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

PACE Project No. 40137489

Receipt Temp = 20°C

Sample Receipt pH _____

OK / Adjusted _____

Cooler Custody Seal Present / Not Present _____

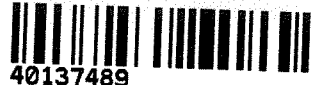
Intact / Not Intact _____

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Client Name: Garrett Fleming
 Courier: Fed Ex UPS Client Pace Other: Durham
 Tracking #: 1208076

Project #: **WO# : 40137489**

 40137489

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Custody Seal on Samples Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature: Uncorr: ROT ICorr: _____ Biological Tissue is Frozen: yes no
 Temp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.
 Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
 Date: 8-31-16
 Initials: SM

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>013 1-40ml^B no collect date</u>
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	<u>BT 8/31/16</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: (VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>369</u>	<u>8/31/16 SM</u>

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: AMH for DM Date: 8/31/16



CASE NARRATIVE - VOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40137489

Client: GANNETT FLEMING INC

Project Name: NPI

Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 8260B
- B. **Analysis:** SW846 8260B

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** All method acceptance criteria were met.
 - 3. **Continuing verification:** All method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** All in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met.
- D. **Spikes:**
 - 1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met.
 - 2. **Matrix Spike / Matrix Spike Duplicate (MS/MSD):** Sample EC1 was the designated MS/MSD parent for this SDG. All in-house accuracy and precision criteria were met.
- E. **Internal Standards:** All in-house acceptance criteria were met.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, Inc.**, and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 09/07/16

Name: Jill A. Duranceau Position: Quality Assurance Auditor



CASE NARRATIVE - SEMIVOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40137489

Client: GANNETT FLEMING INC

Project Name: NPI

Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 3510
- B. **Analysis:** SW846 8270C

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** The method acceptance criteria were met.
 - 3. **Continuing verification:** The method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** The in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met. Surrogate recoveries for the lab control spikes were reported even though 1,4-Dioxane was not in the lab control spike compound list.
- D. **Spikes:**
 - 1. **Lab Control Spike / Lab Control Spike Duplicate (LCS/LCSD):** All in-house accuracy and precision criteria were met. Neither the LCS nor LCSD were spiked with 1,4-Dioxane so no LCS summary was created.
 - 2. **Matrix Spike / Duplicate (MS/MSD):** A matrix spike / matrix spike duplicate was not performed for this batch due to insufficient sample volume.
- E. **Internal Standards:** All in-house acceptance criteria were met.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG.
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed.

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, Inc.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 09/07/16
Name: Jill A. Duranceau Position: Quality Assurance Auditor

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.

Instrument ID: 40MSV8

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1385225	1385225BLANK	90	97	93
1385226	1385226LCS	105	100	100
1385227	1385227MS	107	98	102
1385228	1385228MSD	107	101	103
40137489001	EW1R-76'	87	105	100
40137489002	EW1R-86'	86	102	100
40137489003	EW1R-96'	86	103	97
40137489004	EW2-81'	89	103	102
40137489005	EW2-91'	87	103	101
40137489006	MW34A	87	107	99
40137489007	MW34B	86	104	101
40137489008	MW34BDUP	81	104	97
40137489009	MW34C	88	107	97
40137489010	MW68A	88	102	99
40137489011	MW68ADUP	92	102	97
40137489012	MW68B	82	107	98
40137489013	MW70A	84	107	99
40137489014	MW70B	90	101	98
40137489015	MW74A	81	107	95
40137489016	MW74B	84	106	98
40137489018	TRIP BLANK B	83	102	93
40137489019	EC1	91	97	99
40137489020	EW6	81	100	96

QC LIMITS

(70-130)

(70-130)

(70-130)

(BFB) = 4-Bromofluorobenzene (S)

(DIBF) = Dibromofluoromethane (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay

Lab Sample ID: 1385226LCS

Date Extracted: 09/01/2016

Date Analyzed (1): 09/01/2016

Instrument: 40MSV8

LCS Lot No: 144697

Lab File ID: 09012016.B\09011608.D

SDG No.: 40137489

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	50.0	51.0	102	70-133
1,1-Dichloroethene	50.0	50.5	101	70-130
Tetrachloroethene	50.0	54.2	108	70-138
1,1,1-Trichloroethane	50.0	49.8	100	70-131
Trichloroethene	50.0	52.8	106	70-130

Spike Recovery: 0 out of 5 outside limits.

09/07/2016 7:20

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Matrix Spike - Sample No: 1385227MS

Date Extracted: 09/01/2016

Date Analyzed (1): 09/01/2016

Instrument: 40MSV8

Lab File ID: 09012016.B\09011609.D

Parent Sample ID: EC1

SDG No.: 40137489

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	<0.50	49.9	100	70-134
1,1-Dichloroethane	50.0	<0.24	50.2	100	70-134
1,1-Dichloroethene	50.0	<0.41	49.1	98	68-136
Tetrachloroethene	50.0	<0.50	53.7	107	70-148
Trichloroethene	50.0	0.43J	57.6	114	70-131

Spike Recovery: 0 out of 5 outside limits.

09/07/2016 7:20

MSV - FORM III VOA-2
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 40MSV8 Matrix Spike Duplicate - Sample No: 1385228MSD
 Lab File ID (2): 09012016.B\09011610.D Date Analyzed (2): 09/01/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	48.9	98	2	0-20	70-134
1,1-Dichloroethane	50.0	50.1	100	0	0-20	70-134
1,1-Dichloroethene	50.0	50.0	100	2	0-20	68-136
Tetrachloroethene	50.0	53.9	108	0	0-20	70-148
Trichloroethene	50.0	54.8	109	5	0-20	70-131

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

09/07/2016 7:20

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1385225BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.
 Instrument ID: 40MSV8 Matrix: Water Lab Sample ID: 1385225
 Lab File ID: 09012016.B\09011605.D Date Analyzed: 09/01/2016 Time: 08:29

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1385226LCS	1385226	09012016.B\09011608.D	09/01/2016 09:37
1385227MS	1385227	09012016.B\09011609.D	09/01/2016 09:59
1385228MSD	1385228	09012016.B\09011610.D	09/01/2016 10:22
EC1	40137489019	09012016.B\09011616.D	09/01/2016 12:37
EW1R-86'	40137489002	09012016.B\09011617.D	09/01/2016 13:00
EW1R-96'	40137489003	09012016.B\09011618.D	09/01/2016 13:22
EW2-81'	40137489004	09012016.B\09011619.D	09/01/2016 13:45
EW2-91'	40137489005	09012016.B\09011620.D	09/01/2016 14:08
MW34A	40137489006	09012016.B\09011621.D	09/01/2016 14:30
MW34B	40137489007	09012016.B\09011622.D	09/01/2016 14:53
MW34BDUP	40137489008	09012016.B\09011623.D	09/01/2016 15:16
MW34C	40137489009	09012016.B\09011624.D	09/01/2016 15:38
MW68A	40137489010	09012016.B\09011625.D	09/01/2016 16:01
MW68ADUP	40137489011	09012016.B\09011626.D	09/01/2016 16:23
MW68B	40137489012	09012016.B\09011627.D	09/01/2016 16:46
MW70A	40137489013	09012016.B\09011628.D	09/01/2016 17:08
MW70B	40137489014	09012016.B\09011629.D	09/01/2016 17:31
MW74A	40137489015	09012016.B\09011630.D	09/01/2016 17:54
MW74B	40137489016	09012016.B\09011631.D	09/01/2016 18:16
EW1R-76'	40137489001	09012016.B\09011632.D	09/01/2016 18:39
EW6	40137489020	09012016.B\09011633.D	09/01/2016 19:01
TRIP BLANK B	40137489018	09012016.B\09011634.D	09/01/2016 19:24

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.
 Lab File ID: 08092016.B\08091616.D BFB Injection Date: 08/09/2016
 Instrument ID: 40MSV8 BFB Injection Time: 11:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	21.64
75	30.00 - 60.00% of mass 95	47.52
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.55 (0.66) ¹
174	50.00 - 100.00% of mass 95	82.30
175	5.00 - 9.00% of mass 174	7.23 (8.78) ¹
176	95.00 - 101.00% of mass 174	80.96 (98.37) ¹
177	5.00 - 9.00% of mass 176	5.00 (6.17) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8795476CAL1	8795476CAL1	08092016.B\08091620.D	08/09/2016	13:29
8795477CAL2	8795477CAL2	08092016.B\08091621.D	08/09/2016	13:52
8795475CAL3	8795475CAL3	08092016.B\08091622.D	08/09/2016	14:14
8795480CAL4	8795480CAL4	08092016.B\08091623.D	08/09/2016	14:37
8795483CAL5	8795483CAL5	08092016.B\08091624.D	08/09/2016	15:00
8795482CAL6	8795482CAL6	08092016.B\08091625.D	08/09/2016	15:22
8795478CAL7	8795478CAL7	08092016.B\08091626.D	08/09/2016	15:45
8795474ICV	8795474ICV	08092016.B\08091629.D	08/09/2016	16:53

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.
 Lab File ID: 09012016.B\09011602.D BFB Injection Date: 09/01/2016
 Instrument ID: 40MSV8 BFB Injection Time: 07:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	24.17
75	30.00 - 60.00% of mass 95	49.19
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.77
173	Less than 2.00% of mass 174	0.12 (0.15) ¹
174	50.00 - 100.00% of mass 95	83.19
175	5.00 - 9.00% of mass 174	7.48 (8.99) ¹
176	95.00 - 101.00% of mass 174	80.24 (96.45) ¹
177	5.00 - 9.00% of mass 176	5.01 (6.24) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8871905CCV	8871905CCV	09012016.B\09011603.D	09/01/2016	07:44
1385225BLANK	1385225BLANK	09012016.B\09011605.D	09/01/2016	08:29
1385226LCS	1385226LCS	09012016.B\09011608.D	09/01/2016	09:37
1385227MS	1385227MS	09012016.B\09011609.D	09/01/2016	09:59
1385228MSD	1385228MSD	09012016.B\09011610.D	09/01/2016	10:22
EC1	40137489019	09012016.B\09011616.D	09/01/2016	12:37
EW1R-86'	40137489002	09012016.B\09011617.D	09/01/2016	13:00
EW1R-96'	40137489003	09012016.B\09011618.D	09/01/2016	13:22
EW2-81'	40137489004	09012016.B\09011619.D	09/01/2016	13:45
EW2-91'	40137489005	09012016.B\09011620.D	09/01/2016	14:08
MW34A	40137489006	09012016.B\09011621.D	09/01/2016	14:30
MW34B	40137489007	09012016.B\09011622.D	09/01/2016	14:53
MW34BDUP	40137489008	09012016.B\09011623.D	09/01/2016	15:16
MW34C	40137489009	09012016.B\09011624.D	09/01/2016	15:38
MW68A	40137489010	09012016.B\09011625.D	09/01/2016	16:01
MW68ADUP	40137489011	09012016.B\09011626.D	09/01/2016	16:23
MW68B	40137489012	09012016.B\09011627.D	09/01/2016	16:46
MW70A	40137489013	09012016.B\09011628.D	09/01/2016	17:08
MW70B	40137489014	09012016.B\09011629.D	09/01/2016	17:31
MW74A	40137489015	09012016.B\09011630.D	09/01/2016	17:54
MW74B	40137489016	09012016.B\09011631.D	09/01/2016	18:16
EW1R-76'	40137489001	09012016.B\09011632.D	09/01/2016	18:39
EW6	40137489020	09012016.B\09011633.D	09/01/2016	19:01

09/07/2016 7:20

MSV - FORM V VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.
Lab File ID: 09012016.B\09011602.D BFB Injection Date: 09/01/2016
Instrument ID: 40MSV8 BFB Injection Time: 07:24

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
TRIP BLANK B	40137489018	09012016.B\09011634.D	09/01/2016	19:24

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSV8 GC Column: Col 1 SDG No.: 40137489
 Calibration Date(s): 08/09/2016 08/09/2016 Calibration Time(s): 13:29 15:45

LAB FILE ID

CAL1 = 08092016.B\08091620.D CAL2 = 08092016.B\08091621.D CAL3 = 08092016.B\08091622.D
 CAL4 = 08092016.B\08091623.D CAL5 = 08092016.B\08091624.D CAL6 = 08092016.B\08091625.D
 CAL7 = 08092016.B\08091626.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,1-Dichloroethane	Averaged	1.76285	1.58382	1.31430	1.31296	1.33934	1.31851
1,1-Dichloroethene	Averaged	0.83937	0.90636	0.75775	0.76499	0.83351	0.83565
Tetrachloroethene	Averaged	0.40716	0.39472	0.34177	0.36085	0.36746	0.37216
1,1,1-Trichloroethane	Averaged	1.31207	1.25253	1.11892	1.16550	1.20484	1.23582
Trichloroethene	Averaged	0.32183	0.42893	0.39865	0.41534	0.42174	0.42788
4-Bromofluorobenzene (S)	Averaged	0.39327	0.40040	0.43302	0.44721	0.42974	0.42799
Dibromofluoromethane (S)	Averaged	0.55712	0.55726	0.55769	0.56752	0.57379	0.56180
Toluene-d8 (S)	Averaged	1.24694	1.27705	1.29963	1.29510	1.29347	1.26795

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 7:20

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSV8 GC Column: Col 1 SDG No.: 40137489
 Calibration Date(s): 08/09/2016 08/09/2016 Calibration Time(s): 13:29 15:45

LAB FILE ID

CAL1 = 08092016.B\08091620.D CAL2 = 08092016.B\08091621.D CAL3 = 08092016.B\08091622.D
 CAL4 = 08092016.B\08091623.D CAL5 = 08092016.B\08091624.D CAL6 = 08092016.B\08091625.D
 CAL7 = 08092016.B\08091626.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,1-Dichloroethane	Averaged	1.32864	12.57531			1.42292	
1,1-Dichloroethene	Averaged	0.88505	6.66059			0.83181	
Tetrachloroethene	Averaged	0.38017	5.78210			0.37490	
1,1,1-Trichloroethane	Averaged	1.27109	5.35689			1.22297	
Trichloroethene	Averaged	0.45010	10.15040			0.40921	
4-Bromofluorobenzene (S)	Averaged	0.42430	4.48244			0.42228	
Dibromofluoromethane (S)	Averaged	0.56446	1.11425			0.56281	
Toluene-d8 (S)	Averaged	1.24639	1.75683			1.27522	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 7:20

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

8795474ICV

Lab Name: Pace Analytical - Green Bay Calibration Date: 08/09/2016 Time: 16:53
 Instrument ID: 40MSV8 GC Column: Col 1 Init. Calib. Date(s): 08/09/2016 08/09/2016
 Lab File ID: 08092016.B\08091629.D Init. Calib. Time(s): 13:29 15:45
 SDG No.: 40137489

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.42292	1.29681	0.1000	-8.8626	50.0000
1,1-Dichloroethene	Averaged	0.83181	0.77225	0.0100	-7.1610	20.0000
Tetrachloroethene	Averaged	0.37490	0.35138	0.0100	-6.2724	50.0000
1,1,1-Trichloroethane	Averaged	1.22297	1.11839	0.0100	-8.5512	50.0000
Trichloroethene	Averaged	0.40921	0.39927	0.0100	-2.4285	50.0000
4-Bromofluorobenzene (S)	Averaged	0.42228	0.42924	0.2000	1.6483	50.0000
Dibromofluoromethane (S)	Averaged	0.56281	0.55854	0.2000	-0.7590	50.0000
Toluene-d8 (S)	Averaged	1.27522	1.26916	0.2000	-0.4753	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 7:20

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

8871905CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 09/01/2016 Time: 07:44

Instrument ID: 40MSV8 GC Column: Col 1

Init. Calib. Date(s): 08/09/2016 08/09/2016

Lab File ID: 09012016.B\09011603.D

Init. Calib. Time(s): 13:29 15:45

SDG No.: 40137489

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.42292	1.44962	0.1000	1.8765	50.0000
1,1-Dichloroethene	Averaged	0.83181	0.84720	0.0100	1.8501	20.0000
Tetrachloroethene	Averaged	0.37490	0.39884	0.0100	6.3869	50.0000
1,1,1-Trichloroethane	Averaged	1.22297	1.20635	0.0100	-1.3586	50.0000
Trichloroethene	Averaged	0.40921	0.42313	0.0100	3.4014	50.0000
4-Bromofluorobenzene (S)	Averaged	0.42228	0.43882	0.2000	3.9170	50.0000
Dibromofluoromethane (S)	Averaged	0.56281	0.54605	0.2000	-2.9784	50.0000
Toluene-d8 (S)	Averaged	1.27522	1.29626	0.2000	1.6503	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 7:20

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND. (N

Sample ID : 8871905CCV Date Analyzed: 09/01/2016

Instrument ID: 40MSV8 GC Column: Col 1 Time Analyzed: 07:44

Lab File ID: 09012016.B\09011603.D

		AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT	AREA PFB	RT
12 HOUR STD		500599	9.5	267371	13.146	562246	5.226	328282	4.312
UPPER LIMIT		1001198	10	534742	13.646	1124492	5.726	656564	4.812
LOWER LIMIT		250299.5	9	133685.5	12.646	281123	4.726	164141	3.812
LAB SAMPLE ID	SAMPLE NO.								
1385225	1385225BLANK	453424	9.5	196292	13.145	494852	5.208	286063	4.287
1385226	1385226LCS	481521	9.5	261301	13.146	542497	5.214	307771	4.294
1385227	1385227MS	472703	9.5	258911	13.145	545865	5.214	317627	4.287
1385228	1385228MSD	486579	9.5	262553	13.146	563929	5.208	320597	4.281
40137489001	EW1R-76'	376405	9.5	168701	13.145	415966	5.214	237135	4.287
40137489002	EW1R-86'	431255	9.494	184317	13.145	483618	5.208	278821	4.287
40137489003	EW1R-96'	415892	9.5	189150	13.145	464087	5.208	263456	4.287
40137489004	EW2-81'	411721	9.5	171993	13.145	461317	5.214	256365	4.293
40137489005	EW2-91'	409865	9.5	171051	13.145	439078	5.214	258258	4.293
40137489006	MW34A	396244	9.5	172120	13.145	437387	5.208	248963	4.287
40137489007	MW34B	398579	9.5	166668	13.145	436199	5.208	255402	4.293
40137489008	MW34BDUP	397320	9.5	168365	13.145	430717	5.214	248808	4.294
40137489009	MW34C	380657	9.5	159709	13.151	419856	5.208	234233	4.287
40137489010	MW68A	393948	9.5	173032	13.145	429255	5.214	250093	4.293
40137489011	MW68ADUP	380093	9.5	168533	13.146	422781	5.214	246203	4.294
40137489012	MW68B	390421	9.5	162057	13.145	426506	5.208	235972	4.293
40137489013	MW70A	376380	9.5	165418	13.145	417615	5.208	233764	4.287
40137489014	MW70B	381171	9.5	162796	13.145	410026	5.214	238355	4.293
40137489015	MW74A	396934	9.5	171220	13.145	425208	5.208	240230	4.287
40137489016	MW74B	379255	9.494	155826	13.146	421884	5.208	239581	4.288
40137489018	TRIP BLANK B	380525	9.5	151705	13.145	419368	5.214	235227	4.293
40137489019	EC1	440673	9.5	195514	13.145	480912	5.208	279924	4.287
40137489020	EW6	373444	9.5	156107	13.145	412832	5.214	240652	4.293

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

DFB = 1,4-Difluorobenzene (IS)

PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW1R-76'

Lab Name: Pace Analytical - Green Bay
Date Received: 08/31/2016 07:30
Date Extracted: 09/01/2016 18:39
Date Analyzed: 09/01/2016 18:39
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NAT'L PRESTO IND. (N
Matrix: Water SDG No.: 40137489
Lab Sample ID: 40137489001
Lab File ID: 09012016.B\09011632.D
Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW1R-86'

Lab Name: Pace Analytical - Green Bay
Date Received: 08/31/2016 07:30
Date Extracted: 09/01/2016 13:00
Date Analyzed: 09/01/2016 13:00
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NAT'L PRESTO IND. (N
Matrix: Water SDG No.: 40137489
Lab Sample ID: 40137489002
Lab File ID: 09012016.B\09011617.D
Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW1R-96'

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 13:22 Lab Sample ID: 40137489003
Date Analyzed: 09/01/2016 13:22 Lab File ID: 09012016.B\09011618.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW2-81'

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
 Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
 Date Extracted: 09/01/2016 13:45 Lab Sample ID: 40137489004
 Date Analyzed: 09/01/2016 13:45 Lab File ID: 09012016.B\09011619.D
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW2-91'

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 14:08 Lab Sample ID: 40137489005
Date Analyzed: 09/01/2016 14:08 Lab File ID: 09012016.B\09011620.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW34A

Lab Name: Pace Analytical - Green Bay
Date Received: 08/31/2016 07:30
Date Extracted: 09/01/2016 14:30
Date Analyzed: 09/01/2016 14:30
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NAT'L PRESTO IND. (N
Matrix: Water SDG No.: 40137489
Lab Sample ID: 40137489006
Lab File ID: 09012016.B\09011621.D
Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	0.50	J
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW34B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 14:53 Lab Sample ID: 40137489007
Date Analyzed: 09/01/2016 14:53 Lab File ID: 09012016.B\09011622.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW34BDUP

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
 Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
 Date Extracted: 09/01/2016 15:16 Lab Sample ID: 40137489008
 Date Analyzed: 09/01/2016 15:16 Lab File ID: 09012016.B\09011623.D
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW34C

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 15:38 Lab Sample ID: 40137489009
Date Analyzed: 09/01/2016 15:38 Lab File ID: 09012016.B\09011624.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW68A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 16:01 Lab Sample ID: 40137489010
Date Analyzed: 09/01/2016 16:01 Lab File ID: 09012016.B\09011625.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW68ADUP

Lab Name: Pace Analytical - Green Bay
Date Received: 08/31/2016 07:30
Date Extracted: 09/01/2016 16:23
Date Analyzed: 09/01/2016 16:23
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NAT'L PRESTO IND. (N
Matrix: Water SDG No.: 40137489
Lab Sample ID: 40137489011
Lab File ID: 09012016.B\09011626.D
Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW68B

Lab Name: Pace Analytical - Green Bay
Date Received: 08/31/2016 07:30
Date Extracted: 09/01/2016 16:46
Date Analyzed: 09/01/2016 16:46
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NAT'L PRESTO IND. (N
Matrix: Water SDG No.: 40137489
Lab Sample ID: 40137489012
Lab File ID: 09012016.B\09011627.D
Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	0.25	J
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW70A

Lab Name: Pace Analytical - Green Bay
Date Received: 08/31/2016 07:30
Date Extracted: 09/01/2016 17:08
Date Analyzed: 09/01/2016 17:08
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NAT'L PRESTO IND. (N
Matrix: Water SDG No.: 40137489
Lab Sample ID: 40137489013
Lab File ID: 09012016.B\09011628.D
Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	0.45	J
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.55	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW70B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 17:31 Lab Sample ID: 40137489014
Date Analyzed: 09/01/2016 17:31 Lab File ID: 09012016.B\09011629.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW74A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 17:54 Lab Sample ID: 40137489015
Date Analyzed: 09/01/2016 17:54 Lab File ID: 09012016.B\09011630.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW74B

Lab Name: Pace Analytical - Green Bay
Date Received: 08/31/2016 07:30
Date Extracted: 09/01/2016 18:16
Date Analyzed: 09/01/2016 18:16
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NAT'L PRESTO IND. (N
Matrix: Water SDG No.: 40137489
Lab Sample ID: 40137489016
Lab File ID: 09012016.B\09011631.D
Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK B

Lab Name: Pace Analytical - Green Bay
Date Received: 08/31/2016 07:30
Date Extracted: 09/01/2016 19:24
Date Analyzed: 09/01/2016 19:24
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NAT'L PRESTO IND. (N
Matrix: Water SDG No.: 40137489
Lab Sample ID: 40137489018
Lab File ID: 09012016.B\09011634.D
Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EC1

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 12:37 Lab Sample ID: 40137489019
Date Analyzed: 09/01/2016 12:37 Lab File ID: 09012016.B\09011616.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.43	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW6

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 19:01 Lab Sample ID: 40137489020
Date Analyzed: 09/01/2016 19:01 Lab File ID: 09012016.B\09011633.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	1.1	
79-01-6	Trichloroethene	0.73	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: _____
Date Extracted: 09/01/2016 08:29
Date Analyzed: 09/01/2016 08:29
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NAT'L PRESTO IND. (N
Matrix: Water SDG No.: 40137489
Lab Sample ID: 1385225
Lab File ID: 09012016.B\09011605.D
Instrument: 40MSV8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.

Instrument ID: 40MSS8

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD6	TD14
1385256	1385256BLANK	81	78	57	84	35	93
1385257	1385257LCS	76	83	52	80	32	78
1385258	1385258LCSD	78	78	48	76	32	80
40137489006	MW34A	83	74	50	76	30	80
40137489012	MW68B	62	74	40	74	26	73

QC LIMITS

(24B6) = 2,4,6-Tribromophenol (S)

(42-140)

(2FBP) = 2-Fluorobiphenyl (S)

(41-130)

(2FPH) = 2-Fluorophenol (S)

(27-130)

(NIT5) = Nitrobenzene-d5 (S)

(43-130)

(PHD6) = Phenol-d6 (S)

(15-130)

(TD14) = Terphenyl-d14 (S)

(49-130)

* Values outside of QC Limits

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.

Instrument ID: 40MSS1

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD6	TD14
40137489021	MW52B	50	54	38	68	28	57

QC LIMITS

(24B6) = 2,4,6-Tribromophenol (S)

(42-140)

(2FBP) = 2-Fluorobiphenyl (S)

(41-130)

(2FPH) = 2-Fluorophenol (S)

(27-130)

(NIT5) = Nitrobenzene-d5 (S)

(43-130)

(PHD6) = Phenol-d6 (S)

(15-130)

(TD14) = Terphenyl-d14 (S)

(49-130)

* Values outside of QC Limits

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1385256BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.
Instrument ID: 40MSS8 Matrix: Water Lab Sample ID: 1385256
Lab File ID: 090216.B\09021610.D Date Analyzed: 09/02/2016 Time: 10:05

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1385257LCS	1385257	090216.B\09021611.D	09/02/2016 10:27
1385258LCSD	1385258	090216.B\09021612.D	09/02/2016 10:48
MW52B	40137489021	090216.B\09021610.D	09/02/2016 12:24
MW34A	40137489006	090216.B\09021617.D	09/02/2016 12:35
MW68B	40137489012	090216.B\09021618.D	09/02/2016 12:56

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.
 Lab File ID: 031516.B\03151601.D DFTPP Injection Date: 03/15/2016
 Instrument ID: 40MSS1 DFTPP Injection Time: 12:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	47.32
68	Less than 2.00% of mass 69	0.00 (0.00) ¹
69	Mass 69 relative abundance	50.06
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	10.00 - 80.00% of mass 198	34.30
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 60.00% of mass 198	19.50
365	Greater than 1.00% of mass 198	2.30
441	Present, but less than mass 443	9.85
442	Greater than 50.00% of mass 198	66.49
443	15.00 - 24.00% of mass 442	12.29 (18.49) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8327677CAL7	8327677CAL7	031516.B\03151602.D	03/15/2016	13:00
8327693CAL6	8327693CAL6	031516.B\03151603.D	03/15/2016	13:32
8327676CAL5	8327676CAL5	031516.B\03151604.D	03/15/2016	14:03
8327690CAL4	8327690CAL4	031516.B\03151605.D	03/15/2016	14:37
8327691CAL3	8327691CAL3	031516.B\03151606.D	03/15/2016	15:10
8327686CAL2	8327686CAL2	031516.B\03151607.D	03/15/2016	15:42
8327673CAL1	8327673CAL1	031516.B\03151608.D	03/15/2016	16:15
8327679ICV	8327679ICV	031516.B\03151609.D	03/15/2016	16:48

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.
 Lab File ID: 090216.B\09021601.D DFTPP Injection Date: 09/02/2016
 Instrument ID: 40MSS1 DFTPP Injection Time: 07:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	49.93
68	Less than 2.00% of mass 69	0.00 (0.00) ¹
69	Mass 69 relative abundance	51.06
70	Less than 2.00% of mass 69	0.33 (0.64) ¹
127	10.00 - 80.00% of mass 198	36.51
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.24
275	10.00 - 60.00% of mass 198	19.06
365	Greater than 1.00% of mass 198	2.03
441	Present, but less than mass 443	8.99
442	Greater than 50.00% of mass 198	54.93
443	15.00 - 24.00% of mass 442	10.74 (19.55) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8877882CCV	8877882CCV	090216.B\09021602.D	09/02/2016	08:06
MW52B	40137489021	090216.B\09021610.D	09/02/2016	12:24

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.
 Lab File ID: 061316.B\06131603.D DFTPP Injection Date: 06/13/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 08:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	37.44
68	Less than 2.00% of mass 69	0.60 (1.62) ¹
69	Mass 69 relative abundance	37.06
70	Less than 2.00% of mass 69	0.15 (0.42) ¹
127	10.00 - 80.00% of mass 198	47.81
197	Less than 2.00% of mass 198	0.38
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 60.00% of mass 198	25.17
365	Greater than 1.00% of mass 198	3.42
441	Present, but less than mass 443	12.45
442	Greater than 50.00% of mass 198	85.88
443	15.00 - 24.00% of mass 442	15.94 (18.56) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8617323CAL7	8617323CAL7	061316.B\06131604.D	06/13/2016	08:26
8617319CAL6	8617319CAL6	061316.B\06131605.D	06/13/2016	08:47
8617322CAL5	8617322CAL5	061316.B\06131606.D	06/13/2016	09:08
8617328CAL4	8617328CAL4	061316.B\06131607.D	06/13/2016	09:29
8617327CAL3	8617327CAL3	061316.B\06131608.D	06/13/2016	09:50
8617340CAL2	8617340CAL2	061316.B\06131609.D	06/13/2016	10:11
8617324CAL1	8617324CAL1	061316.B\06131610.D	06/13/2016	10:32
8617321ICV	8617321ICV	061316.B\06131611.D	06/13/2016	10:53

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND.
 Lab File ID: 090216.B\09021603.D DFTPP Injection Date: 09/02/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 07:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	42.05
68	Less than 2.00% of mass 69	0.78 (1.91) ¹
69	Mass 69 relative abundance	40.65
70	Less than 2.00% of mass 69	0.25 (0.60) ¹
127	10.00 - 80.00% of mass 198	50.22
197	Less than 2.00% of mass 198	0.73
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.53
275	10.00 - 60.00% of mass 198	24.34
365	Greater than 1.00% of mass 198	3.22
441	Present, but less than mass 443	12.02
442	Greater than 50.00% of mass 198	79.79
443	15.00 - 24.00% of mass 442	15.98 (20.03) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8877554CCV	8877554CCV	090216.B\09021604.D	09/02/2016	07:55
1385256BLANK	1385256BLANK	090216.B\09021610.D	09/02/2016	10:05
1385257LCS	1385257LCS	090216.B\09021611.D	09/02/2016	10:27
1385258LCSD	1385258LCSD	090216.B\09021612.D	09/02/2016	10:48
MW34A	40137489006	090216.B\09021617.D	09/02/2016	12:35
MW68B	40137489012	090216.B\09021618.D	09/02/2016	12:56

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS1 GC Column: Col 1 SDG No.: 40137489
 Calibration Date(s): 03/15/2016 03/15/2016 Calibration Time(s): 13:00 16:15

LAB FILE ID

CAL1 = 031516.B\03151608.D CAL2 = 031516.B\03151607.D CAL3 = 031516.B\03151606.D
 CAL4 = 031516.B\03151605.D CAL5 = 031516.B\03151604.D CAL6 = 031516.B\03151603.D
 CAL7 = 031516.B\03151602.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,4-Dioxane (p-Dioxane)	Averaged	0.57747	0.62586	0.59559	0.58872	0.60107	0.63904
2-Fluorobiphenyl (S)	Averaged	1.74658	1.69292	1.74026	1.62859	1.56774	1.46732
2-Fluorophenol (S)	Averaged	1.26132	1.19743	1.32289	1.32312	1.23986	1.17003
Nitrobenzene-d5 (S)	Averaged	0.36956	0.37260	0.38767	0.37559	0.35510	0.35445
Phenol-d6 (S)	Averaged	1.53316	1.47323	1.65325	1.56853	1.46863	1.44175
Terphenyl-d14 (S)	Averaged	1.12591	1.16067	1.03732	0.97110	1.00632	0.89356
2,4,6-Tribromophenol (S)	Averaged	0.19922	0.18699	0.22053	0.19571	0.18416	0.20599

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 8:29

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS1 GC Column: Col 1 SDG No.: 40137489
 Calibration Date(s): 03/15/2016 03/15/2016 Calibration Time(s): 13:00 16:15

LAB FILE ID

CAL1 = 031516.B\03151608.D CAL2 = 031516.B\03151607.D CAL3 = 031516.B\03151606.D
 CAL4 = 031516.B\03151605.D CAL5 = 031516.B\03151604.D CAL6 = 031516.B\03151603.D
 CAL7 = 031516.B\03151602.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,4-Dioxane (p-Dioxane)	Averaged	0.59066	3.64021			0.60263	
2-Fluorobiphenyl (S)	Averaged	1.43391	7.85095			1.61105	
2-Fluorophenol (S)	Averaged	1.26529	4.62088			1.25427	
Nitrobenzene-d5 (S)	Averaged	0.34987	3.74348			0.36641	
Phenol-d6 (S)	Averaged	1.44289	5.17305			1.51163	
Terphenyl-d14 (S)	Averaged	0.95106	9.34597			1.02085	
2,4,6-Tribromophenol (S)	Averaged	0.20949	6.40045			0.20030	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 8:29

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40137489
 Calibration Date(s): 06/13/2016 06/13/2016 Calibration Time(s): 08:26 10:32

LAB FILE ID

CAL1 = 061316.B\06131610.D CAL2 = 061316.B\06131609.D CAL3 = 061316.B\06131608.D
 CAL4 = 061316.B\06131607.D CAL5 = 061316.B\06131606.D CAL6 = 061316.B\06131605.D
 CAL7 = 061316.B\06131604.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,4-Dioxane (p-Dioxane)	Averaged	0.69668	0.62910	0.61298	0.58513	0.61967	0.58844
2-Fluorobiphenyl (S)	Averaged	1.48339	1.39389	1.36256	1.34145	1.37696	1.29879
2-Fluorophenol (S)	Averaged	1.17776	1.21183	1.23174	1.21361	1.27760	1.28326
Nitrobenzene-d5 (S)	Averaged	0.33333	0.33867	0.34945	0.35416	0.36368	0.36489
Phenol-d6 (S)	Averaged	1.56241	1.56975	1.60057	1.63603	1.60841	1.67638
Terphenyl-d14 (S)	Averaged	0.79797	0.83329	0.85144	0.84225	0.89357	0.87375
2,4,6-Tribromophenol (S)	Averaged	0.16780	0.17338	0.19265	0.19443	0.19231	0.20757

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 8:29

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40137489
 Calibration Date(s): 06/13/2016 06/13/2016 Calibration Time(s): 08:26 10:32

LAB FILE ID

CAL1 = 061316.B\06131610.D CAL2 = 061316.B\06131609.D CAL3 = 061316.B\06131608.D
 CAL4 = 061316.B\06131607.D CAL5 = 061316.B\06131606.D CAL6 = 061316.B\06131605.D
 CAL7 = 061316.B\06131604.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,4-Dioxane (p-Dioxane)	Averaged	0.60546	6.05087			0.61964	
2-Fluorobiphenyl (S)	Averaged	1.31777	4.43829			1.36783	
2-Fluorophenol (S)	Averaged	1.27999	3.34512			1.23940	
Nitrobenzene-d5 (S)	Averaged	0.36829	3.82499			0.35321	
Phenol-d6 (S)	Averaged	1.66044	2.68840			1.61629	
Terphenyl-d14 (S)	Averaged	0.86579	3.63734			0.85115	
2,4,6-Tribromophenol (S)	Averaged	0.20275	7.65873			0.19013	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 8:29

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

8327679ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 03/15/2016 Time: 16:48

Instrument ID: 40MSS1 GC Column: Col 1

Init. Calib. Date(s): 03/15/2016 03/15/2016

Lab File ID: 031516.B\03151609.D

Init. Calib. Time(s): 13:00 23:54

SDG No.: 40137489

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.60263	0.56849	0.0500	-5.6644	50.0000
2-Fluorobiphenyl (S)	Averaged	1.61105	1.48702	0.0500	-7.6983	50.0000
2-Fluorophenol (S)	Averaged	1.25427	1.24243	0.0500	-0.9441	50.0000
Nitrobenzene-d5 (S)	Averaged	0.36641	0.35049	0.0500	-4.3443	50.0000
Phenol-d6 (S)	Averaged	1.51163	1.50009	0.0500	-0.7635	50.0000
Terphenyl-d14 (S)	Averaged	1.02085	0.88326	0.0500	-13.4776	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.20030	0.21548	0.0500	7.5809	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 8:29

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

8877882CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 09/02/2016 Time: 08:06

Instrument ID: 40MSS1 GC Column: Col 1

Init. Calib. Date(s): 03/15/2016 03/15/2016

Lab File ID: 090216.B\09021602.D

Init. Calib. Time(s): 13:00 23:54

SDG No.: 40137489

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.60263	0.68350	0.0500	13.4190	50.0000
2-Fluorobiphenyl (S)	Averaged	1.61105	1.38527	0.0500	-14.0141	50.0000
2-Fluorophenol (S)	Averaged	1.25427	1.50983	0.0500	20.3745	50.0000
Nitrobenzene-d5 (S)	Averaged	0.36641	0.37734	0.0500	2.9843	50.0000
Phenol-d6 (S)	Averaged	1.51163	1.66913	0.0500	10.4191	50.0000
Terphenyl-d14 (S)	Averaged	1.02085	0.98195	0.0500	-3.8107	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.20030	0.17172	0.0500	-14.2691	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 8:29

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

8617321ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 06/13/2016 Time: 10:53

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 06/13/2016 06/13/2016

Lab File ID: 061316.B\06131611.D

Init. Calib. Time(s): 08:26 15:55

SDG No.: 40137489

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.61964	0.61195	0.0500	-1.2408	50.0000
2-Fluorobiphenyl (S)	Averaged	1.36783	1.46233	0.0500	6.9091	50.0000
2-Fluorophenol (S)	Averaged	1.23940	1.19878	0.0500	-3.2773	50.0000
Nitrobenzene-d5 (S)	Averaged	0.35321	0.37236	0.0500	5.4226	50.0000
Phenol-d6 (S)	Averaged	1.61629	1.63796	0.0500	1.3412	50.0000
Terphenyl-d14 (S)	Averaged	0.85115	0.84308	0.0500	-0.9490	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.19013	0.20622	0.0500	8.4614	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 8:30

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

8877554CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 09/02/2016 Time: 07:55

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 06/13/2016 06/13/2016

Lab File ID: 090216.B\09021604.D

Init. Calib. Time(s): 08:26 15:55

SDG No.: 40137489

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.61964	0.66971	0.0500	8.0806	50.0000
2-Fluorobiphenyl (S)	Averaged	1.36783	1.48928	0.0500	8.8789	50.0000
2-Fluorophenol (S)	Averaged	1.23940	1.44308	0.0500	16.4335	50.0000
Nitrobenzene-d5 (S)	Averaged	0.35321	0.38241	0.0500	8.2673	50.0000
Phenol-d6 (S)	Averaged	1.61629	1.75587	0.0500	8.6362	50.0000
Terphenyl-d14 (S)	Averaged	0.85115	0.89693	0.0500	5.3783	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.19013	0.19206	0.0500	1.0141	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 8:29

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND. (N
 Sample ID : 8877882CCV Date Analyzed: 09/02/2016
 Instrument ID: 40MSS1 GC Column: Col 1 Time Analyzed: 08:06
 Lab File ID: 090216.B\09021602.D

	AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD	905489	9.61	796600	16.183	625817	5.206	2059115	6.917
UPPER LIMIT	1810978	10.11	1593200	16.683	1251634	5.706	4118230	7.417
LOWER LIMIT	452744.5	9.11	398300	15.683	312908.5	4.706	1029557.5	6.417
LAB SAMPLE ID	SAMPLE NO.							
40137489021	MW52B		630887	9.61	448308	16.172	414155	5.207
							1294092	6.918

ANT = Acenaphthene-d10 (IS)
 CRY = Chrysene-d12 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND. (N
 Sample ID : 8877882CCV Date Analyzed: 09/02/2016
 Instrument ID: 40MSS1 GC Column: Col 1 Time Analyzed: 08:06
 Lab File ID: 090216.B\09021602.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		1193992	11.931	639415	18.548
UPPER LIMIT		2387984	12.431	1278830	19.048
LOWER LIMIT		596996	11.431	319707.5	18.048
LAB SAMPLE ID	SAMPLE NO.				
40137489021	MW52B	847970	11.932	289664*	18.538

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND. (N
 Sample ID : 8877554CCV Date Analyzed: 09/02/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 07:55
 Lab File ID: 090216.B\09021604.D

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		248505	6.545	438060	10.627	116969	4.133	466739	5.109
UPPER LIMIT		497010	7.045	876120	11.127	233938	4.633	933478	5.609
LOWER LIMIT		124252.5	6.045	219030	10.127	58484.5	3.633	233369.5	4.609
LAB SAMPLE ID	SAMPLE NO.								
1385256	1385256BLANK	242517	6.544	369854	10.626	112419	4.133	445041	5.109
1385257	1385257LCS	159241	6.539	275198	10.627	76305	4.133	290237	5.109
1385258	1385258LCSD	238291	6.538	390042	10.626	106037	4.133	428348	5.109
40137489006	MW34A	256557	6.538	465532	10.626	117939	4.133	458879	5.109
40137489012	MW68B	188725	6.539	315173	10.621	90238	4.133	348743	5.109

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137489 Contract: 34283.000 NAT'L PRESTO IND. (N
 Sample ID : 8877554CCV Date Analyzed: 09/02/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 07:55
 Lab File ID: 090216.B\09021604.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		426990	7.774	379463	13.326
UPPER LIMIT		853980	8.274	758926	13.826
LOWER LIMIT		213495	7.274	189731.5	12.826
LAB SAMPLE ID	SAMPLE NO.				
1385256	1385256BLANK	416909	7.774	320443	13.326
1385257	1385257LCS	260796	7.768	227836	13.321
1385258	1385258LCSD	388579	7.774	327536	13.326
40137489006	MW34A	465522	7.768	426543	13.32
40137489012	MW68B	339563	7.768	278054	13.321

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW34A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 09:15 Lab Sample ID: 40137489006
Date Analyzed: 09/02/2016 12:35 Lab File ID: 090216.B\09021617.D
Initial wt/vol: 1050 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW68B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 09:15 Lab Sample ID: 40137489012
Date Analyzed: 09/02/2016 12:56 Lab File ID: 090216.B\09021618.D
Initial wt/vol: 1060 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW52B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
 Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137489
 Date Extracted: 09/01/2016 09:15 Lab Sample ID: 40137489021
 Date Analyzed: 09/02/2016 12:24 Lab File ID: 090216.B\09021610.D
 Initial wt/vol: 1050 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS1 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NAT'L PRESTO IND. (N
Date Received: _____ Matrix: Water SDG No.: 40137489
Date Extracted: 09/01/2016 09:15 Lab Sample ID: 1385256
Date Analyzed: 09/02/2016 10:05 Lab File ID: 090216.B\09021610.D
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<3.0	U



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 40137573

Project Overview

Final Report with COC/SCUR	1
SDG Narrative	41

Organic

GC-MS Volatiles

Surrogate Recovery Summary (Form 2)	44
Laboratory Control Spike/Laboratory Control Spike Duplicate Summary (Form 3)	46
Matrix Spike/Matrix Spike Duplicate Summary (Form 3)	48
Method Blank Association Summary (Form 4)	52
Instrument Performance Check (Form 5)	54
Initial Calibration (Form 6)	57
Continuing Calibration (Form 7)	59
Internal Standard Area & Retention Time Summary (Form 8)	62
Analytical Results with Raw Data (Form 1)	64
Raw Data QC	79

GC-MS Semivolatiles

Surrogate Recovery Summary (Form 2)	81
Method Blank Association Summary (Form 4)	83
Instrument Performance Check (Form 5)	84
Initial Calibration (Form 6)	88
Continuing Calibration (Form 7)	92
Internal Standard Area & Retention Time Summary (Form 8)	96
Analytical Results with Raw Data (Form 1)	100
Raw Data QC	105

InOrganic

ICP

Analytical Results (Form 1-IN)	106
Initial & Continuing Calibration Verification (Form 2A-IN)	111
CRDL Check Standard (Form 2B-IN)	115
Blanks (Form 3-IN)	117
Interference Check Sample (Form 4A-IN)	120
Matrix Spike Recovery (Form 5A-IN)	122
Duplicates (Form 6-IN)	124
Laboratory Control Spike (Form 7-IN)	125
Serial Dilution (Form 8-IN)	126
Method Detection Limits (Form 9-IN)	127
Interelement Correction Factors (Form 10-IN)	129
Linear Ranges (Form 11-IN)	131
Preparation Log (Form 12-IN)	132
Analysis Run Log (Form 13-IN)	133

September 08, 2016

Clifford Wright
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on September 01, 2016. 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.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.



40137573

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40137573001	EW-5	Water	08/30/16 08:15	09/01/16 07:30
40137573002	MH-18	Water	08/30/16 08:20	09/01/16 07:30
40137573003	MW-10A	Water	08/29/16 14:05	09/01/16 07:30
40137573004	MW-10B	Water	08/29/16 13:58	09/01/16 07:30
40137573005	MW-23A	Water	08/30/16 16:00	09/01/16 07:30
40137573006	MW-23B	Water	08/30/16 16:05	09/01/16 07:30
40137573007	MW-38B	Water	08/30/16 15:30	09/01/16 07:30
40137573008	MW-68B	Water	08/29/16 16:05	09/01/16 07:30
40137573009	MW-70B	Water	08/29/16 14:25	09/01/16 07:30
40137573010	MW-75	Water	08/29/16 15:20	09/01/16 07:30
40137573011	MW-76A	Water	08/30/16 07:40	09/01/16 07:30
40137573012	MW-77A	Water	08/31/16 09:00	09/01/16 07:30
40137573013	MW-77B	Water	08/31/16 09:05	09/01/16 07:30
40137573014	MW-77C	Water	08/31/16 08:50	09/01/16 07:30
40137573015	RW-16	Water	08/30/16 13:55	09/01/16 07:30
40137573016	RW-3C	Water	08/30/16 13:20	09/01/16 07:30
40137573017	MW-4A	Water	08/31/16 08:25	09/01/16 07:30
40137573018	MW-4B	Water	08/31/16 08:20	09/01/16 07:30
40137573019	TRIP BLANK C	Water	08/30/16 00:00	09/01/16 07:30
40137573020	TRIP BLANK D	Water	08/31/16 00:00	09/01/16 07:30
40137573021	MW-4B DUP	Water	08/31/16 08:20	09/01/16 07:30
40137573022	FIELD BLANK 2	Water	08/31/16 07:50	09/01/16 07:30
40137573023	FIELD BLANK 1	Water	08/30/16 09:20	09/01/16 07:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40137573001	EW-5	EPA 8260	HNW	8	PASI-G
40137573002	MH-18	EPA 8260	HNW	8	PASI-G
40137573003	MW-10A	EPA 6010	DLB	1	PASI-G
40137573004	MW-10B	EPA 6010	DLB	1	PASI-G
40137573005	MW-23A	EPA 8260	HNW	8	PASI-G
40137573006	MW-23B	EPA 8260	HNW	8	PASI-G
40137573007	MW-38B	EPA 8270	RJN	7	PASI-G
40137573008	MW-68B	EPA 6010	DLB	1	PASI-G
40137573009	MW-70B	EPA 6010	DLB	1	PASI-G
40137573010	MW-75	EPA 6010	DLB	1	PASI-G
40137573011	MW-76A	EPA 8270	RJN	7	PASI-G
		EPA 8260	HNW	8	PASI-G
40137573012	MW-77A	EPA 8260	HNW	8	PASI-G
40137573013	MW-77B	EPA 8270	RJN	7	PASI-G
		EPA 8260	HNW	8	PASI-G
40137573014	MW-77C	EPA 8260	HNW	8	PASI-G
40137573015	RW-16	EPA 8270	RJN	7	PASI-G
40137573016	RW-3C	EPA 8270	RJN	7	PASI-G
40137573017	MW-4A	EPA 8260	HNW	8	PASI-G
40137573018	MW-4B	EPA 8260	HNW	8	PASI-G
40137573019	TRIP BLANK C	EPA 8260	HNW	8	PASI-G
40137573020	TRIP BLANK D	EPA 8260	HNW	8	PASI-G
40137573021	MW-4B DUP	EPA 8260	HNW	8	PASI-G
40137573022	FIELD BLANK 2	EPA 8260	HNW	8	PASI-G
40137573023	FIELD BLANK 1	EPA 8260	HNW	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40137573001	EW-5					
EPA 8260	Trichloroethene	0.43J	ug/L	1.0	09/02/16 20:04	
40137573002	MH-18					
EPA 8260	1,1,1-Trichloroethane	0.69J	ug/L	1.0	09/02/16 20:27	
EPA 8260	Trichloroethene	0.51J	ug/L	1.0	09/02/16 20:27	
40137573003	MW-10A					
EPA 6010	Cadmium, Dissolved	18.8	ug/L	5.0	09/06/16 10:43	
40137573004	MW-10B					
EPA 6010	Cadmium, Dissolved	3.6J	ug/L	5.0	09/06/16 10:50	
40137573005	MW-23A					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	09/02/16 20:49	
40137573006	MW-23B					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	09/02/16 21:11	
40137573008	MW-68B					
EPA 6010	Cadmium, Dissolved	4.0J	ug/L	5.0	09/02/16 19:10	
40137573009	MW-70B					
EPA 6010	Cadmium, Dissolved	4.1J	ug/L	5.0	09/02/16 19:12	
40137573010	MW-75					
EPA 6010	Cadmium, Dissolved	2.2J	ug/L	5.0	09/02/16 19:15	
40137573012	MW-77A					
EPA 8260	Trichloroethene	0.91J	ug/L	1.0	09/02/16 21:56	
40137573013	MW-77B					
EPA 8260	Trichloroethene	1.8	ug/L	1.0	09/02/16 22:19	
40137573014	MW-77C					
EPA 8260	Trichloroethene	0.55J	ug/L	1.0	09/02/16 22:41	
40137573018	MW-4B					
EPA 8260	Trichloroethene	0.38J	ug/L	1.0	09/02/16 23:26	
40137573021	MW-4B DUP					
EPA 8260	Trichloroethene	0.40J	ug/L	1.0	09/03/16 00:32	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: September 08, 2016

General Information:

5 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: September 08, 2016

General Information:

5 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 234098

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: September 08, 2016

General Information:

15 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 234140

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40137596001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 1387666)
 - 1,1,1-Trichloroethane
 - 1,1-Dichloroethane

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: EW-5 **Lab ID: 40137573001** Collected: 08/30/16 08:15 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 20:04	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 20:04	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 20:04	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 20:04	127-18-4	
Trichloroethene	0.43J	ug/L	1.0	0.33	1		09/02/16 20:04	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		09/02/16 20:04	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		09/02/16 20:04	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 20:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MH-18 **Lab ID: 40137573002** Collected: 08/30/16 08:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.69J	ug/L	1.0	0.50	1		09/02/16 20:27	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 20:27	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 20:27	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 20:27	127-18-4	
Trichloroethene	0.51J	ug/L	1.0	0.33	1		09/02/16 20:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 20:27	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		09/02/16 20:27	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 20:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-10A **Lab ID: 40137573003** Collected: 08/29/16 14:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	18.8	ug/L	5.0	0.60	1		09/06/16 10:43	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-10B **Lab ID: 40137573004** Collected: 08/29/16 13:58 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	3.6J	ug/L	5.0	0.60	1		09/06/16 10:50	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Sample: MW-23A **Lab ID: 40137573005** Collected: 08/30/16 16:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 20:49	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 20:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 20:49	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 20:49	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.33	1		09/02/16 20:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 20:49	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		09/02/16 20:49	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 20:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-23B **Lab ID: 40137573006** Collected: 08/30/16 16:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 21:11	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 21:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 21:11	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 21:11	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.33	1		09/02/16 21:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 21:11	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		09/02/16 21:11	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/02/16 21:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-38B **Lab ID: 40137573007** Collected: 08/30/16 15:30 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/06/16 07:55	09/07/16 09:43	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	82	%	43-130		1	09/06/16 07:55	09/07/16 09:43	4165-60-0	
2-Fluorobiphenyl (S)	84	%	41-130		1	09/06/16 07:55	09/07/16 09:43	321-60-8	
Terphenyl-d14 (S)	91	%	49-130		1	09/06/16 07:55	09/07/16 09:43	1718-51-0	
Phenol-d6 (S)	32	%	15-130		1	09/06/16 07:55	09/07/16 09:43	13127-88-3	
2-Fluorophenol (S)	52	%	27-130		1	09/06/16 07:55	09/07/16 09:43	367-12-4	
2,4,6-Tribromophenol (S)	88	%	42-140		1	09/06/16 07:55	09/07/16 09:43	118-79-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-68B **Lab ID: 40137573008** Collected: 08/29/16 16:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	4.0J	ug/L	5.0	0.60	1		09/02/16 19:10	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-70B **Lab ID: 40137573009** Collected: 08/29/16 14:25 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	4.1J	ug/L	5.0	0.60	1		09/02/16 19:12	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-75 **Lab ID: 40137573010** Collected: 08/29/16 15:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Cadmium, Dissolved	2.2J	ug/L	5.0	0.60	1		09/02/16 19:15	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-76A **Lab ID: 40137573011** Collected: 08/30/16 07:40 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.8	2.9	1	09/06/16 07:55	09/07/16 10:04	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	83	%	43-130		1	09/06/16 07:55	09/07/16 10:04	4165-60-0	
2-Fluorobiphenyl (S)	89	%	41-130		1	09/06/16 07:55	09/07/16 10:04	321-60-8	
Terphenyl-d14 (S)	98	%	49-130		1	09/06/16 07:55	09/07/16 10:04	1718-51-0	
Phenol-d6 (S)	32	%	15-130		1	09/06/16 07:55	09/07/16 10:04	13127-88-3	
2-Fluorophenol (S)	54	%	27-130		1	09/06/16 07:55	09/07/16 10:04	367-12-4	
2,4,6-Tribromophenol (S)	95	%	42-140		1	09/06/16 07:55	09/07/16 10:04	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 21:34	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 21:34	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 21:34	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 21:34	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/02/16 21:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 21:34	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/02/16 21:34	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/02/16 21:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-77A **Lab ID: 40137573012** Collected: 08/31/16 09:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 21:56	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 21:56	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 21:56	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 21:56	127-18-4	
Trichloroethene	0.91J	ug/L	1.0	0.33	1		09/02/16 21:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 21:56	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		09/02/16 21:56	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/02/16 21:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-77B **Lab ID: 40137573013** Collected: 08/31/16 09:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/06/16 07:55	09/07/16 12:02	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	89	%	43-130		1	09/06/16 07:55	09/07/16 12:02	4165-60-0	
2-Fluorobiphenyl (S)	74	%	41-130		1	09/06/16 07:55	09/07/16 12:02	321-60-8	
Terphenyl-d14 (S)	96	%	49-130		1	09/06/16 07:55	09/07/16 12:02	1718-51-0	
Phenol-d6 (S)	32	%	15-130		1	09/06/16 07:55	09/07/16 12:02	13127-88-3	
2-Fluorophenol (S)	49	%	27-130		1	09/06/16 07:55	09/07/16 12:02	367-12-4	
2,4,6-Tribromophenol (S)	79	%	42-140		1	09/06/16 07:55	09/07/16 12:02	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 22:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 22:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 22:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 22:19	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.33	1		09/02/16 22:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 22:19	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		09/02/16 22:19	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 22:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-77C **Lab ID: 40137573014** Collected: 08/31/16 08:50 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 22:41	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 22:41	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 22:41	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 22:41	127-18-4	
Trichloroethene	0.55J	ug/L	1.0	0.33	1		09/02/16 22:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 22:41	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/02/16 22:41	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/02/16 22:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: RW-16 **Lab ID: 40137573015** Collected: 08/30/16 13:55 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/06/16 07:55	09/07/16 11:30	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	86	%	43-130		1	09/06/16 07:55	09/07/16 11:30	4165-60-0	
2-Fluorobiphenyl (S)	93	%	41-130		1	09/06/16 07:55	09/07/16 11:30	321-60-8	
Terphenyl-d14 (S)	94	%	49-130		1	09/06/16 07:55	09/07/16 11:30	1718-51-0	
Phenol-d6 (S)	31	%	15-130		1	09/06/16 07:55	09/07/16 11:30	13127-88-3	
2-Fluorophenol (S)	52	%	27-130		1	09/06/16 07:55	09/07/16 11:30	367-12-4	
2,4,6-Tribromophenol (S)	85	%	42-140		1	09/06/16 07:55	09/07/16 11:30	118-79-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: RW-3C **Lab ID: 40137573016** Collected: 08/30/16 13:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/06/16 07:55	09/07/16 11:51	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	85	%	43-130		1	09/06/16 07:55	09/07/16 11:51	4165-60-0	
2-Fluorobiphenyl (S)	89	%	41-130		1	09/06/16 07:55	09/07/16 11:51	321-60-8	
Terphenyl-d14 (S)	90	%	49-130		1	09/06/16 07:55	09/07/16 11:51	1718-51-0	
Phenol-d6 (S)	30	%	15-130		1	09/06/16 07:55	09/07/16 11:51	13127-88-3	
2-Fluorophenol (S)	49	%	27-130		1	09/06/16 07:55	09/07/16 11:51	367-12-4	
2,4,6-Tribromophenol (S)	78	%	42-140		1	09/06/16 07:55	09/07/16 11:51	118-79-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Sample: MW-4A **Lab ID: 40137573017** Collected: 08/31/16 08:25 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 23:03	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 23:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 23:03	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 23:03	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/02/16 23:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/02/16 23:03	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		09/02/16 23:03	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 23:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-4B **Lab ID: 40137573018** Collected: 08/31/16 08:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 23:26	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 23:26	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 23:26	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 23:26	127-18-4	
Trichloroethene	0.38J	ug/L	1.0	0.33	1		09/02/16 23:26	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 23:26	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		09/02/16 23:26	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 23:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: TRIP BLANK C **Lab ID: 40137573019** Collected: 08/30/16 00:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 23:48	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 23:48	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 23:48	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 23:48	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/02/16 23:48	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/02/16 23:48	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/02/16 23:48	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 23:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: TRIP BLANK D **Lab ID: 40137573020** Collected: 08/31/16 00:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/03/16 00:10	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/03/16 00:10	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/03/16 00:10	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/03/16 00:10	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/03/16 00:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/03/16 00:10	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		09/03/16 00:10	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/03/16 00:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: MW-4B DUP **Lab ID: 40137573021** Collected: 08/31/16 08:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/03/16 00:32	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/03/16 00:32	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/03/16 00:32	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/03/16 00:32	127-18-4	
Trichloroethene	0.40J	ug/L	1.0	0.33	1		09/03/16 00:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/03/16 00:32	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		1		09/03/16 00:32	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/03/16 00:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: FIELD BLANK 2 **Lab ID: 40137573022** Collected: 08/31/16 07:50 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/03/16 00:55	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/03/16 00:55	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/03/16 00:55	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/03/16 00:55	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/03/16 00:55	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/03/16 00:55	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		09/03/16 00:55	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/03/16 00:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Sample: FIELD BLANK 1 **Lab ID: 40137573023** Collected: 08/30/16 09:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/07/16 14:50	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/07/16 14:50	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/07/16 14:50	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/07/16 14:50	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/07/16 14:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		09/07/16 14:50	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		09/07/16 14:50	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		09/07/16 14:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

QC Batch: 234063 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40137573003, 40137573004, 40137573008, 40137573009, 40137573010

METHOD BLANK: 1386998 Matrix: Water
Associated Lab Samples: 40137573003, 40137573004, 40137573008, 40137573009, 40137573010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<0.60	5.0	09/06/16 10:38	

METHOD BLANK: 1387002 Matrix: Water
Associated Lab Samples: 40137573003, 40137573004, 40137573008, 40137573009, 40137573010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<0.60	5.0	09/06/16 11:02	

LABORATORY CONTROL SAMPLE: 1386999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	475	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1387000 1387001

Parameter	Units	40137573003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium, Dissolved	ug/L	18.8	500	500	493	493	95	95	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

QC Batch:	233966	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40137573001, 40137573002, 40137573005, 40137573006, 40137573011, 40137573012, 40137573013, 40137573014, 40137573017, 40137573018, 40137573019, 40137573020, 40137573021, 40137573022		

METHOD BLANK: 1386117 Matrix: Water
Associated Lab Samples: 40137573001, 40137573002, 40137573005, 40137573006, 40137573011, 40137573012, 40137573013, 40137573014, 40137573017, 40137573018, 40137573019, 40137573020, 40137573021, 40137573022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/02/16 16:43	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/02/16 16:43	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/02/16 16:43	
Tetrachloroethene	ug/L	<0.50	1.0	09/02/16 16:43	
Trichloroethene	ug/L	<0.33	1.0	09/02/16 16:43	
4-Bromofluorobenzene (S)	%	92	70-130	09/02/16 16:43	
Dibromofluoromethane (S)	%	98	70-130	09/02/16 16:43	
Toluene-d8 (S)	%	96	70-130	09/02/16 16:43	

LABORATORY CONTROL SAMPLE: 1386118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.4	92	70-131	
1,1-Dichloroethane	ug/L	20	18.8	94	70-133	
1,1-Dichloroethene	ug/L	20	17.3	86	70-130	
Tetrachloroethene	ug/L	20	18.3	92	70-138	
Trichloroethene	ug/L	20	18.6	93	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1386119 1386120

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
1,1,1-Trichloroethane	ug/L	<0.50	50	50	54.2	57.0	108	113	70-134	5	20
1,1-Dichloroethane	ug/L	<0.24	50	50	52.6	54.6	105	109	70-134	4	20
1,1-Dichloroethene	ug/L	<0.41	50	50	50.6	53.0	101	106	68-136	5	20
Tetrachloroethene	ug/L	<0.50	50	50	52.3	55.5	104	111	70-148	6	20
Trichloroethene	ug/L	<0.33	50	50	52.0	56.4	104	112	70-131	8	20
4-Bromofluorobenzene (S)	%						102	100	70-130		
Dibromofluoromethane (S)	%						105	102	70-130		
Toluene-d8 (S)	%						98	96	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

QC Batch: 234140 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40137573023

METHOD BLANK: 1387391 Matrix: Water
Associated Lab Samples: 40137573023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/07/16 07:42	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/07/16 07:42	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/07/16 07:42	
Tetrachloroethene	ug/L	<0.50	1.0	09/07/16 07:42	
Trichloroethene	ug/L	<0.33	1.0	09/07/16 07:42	
4-Bromofluorobenzene (S)	%	91	70-130	09/07/16 07:42	
Dibromofluoromethane (S)	%	121	70-130	09/07/16 07:42	
Toluene-d8 (S)	%	94	70-130	09/07/16 07:42	

LABORATORY CONTROL SAMPLE: 1387392

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.9	112	70-131	
1,1-Dichloroethane	ug/L	50	54.9	110	70-133	
1,1-Dichloroethene	ug/L	50	53.0	106	70-130	
Tetrachloroethene	ug/L	50	52.3	105	70-138	
Trichloroethene	ug/L	50	54.4	109	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			106	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1387665 1387666

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
1,1,1-Trichloroethane	ug/L	50	<0.00050 mg/L	50	59.5	119	138	70-134	15	20	M1
1,1-Dichloroethane	ug/L	50	<0.00024 mg/L	50	58.2	116	137	70-134	16	20	M1
1,1-Dichloroethene	ug/L	50	<0.00041 mg/L	50	57.1	114	133	68-136	15	20	
Tetrachloroethene	ug/L	50	<0.00050 mg/L	50	55.0	110	109	70-148	0	20	
Trichloroethene	ug/L	50	<0.00033 mg/L	50	56.5	113	112	70-131	1	20	
4-Bromofluorobenzene (S)	%					101	102	70-130			
Dibromofluoromethane (S)	%					106	124	70-130			
Toluene-d8 (S)	%					95	94	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

QC Batch: 234098 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40137573007, 40137573011, 40137573013, 40137573015, 40137573016

METHOD BLANK: 1387265 Matrix: Water
Associated Lab Samples: 40137573007, 40137573011, 40137573013, 40137573015, 40137573016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	09/07/16 08:39	
2,4,6-Tribromophenol (S)	%	79	42-140	09/07/16 08:39	
2-Fluorobiphenyl (S)	%	73	41-130	09/07/16 08:39	
2-Fluorophenol (S)	%	53	27-130	09/07/16 08:39	
Nitrobenzene-d5 (S)	%	79	43-130	09/07/16 08:39	
Phenol-d6 (S)	%	32	15-130	09/07/16 08:39	
Terphenyl-d14 (S)	%	94	49-130	09/07/16 08:39	

LABORATORY CONTROL SAMPLE & LCSD: 1387266

Parameter	Units	Spike Conc.	LCS Result	1387267		% Rec Limits	RPD	Max RPD	Qualifiers
				LCSD Result	% Rec				
2,4,6-Tribromophenol (S)	%				78	96		42-140	
2-Fluorobiphenyl (S)	%				84	86		41-130	
2-Fluorophenol (S)	%				51	57		27-130	
Nitrobenzene-d5 (S)	%				90	89		43-130	
Phenol-d6 (S)	%				34	35		15-130	
Terphenyl-d14 (S)	%				87	90		49-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 234176

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NAT'L PRESTO IND. (NPI)

Pace Project No.: 40137573

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40137573003	MW-10A	EPA 6010	234063		
40137573004	MW-10B	EPA 6010	234063		
40137573008	MW-68B	EPA 6010	234063		
40137573009	MW-70B	EPA 6010	234063		
40137573010	MW-75	EPA 6010	234063		
40137573007	MW-38B	EPA 3510	234098	EPA 8270	234176
40137573011	MW-76A	EPA 3510	234098	EPA 8270	234176
40137573013	MW-77B	EPA 3510	234098	EPA 8270	234176
40137573015	RW-16	EPA 3510	234098	EPA 8270	234176
40137573016	RW-3C	EPA 3510	234098	EPA 8270	234176
40137573001	EW-5	EPA 8260	233966		
40137573002	MH-18	EPA 8260	233966		
40137573005	MW-23A	EPA 8260	233966		
40137573006	MW-23B	EPA 8260	233966		
40137573011	MW-76A	EPA 8260	233966		
40137573012	MW-77A	EPA 8260	233966		
40137573013	MW-77B	EPA 8260	233966		
40137573014	MW-77C	EPA 8260	233966		
40137573017	MW-4A	EPA 8260	233966		
40137573018	MW-4B	EPA 8260	233966		
40137573019	TRIP BLANK C	EPA 8260	233966		
40137573020	TRIP BLANK D	EPA 8260	233966		
40137573021	MW-4B DUP	EPA 8260	233966		
40137573022	FIELD BLANK 2	EPA 8260	233966		
40137573023	FIELD BLANK 1	EPA 8260	234140		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Granville Flaming
 Branch/Location: Madison, WI
 Project Contact: Dave O'Leary
 Phone: 608.836.5505
 Project Number: 34283.000
 Project Name: Nat'l Pesticide Ind (NPI)
 Project State: WI
 Sampled By (Print): Chukba Pevne
 Sampled By (Sign): Chukba Pevne
 PO #: Regulatory
 Program: Regulatory

Data Package Options
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Bioa
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX
001	EUD-5	8:30	8:15	GW
002	MH-18	~	8:20	
003	MW-10A	8:29	14:05	
004	MW-10B	~	13:58	
005	MW-23A	8:36	16:06	
006	MW-23B	~	16:05	
007	MW-38B	~	15:30	
008	MW-68B	8:29	16:05	
009	MW-70B	~	14:25	
010	MW-75	~	15:20	
011	MW-76A	8:30	7:40	
012	MW-76A MS	~	7:40	
013	MW-76A MSD	~	7:40	

Filtered? (YES/NO)
 Preservation (CODE)
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J=Other

CHAIN OF CUSTODY



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Y/N	Pick Letter	Analyses Requested
N	B	VOCs
Y	D	NPI Short List
N	A	Cadmium
N	A	1,4-Dioxine

Relinquished By: Durham Date/Time: 9-17-16 0730
 Relinquished By: Durham Date/Time: 8-31-16 12:00
 Relinquished By: Durham Date/Time: 9-17-16 0730
 Relinquished By: Durham Date/Time: 8-31-16 12:00

Quote #: 40137573

Mail To Contact: Dave O'Leary

Mail To Company: Granville Flaming

Mail To Address: 8025 Grecks Road, Madison, WI 53711

Invoice To Contact: See

Invoice To Company: See

Invoice To Address: mail to

Invoice To Phone: 608.836.1505

CLIENT COMMENTS: 3-40 MWB

LAB COMMENTS (Lab Use Only): 2-11 Lag A

LAB COMMENTS (Lab Use Only): 1-250 mppd

LAB COMMENTS (Lab Use Only): 1-250 mppd

LAB COMMENTS (Lab Use Only): 2-11 Lag A

LAB COMMENTS (Lab Use Only): 2-11 Lag A

LAB COMMENTS (Lab Use Only): 2-11 Lag A

LAB COMMENTS (Lab Use Only): 2-11 Lag A

LAB COMMENTS (Lab Use Only): 2-11 Lag A

LAB COMMENTS (Lab Use Only): 2-11 Lag A

LAB COMMENTS (Lab Use Only): 2-11 Lag A

LAB COMMENTS (Lab Use Only): 2-11 Lag A

(Please Print Clearly)



CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Company Name: Annexett Fleming

Branch/Location: _____

Project Contact: _____

Phone: _____

Project Number: 34283.000

Project Name: NPI

Project State: _____

Sampled By (Print): See Pgs

Sampled By (Sign): _____

PO #: _____

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)

Data Package Options

(billable)

EPA Level III

EPA Level IV

On your sample (billable)

NOT needed on your sample

Matrix Codes

A = Air
 B = Bioa
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Regulatory Program:
014	MN77A	8/16	9:00	GW	
015	MN577B	"	9:05	"	
016	MN577C	"	8:50	"	
017	MN508B	8/30	10:50	"	
018	RM-16	"	13:55	"	
019	RM-3C	"	13:20	"	
019	MN4A	8/31	8:25	"	
020	MN4B	8/31	8:20	"	
021	Temp Blank C				
022	Temp Blank D				
023	MN4B dup	8/31	8:20	"	
024	Field Blank 2	9/31	7:50	"	
025	Field Blank 1	8/30	9:20	"	

Analyses Requested

V/I/N	Pick Label	Analysis
N	B	VOCs
N	A	NPI Short List
		1,4-Dioxane

Relinquished By:	Date/Time:	Received By:	Date/Time:
<u>Sharon Boyo</u>	8/16 12:00	<u>David Wolfe</u>	9/16 0730
<u>Sharon</u>	9/16	<u>David Wolfe</u>	9/16 0730

Quote #: _____

Mail To Contact: _____

Mail To Company: _____

Mail To Address: _____

Invoice To Contact: _____

Invoice To Company: _____

Invoice To Address: _____

Invoice To Phone: _____

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

3-40mJJB

2-11ag A

2-11ag A

3-40mJJB

2-40mJJB

3-40mJJB

2-40mJJB

3-40mJJB

2-11ag A

40137573

Receipt Temp = ROT °C

Sample Receipt pH OK Adjusted

Cooler Custody Seal Present Not Present

Intact / Not Intact

Sample Condition Upon Receipt

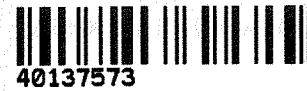
Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Client Name: Harriet Fleming Project #: _____

WO#: **40137573**

Courier: Fed Ex UPS Client Pace Other: Durban
Tracking #: 1208658



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
Custody Seal on Samples Present: yes no Seals intact: yes no
Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature: Uncorr: 40L / Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining contents:
Date: 9-1-16
Initials: SKW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. <u>9-1-16 SKW</u>
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>015-1-16agA collect time 10:50 and client crossed out ID and rewrote. 9-1-16 SKW</u>
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 < 2, NaOH+ZnAct ≥ 9, NaOH ≥ 12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed: <u>SKW</u> Lab Std #ID of preservative: _____ Date/Time: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: SKW for DM Date: 9-1-16



CASE NARRATIVE - VOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40137573

Client: GANNETT FLEMING INC

Project Name: NPI

Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 8260B
- B. **Analysis:** SW846 8260B

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** All method acceptance criteria were met.
 - 3. **Continuing verification:** All method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** All in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met.
- D. **Spikes:**
 - 1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met.
 - 2. **Matrix Spike / Matrix Spike Duplicate (MS/MSD):** Sample MW-76A was the designated MS/MSD sample parent for this SDG. All in-house accuracy and precision criteria were met. A batch MS/MSD pair was analyzed with your other batch in order to cover the QC requirement.
- E. **Internal Standards:** All in-house acceptance criteria were met.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, Inc.**, and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 09/14/16

Name: Jill A. Duranceau Position: Quality Assurance Auditor



CASE NARRATIVE - SEMIVOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40137573

Client: GANNETT FLEMING INC

Project Name: NPI

Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 3510
- B. **Analysis:** SW846 8270C

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** The method acceptance criteria were met.
 - 3. **Continuing verification:** The method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** The in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met. Surrogate recoveries for the lab control spikes were reported even though 1,4-Dioxane was not in the lab control spike compound list.
- D. **Spikes:**
 - 1. **Lab Control Spike / Lab Control Spike Duplicate (LCS/LCSD):** All in-house accuracy and precision criteria were met. Neither the LCS nor LCSD were spiked with 1,4-Dioxane so no LCS summary was created.
 - 2. **Matrix Spike / Duplicate (MS/MSD):** A matrix spike / matrix spike duplicate was not performed for this batch due to insufficient sample volume.
- E. **Internal Standards:** All in-house acceptance criteria were met except MW-38B.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG.
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed.

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, Inc.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 09/16/16

Name: Jill A. Duranceau Position: Quality Assurance Auditor



CASE NARRATIVE - METALS ANALYSIS

Lab Report Number (SDG): 40137573

Client: GANNETT FLEMING

Project Name: NPI

Project Number: 34283.000

1. RECEIPT

The samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 6010B
- B. **Analysis:** SW846 6010B

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **Initial verification:** All method acceptance criteria were met.
 - 2. **Continuing verification:** All method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Initial calibration (ICB):** All method acceptance criteria were met.
 - 2. **Continuing calibration (CCB):** All method acceptance criteria were met.
 - 3. **Method:** All in-house acceptance criteria were met for method blank 1386998.
 - 4. **Filter:** All in-house acceptance criteria were met for filter blank 1387002.
- C. **Spikes:**
 - 1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met.
 - 2. **Matrix Spike / Duplicate (MS/MSD):** Sample MW-10A was designated as the parent sample for the MS/MSD for this SDG. The in-house accuracy and precision criteria were met.
- D. **ICP Interference Check Samples:** All method acceptance criteria were met.
- E. **ICP Serial Dilution:** All method acceptance criteria were met. Serial dilution % Difference is not evaluated for parent results less than fifty times the reporting limit.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG.
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed.

I certify that this data package is in compliance, with the terms and conditions agreed to by **Pace Analytical Services, Inc.**, and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Leigh A Begalske Date: 09/15/16

Name: Leigh A. Begalske Position: Quality Assurance Auditor

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)

Instrument ID: 40MSVA

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1386117	1386117BLANK	92	98	96
1386118	1386118LCS	101	101	95
1386119	1386119MS	102	105	98
1386120	1386120MSD	100	102	96
40137573001	EW-5	94	104	95
40137573002	MH-18	92	98	95
40137573005	MW-23A	92	99	95
40137573006	MW-23B	92	115	94
40137573011	MW-76A	92	101	94
40137573012	MW-77A	92	122	94
40137573013	MW-77B	92	119	95
40137573014	MW-77C	92	101	96
40137573017	MW-4A	91	120	95
40137573018	MW-4B	92	119	95
40137573019	TRIP BLANK C	91	101	95
40137573020	TRIP BLANK D	92	99	94
40137573021	MW-4B DUP	91	121	94
40137573022	FIELD BLANK 2	91	99	95

(BFB) = 4-Bromofluorobenzene (S)

(DIBF) = Dibromofluoromethane (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

QC LIMITS

(70-130)

(70-130)

(70-130)

MSV - FORM II VOA-2
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)

Instrument ID: 40MSVA

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1387391	1387391BLANK	91	121	94
1387392	1387392LCS	101	106	94
40137573023	FIELD BLANK 1	93	122	93

(BFB) = 4-Bromofluorobenzene (S)

(DIBF) = Dibromofluoromethane (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

QC LIMITS

(70-130)

(70-130)

(70-130)

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay
 Date Extracted: 09/02/2016
 Instrument: 40MSVA
 Lab File ID: 09022016.B\09021640.D

Lab Sample ID: 1386118LCS
 Date Analyzed (1): 09/02/2016
 LCS Lot No: 145426
 SDG No.: 40137573

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	20.0	18.8	94	70-133
1,1-Dichloroethene	20.0	17.3	86	70-130
Tetrachloroethene	20.0	18.3	92	70-138
1,1,1-Trichloroethane	20.0	18.4	92	70-131
Trichloroethene	20.0	18.6	93	70-130

Spike Recovery: 0 out of 5 outside limits.

09/14/2016 1:48

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay
 Date Extracted: 09/07/2016
 Instrument: 40MSVA
 Lab File ID: 09072016.B\09071608.D

Lab Sample ID: 1387392LCS
 Date Analyzed (1): 09/07/2016
 LCS Lot No: 145426
 SDG No.: 40137573

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	50.0	54.9	110	70-133
1,1-Dichloroethene	50.0	53.0	106	70-130
Tetrachloroethene	50.0	52.3	105	70-138
1,1,1-Trichloroethane	50.0	55.9	112	70-131
Trichloroethene	50.0	54.4	109	70-130

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Matrix Spike - Sample No: 1386119MS

Date Extracted: 09/02/2016

Date Analyzed (1): 09/02/2016

Instrument: 40MSVA

Lab File ID: 09022016.B\09021641.D

Parent Sample ID: MW-76A

SDG No.: 40137573

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	<0.50	54.2	108	70-134
1,1-Dichloroethane	50.0	<0.24	52.6	105	70-134
1,1-Dichloroethene	50.0	<0.41	50.6	101	68-136
Tetrachloroethene	50.0	<0.50	52.3	104	70-148
Trichloroethene	50.0	<0.33	52.0	104	70-131

Spike Recovery: 0 out of 5 outside limits.

09/14/2016 1:48

MSV - FORM III VOA-2
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 40MSVA Matrix Spike Duplicate - Sample No: 1386120MSD
 Lab File ID (2): 09022016.B\09021642.D Date Analyzed (2): 09/02/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	57.0	113	5	0-20	70-134
1,1-Dichloroethane	50.0	54.6	109	4	0-20	70-134
1,1-Dichloroethene	50.0	53.0	106	5	0-20	68-136
Tetrachloroethene	50.0	55.5	111	6	0-20	70-148
Trichloroethene	50.0	56.4	112	8	0-20	70-131

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Matrix Spike - Sample No: 1387665MS

Date Extracted: 09/07/2016

Date Analyzed (1): 09/07/2016

Instrument: 40MSVA

Lab File ID: 09072016.B\09071609.D

Parent Sample ID: 40137596001

SDG No.: 40137573

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	<0.00050	59.5	119	70-134
1,1-Dichloroethane	50.0	<0.00024	58.2	116	70-134
1,1-Dichloroethene	50.0	<0.00041	57.1	114	68-136
Tetrachloroethene	50.0	<0.00050	55.0	110	70-148
Trichloroethene	50.0	<0.00033	56.5	113	70-131

Spike Recovery: 0 out of 5 outside limits.

09/14/2016 1:48

MSV - FORM III VOA-2
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 40MSVA Matrix Spike Duplicate - Sample No: 1387666MSD
Lab File ID (2): 09072016.B\09071610.D Date Analyzed (2): 09/07/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	69.2	138	15	0-20	70-134
1,1-Dichloroethane	50.0	68.6	137	16	0-20	70-134
1,1-Dichloroethene	50.0	66.4	133	15	0-20	68-136
Tetrachloroethene	50.0	54.7	109	0	0-20	70-148
Trichloroethene	50.0	56.2	112	1	0-20	70-131

RPD: 0 out of 5 outside limits.

Spike Recovery: 2 out of 5 outside limits.

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1386117BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
 Instrument ID: 40MSVA Matrix: Water Lab Sample ID: 1386117
 Lab File ID: 09022016.B\09021634.D Date Analyzed: 09/02/2016 Time: 16:43

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1386118LCS	1386118	09022016.B\09021640.D	09/02/2016 18:57
1386119MS	1386119	09022016.B\09021641.D	09/02/2016 19:20
1386120MSD	1386120	09022016.B\09021642.D	09/02/2016 19:42
EW-5	40137573001	09022016.B\09021643.D	09/02/2016 20:04
MH-18	40137573002	09022016.B\09021644.D	09/02/2016 20:27
MW-23A	40137573005	09022016.B\09021645.D	09/02/2016 20:49
MW-23B	40137573006	09022016.B\09021646.D	09/02/2016 21:11
MW-76A	40137573011	09022016.B\09021647.D	09/02/2016 21:34
MW-77A	40137573012	09022016.B\09021648.D	09/02/2016 21:56
MW-77B	40137573013	09022016.B\09021649.D	09/02/2016 22:19
MW-77C	40137573014	09022016.B\09021650.D	09/02/2016 22:41
MW-4A	40137573017	09022016.B\09021651.D	09/02/2016 23:03
MW-4B	40137573018	09022016.B\09021652.D	09/02/2016 23:26
TRIP BLANK C	40137573019	09022016.B\09021653.D	09/02/2016 23:48
TRIP BLANK D	40137573020	09022016.B\09021654.D	09/03/2016 00:10
MW-4B DUP	40137573021	09022016.B\09021655.D	09/03/2016 00:32
FIELD BLANK 2	40137573022	09022016.B\09021656.D	09/03/2016 00:55

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1387391BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
Instrument ID: 40MSVA Matrix: Water Lab Sample ID: 1387391
Lab File ID: 09072016.B\09071606.D Date Analyzed: 09/07/2016 Time: 07:42

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1387392LCS	1387392	09072016.B\09071608.D	09/07/2016 08:27
FIELD BLANK 1	40137573023	09072016.B\09071625.D	09/07/2016 14:50

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
 Lab File ID: 08232016.B\08231621.D BFB Injection Date: 08/23/2016
 Instrument ID: 40MSVA BFB Injection Time: 10:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	23.29
75	30.00 - 60.00% of mass 95	49.51
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.81
173	Less than 2.00% of mass 174	0.44 (0.47) ¹
174	50.00 - 100.00% of mass 95	93.05
175	5.00 - 9.00% of mass 174	6.91 (7.43) ¹
176	95.00 - 101.00% of mass 174	90.75 (97.53) ¹
177	5.00 - 9.00% of mass 176	5.90 (6.50) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8839991CAL1	8839991CAL1	08232016.B\08231623.D	08/23/2016	11:32
8839995CAL2	8839995CAL2	08232016.B\08231624.D	08/23/2016	11:55
8839999CAL3	8839999CAL3	08232016.B\08231625.D	08/23/2016	12:17
8839997CAL4	8839997CAL4	08232016.B\08231626.D	08/23/2016	12:39
8839994CAL5	8839994CAL5	08232016.B\08231633.D	08/23/2016	15:52
8839996CAL6	8839996CAL6	08232016.B\08231634.D	08/23/2016	16:15
8839990CAL7	8839990CAL7	08232016.B\08231635.D	08/23/2016	16:37
8840461ICV	8840461ICV	08232016.B\08231638.D	08/23/2016	17:44

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
 Lab File ID: 09022016.B\09021631.D BFB Injection Date: 09/02/2016
 Instrument ID: 40MSVA BFB Injection Time: 15:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	23.23
75	30.00 - 60.00% of mass 95	49.24
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.44 (0.45) ¹
174	50.00 - 100.00% of mass 95	97.26
175	5.00 - 9.00% of mass 174	7.08 (7.28) ¹
176	95.00 - 101.00% of mass 174	95.47 (98.16) ¹
177	5.00 - 9.00% of mass 176	6.34 (6.64) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8877240CCV	8877240CCV	09022016.B\09021632.D	09/02/2016	15:58
1386117BLANK	1386117BLANK	09022016.B\09021634.D	09/02/2016	16:43
1386118LCS	1386118LCS	09022016.B\09021640.D	09/02/2016	18:57
1386119MS	1386119MS	09022016.B\09021641.D	09/02/2016	19:20
1386120MSD	1386120MSD	09022016.B\09021642.D	09/02/2016	19:42
EW-5	40137573001	09022016.B\09021643.D	09/02/2016	20:04
MH-18	40137573002	09022016.B\09021644.D	09/02/2016	20:27
MW-23A	40137573005	09022016.B\09021645.D	09/02/2016	20:49
MW-23B	40137573006	09022016.B\09021646.D	09/02/2016	21:11
MW-76A	40137573011	09022016.B\09021647.D	09/02/2016	21:34
MW-77A	40137573012	09022016.B\09021648.D	09/02/2016	21:56
MW-77B	40137573013	09022016.B\09021649.D	09/02/2016	22:19
MW-77C	40137573014	09022016.B\09021650.D	09/02/2016	22:41
MW-4A	40137573017	09022016.B\09021651.D	09/02/2016	23:03
MW-4B	40137573018	09022016.B\09021652.D	09/02/2016	23:26
TRIP BLANK C	40137573019	09022016.B\09021653.D	09/02/2016	23:48
TRIP BLANK D	40137573020	09022016.B\09021654.D	09/03/2016	00:10
MW-4B DUP	40137573021	09022016.B\09021655.D	09/03/2016	00:32
FIELD BLANK 2	40137573022	09022016.B\09021656.D	09/03/2016	00:55

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
 Lab File ID: 09072016.B\09071601.D BFB Injection Date: 09/07/2016
 Instrument ID: 40MSVA BFB Injection Time: 06:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	23.23
75	30.00 - 60.00% of mass 95	49.39
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.46 (0.46) ¹
174	50.00 - 100.00% of mass 95	98.58
175	5.00 - 9.00% of mass 174	7.15 (7.26) ¹
176	95.00 - 101.00% of mass 174	96.66 (98.05) ¹
177	5.00 - 9.00% of mass 176	6.42 (6.64) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8884207CCV	8884207CCV	09072016.B\09071603.D	09/07/2016	06:37
1387391BLANK	1387391BLANK	09072016.B\09071606.D	09/07/2016	07:42
1387392LCS	1387392LCS	09072016.B\09071608.D	09/07/2016	08:27
FIELD BLANK 1	40137573023	09072016.B\09071625.D	09/07/2016	14:50

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSVA GC Column: Col 1 SDG No.: 40137573
 Calibration Date(s): 08/23/2016 08/23/2016 Calibration Time(s): 11:32 16:37

LAB FILE ID

CAL1 = 08232016.B\08231623.D CAL2 = 08232016.B\08231624.D CAL3 = 08232016.B\08231625.D
 CAL4 = 08232016.B\08231626.D CAL5 = 08232016.B\08231633.D CAL6 = 08232016.B\08231634.D
 CAL7 = 08232016.B\08231635.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,1-Dichloroethane	Averaged	0.86265	0.81637	0.86737	0.85395	0.84587	0.84776
1,1-Dichloroethene	Averaged	0.36732	0.36671	0.38457	0.39098	0.39639	0.39057
Tetrachloroethene	Averaged	0.39358	0.38354	0.40897	0.41049	0.40978	0.39939
1,1,1-Trichloroethane	Averaged	0.69444	0.66797	0.72446	0.73167	0.72325	0.73791
Trichloroethene	Averaged	0.40840	0.37340	0.40382	0.41041	0.41157	0.40596
4-Bromofluorobenzene (S)	Averaged	0.47627	0.48488	0.50193	0.49385	0.50007	0.49198
Dibromofluoromethane (S)	Averaged	0.45664	0.44123	0.42694	0.42558	0.41968	0.43025
Toluene-d8 (S)	Averaged	1.26180	1.26170	1.29326	1.26639	1.27355	1.25383

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:58

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSVA GC Column: Col 1 SDG No.: 40137573
 Calibration Date(s): 08/23/2016 08/23/2016 Calibration Time(s): 11:32 16:37

LAB FILE ID

CAL1 = 08232016.B\08231623.D CAL2 = 08232016.B\08231624.D CAL3 = 08232016.B\08231625.D
 CAL4 = 08232016.B\08231626.D CAL5 = 08232016.B\08231633.D CAL6 = 08232016.B\08231634.D
 CAL7 = 08232016.B\08231635.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,1-Dichloroethane	Averaged	0.78163	3.61168			0.83937	
1,1-Dichloroethene	Averaged	0.35697	4.00590			0.37907	
Tetrachloroethene	Averaged	0.37001	3.87161			0.39654	
1,1,1-Trichloroethane	Averaged	0.67796	3.92949			0.70824	
Trichloroethene	Averaged	0.38105	3.86072			0.39923	
4-Bromofluorobenzene (S)	Averaged	0.48249	1.92374			0.49021	
Dibromofluoromethane (S)	Averaged	0.41260	3.38392			0.43042	
Toluene-d8 (S)	Averaged	1.25198	1.10823			1.26607	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:58

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

8840461ICV

Lab Name: Pace Analytical - Green Bay Calibration Date: 08/23/2016 Time: 17:44
 Instrument ID: 40MSVA GC Column: Col 1 Init. Calib. Date(s): 08/23/2016 08/23/2016
 Lab File ID: 08232016.B\08231638.D Init. Calib. Time(s): 11:32 16:37
 SDG No.: 40137573

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	0.83937	0.81247	0.1000	-3.2048	50.0000
1,1-Dichloroethene	Averaged	0.37907	0.36050	0.0100	-4.8989	20.0000
Tetrachloroethene	Averaged	0.39654	0.37041	0.0100	-6.5883	50.0000
1,1,1-Trichloroethane	Averaged	0.70824	0.66793	0.0100	-5.6917	50.0000
Trichloroethene	Averaged	0.39923	0.38630	0.0100	-3.2378	50.0000
4-Bromofluorobenzene (S)	Averaged	0.49021	0.50397	0.2000	2.8066	50.0000
Dibromofluoromethane (S)	Averaged	0.43042	0.42386	0.2000	-1.5245	50.0000
Toluene-d8 (S)	Averaged	1.26607	1.27627	0.2000	0.8053	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:58

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

8877240CCV

Lab Name: Pace Analytical - Green Bay Calibration Date: 09/02/2016 Time: 15:58
 Instrument ID: 40MSVA GC Column: Col 1 Init. Calib. Date(s): 08/23/2016 08/23/2016
 Lab File ID: 09022016.B\09021632.D Init. Calib. Time(s): 11:32 16:37
 SDG No.: 40137573

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	0.83937	0.82036	0.1000	-2.2650	50.0000
1,1-Dichloroethene	Averaged	0.37907	0.36530	0.0100	-3.6328	20.0000
Tetrachloroethene	Averaged	0.39654	0.37945	0.0100	-4.3101	50.0000
1,1,1-Trichloroethane	Averaged	0.70824	0.69063	0.0100	-2.4857	50.0000
Trichloroethene	Averaged	0.39923	0.38079	0.0100	-4.6182	50.0000
4-Bromofluorobenzene (S)	Averaged	0.49021	0.50952	0.2000	3.9396	50.0000
Dibromofluoromethane (S)	Averaged	0.43042	0.46475	0.2000	7.9760	50.0000
Toluene-d8 (S)	Averaged	1.26607	1.26496	0.2000	-0.0882	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:58

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

8884207CCV

Lab Name: Pace Analytical - Green Bay Calibration Date: 09/07/2016 Time: 06:37
 Instrument ID: 40MSVA GC Column: Col 1 Init. Calib. Date(s): 08/23/2016 08/23/2016
 Lab File ID: 09072016.B\09071603.D Init. Calib. Time(s): 11:32 16:37
 SDG No.: 40137573

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	0.83937	0.88085	0.1000	4.9418	50.0000
1,1-Dichloroethene	Averaged	0.37907	0.40688	0.0100	7.3361	20.0000
Tetrachloroethene	Averaged	0.39654	0.40836	0.0100	2.9822	50.0000
1,1,1-Trichloroethane	Averaged	0.70824	0.76328	0.0100	7.7724	50.0000
Trichloroethene	Averaged	0.39923	0.40852	0.0100	2.3262	50.0000
4-Bromofluorobenzene (S)	Averaged	0.49021	0.50301	0.2000	2.6120	50.0000
Dibromofluoromethane (S)	Averaged	0.43042	0.46345	0.2000	7.6744	50.0000
Toluene-d8 (S)	Averaged	1.26607	1.23000	0.2000	-2.8489	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:59

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)

Sample ID : 8877240CCV Date Analyzed: 09/02/2016

Instrument ID: 40MSVA GC Column: Col 1 Time Analyzed: 15:58

Lab File ID: 09022016.B\09021632.D

		AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT	AREA PFB	RT
12 HOUR STD		306274	9.268	180598	13.017	344734	4.97	243283	4.056
UPPER LIMIT		612548	9.768	361196	13.517	689468	5.47	486566	4.556
LOWER LIMIT		153137	8.768	90299	12.517	172367	4.47	121641.5	3.556
LAB SAMPLE ID	SAMPLE NO.								
1386117	1386117BLANK	283934	9.268	156912	13.017	314570	4.964	232668	4.05
1386118	1386118LCS	303774	9.268	173138	13.017	327327	4.97	239266	4.056
1386119	1386119MS	305370	9.274	180955	13.017	339157	4.97	232892	4.056
1386120	1386120MSD	294988	9.268	170405	13.017	321365	4.964	229838	4.05
40137573001	EW-5	288575	9.268	158416	13.017	319027	4.97	225378	4.056
40137573002	MH-18	295347	9.268	163350	13.017	322983	4.97	239556	4.056
40137573005	MW-23A	281141	9.268	145703	13.017	311575	4.97	227898	4.05
40137573006	MW-23B	273418	9.268	150105	13.017	297863	4.97	190498	4.056
40137573011	MW-76A	279410	9.268	151121	13.017	307271	4.97	226572	4.05
40137573012	MW-77A	275826	9.268	152524	13.017	302751	4.97	184259	4.056
40137573013	MW-77B	271206	9.268	149249	13.017	298665	4.97	184914	4.05
40137573014	MW-77C	285937	9.268	158570	13.017	316963	4.964	235720	4.056
40137573017	MW-4A	279468	9.268	154411	13.018	305979	4.97	190289	4.056
40137573018	MW-4B	271408	9.268	150724	13.017	299559	4.97	186755	4.056
40137573019	TRIP BLANK C	290342	9.268	148873	13.017	318740	4.964	238717	4.05
40137573020	TRIP BLANK D	291348	9.268	159328	13.017	319317	4.964	236234	4.056
40137573021	MW-4B DUP	280162	9.268	153744	13.017	304685	4.97	187891	4.05
40137573022	FIELD BLANK 2	278382	9.268	144774	13.017	304230	4.97	228099	4.056

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

DFB = 1,4-Difluorobenzene (IS)

PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)

Sample ID : 8884207CCV Date Analyzed: 09/07/2016

Instrument ID: 40MSVA GC Column: Col 1 Time Analyzed: 06:37

Lab File ID: 09072016.B\09071603.D

		AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT	AREA PFB	RT
12 HOUR STD		309843	9.28	184835	13.023	337137	4.976	238555	4.062
UPPER LIMIT		619686	9.78	369670	13.523	674274	5.476	477110	4.562
LOWER LIMIT		154921.5	8.78	92417.5	12.523	168568.5	4.476	119277.5	3.562
LAB SAMPLE ID	SAMPLE NO.								
1387391	1387391BLANK	282748	9.28	151303	13.024	298081	4.976	220031	4.062
1387392	1387392LCS	286249	9.28	166802	13.023	300680	4.976	215452	4.062
40137573023	FIELD BLANK 1	256651	9.286	144628	13.029	274313	4.982	165971	4.062

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

DFB = 1,4-Difluorobenzene (IS)

PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-5

Lab Name: Pace Analytical - Green Bay
Date Received: 09/01/2016 07:30
Date Extracted: 09/02/2016 20:04
Date Analyzed: 09/02/2016 20:04
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 40137573001
Lab File ID: 09022016.B\09021643.D
Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.43	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MH-18

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/02/2016 20:27 Lab Sample ID: 40137573002
Date Analyzed: 09/02/2016 20:27 Lab File ID: 09022016.B\09021644.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	0.69	J
79-01-6	Trichloroethene	0.51	J

09/14/2016 1:47

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23A

Lab Name: Pace Analytical - Green Bay
Date Received: 09/01/2016 07:30
Date Extracted: 09/02/2016 20:49
Date Analyzed: 09/02/2016 20:49
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 40137573005
Lab File ID: 09022016.B\09021645.D
Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	1.1	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23B

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/02/2016 21:11 Lab Sample ID: 40137573006
Date Analyzed: 09/02/2016 21:11 Lab File ID: 09022016.B\09021646.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	1.9	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-76A

Lab Name: Pace Analytical - Green Bay
Date Received: 09/01/2016 07:30
Date Extracted: 09/02/2016 21:34
Date Analyzed: 09/02/2016 21:34
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 40137573011
Lab File ID: 09022016.B\09021647.D
Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-77A

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/02/2016 21:56 Lab Sample ID: 40137573012
Date Analyzed: 09/02/2016 21:56 Lab File ID: 09022016.B\09021648.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.91	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-77B

Lab Name: Pace Analytical - Green Bay
Date Received: 09/01/2016 07:30
Date Extracted: 09/02/2016 22:19
Date Analyzed: 09/02/2016 22:19
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 40137573013
Lab File ID: 09022016.B\09021649.D
Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	1.8	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-77C

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/02/2016 22:41 Lab Sample ID: 40137573014
Date Analyzed: 09/02/2016 22:41 Lab File ID: 09022016.B\09021650.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.55	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4A

Lab Name: Pace Analytical - Green Bay
Date Received: 09/01/2016 07:30
Date Extracted: 09/02/2016 23:03
Date Analyzed: 09/02/2016 23:03
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 40137573017
Lab File ID: 09022016.B\09021651.D
Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4B

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/02/2016 23:26 Lab Sample ID: 40137573018
Date Analyzed: 09/02/2016 23:26 Lab File ID: 09022016.B\09021652.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.38	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK C

Lab Name: Pace Analytical - Green Bay
Date Received: 09/01/2016 07:30
Date Extracted: 09/02/2016 23:48
Date Analyzed: 09/02/2016 23:48
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 40137573019
Lab File ID: 09022016.B\09021653.D
Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK D

Lab Name: Pace Analytical - Green Bay
Date Received: 09/01/2016 07:30
Date Extracted: 09/03/2016 00:10
Date Analyzed: 09/03/2016 00:10
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 40137573020
Lab File ID: 09022016.B\09021654.D
Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4B DUP

Lab Name: Pace Analytical - Green Bay
Date Received: 09/01/2016 07:30
Date Extracted: 09/03/2016 00:32
Date Analyzed: 09/03/2016 00:32
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 40137573021
Lab File ID: 09022016.B\09021655.D
Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.40	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FIELD BLANK 2

Lab Name: Pace Analytical - Green Bay
Date Received: 09/01/2016 07:30
Date Extracted: 09/03/2016 00:55
Date Analyzed: 09/03/2016 00:55
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 40137573022
Lab File ID: 09022016.B\09021656.D
Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FIELD BLANK 1

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/07/2016 14:50 Lab Sample ID: 40137573023
Date Analyzed: 09/07/2016 14:50 Lab File ID: 09072016.B\09071625.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

09/14/2016 1:47

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: _____
Date Extracted: 09/02/2016 16:43
Date Analyzed: 09/02/2016 16:43
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 1386117
Lab File ID: 09022016.B\09021634.D
Instrument: 40MSVA Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: _____
Date Extracted: 09/07/2016 07:42
Date Analyzed: 09/07/2016 07:42
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 1387391
Lab File ID: 09072016.B\09071606.D
Instrument: 40MSVA Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)

Instrument ID: 40MSS1

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD6	TD14
40137573013	MW-77B	79	74	49	89	32	96

QC LIMITS

(24B6) = 2,4,6-Tribromophenol (S)

(42-140)

(2FBP) = 2-Fluorobiphenyl (S)

(41-130)

(2FPH) = 2-Fluorophenol (S)

(27-130)

(NIT5) = Nitrobenzene-d5 (S)

(43-130)

(PHD6) = Phenol-d6 (S)

(15-130)

(TD14) = Terphenyl-d14 (S)

(49-130)

* Values outside of QC Limits

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)

Instrument ID: 40MSS8

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD6	TD14
1387265	1387265BLANK	79	73	53	79	32	94
1387266	1387266LCS	78	84	51	90	34	87
1387267	1387267LCSD	96	86	57	89	35	90
40137573007	MW-38B	88	84	52	82	32	91
40137573011	MW-76A	95	89	54	83	32	98
40137573015	RW-16	85	93	52	86	31	94
40137573016	RW-3C	78	89	49	85	30	90

QC LIMITS

(24B6) = 2,4,6-Tribromophenol (S)

(42-140)

(2FBP) = 2-Fluorobiphenyl (S)

(41-130)

(2FPH) = 2-Fluorophenol (S)

(27-130)

(NIT5) = Nitrobenzene-d5 (S)

(43-130)

(PHD6) = Phenol-d6 (S)

(15-130)

(TD14) = Terphenyl-d14 (S)

(49-130)

* Values outside of QC Limits

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1387265BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)

Instrument ID: 40MSS8 Matrix: Water Lab Sample ID: 1387265

Lab File ID: 090716.B\09071606.D Date Analyzed: 09/07/2016 Time: 08:39

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1387266LCS	1387266	090716.B\09071607.D	09/07/2016 09:00
1387267LCSD	1387267	090716.B\09071608.D	09/07/2016 09:21
MW-38B	40137573007	090716.B\09071609.D	09/07/2016 09:43
MW-76A	40137573011	090716.B\09071610.D	09/07/2016 10:04
RW-16	40137573015	090716.B\09071614.D	09/07/2016 11:30
RW-3C	40137573016	090716.B\09071615.D	09/07/2016 11:51
MW-77B	40137573013	090716.B\09071610.D	09/07/2016 12:02

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
 Lab File ID: 031516.B\03151601.D DFTPP Injection Date: 03/15/2016
 Instrument ID: 40MSS1 DFTPP Injection Time: 12:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	47.32
68	Less than 2.00% of mass 69	0.00 (0.00) ¹
69	Mass 69 relative abundance	50.06
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	10.00 - 80.00% of mass 198	34.30
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 60.00% of mass 198	19.50
365	Greater than 1.00% of mass 198	2.30
441	Present, but less than mass 443	9.85
442	Greater than 50.00% of mass 198	66.49
443	15.00 - 24.00% of mass 442	12.29 (18.49) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8327677CAL7	8327677CAL7	031516.B\03151602.D	03/15/2016	13:00
8327693CAL6	8327693CAL6	031516.B\03151603.D	03/15/2016	13:32
8327676CAL5	8327676CAL5	031516.B\03151604.D	03/15/2016	14:03
8327690CAL4	8327690CAL4	031516.B\03151605.D	03/15/2016	14:37
8327691CAL3	8327691CAL3	031516.B\03151606.D	03/15/2016	15:10
8327686CAL2	8327686CAL2	031516.B\03151607.D	03/15/2016	15:42
8327673CAL1	8327673CAL1	031516.B\03151608.D	03/15/2016	16:15
8327679ICV	8327679ICV	031516.B\03151609.D	03/15/2016	16:48

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
 Lab File ID: 090716.B\09071601.D DFTPP Injection Date: 09/07/2016
 Instrument ID: 40MSS1 DFTPP Injection Time: 07:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	51.99
68	Less than 2.00% of mass 69	0.00 (0.00) ¹
69	Mass 69 relative abundance	53.57
70	Less than 2.00% of mass 69	0.31 (0.58) ¹
127	10.00 - 80.00% of mass 198	37.36
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	7.22
275	10.00 - 60.00% of mass 198	18.76
365	Greater than 1.00% of mass 198	1.93
441	Present, but less than mass 443	8.66
442	Greater than 50.00% of mass 198	53.13
443	15.00 - 24.00% of mass 442	10.50 (19.76) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8884797CCV	8884797CCV	090716.B\09071603.D	09/07/2016	08:14
MW-77B	40137573013	090716.B\09071610.D	09/07/2016	12:02

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
 Lab File ID: 061316.B\06131603.D DFTPP Injection Date: 06/13/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 08:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	37.44
68	Less than 2.00% of mass 69	0.60 (1.62) ¹
69	Mass 69 relative abundance	37.06
70	Less than 2.00% of mass 69	0.15 (0.42) ¹
127	10.00 - 80.00% of mass 198	47.81
197	Less than 2.00% of mass 198	0.38
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 60.00% of mass 198	25.17
365	Greater than 1.00% of mass 198	3.42
441	Present, but less than mass 443	12.45
442	Greater than 50.00% of mass 198	85.88
443	15.00 - 24.00% of mass 442	15.94 (18.56) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8617323CAL7	8617323CAL7	061316.B\06131604.D	06/13/2016	08:26
8617319CAL6	8617319CAL6	061316.B\06131605.D	06/13/2016	08:47
8617322CAL5	8617322CAL5	061316.B\06131606.D	06/13/2016	09:08
8617328CAL4	8617328CAL4	061316.B\06131607.D	06/13/2016	09:29
8617327CAL3	8617327CAL3	061316.B\06131608.D	06/13/2016	09:50
8617340CAL2	8617340CAL2	061316.B\06131609.D	06/13/2016	10:11
8617324CAL1	8617324CAL1	061316.B\06131610.D	06/13/2016	10:32
8617321ICV	8617321ICV	061316.B\06131611.D	06/13/2016	10:53

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
 Lab File ID: 090716.B\09071601.D DFTPP Injection Date: 09/07/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 06:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	38.32
68	Less than 2.00% of mass 69	0.52 (1.34) ¹
69	Mass 69 relative abundance	38.54
70	Less than 2.00% of mass 69	0.33 (0.86) ¹
127	10.00 - 80.00% of mass 198	47.35
197	Less than 2.00% of mass 198	0.70
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.83
275	10.00 - 60.00% of mass 198	23.91
365	Greater than 1.00% of mass 198	3.08
441	Present, but less than mass 443	12.07
442	Greater than 50.00% of mass 198	82.22
443	15.00 - 24.00% of mass 442	16.00 (19.46) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8884724CCV	8884724CCV	090716.B\09071602.D	09/07/2016	07:06
1387265BLANK	1387265BLANK	090716.B\09071606.D	09/07/2016	08:39
1387266LCS	1387266LCS	090716.B\09071607.D	09/07/2016	09:00
1387267LCSD	1387267LCSD	090716.B\09071608.D	09/07/2016	09:21
MW-38B	40137573007	090716.B\09071609.D	09/07/2016	09:43
MW-76A	40137573011	090716.B\09071610.D	09/07/2016	10:04
RW-16	40137573015	090716.B\09071614.D	09/07/2016	11:30
RW-3C	40137573016	090716.B\09071615.D	09/07/2016	11:51

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS1 GC Column: Col 1 SDG No.: 40137573
 Calibration Date(s): 03/15/2016 03/15/2016 Calibration Time(s): 13:00 16:15

LAB FILE ID

CAL1 = 031516.B\03151608.D CAL2 = 031516.B\03151607.D CAL3 = 031516.B\03151606.D
 CAL4 = 031516.B\03151605.D CAL5 = 031516.B\03151604.D CAL6 = 031516.B\03151603.D
 CAL7 = 031516.B\03151602.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,4-Dioxane (p-Dioxane)	Averaged	0.57747	0.62586	0.59559	0.58872	0.60107	0.63904
2-Fluorobiphenyl (S)	Averaged	1.74658	1.69292	1.74026	1.62859	1.56774	1.46732
2-Fluorophenol (S)	Averaged	1.26132	1.19743	1.32289	1.32312	1.23986	1.17003
Nitrobenzene-d5 (S)	Averaged	0.36956	0.37260	0.38767	0.37559	0.35510	0.35445
Phenol-d6 (S)	Averaged	1.53316	1.47323	1.65325	1.56853	1.46863	1.44175
Terphenyl-d14 (S)	Averaged	1.12591	1.16067	1.03732	0.97110	1.00632	0.89356
2,4,6-Tribromophenol (S)	Averaged	0.19922	0.18699	0.22053	0.19571	0.18416	0.20599

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:48

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS1 GC Column: Col 1 SDG No.: 40137573
 Calibration Date(s): 03/15/2016 03/15/2016 Calibration Time(s): 13:00 16:15

LAB FILE ID

CAL1 = 031516.B\03151608.D CAL2 = 031516.B\03151607.D CAL3 = 031516.B\03151606.D
 CAL4 = 031516.B\03151605.D CAL5 = 031516.B\03151604.D CAL6 = 031516.B\03151603.D
 CAL7 = 031516.B\03151602.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,4-Dioxane (p-Dioxane)	Averaged	0.59066	3.64021			0.60263	
2-Fluorobiphenyl (S)	Averaged	1.43391	7.85095			1.61105	
2-Fluorophenol (S)	Averaged	1.26529	4.62088			1.25427	
Nitrobenzene-d5 (S)	Averaged	0.34987	3.74348			0.36641	
Phenol-d6 (S)	Averaged	1.44289	5.17305			1.51163	
Terphenyl-d14 (S)	Averaged	0.95106	9.34597			1.02085	
2,4,6-Tribromophenol (S)	Averaged	0.20949	6.40045			0.20030	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40137573
 Calibration Date(s): 06/13/2016 06/13/2016 Calibration Time(s): 08:26 10:32

LAB FILE ID

CAL1 = 061316.B\06131610.D CAL2 = 061316.B\06131609.D CAL3 = 061316.B\06131608.D
 CAL4 = 061316.B\06131607.D CAL5 = 061316.B\06131606.D CAL6 = 061316.B\06131605.D
 CAL7 = 061316.B\06131604.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,4-Dioxane (p-Dioxane)	Averaged	0.69668	0.62910	0.61298	0.58513	0.61967	0.58844
2-Fluorobiphenyl (S)	Averaged	1.48339	1.39389	1.36256	1.34145	1.37696	1.29879
2-Fluorophenol (S)	Averaged	1.17776	1.21183	1.23174	1.21361	1.27760	1.28326
Nitrobenzene-d5 (S)	Averaged	0.33333	0.33867	0.34945	0.35416	0.36368	0.36489
Phenol-d6 (S)	Averaged	1.56241	1.56975	1.60057	1.63603	1.60841	1.67638
Terphenyl-d14 (S)	Averaged	0.79797	0.83329	0.85144	0.84225	0.89357	0.87375
2,4,6-Tribromophenol (S)	Averaged	0.16780	0.17338	0.19265	0.19443	0.19231	0.20757

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:48

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40137573
 Calibration Date(s): 06/13/2016 06/13/2016 Calibration Time(s): 08:26 10:32

LAB FILE ID

CAL1 = 061316.B\06131610.D CAL2 = 061316.B\06131609.D CAL3 = 061316.B\06131608.D
 CAL4 = 061316.B\06131607.D CAL5 = 061316.B\06131606.D CAL6 = 061316.B\06131605.D
 CAL7 = 061316.B\06131604.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,4-Dioxane (p-Dioxane)	Averaged	0.60546	6.05087			0.61964	
2-Fluorobiphenyl (S)	Averaged	1.31777	4.43829			1.36783	
2-Fluorophenol (S)	Averaged	1.27999	3.34512			1.23940	
Nitrobenzene-d5 (S)	Averaged	0.36829	3.82499			0.35321	
Phenol-d6 (S)	Averaged	1.66044	2.68840			1.61629	
Terphenyl-d14 (S)	Averaged	0.86579	3.63734			0.85115	
2,4,6-Tribromophenol (S)	Averaged	0.20275	7.65873			0.19013	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:48

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

8327679ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 03/15/2016 Time: 16:48

Instrument ID: 40MSS1 GC Column: Col 1

Init. Calib. Date(s): 03/15/2016 03/15/2016

Lab File ID: 031516.B\03151609.D

Init. Calib. Time(s): 13:00 23:54

SDG No.: 40137573

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.60263	0.56849	0.0500	-5.6644	50.0000
2-Fluorobiphenyl (S)	Averaged	1.61105	1.48702	0.0500	-7.6983	50.0000
2-Fluorophenol (S)	Averaged	1.25427	1.24243	0.0500	-0.9441	50.0000
Nitrobenzene-d5 (S)	Averaged	0.36641	0.35049	0.0500	-4.3443	50.0000
Phenol-d6 (S)	Averaged	1.51163	1.50009	0.0500	-0.7635	50.0000
Terphenyl-d14 (S)	Averaged	1.02085	0.88326	0.0500	-13.4776	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.20030	0.21548	0.0500	7.5809	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:48

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

8884797CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 09/07/2016 Time: 08:14

Instrument ID: 40MSS1 GC Column: Col 1

Init. Calib. Date(s): 03/15/2016 03/15/2016

Lab File ID: 090716.B\09071603.D

Init. Calib. Time(s): 13:00 23:54

SDG No.: 40137573

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.60263	0.77450	0.0500	28.5205	50.0000
2-Fluorobiphenyl (S)	Averaged	1.61105	1.43637	0.0500	-10.8421	50.0000
2-Fluorophenol (S)	Averaged	1.25427	1.42599	0.0500	13.6903	50.0000
Nitrobenzene-d5 (S)	Averaged	0.36641	0.35866	0.0500	-2.1149	50.0000
Phenol-d6 (S)	Averaged	1.51163	1.67467	0.0500	10.7857	50.0000
Terphenyl-d14 (S)	Averaged	1.02085	0.94941	0.0500	-6.9978	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.20030	0.17306	0.0500	-13.5970	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:48

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

8617321ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 06/13/2016 Time: 10:53

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 06/13/2016 06/13/2016

Lab File ID: 061316.B\06131611.D

Init. Calib. Time(s): 08:26 15:55

SDG No.: 40137573

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.61964	0.61195	0.0500	-1.2408	50.0000
2-Fluorobiphenyl (S)	Averaged	1.36783	1.46233	0.0500	6.9091	50.0000
2-Fluorophenol (S)	Averaged	1.23940	1.19878	0.0500	-3.2773	50.0000
Nitrobenzene-d5 (S)	Averaged	0.35321	0.37236	0.0500	5.4226	50.0000
Phenol-d6 (S)	Averaged	1.61629	1.63796	0.0500	1.3412	50.0000
Terphenyl-d14 (S)	Averaged	0.85115	0.84308	0.0500	-0.9490	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.19013	0.20622	0.0500	8.4614	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:48

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

8884724CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 09/07/2016 Time: 07:06

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 06/13/2016 06/13/2016

Lab File ID: 090716.B\09071602.D

Init. Calib. Time(s): 08:26 15:55

SDG No.: 40137573

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.61964	0.62588	0.0500	1.0071	50.0000
2-Fluorobiphenyl (S)	Averaged	1.36783	1.41821	0.0500	3.6836	50.0000
2-Fluorophenol (S)	Averaged	1.23940	1.37840	0.0500	11.2154	50.0000
Nitrobenzene-d5 (S)	Averaged	0.35321	0.37295	0.0500	5.5889	50.0000
Phenol-d6 (S)	Averaged	1.61629	1.69057	0.0500	4.5962	50.0000
Terphenyl-d14 (S)	Averaged	0.85115	0.92309	0.0500	8.4517	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.19013	0.19375	0.0500	1.9036	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/14/2016 1:48

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
 Sample ID : 8884797CCV Date Analyzed: 09/07/2016
 Instrument ID: 40MSS1 GC Column: Col 1 Time Analyzed: 08:14
 Lab File ID: 090716.B\09071603.D

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		587586	9.621	521362	16.183	388752	5.217	1337306	6.929
UPPER LIMIT		1175172	10.121	1042724	16.683	777504	5.717	2674612	7.429
LOWER LIMIT		293793	9.121	260681	15.683	194376	4.717	668653	6.429
LAB SAMPLE ID	SAMPLE NO.								
40137573013	MW-77B	632548	9.61	506222	16.183	418843	5.206	1350497	6.918

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)

Sample ID : 8884797CCV Date Analyzed: 09/07/2016

Instrument ID: 40MSS1 GC Column: Col 1 Time Analyzed: 08:14

Lab File ID: 090716.B\09071603.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		776432	11.943	367676	18.548
UPPER LIMIT		1552864	12.443	735352	19.048
LOWER LIMIT		388216	11.443	183838	18.048
LAB SAMPLE ID	SAMPLE NO.				
40137573013	MW-77B	899228	11.932	360583	18.548

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)
 Sample ID : 8884724CCV Date Analyzed: 09/07/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 07:06
 Lab File ID: 090716.B\09071602.D

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		204112	6.539	338198	10.627	88821	4.133	350911	5.109
UPPER LIMIT		408224	7.039	676396	11.127	177642	4.633	701822	5.609
LOWER LIMIT		102056	6.039	169099	10.127	44410.5	3.633	175455.5	4.609
LAB SAMPLE ID	SAMPLE NO.								
1387265	1387265BLANK	221593	6.538	350779	10.626	105786	4.133	406239	5.109
1387266	1387266LCS	378891	6.539	639670	10.627	172113	4.133	670008	5.109
1387267	1387267LCSD	293758	6.538	520677	10.626	129416	4.133	507144	5.109
40137573007	MW-38B	412259*	6.538	669252	10.626	192597*	4.133	743471*	5.109
40137573011	MW-76A	244813	6.538	414321	10.626	116108	4.133	440143	5.109
40137573015	RW-16	171757	6.538	295109	10.626	83291	4.133	320985	5.109
40137573016	RW-3C	200653	6.539	320470	10.627	95926	4.133	361204	5.109

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137573 Contract: NAT'L PRESTO IND. (NPI)

Sample ID : 8884724CCV Date Analyzed: 09/07/2016

Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 07:06

Lab File ID: 090716.B\09071602.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		333568	7.768	286833	13.32
UPPER LIMIT		667136	8.268	573666	13.82
LOWER LIMIT		166784	7.268	143416.5	12.82
LAB SAMPLE ID	SAMPLE NO.				
1387265	1387265BLANK	382434	7.768	312744	13.32
1387266	1387266LCS	615942	7.774	575415*	13.326
1387267	1387267LCSD	488742	7.768	463482	13.32
40137573007	MW-38B	716379*	7.768	625084*	13.326
40137573011	MW-76A	444082	7.768	368917	13.326
40137573015	RW-16	309338	7.768	257982	13.326
40137573016	RW-3C	351260	7.768	278318	13.321

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-38B

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/06/2016 07:55 Lab Sample ID: 40137573007
Date Analyzed: 09/07/2016 09:43 Lab File ID: 090716.B\09071609.D
Initial wt/vol: 1050 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-76A

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/06/2016 07:55 Lab Sample ID: 40137573011
Date Analyzed: 09/07/2016 10:04 Lab File ID: 090716.B\09071610.D
Initial wt/vol: 1010 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.9	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-77B

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/06/2016 07:55 Lab Sample ID: 40137573013
Date Analyzed: 09/07/2016 12:02 Lab File ID: 090716.B\09071610.D
Initial wt/vol: 1060 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS1 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-16

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/06/2016 07:55 Lab Sample ID: 40137573015
Date Analyzed: 09/07/2016 11:30 Lab File ID: 090716.B\09071614.D
Initial wt/vol: 1050 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-3C

Lab Name: Pace Analytical - Green Bay Contract: NAT'L PRESTO IND. (NPI)
Date Received: 09/01/2016 07:30 Matrix: Water SDG No.: 40137573
Date Extracted: 09/06/2016 07:55 Lab Sample ID: 40137573016
Date Analyzed: 09/07/2016 11:51 Lab File ID: 090716.B\09071615.D
Initial wt/vol: 1060 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: _____
Date Extracted: 09/06/2016 07:55
Date Analyzed: 09/07/2016 08:39
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: NAT'L PRESTO IND. (NPI)
Matrix: Water SDG No.: 40137573
Lab Sample ID: 1387265
Lab File ID: 090716.B\09071606.D
Instrument: 40MSS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<3.0	U

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10A

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)
Lab Sample ID: 40137573003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	18.8		ug/L	1	09/06/2016 10:43

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10B

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)
Lab Sample ID: 40137573004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	3.6	J	ug/L	1	09/06/2016 10:50

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-68B

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)
Lab Sample ID: 40137573008 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	4.0	J	ug/L	1	09/02/2016 19:10

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-70B

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)
Lab Sample ID: 40137573009 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	4.1	J	ug/L	1	09/02/2016 19:12

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-75

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)
Lab Sample ID: 40137573010 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	2.2	J	ug/L	1	09/02/2016 19:15

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Initial Calibration Verification Source: 139583

Continuing Calibration Verification Source: 147848

Concentration Units: ug/L Instrument ID: 40ICP2

	Initial Calibration Verification				Continuing Calibration Verification						
	09/02/2016 11:13				09/02/2016 11:25			09/02/2016 18:53			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Cadmium	500	494	98.7	90-110	500	497	99.4	500	498	99.5	90-110

FORM II INORGANIC-2
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 147848

Concentration Units: ug/L Instrument ID: 40ICP2

	Continuing Calibration Verification			
	09/02/2016 19:22			Control Limit
Analyte	True	Found	%R	
Cadmium	500	495	99.1	90-110

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Initial Calibration Verification Source: 139583

Continuing Calibration Verification Source: 147848

Concentration Units: ug/L Instrument ID: 40ICP2

	Initial Calibration Verification				Continuing Calibration Verification						
	09/06/2016 09:37				09/06/2016 09:49			09/06/2016 10:55			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Cadmium	500	495	99.0	90-110	500	484	96.8	500	482	96.4	90-110

FORM II INORGANIC-2
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 147848

Concentration Units: ug/L Instrument ID: 40ICP2

	Continuing Calibration Verification			
	09/06/2016 11:24			Control Limit
Analyte	True	Found	%R	
Cadmium	500	482	96.5	90-110

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

CRDL Check Standard Source: 146583 Analysis Date/Time: 09/02/2016 11:18

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Cadmium	5.0	5.0	99.1	50-150

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

CRDL Check Standard Source: 146583 Analysis Date/Time: 09/06/2016 09:42

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Cadmium	5.0	5.1	102.8	50-150

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract : NAT'L PRESTO IND. (NPI)

Method Blank Matrix: _____ Instrument ID: 40ICP2

Method Blank Concentration Units: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)					
	09/02/2016 11:16	C	09/02/2016 11:28	C	09/02/2016 18:56	C	09/02/2016 19:24	C
Cadmium	0.60	U	0.60	U	0.60	U	0.60	U

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract : NAT'L PRESTO IND. (NPI)

Method Blank Matrix: Water Instrument ID: 40ICP2

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	09/06/2016 09:40	C	09/06/2016 09:52	C	09/06/2016 10:57	C	09/06/2016 11:26	C	1386998	C
Cadmium	0.60	U	0.60	U	0.60	U	0.60	U	<0.60	U

FORM III INORGANIC-2

BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract : NAT'L PRESTO IND. (NPI)

Method Blank Matrix: Water Instrument ID: 40ICP2

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank		Continuing Calibration Blank				Method Blank		
		C		C		C		C	
								1387002	C
Cadmium								<0.60	U

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Instrument ID: 40ICP2

Solution A Run Date: 09/02/2016 11:21

ICS Source: 147598,148098

Solution AB Run Date: 09/02/2016 11:23

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	250000	250000	260800	104.3	261800	104.7	80-120
Cadmium		500	-1.165		517.1	103.4	80-120
Calcium	500000	500000	479100	95.8	481500	96.3	80-120
Iron	200000	200000	193500	96.8	193300	96.7	80-120
Magnesium	500000	500000	519500	103.9	529500	105.9	80-120

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Instrument ID: 40ICP2

Solution A Run Date: 09/06/2016 09:44

ICS Source: 147598,148098

Solution AB Run Date: 09/06/2016 09:47

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	250000	250000	256400	102.6	253600	101.4	80-120
Cadmium		500	3.197		510.7	102.1	80-120
Calcium	500000	500000	464400	92.9	464500	92.9	80-120
Iron	200000	200000	195200	97.6	194100	97.1	80-120
Magnesium	500000	500000	519500	103.9	521800	104.4	80-120

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1387000MS

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Matrix: Water Basis: Wet Parent Sample ID: MW-10A

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Cadmium, Dissolved	ug/L	75-125	493	18.8	500	95

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1387001MSD

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Matrix: Water Basis: Wet Parent Sample ID: MW-10A

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Cadmium, Dissolved	ug/L	75-125	493	18.8	500	95

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1387001MSD

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Matrix: Water Concentration Units: ug/L

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Cadmium, Dissolved	20	493	493	0

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

1386999LCS

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Cadmium, Dissolved	ug/L	500	475	95	80	120

FORM VIII INORGANIC-1
SERIAL DILUTIONS

1387055SD

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)Matrix: Water Parent Sample ID: MW-10B

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Cadmium, Dissolved	ug/L	3.6J	4.7J	29.6*	10

* % Difference not evaluated for parent results less than 50 times the reporting limit.

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Preparation Method: None Instrument ID: 40ICP2

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Cadmium	5.0	0.60	11/17/2014

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Preparation Method: EPA 6010 Instrument ID: 40ICP2

Concentration Units: ug/L

Analyte	PQL	MDL	MDL Date
Cadmium	5.0	0.60	04/07/2014

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	5	V	-0.003900	0.000000	No
			Mn	0.000140	0.000000	No
			Mo	0.000460	0.000000	No
			Cu	0.000018	0.000000	No
			Ti	0.000000	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.037000	0.000000	No
As 189.042 {479}	<input checked="" type="checkbox"/>	8	Cr	0.000545	0.000000	No
			V	0.000000	0.000000	No
			Mo	0.000310	0.000000	No
			Al	0.000068	0.000000	No
			Fe	-0.000006	0.000000	No
			Co	0.000000	0.000000	No
			Be	0.000000	0.000000	No
			Tl	0.000281	0.000000	No
B 208.959 {462}	<input checked="" type="checkbox"/>	2	Mo	0.025000	0.000000	No
			Ti	0.000000	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Ca	0.000000	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000147	0.000000	No
			Mo	-0.000020	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 228.802 {448}	<input checked="" type="checkbox"/>	4	Fe	0.000026	0.000000	No
			Ni	-0.000062	0.000000	No
			V	0.000098	0.000000	No
			As	0.001690	0.000000	No
Co 228.616 {448}	<input checked="" type="checkbox"/>	4	Fe	0.000030	0.000000	No
			Mo	-0.000207	0.000000	No
			Ti	0.001960	0.000000	No
			Ni	0.000120	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	2	Al	0.000010	0.000000	No
			Mn	0.000229	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	5	Fe	0.000000	0.000000	No
			V	-0.000192	0.000000	No
			Mo	0.000000	0.000000	No
			Co	0.000000	0.000000	No
			Ti	0.000000	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	1	Mo	-0.000600	0.000000	No
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	2	Mn	-0.002210	0.000000	No
			Mo	-0.016600	0.000000	No
Mn 257.610 {131}	<input checked="" type="checkbox"/>	1	Fe	-0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	V	-0.000180	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	1	Ti	0.000000	0.000000	No
Ni 231.604 {446}	<input checked="" type="checkbox"/>	2	Co	-0.000700	0.000000	No
			Fe	0.000026	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	6	Al	0.000150	0.000000	No
			Fe	0.000038	0.000000	No
			Mn	0.000090	0.000000	No
			Mo	-0.001700	0.000000	No
			Cu	0.000288	0.000000	No
			Ni	0.000000	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	4	Al	0.000050	0.000000	No
			Fe	0.000000	0.000000	No
			Cr	0.005390	0.000000	No
			Mo	-0.001240	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Se 196.090 {472}	<input checked="" type="checkbox"/>	2	Mn	0.000560	0.000000	No
			Mo	0.000115	0.000000	No
Sn 189.989 {478}	<input checked="" type="checkbox"/>	None				
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000012	0.000000	No
Ti 334.904 {101}	<input checked="" type="checkbox"/>	3	Cr	0.000180	0.000000	No
			Mo	0.000000	0.000000	No
			Ca	0.000010	0.000000	No
Ti 190.856 {477}	<input checked="" type="checkbox"/>	6	Mn	0.000900	0.000000	No
			Cr	0.000000	0.000000	No
			V	0.000000	0.000000	No
			Co	0.004260	0.000000	No
			Fe	0.000008	0.000000	No
			Ti	-0.001000	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Mn	0.000000	0.000000	No
			Cr	-0.002509	0.000000	No
			Fe	0.000000	0.000000	No
			Ti	0.000200	0.000000	No
			Mo	-0.000200	0.000000	No
Y 224.306 {451}* Y 360.073 { 94}* Y 371.030 { 91}* Zn 206.200 {464}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 6				
			Fe	0.000100	0.000000	No
			Mn	0.000228	0.000000	No
			Ni	0.000204	0.000000	No
			Cr	0.000000	0.000000	No
			Mo	0.000000	0.000000	No
			Co	0.000000	0.000000	No

FORM XI - INORGANIC-1
LINEAR DYNAMIC RANGES

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract : NAT'L PRESTO IND. (NPI)
Instrument ID: 40ICP2 Effective Date: 01/15/2015

Analyte	Concentration (ug/L)
Cadmium	13500

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Preparation Method: EPA 6010 Batch: ICP 12722

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
1386998	1386998BLANK	09/06/2016	10	10
1386999	1386999LCS	09/06/2016	10	10
1387000	1387000MS	09/06/2016	10	10
1387001	1387001MSD	09/06/2016	10	10
1387002	1387002BLANK	09/06/2016	10	10
40137573003	MW-10A	09/06/2016	10	10
40137573004	MW-10B	09/06/2016	10	10
40137573008	MW-68B	09/02/2016	10	10
40137573009	MW-70B	09/02/2016	10	10
40137573010	MW-75	09/02/2016	10	10

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Instrument ID: 40ICP2

Analysis Method: EPA 6010

Start Date: 09/02/2016 11:09

End Date: 09/02/2016 19:24

Sample Name	Lab Sample ID	D/F	Date	Time	Cd
8875402CAL0	8875402CAL0	1	09/02/2016	11:09	X
8875403CAL1	8875403CAL1	1	09/02/2016	11:11	X
8875404ICV	8875404ICV	1	09/02/2016	11:13	X
8875405ICB	8875405ICB	1	09/02/2016	11:16	X
8875406CRDL	8875406CRDL	1	09/02/2016	11:18	X
8875407ICSA	8875407ICSA	1	09/02/2016	11:21	X
8875408ICSAB	8875408ICSAB	1	09/02/2016	11:23	X
8875409CCV	8875409CCV	1	09/02/2016	11:25	X
8875410CCB	8875410CCB	1	09/02/2016	11:28	X
8877512CCV	8877512CCV	1	09/02/2016	18:53	X
8877513CCB	8877513CCB	1	09/02/2016	18:56	X
MW-68B	40137573008	1	09/02/2016	19:10	X
MW-70B	40137573009	1	09/02/2016	19:12	X
MW-75	40137573010	1	09/02/2016	19:15	X
8877514CCV	8877514CCV	1	09/02/2016	19:22	X
8877515CCB	8877515CCB	1	09/02/2016	19:24	X

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Green Bay SDG No. : 40137573 Contract: NAT'L PRESTO IND. (NPI)

Instrument ID: 40ICP2 Analysis Method: EPA 6010

Start Date: 09/06/2016 09:32 End Date: 09/06/2016 11:26

Sample Name	Lab Sample ID	D/F	Date	Time	Cd
8878924CAL0	8878924CAL0	1	09/06/2016	09:32	X
8878925CAL1	8878925CAL1	1	09/06/2016	09:35	X
8878926ICV	8878926ICV	1	09/06/2016	09:37	X
8878927ICB	8878927ICB	1	09/06/2016	09:40	X
8878928CRDL	8878928CRDL	1	09/06/2016	09:42	X
8878929ICSA	8878929ICSA	1	09/06/2016	09:44	X
8878930ICSAB	8878930ICSAB	1	09/06/2016	09:47	X
8878931CCV	8878931CCV	1	09/06/2016	09:49	X
8878932CCB	8878932CCB	1	09/06/2016	09:52	X
1386998BLANK	1386998	1	09/06/2016	10:38	X
1386999LCS	1386999	1	09/06/2016	10:41	X
MW-10A	40137573003	1	09/06/2016	10:43	X
1387000MS	1387000	1	09/06/2016	10:46	X
1387001MSD	1387001	1	09/06/2016	10:48	X
MW-10B	40137573004	1	09/06/2016	10:50	X
1387055SD	1387055	5	09/06/2016	10:52	X
8878933CCV	8878933CCV	1	09/06/2016	10:55	X
8878934CCB	8878934CCB	1	09/06/2016	10:57	X
1387002BLANK	1387002	1	09/06/2016	11:02	X
8879019CCV	8879019CCV	1	09/06/2016	11:24	X
8879020CCB	8879020CCB	1	09/06/2016	11:26	X



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 40137498

Table Of Contents



Project Overview

Final Report with COC/SCUR	1
SDG Narrative	26

Organic

GC-MS Semivolatiles

Surrogate Recovery Summary (Form 2)	27
Method Blank Association Summary (Form 4)	29
Instrument Performance Check (Form 5)	30
Initial Calibration (Form 6)	34
Continuing Calibration (Form 7)	38
Internal Standard Area & Retention Time Summary (Form 8)	42
Analytical Results with Raw Data (Form 1)	46
Raw Data QC	48

September 07, 2016

Clifford Wright
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2016. 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.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.



40137498

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40137498001	CW-11	Water	08/30/16 09:30	08/31/16 07:30
40137498002	CW-15	Water	08/30/16 09:35	08/31/16 07:30
40137498003	CW-16	Water	08/30/16 09:25	08/31/16 07:30
40137498004	CW-17	Water	08/30/16 09:50	08/31/16 07:30
40137498005	CW-19	Water	08/30/16 09:32	08/31/16 07:30
40137498006	TOWER A	Water	08/30/16 09:54	08/31/16 07:30
40137498007	TOWER B	Water	08/30/16 09:56	08/31/16 07:30
40137498008	RAW	Water	08/30/16 09:52	08/31/16 07:30
40137498009	PRODUCT	Water	08/30/16 09:00	08/31/16 07:30
40137498010	Trip Blank A	Water	08/30/16 00:00	08/31/16 07:30
40137498011	CW-19 DUP	Water	08/30/16 09:32	08/31/16 07:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40137498001	CW-11	EPA 524.2	DJB	8	PASI-M
40137498002	CW-15	EPA 524.2	DJB	8	PASI-M
40137498003	CW-16	EPA 524.2	DJB	8	PASI-M
40137498004	CW-17	EPA 524.2	DJB	8	PASI-M
40137498005	CW-19	EPA 8270	RJN	7	PASI-G
		EPA 524.2	DJB	8	PASI-M
40137498006	TOWER A	EPA 524.2	DJB	8	PASI-M
40137498007	TOWER B	EPA 524.2	DJB	8	PASI-M
40137498008	RAW	EPA 524.2	DJB	8	PASI-M
40137498009	PRODUCT	EPA 524.2	DJB	8	PASI-M
40137498010	Trip Blank A	EPA 524.2	DJB	8	PASI-M
40137498011	CW-19 DUP	EPA 8270	RJN	7	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40137498002	CW-15					
EPA 524.2	Trichloroethene	0.19J	ug/L	0.40	09/02/16 04:11	
40137498005	CW-19					
EPA 524.2	Trichloroethene	2.0	ug/L	0.40	09/02/16 05:18	
40137498008	RAW					
EPA 524.2	Trichloroethene	0.94	ug/L	0.40	09/02/16 06:25	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: September 07, 2016

General Information:

2 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 233862

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Method: EPA 524.2

Description: 524.2 MSV

Client: Gannett Fleming Inc.

Date: September 07, 2016

General Information:

10 samples were analyzed for EPA 524.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-11 **Lab ID: 40137498001** Collected: 08/30/16 09:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 03:49	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 03:49	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 03:49	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 03:49	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 03:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		09/02/16 03:49	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 03:49	2037-26-5	
1,2-Dichloroethane-d4 (S)	95	%	75-125		1		09/02/16 03:49	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-15 **Lab ID: 40137498002** Collected: 08/30/16 09:35 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:11	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:11	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:11	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:11	71-55-6	
Trichloroethene	0.19J	ug/L	0.40	0.044	1		09/02/16 04:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	75-125		1		09/02/16 04:11	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 04:11	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 04:11	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-16 **Lab ID: 40137498003** Collected: 08/30/16 09:25 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:33	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:33	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:33	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:33	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 04:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 04:33	460-00-4	
Toluene-d8 (S)	98	%	75-125		1		09/02/16 04:33	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%	75-125		1		09/02/16 04:33	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

Sample: CW-17 **Lab ID: 40137498004** Collected: 08/30/16 09:50 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:56	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:56	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:56	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:56	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 04:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		09/02/16 04:56	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 04:56	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	75-125		1		09/02/16 04:56	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-19 **Lab ID: 40137498005** Collected: 08/30/16 09:32 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.5	2.9	1	09/01/16 09:15	09/02/16 12:56	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	09/01/16 09:15	09/02/16 12:56	4165-60-0	
2-Fluorobiphenyl (S)	61	%	41-130		1	09/01/16 09:15	09/02/16 12:56	321-60-8	
Terphenyl-d14 (S)	79	%	49-130		1	09/01/16 09:15	09/02/16 12:56	1718-51-0	
Phenol-d6 (S)	30	%	15-130		1	09/01/16 09:15	09/02/16 12:56	13127-88-3	
2-Fluorophenol (S)	42	%	27-130		1	09/01/16 09:15	09/02/16 12:56	367-12-4	
2,4,6-Tribromophenol (S)	64	%	42-140		1	09/01/16 09:15	09/02/16 12:56	118-79-6	
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 05:18	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 05:18	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 05:18	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 05:18	71-55-6	
Trichloroethene	2.0	ug/L	0.40	0.044	1		09/02/16 05:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		09/02/16 05:18	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 05:18	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		09/02/16 05:18	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: TOWER A **Lab ID: 40137498006** Collected: 08/30/16 09:54 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 05:40	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 05:40	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 05:40	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 05:40	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 05:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	75-125		1		09/02/16 05:40	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 05:40	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 05:40	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: TOWER B **Lab ID: 40137498007** Collected: 08/30/16 09:56 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:02	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:02	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:02	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:02	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 06:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 06:02	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 06:02	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 06:02	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: RAW **Lab ID: 40137498008** Collected: 08/30/16 09:52 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:25	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:25	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:25	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:25	71-55-6	
Trichloroethene	0.94	ug/L	0.40	0.044	1		09/02/16 06:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		09/02/16 06:25	460-00-4	
Toluene-d8 (S)	98	%	75-125		1		09/02/16 06:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%	75-125		1		09/02/16 06:25	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: PRODUCT **Lab ID: 40137498009** Collected: 08/30/16 09:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:47	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:47	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:47	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:47	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 06:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 06:47	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 06:47	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 06:47	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: Trip Blank A **Lab ID: 40137498010** Collected: 08/30/16 00:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 02:20	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 02:20	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 02:20	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 02:20	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 02:20	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		09/02/16 02:20	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 02:20	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		09/02/16 02:20	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: CW-19 DUP **Lab ID: 40137498011** Collected: 08/30/16 09:32 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/01/16 09:15	09/02/16 13:28	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	75	%	43-130		1	09/01/16 09:15	09/02/16 13:28	4165-60-0	
2-Fluorobiphenyl (S)	64	%	41-130		1	09/01/16 09:15	09/02/16 13:28	321-60-8	
Terphenyl-d14 (S)	80	%	49-130		1	09/01/16 09:15	09/02/16 13:28	1718-51-0	
Phenol-d6 (S)	31	%	15-130		1	09/01/16 09:15	09/02/16 13:28	13127-88-3	
2-Fluorophenol (S)	45	%	27-130		1	09/01/16 09:15	09/02/16 13:28	367-12-4	
2,4,6-Tribromophenol (S)	64	%	42-140		1	09/01/16 09:15	09/02/16 13:28	118-79-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

QC Batch: 433783 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40137498001, 40137498002, 40137498003, 40137498004, 40137498005, 40137498006, 40137498007, 40137498008, 40137498009, 40137498010

METHOD BLANK: 2358855 Matrix: Water
Associated Lab Samples: 40137498001, 40137498002, 40137498003, 40137498004, 40137498005, 40137498006, 40137498007, 40137498008, 40137498009, 40137498010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	0.50	09/02/16 01:57	
1,1-Dichloroethane	ug/L	<0.088	0.50	09/02/16 01:57	
1,1-Dichloroethene	ug/L	<0.089	0.50	09/02/16 01:57	
Tetrachloroethene	ug/L	<0.12	0.50	09/02/16 01:57	
Trichloroethene	ug/L	<0.044	0.40	09/02/16 01:57	
1,2-Dichloroethane-d4 (S)	%	97	75-125	09/02/16 01:57	
4-Bromofluorobenzene (S)	%	104	75-125	09/02/16 01:57	
Toluene-d8 (S)	%	97	75-125	09/02/16 01:57	

LABORATORY CONTROL SAMPLE & LCSD: 2358856 2358857

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.8	21.9	109	109	70-130	0	20	
1,1-Dichloroethane	ug/L	20	20.0	19.4	100	97	70-130	3	20	
1,1-Dichloroethene	ug/L	20	20.5	21.0	102	105	70-130	2	20	
Tetrachloroethene	ug/L	20	21.6	21.3	108	106	70-130	2	20	
Trichloroethene	ug/L	20	21.5	21.6	107	108	70-130	0	20	
1,2-Dichloroethane-d4 (S)	%				93	92	75-125			
4-Bromofluorobenzene (S)	%				100	101	75-125			
Toluene-d8 (S)	%				98	98	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2358858 2358859

Parameter	Units	60226570001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	22.3	23.1	112	115	70-130	3	20	
1,1-Dichloroethane	ug/L	ND	20	20	20.0	20.8	100	104	70-130	4	20	
1,1-Dichloroethene	ug/L	ND	20	20	21.9	23.3	109	116	70-130	6	20	
Tetrachloroethene	ug/L	ND	20	20	21.3	21.6	106	108	70-130	1	20	
Trichloroethene	ug/L	ND	20	20	22.1	22.6	110	113	70-130	2	20	
1,2-Dichloroethane-d4 (S)	%						91	91	75-125			
4-Bromofluorobenzene (S)	%						100	104	75-125			
Toluene-d8 (S)	%						98	97	75-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

QC Batch: 233862 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40137498005, 40137498011

METHOD BLANK: 1385256 Matrix: Water
Associated Lab Samples: 40137498005, 40137498011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	09/02/16 10:05	
2,4,6-Tribromophenol (S)	%	81	42-140	09/02/16 10:05	
2-Fluorobiphenyl (S)	%	78	41-130	09/02/16 10:05	
2-Fluorophenol (S)	%	57	27-130	09/02/16 10:05	
Nitrobenzene-d5 (S)	%	84	43-130	09/02/16 10:05	
Phenol-d6 (S)	%	35	15-130	09/02/16 10:05	
Terphenyl-d14 (S)	%	93	49-130	09/02/16 10:05	

LABORATORY CONTROL SAMPLE & LCSD: 1385257		1385258									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
2,4,6-Tribromophenol (S)	%				76	78	42-140				
2-Fluorobiphenyl (S)	%				83	78	41-130				
2-Fluorophenol (S)	%				52	48	27-130				
Nitrobenzene-d5 (S)	%				80	76	43-130				
Phenol-d6 (S)	%				32	32	15-130				
Terphenyl-d14 (S)	%				78	80	49-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: 233952

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40137498005	CW-19	EPA 3510	233862	EPA 8270	233952
40137498011	CW-19 DUP	EPA 3510	233862	EPA 8270	233952
40137498001	CW-11	EPA 524.2	433783		
40137498002	CW-15	EPA 524.2	433783		
40137498003	CW-16	EPA 524.2	433783		
40137498004	CW-17	EPA 524.2	433783		
40137498005	CW-19	EPA 524.2	433783		
40137498006	TOWER A	EPA 524.2	433783		
40137498007	TOWER B	EPA 524.2	433783		
40137498008	RAW	EPA 524.2	433783		
40137498009	PRODUCT	EPA 524.2	433783		
40137498010	Trip Blank A	EPA 524.2	433783		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)



www.paceanalytical.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1
40137498

CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)

Company Name: **Gannett Fleming**
 Branch/Location: **Madison, WI**
 Project Contact: **Dave O'Leary**
 Phone: **608.436.1800**
 Project Number: **34283.000**
 Project Name: **National Parks Inv. (NPI)**
 Project State: **WI**
 Sampled By (Print): **Chelsea Payne**
 Sampled By (Sign): *Chelsea Payne*
 PO #: **Regulatory Program**

Data Package Options
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A=Air B=Biota W=Water
 C=Charcoal G=Ground Water DW=Drinking Water
 O=Oil SW=Surface Water GW=Ground Water
 SI=Sludge WP=Waste Water

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
001	CU-11	8/30/16	9:30	GW
002	CU-15		9:35	
003	CU-16		9:35	
004	CU-17		9:50	
005	CU-19		9:32	
006	CU-17 Tower A		7:54	
007	Tower B		7:56	
008	Raw		7:52	
009	Product		9:00	
010	TA			
031	CU-19 Dup 011	9/3/16	6:00	

Y/N	Pick Label	Analyses Requested
N	B	Drinking Water Standard
N	A	14 Dicarb

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *Chelsea Payne* Date/Time: *8/30/16 14:00*
 Relinquished By: *Duham* Date/Time: *8/31/16 07:30*
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:

Quote #:
Mail To Contact: Dave O'Leary
Mail To Company: Gannett Fleming
Mail To Address: 8025 Excelsior Dr, Madison, WI 53717
Invoice To Contact: See
Invoice To Company: Mail to
Invoice To Address: ~

Invoice To Phone: 608.436.1500
CLIENT COMMENTS: Lab Use Only
CLIENT COMMENTS: Send copy of reports to Maurice A. Kuehl
CLIENT COMMENTS: 3470 Chardwick Ct. Green Bay, WI 54311
CLIENT COMMENTS: 1 P-Lag A
CLIENT COMMENTS: 1 P-Lag A

Received By: *Duham* Date/Time: *8/31/16 07:30*
Received By: *Mark Whelan* Date/Time: *8/31/16 07:30*
Received By: Date/Time:
Received By: Date/Time:

PACE Project No.: 40137498
Receipt Temp: ROT °C
Sample Receipt: OK / Adjusted
Cooler Custody Seal: Present / Not Present / Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Client Name: Garnett Fleming
 Courier: Fed Ex UPS Client Pace Other: Durham
 Tracking #: 1208076

Project #: **WO#: 40137498**

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Custody Seal on Samples Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature: Uncorr: ROT / Corr: _____ Biological Tissue is Frozen: yes no
 Temp Blank Present: yes no

Person examining contents:
 Date: 8-31-14
 Initials: SMW

Temp should be above freezing to 6°C for all sample except Biota.
 Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <input checked="" type="checkbox"/> VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed Lab Std #ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>369</u>	<u>8/31/14</u>	<u>SMW</u>

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: AMH for DM Date: 8/31/14

(Please Print Clearly)

Company Name: Gannett Fleming

Branch/Location: Madison, WI

Project Contact: Dave Olig

Phone: 608-836-1800

Project Number: 34283.000

Project Name: National Presto Ind. (NPI)

Project State: WI

Sampled By (Print): Chelsea Payne

Sampled By (Sign): Ch Payne

PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

*Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Y	N											
Pick Letter	B	A											
Analyses Requested	X												
	524 Drinking H ₂ O	1/4 Dioxine											

Quote #: _____

Mail To Contact: Dave Olig

Mail To Company: Gannett Fleming

Mail To Address: 8025 Excelsior Dr. Madison, WI 53717

Invoice To Contact: See

Invoice To Company: Mail to

Invoice To Address: u

Invoice To Phone: 608-836-1500

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Blota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested	Y	N									CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #	
		DATE	TIME																
	CW-11	8:30	9:30	GW	X														
	CW-15		9:35																
	CW-16		7:25																
	CW-17		9:50																
	CW-19		9:32																
	Tower A		9:54																
	Tower B		9:56																
	Raw Product		9:52																
	TA Trip blank		9:00																
	CW-19 dup	u	9:32	GW															

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed: _____	Relinquished By: <u>Chelsea Payne</u> Date/Time: <u>8-30-16 14:00</u>	Received By: _____ Date/Time: _____	PACE Project No. _____
Transmit Prelim Rush Results by (complete what you want): _____	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Receipt Temp = _____ °C
Email #1: _____	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Sample Receipt pH OK / Adjusted
Email #2: _____	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Cooler Custody Seal Present / Not Present Intact / Not Intact
Telephone: _____	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Page 28 of 25
Fax: _____	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Samples on HOLD are subject to special pricing and release of liability	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	



CASE NARRATIVE - SEMIVOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40137498

Client: GANNETT FLEMING INC

Project Name: NPI

Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 3510
- B. **Analysis:** SW846 8270C

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** The method acceptance criteria were met.
 - 3. **Continuing verification:** The method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** The in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met. Surrogate recoveries for the lab control spikes were reported even though 1,4-Dioxane was not in the lab control spike compound list.
- D. **Spikes:**
 - 1. **Lab Control Spike / Lab Control Spike Duplicate (LCS/LCSD):** All in-house accuracy and precision criteria were met. Neither the LCS nor LCSD were spiked with 1,4-Dioxane so no LCS summary was created.
 - 2. **Matrix Spike / Duplicate (MS/MSD):** A matrix spike / matrix spike duplicate was not performed for this batch due to insufficient sample volume.
- E. **Internal Standards:** All in-house acceptance criteria were met.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG.
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed.

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, Inc.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 09/07/16
 Name: Jill A. Duranceau Position: Quality Assurance Auditor

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSS1

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD6	TD14
40137498005	CW-19	64	61	42	76	30	79
40137498011	CW-19 DUP	64	64	45	75	31	80

QC LIMITS

(24B6) = 2,4,6-Tribromophenol (S)

(42-140)

(2FBP) = 2-Fluorobiphenyl (S)

(41-130)

(2FPH) = 2-Fluorophenol (S)

(27-130)

(NIT5) = Nitrobenzene-d5 (S)

(43-130)

(PHD6) = Phenol-d6 (S)

(15-130)

(TD14) = Terphenyl-d14 (S)

(49-130)

* Values outside of QC Limits

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSS8

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD6	TD14
1385256	1385256BLANK	81	78	57	84	35	93
1385257	1385257LCS	76	83	52	80	32	78
1385258	1385258LCSD	78	78	48	76	32	80

QC LIMITS

(24B6) = 2,4,6-Tribromophenol (S)

(42-140)

(2FBP) = 2-Fluorobiphenyl (S)

(41-130)

(2FPH) = 2-Fluorophenol (S)

(27-130)

(NIT5) = Nitrobenzene-d5 (S)

(43-130)

(PHD6) = Phenol-d6 (S)

(15-130)

(TD14) = Terphenyl-d14 (S)

(49-130)

* Values outside of QC Limits

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1385256BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO
Instrument ID: 40MSS8 Matrix: Water Lab Sample ID: 1385256
Lab File ID: 090216.B\09021610.D Date Analyzed: 09/02/2016 Time: 10:05

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1385257LCS	1385257	090216.B\09021611.D	09/02/2016 10:27
1385258LCSD	1385258	090216.B\09021612.D	09/02/2016 10:48
CW-19	40137498005	090216.B\09021611.D	09/02/2016 12:56
CW-19 DUP	40137498011	090216.B\09021612.D	09/02/2016 13:28

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 031516.B\03151601.D DFTPP Injection Date: 03/15/2016
 Instrument ID: 40MSS1 DFTPP Injection Time: 12:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	47.32
68	Less than 2.00% of mass 69	0.00 (0.00) ¹
69	Mass 69 relative abundance	50.06
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	10.00 - 80.00% of mass 198	34.30
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 60.00% of mass 198	19.50
365	Greater than 1.00% of mass 198	2.30
441	Present, but less than mass 443	9.85
442	Greater than 50.00% of mass 198	66.49
443	15.00 - 24.00% of mass 442	12.29 (18.49) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8327677CAL7	8327677CAL7	031516.B\03151602.D	03/15/2016	13:00
8327693CAL6	8327693CAL6	031516.B\03151603.D	03/15/2016	13:32
8327676CAL5	8327676CAL5	031516.B\03151604.D	03/15/2016	14:03
8327690CAL4	8327690CAL4	031516.B\03151605.D	03/15/2016	14:37
8327691CAL3	8327691CAL3	031516.B\03151606.D	03/15/2016	15:10
8327686CAL2	8327686CAL2	031516.B\03151607.D	03/15/2016	15:42
8327673CAL1	8327673CAL1	031516.B\03151608.D	03/15/2016	16:15
8327679ICV	8327679ICV	031516.B\03151609.D	03/15/2016	16:48

MSSV Full Scan - FORM V SVOA-1
 SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
 PERFORMANCE CHECK
 DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 090216.B\09021601.D DFTPP Injection Date: 09/02/2016
 Instrument ID: 40MSS1 DFTPP Injection Time: 07:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	49.93
68	Less than 2.00% of mass 69	0.00 (0.00) ¹
69	Mass 69 relative abundance	51.06
70	Less than 2.00% of mass 69	0.33 (0.64) ¹
127	10.00 - 80.00% of mass 198	36.51
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.24
275	10.00 - 60.00% of mass 198	19.06
365	Greater than 1.00% of mass 198	2.03
441	Present, but less than mass 443	8.99
442	Greater than 50.00% of mass 198	54.93
443	15.00 - 24.00% of mass 442	10.74 (19.55) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8877882CCV	8877882CCV	090216.B\09021602.D	09/02/2016	08:06
CW-19	40137498005	090216.B\09021611.D	09/02/2016	12:56
CW-19 DUP	40137498011	090216.B\09021612.D	09/02/2016	13:28

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 061316.B\06131603.D DFTPP Injection Date: 06/13/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 08:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	37.44
68	Less than 2.00% of mass 69	0.60 (1.62) ¹
69	Mass 69 relative abundance	37.06
70	Less than 2.00% of mass 69	0.15 (0.42) ¹
127	10.00 - 80.00% of mass 198	47.81
197	Less than 2.00% of mass 198	0.38
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 60.00% of mass 198	25.17
365	Greater than 1.00% of mass 198	3.42
441	Present, but less than mass 443	12.45
442	Greater than 50.00% of mass 198	85.88
443	15.00 - 24.00% of mass 442	15.94 (18.56) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8617323CAL7	8617323CAL7	061316.B\06131604.D	06/13/2016	08:26
8617319CAL6	8617319CAL6	061316.B\06131605.D	06/13/2016	08:47
8617322CAL5	8617322CAL5	061316.B\06131606.D	06/13/2016	09:08
8617328CAL4	8617328CAL4	061316.B\06131607.D	06/13/2016	09:29
8617327CAL3	8617327CAL3	061316.B\06131608.D	06/13/2016	09:50
8617340CAL2	8617340CAL2	061316.B\06131609.D	06/13/2016	10:11
8617324CAL1	8617324CAL1	061316.B\06131610.D	06/13/2016	10:32
8617321ICV	8617321ICV	061316.B\06131611.D	06/13/2016	10:53

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 090216.B\09021603.D DFTPP Injection Date: 09/02/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 07:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	42.05
68	Less than 2.00% of mass 69	0.78 (1.91) ¹
69	Mass 69 relative abundance	40.65
70	Less than 2.00% of mass 69	0.25 (0.60) ¹
127	10.00 - 80.00% of mass 198	50.22
197	Less than 2.00% of mass 198	0.73
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.53
275	10.00 - 60.00% of mass 198	24.34
365	Greater than 1.00% of mass 198	3.22
441	Present, but less than mass 443	12.02
442	Greater than 50.00% of mass 198	79.79
443	15.00 - 24.00% of mass 442	15.98 (20.03) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
8877554CCV	8877554CCV	090216.B\09021604.D	09/02/2016	07:55
1385256BLANK	1385256BLANK	090216.B\09021610.D	09/02/2016	10:05
1385257LCS	1385257LCS	090216.B\09021611.D	09/02/2016	10:27
1385258LCSD	1385258LCSD	090216.B\09021612.D	09/02/2016	10:48

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS1 GC Column: Col 1 SDG No.: 40137498
 Calibration Date(s): 03/15/2016 03/15/2016 Calibration Time(s): 13:00 16:15

LAB FILE ID

CAL1 = 031516.B\03151608.D CAL2 = 031516.B\03151607.D CAL3 = 031516.B\03151606.D
 CAL4 = 031516.B\03151605.D CAL5 = 031516.B\03151604.D CAL6 = 031516.B\03151603.D
 CAL7 = 031516.B\03151602.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,4-Dioxane (p-Dioxane)	Averaged	0.57747	0.62586	0.59559	0.58872	0.60107	0.63904
2-Fluorobiphenyl (S)	Averaged	1.74658	1.69292	1.74026	1.62859	1.56774	1.46732
2-Fluorophenol (S)	Averaged	1.26132	1.19743	1.32289	1.32312	1.23986	1.17003
Nitrobenzene-d5 (S)	Averaged	0.36956	0.37260	0.38767	0.37559	0.35510	0.35445
Phenol-d6 (S)	Averaged	1.53316	1.47323	1.65325	1.56853	1.46863	1.44175
Terphenyl-d14 (S)	Averaged	1.12591	1.16067	1.03732	0.97110	1.00632	0.89356
2,4,6-Tribromophenol (S)	Averaged	0.19922	0.18699	0.22053	0.19571	0.18416	0.20599

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS1 GC Column: Col 1 SDG No.: 40137498
 Calibration Date(s): 03/15/2016 03/15/2016 Calibration Time(s): 13:00 16:15

LAB FILE ID

CAL1 = 031516.B\03151608.D CAL2 = 031516.B\03151607.D CAL3 = 031516.B\03151606.D
 CAL4 = 031516.B\03151605.D CAL5 = 031516.B\03151604.D CAL6 = 031516.B\03151603.D
 CAL7 = 031516.B\03151602.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,4-Dioxane (p-Dioxane)	Averaged	0.59066	3.64021			0.60263	
2-Fluorobiphenyl (S)	Averaged	1.43391	7.85095			1.61105	
2-Fluorophenol (S)	Averaged	1.26529	4.62088			1.25427	
Nitrobenzene-d5 (S)	Averaged	0.34987	3.74348			0.36641	
Phenol-d6 (S)	Averaged	1.44289	5.17305			1.51163	
Terphenyl-d14 (S)	Averaged	0.95106	9.34597			1.02085	
2,4,6-Tribromophenol (S)	Averaged	0.20949	6.40045			0.20030	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40137498
 Calibration Date(s): 06/13/2016 06/13/2016 Calibration Time(s): 08:26 10:32

LAB FILE ID

CAL1 = 061316.B\06131610.D CAL2 = 061316.B\06131609.D CAL3 = 061316.B\06131608.D
 CAL4 = 061316.B\06131607.D CAL5 = 061316.B\06131606.D CAL6 = 061316.B\06131605.D
 CAL7 = 061316.B\06131604.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,4-Dioxane (p-Dioxane)	Averaged	0.69668	0.62910	0.61298	0.58513	0.61967	0.58844
2-Fluorobiphenyl (S)	Averaged	1.48339	1.39389	1.36256	1.34145	1.37696	1.29879
2-Fluorophenol (S)	Averaged	1.17776	1.21183	1.23174	1.21361	1.27760	1.28326
Nitrobenzene-d5 (S)	Averaged	0.33333	0.33867	0.34945	0.35416	0.36368	0.36489
Phenol-d6 (S)	Averaged	1.56241	1.56975	1.60057	1.63603	1.60841	1.67638
Terphenyl-d14 (S)	Averaged	0.79797	0.83329	0.85144	0.84225	0.89357	0.87375
2,4,6-Tribromophenol (S)	Averaged	0.16780	0.17338	0.19265	0.19443	0.19231	0.20757

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 10:50

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40137498
 Calibration Date(s): 06/13/2016 06/13/2016 Calibration Time(s): 08:26 10:32

LAB FILE ID

CAL1 = 061316.B\06131610.D CAL2 = 061316.B\06131609.D CAL3 = 061316.B\06131608.D
 CAL4 = 061316.B\06131607.D CAL5 = 061316.B\06131606.D CAL6 = 061316.B\06131605.D
 CAL7 = 061316.B\06131604.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,4-Dioxane (p-Dioxane)	Averaged	0.60546	6.05087			0.61964	
2-Fluorobiphenyl (S)	Averaged	1.31777	4.43829			1.36783	
2-Fluorophenol (S)	Averaged	1.27999	3.34512			1.23940	
Nitrobenzene-d5 (S)	Averaged	0.36829	3.82499			0.35321	
Phenol-d6 (S)	Averaged	1.66044	2.68840			1.61629	
Terphenyl-d14 (S)	Averaged	0.86579	3.63734			0.85115	
2,4,6-Tribromophenol (S)	Averaged	0.20275	7.65873			0.19013	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 10:50

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

8327679ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 03/15/2016 Time: 16:48

Instrument ID: 40MSS1 GC Column: Col 1

Init. Calib. Date(s): 03/15/2016 03/15/2016

Lab File ID: 031516.B\03151609.D

Init. Calib. Time(s): 13:00 23:54

SDG No.: 40137498

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.60263	0.56849	0.0500	-5.6644	50.0000
2-Fluorobiphenyl (S)	Averaged	1.61105	1.48702	0.0500	-7.6983	50.0000
2-Fluorophenol (S)	Averaged	1.25427	1.24243	0.0500	-0.9441	50.0000
Nitrobenzene-d5 (S)	Averaged	0.36641	0.35049	0.0500	-4.3443	50.0000
Phenol-d6 (S)	Averaged	1.51163	1.50009	0.0500	-0.7635	50.0000
Terphenyl-d14 (S)	Averaged	1.02085	0.88326	0.0500	-13.4776	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.20030	0.21548	0.0500	7.5809	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 10:49

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

8877882CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 09/02/2016 Time: 08:06

Instrument ID: 40MSS1 GC Column: Col 1

Init. Calib. Date(s): 03/15/2016 03/15/2016

Lab File ID: 090216.B\09021602.D

Init. Calib. Time(s): 13:00 23:54

SDG No.: 40137498

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.60263	0.68350	0.0500	13.4190	50.0000
2-Fluorobiphenyl (S)	Averaged	1.61105	1.38527	0.0500	-14.0141	50.0000
2-Fluorophenol (S)	Averaged	1.25427	1.50983	0.0500	20.3745	50.0000
Nitrobenzene-d5 (S)	Averaged	0.36641	0.37734	0.0500	2.9843	50.0000
Phenol-d6 (S)	Averaged	1.51163	1.66913	0.0500	10.4191	50.0000
Terphenyl-d14 (S)	Averaged	1.02085	0.98195	0.0500	-3.8107	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.20030	0.17172	0.0500	-14.2691	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 10:49

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

8617321ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 06/13/2016 Time: 10:53

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 06/13/2016 06/13/2016

Lab File ID: 061316.B\06131611.D

Init. Calib. Time(s): 08:26 15:55

SDG No.: 40137498

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.61964	0.61195	0.0500	-1.2408	50.0000
2-Fluorobiphenyl (S)	Averaged	1.36783	1.46233	0.0500	6.9091	50.0000
2-Fluorophenol (S)	Averaged	1.23940	1.19878	0.0500	-3.2773	50.0000
Nitrobenzene-d5 (S)	Averaged	0.35321	0.37236	0.0500	5.4226	50.0000
Phenol-d6 (S)	Averaged	1.61629	1.63796	0.0500	1.3412	50.0000
Terphenyl-d14 (S)	Averaged	0.85115	0.84308	0.0500	-0.9490	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.19013	0.20622	0.0500	8.4614	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 10:49

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

8877554CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 09/02/2016 Time: 07:55

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 06/13/2016 06/13/2016

Lab File ID: 090216.B\09021604.D

Init. Calib. Time(s): 08:26 15:55

SDG No.: 40137498

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.61964	0.66971	0.0500	8.0806	50.0000
2-Fluorobiphenyl (S)	Averaged	1.36783	1.48928	0.0500	8.8789	50.0000
2-Fluorophenol (S)	Averaged	1.23940	1.44308	0.0500	16.4335	50.0000
Nitrobenzene-d5 (S)	Averaged	0.35321	0.38241	0.0500	8.2673	50.0000
Phenol-d6 (S)	Averaged	1.61629	1.75587	0.0500	8.6362	50.0000
Terphenyl-d14 (S)	Averaged	0.85115	0.89693	0.0500	5.3783	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.19013	0.19206	0.0500	1.0141	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/07/2016 10:49

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO IND.
 Sample ID : 8877882CCV Date Analyzed: 09/02/2016
 Instrument ID: 40MSS1 GC Column: Col 1 Time Analyzed: 08:06
 Lab File ID: 090216.B\09021602.D

	AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD	905489	9.61	796600	16.183	625817	5.206	2059115	6.917
UPPER LIMIT	1810978	10.11	1593200	16.683	1251634	5.706	4118230	7.417
LOWER LIMIT	452744.5	9.11	398300	15.683	312908.5	4.706	1029557.5	6.417
LAB SAMPLE ID	SAMPLE NO.							
40137498005	CW-19		618243	9.61	518073	16.172	404635	5.206
40137498011	CW-19 DUP		714930	9.612	508730	16.174	463819	5.208

ANT = Acenaphthene-d10 (IS)
 CRY = Chrysene-d12 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO IND.

Sample ID : 8877882CCV Date Analyzed: 09/02/2016

Instrument ID: 40MSS1 GC Column: Col 1 Time Analyzed: 08:06

Lab File ID: 090216.B\09021602.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		1193992	11.931	639415	18.548
UPPER LIMIT		2387984	12.431	1278830	19.048
LOWER LIMIT		596996	11.431	319707.5	18.048
LAB SAMPLE ID	SAMPLE NO.				
40137498005	CW-19	865633	11.931	382069	18.537
40137498011	CW-19 DUP	956987	11.934	350511	18.539

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO IND.
 Sample ID : 8877554CCV Date Analyzed: 09/02/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 07:55
 Lab File ID: 090216.B\09021604.D

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		248505	6.545	438060	10.627	116969	4.133	466739	5.109
UPPER LIMIT		497010	7.045	876120	11.127	233938	4.633	933478	5.609
LOWER LIMIT		124252.5	6.045	219030	10.127	58484.5	3.633	233369.5	4.609
LAB SAMPLE ID	SAMPLE NO.								
1385256	1385256BLANK	242517	6.544	369854	10.626	112419	4.133	445041	5.109
1385257	1385257LCS	159241	6.539	275198	10.627	76305	4.133	290237	5.109
1385258	1385258LCSD	238291	6.538	390042	10.626	106037	4.133	428348	5.109

ANT = Acenaphthene-d10 (IS)
 CRY = Chrysene-d12 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40137498 Contract: 34283.000 NATIONAL PRESTO IND.

Sample ID : 8877554CCV Date Analyzed: 09/02/2016

Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 07:55

Lab File ID: 090216.B\09021604.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		426990	7.774	379463	13.326
UPPER LIMIT		853980	8.274	758926	13.826
LOWER LIMIT		213495	7.274	189731.5	12.826
LAB SAMPLE ID	SAMPLE NO.				
1385256	1385256BLANK	416909	7.774	320443	13.326
1385257	1385257LCS	260796	7.768	227836	13.321
1385258	1385258LCSD	388579	7.774	327536	13.326

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-19

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND.
Date Received: 08/31/2016 07:30 Matrix: Water SDG No.: 40137498
Date Extracted: 09/01/2016 09:15 Lab Sample ID: 40137498005
Date Analyzed: 09/02/2016 12:56 Lab File ID: 090216.B\09021611.D
Initial wt/vol: 1040 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS1 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.9	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-19 DUP

Lab Name: Pace Analytical - Green Bay
Date Received: 08/31/2016 07:30
Date Extracted: 09/01/2016 09:15
Date Analyzed: 09/02/2016 13:28
Initial wt/vol: 1060 mL Final wt/vol: 1 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40137498
Lab Sample ID: 40137498011
Lab File ID: 090216.B\09021612.D
Instrument: 40MSS1 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: _____
Date Extracted: 09/01/2016 09:15
Date Analyzed: 09/02/2016 10:05
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40137498
Lab Sample ID: 1385256
Lab File ID: 090216.B\09021610.D
Instrument: 40MSS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<3.0	U

September 02, 2016

Dan Milewsky
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 40137498 Gannett Fleming inc.
Pace Project No.: 10361155

Dear Dan Milewsky:

Enclosed are the analytical results for sample(s) received by the laboratory on September 01, 2016. 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.

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

Sincerely,



Amanda Albrecht
amanda.albrecht@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 40137498 Gannett Fleming inc.

Pace Project No.: 10361155

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

525 N 8th Street, Salina, KS 67401

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 40137498 Gannett Fleming inc.

Pace Project No.: 10361155

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40137498001	CW-11	Water	08/30/16 09:30	09/01/16 09:30
40137498002	CW-15	Water	08/30/16 09:35	09/01/16 09:30
40137498003	CW-16	Water	08/30/16 09:25	09/01/16 09:30
40137498004	CW-17	Water	08/30/16 09:50	09/01/16 09:30
40137498005	CW-19	Water	08/30/16 09:32	09/01/16 09:30
40137498006	TOWER A	Water	08/30/16 09:54	09/01/16 09:30
40137498007	TOWER B	Water	08/30/16 09:56	09/01/16 09:30
40137498008	RAW	Water	08/30/16 09:52	09/01/16 09:30
40137498009	PRODUCT	Water	08/30/16 09:00	09/01/16 09:30
40137498010	Trip Blank A	Water	08/30/16 00:00	09/01/16 09:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 40137498 Gannett Fleming inc.

Pace Project No.: 10361155

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40137498001	CW-11	EPA 524.2	DJB	8
40137498002	CW-15	EPA 524.2	DJB	8
40137498003	CW-16	EPA 524.2	DJB	8
40137498004	CW-17	EPA 524.2	DJB	8
40137498005	CW-19	EPA 524.2	DJB	8
40137498006	TOWER A	EPA 524.2	DJB	8
40137498007	TOWER B	EPA 524.2	DJB	8
40137498008	RAW	EPA 524.2	DJB	8
40137498009	PRODUCT	EPA 524.2	DJB	8
40137498010	Trip Blank A	EPA 524.2	DJB	8

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 40137498 Gannett Fleming inc.

Pace Project No.: 10361155

Sample: CW-11 Lab ID: 40137498001 Collected: 08/30/16 09:30 Received: 09/01/16 09:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 03:49	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 03:49	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 03:49	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 03:49	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 03:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		09/02/16 03:49	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 03:49	2037-26-5	
1,2-Dichloroethane-d4 (S)	95	%	75-125		1		09/02/16 03:49	17060-07-0	

Sample: CW-15 Lab ID: 40137498002 Collected: 08/30/16 09:35 Received: 09/01/16 09:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:11	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:11	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:11	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:11	71-55-6	
Trichloroethene	0.19J	ug/L	0.40	0.044	1		09/02/16 04:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	75-125		1		09/02/16 04:11	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 04:11	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 04:11	17060-07-0	

Sample: CW-16 Lab ID: 40137498003 Collected: 08/30/16 09:25 Received: 09/01/16 09:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:33	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:33	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:33	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:33	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 04:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 04:33	460-00-4	
Toluene-d8 (S)	98	%	75-125		1		09/02/16 04:33	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%	75-125		1		09/02/16 04:33	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 40137498 Gannett Fleming inc.

Pace Project No.: 10361155

Sample: CW-17 Lab ID: 40137498004 Collected: 08/30/16 09:50 Received: 09/01/16 09:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:56	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:56	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:56	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:56	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 04:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		09/02/16 04:56	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 04:56	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	75-125		1		09/02/16 04:56	17060-07-0	

Sample: CW-19 Lab ID: 40137498005 Collected: 08/30/16 09:32 Received: 09/01/16 09:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 05:18	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 05:18	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 05:18	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 05:18	71-55-6	
Trichloroethene	2.0	ug/L	0.40	0.044	1		09/02/16 05:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		09/02/16 05:18	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 05:18	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		09/02/16 05:18	17060-07-0	

Sample: TOWER A Lab ID: 40137498006 Collected: 08/30/16 09:54 Received: 09/01/16 09:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 05:40	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 05:40	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 05:40	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 05:40	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 05:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	75-125		1		09/02/16 05:40	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 05:40	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 05:40	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 40137498 Gannett Fleming inc.

Pace Project No.: 10361155

Sample: TOWER B Lab ID: 40137498007 Collected: 08/30/16 09:56 Received: 09/01/16 09:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:02	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:02	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:02	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:02	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 06:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 06:02	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 06:02	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 06:02	17060-07-0	

Sample: RAW Lab ID: 40137498008 Collected: 08/30/16 09:52 Received: 09/01/16 09:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:25	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:25	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:25	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:25	71-55-6	
Trichloroethene	0.94	ug/L	0.40	0.044	1		09/02/16 06:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		09/02/16 06:25	460-00-4	
Toluene-d8 (S)	98	%	75-125		1		09/02/16 06:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%	75-125		1		09/02/16 06:25	17060-07-0	

Sample: PRODUCT Lab ID: 40137498009 Collected: 08/30/16 09:00 Received: 09/01/16 09:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:47	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:47	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:47	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:47	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 06:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 06:47	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 06:47	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 06:47	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 40137498 Gannett Fleming inc.

Pace Project No.: 10361155

Sample: Trip Blank A **Lab ID: 40137498010** Collected: 08/30/16 00:00 Received: 09/01/16 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 02:20	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 02:20	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 02:20	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 02:20	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 02:20	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		09/02/16 02:20	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 02:20	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		09/02/16 02:20	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 40137498 Gannett Fleming inc.
Pace Project No.: 10361155

QC Batch: 433783 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40137498001, 40137498002, 40137498003, 40137498004, 40137498005, 40137498006, 40137498007, 40137498008, 40137498009, 40137498010

METHOD BLANK: 2358855 Matrix: Water
Associated Lab Samples: 40137498001, 40137498002, 40137498003, 40137498004, 40137498005, 40137498006, 40137498007, 40137498008, 40137498009, 40137498010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	0.50	09/02/16 01:57	
1,1-Dichloroethane	ug/L	<0.088	0.50	09/02/16 01:57	
1,1-Dichloroethene	ug/L	<0.089	0.50	09/02/16 01:57	
Tetrachloroethene	ug/L	<0.12	0.50	09/02/16 01:57	
Trichloroethene	ug/L	<0.044	0.40	09/02/16 01:57	
1,2-Dichloroethane-d4 (S)	%	97	75-125	09/02/16 01:57	
4-Bromofluorobenzene (S)	%	104	75-125	09/02/16 01:57	
Toluene-d8 (S)	%	97	75-125	09/02/16 01:57	

LABORATORY CONTROL SAMPLE & LCSD: 2358856 2358857

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.8	21.9	109	109	70-130	0	20	
1,1-Dichloroethane	ug/L	20	20.0	19.4	100	97	70-130	3	20	
1,1-Dichloroethene	ug/L	20	20.5	21.0	102	105	70-130	2	20	
Tetrachloroethene	ug/L	20	21.6	21.3	108	106	70-130	2	20	
Trichloroethene	ug/L	20	21.5	21.6	107	108	70-130	0	20	
1,2-Dichloroethane-d4 (S)	%				93	92	75-125			
4-Bromofluorobenzene (S)	%				100	101	75-125			
Toluene-d8 (S)	%				98	98	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2358858 2358859

Parameter	Units	60226570001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	22.3	23.1	112	115	70-130	3	20	
1,1-Dichloroethane	ug/L	ND	20	20	20.0	20.8	100	104	70-130	4	20	
1,1-Dichloroethene	ug/L	ND	20	20	21.9	23.3	109	116	70-130	6	20	
Tetrachloroethene	ug/L	ND	20	20	21.3	21.6	106	108	70-130	1	20	
Trichloroethene	ug/L	ND	20	20	22.1	22.6	110	113	70-130	2	20	
1,2-Dichloroethane-d4 (S)	%						91	91	75-125			
4-Bromofluorobenzene (S)	%						100	104	75-125			
Toluene-d8 (S)	%						98	97	75-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 40137498 Gannett Fleming inc.

Pace Project No.: 10361155

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 40137498 Gannett Fleming inc.

Pace Project No.: 10361155

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40137498001	CW-11	EPA 524.2	433783		
40137498002	CW-15	EPA 524.2	433783		
40137498003	CW-16	EPA 524.2	433783		
40137498004	CW-17	EPA 524.2	433783		
40137498005	CW-19	EPA 524.2	433783		
40137498006	TOWER A	EPA 524.2	433783		
40137498007	TOWER B	EPA 524.2	433783		
40137498008	RAW	EPA 524.2	433783		
40137498009	PRODUCT	EPA 524.2	433783		
40137498010	Trip Blank A	EPA 524.2	433783		

REPORT OF LABORATORY ANALYSIS

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

Chain of Custody

1036

Workorder: 40137498 **Workorder Name:** 34283.000 NATIONAL PRESTO IND. **Owner Received Date:** 8/31/2016 **Results Requested By:** 9/15/2016

Subcontract To:
 Pace Analytical Minnesota
 1700 Elm Street SE
 Suite 200
 Minneapolis, MN 55414
 Phone (612)607-1700

Report To:
 Dan Milewsky
 Pace Analytical Green Bay
 1241 Bellevue Street
 Suite 9
 Green Bay, WI 54302
 Phone (920)469-2436

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	TOH	Requested Analysis							LAB USE ONLY		
							VOC 524.2 (see list)									
1	CW-11	PS	8/30/2016 09:30	40137498001	Water	3	X									CW1
2	CW-15	PS	8/30/2016 09:35	40137498002	Water	3	X									CW2
3	CW-16	PS	8/30/2016 09:25	40137498003	Water	3	X									CW3
4	CW-17	PS	8/30/2016 09:50	40137498004	Water	3	X									CW4
5	CW-19	PS	8/30/2016 09:32	40137498005	Water	3	X									CW5
6	TOWER A	PS	8/30/2016 09:54	40137498006	Water	3	X									CW6
7	TOWER B	PS	8/30/2016 09:56	40137498007	Water	3	X									CW7
8	RAW	PS	8/30/2016 09:52	40137498008	Water	3	X									CW8
9	PRODUCT	PS	8/30/2016 09:00	40137498009	Water	3	X									CW9
10	Trip Blank A	PS	8/30/2016 00:00	40137498010	Water	2	X									010

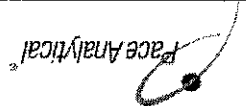
Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1			<i>[Signature]</i>	9/16/2016 9:30
2				
3				

Cooler Temperature on Receipt	5.6 °C	Custody Seal	Y or N	Received on ice	Y or N	Samples Intact	Y or N
--------------------------------------	--------	---------------------	--------	------------------------	--------	-----------------------	--------

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.


This chain of custody is considered complete as is since this information is available in the owner laboratory.

Document Name: Sample Condition Upon Receipt Form	Document No.: F-MN-L-213-rev.17	
Document Revised: 02Aug2016	Page 1 of 2	
Issuing Authority: Pace Minnesota Quality Office		

Sample Condition Upon Receipt

Client Name: Pace Green Bay
 Courier: Commercial Pace Fed Ex UPS USPS Client
 Tracking Number: _____

MO# : 10361155



10361155

Custody Seal on Cooler/Box Present? Yes No
 Packing Material: Bubble Wrap Bubble Bags None Other: _____
 Temp Blank? Yes No

Thermometer 151401163 151401164 888A912167504 888A0143310098
 Used: Wet Blue None Samples on ice, cooling process has begun
 Cooler Temp Read (°C): 5.7
 Cooler Temp Corrected (°C): 5.8
 Biological Tissue Frozen? Yes No N/A
 Temp should be above freezing to 6°C N/A, water sample

USA Regulated Soil N/A, water sample
 Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No
 If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

COMMENTS:

1. Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2. Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3. Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4. Sampler Name and/or Signature on COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5. Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6. Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
7. Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
8. Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9. Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
10. Pace Containers Used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
11. Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12. Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13. Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14. Includes Date/Time/ID/Analysis Matrix: <u>WT</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15. All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16. All containers needing preservation are found to be in compliance with EPA recommendation?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
17. (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH >9 sulfide, NaOH>12 Cyanide) Exceptions: <u>VOA</u> Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
18. Headspace in VOA Vials (>6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
19. Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
20. Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
21. Pace Trip Blank Lot # (if purchased):	

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____
 Field Data Required? Yes No

Comments/Resolution: _____

Project Manager Review: Amanda J. Barrett

Date: 09/01/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 10361155

Organic

GC-MS Volatiles

Surrogate Recovery Summary (Form 2)	1
Laboratory Control Spike/Laboratory Control Spike Duplicate Summary (Form 3)	2
Matrix Spike/Matrix Spike Duplicate Summary (Form 3)	4
Method Blank Association Summary (Form 4)	6
Instrument Performance Check (Form 5)	7
Internal Standard Area & Retention Time Summary (Form 8)	10
Analytical Results with Raw Data (Form 1)	14
Initial Calibration (Form 6)	24
Continuing Calibration (Form 7)	27
Raw Data QC	30
Instrument Run Log	42

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No.: 10361155 Contract: 40137498 Gannett Fleming

Instrument ID: 10MSV6

LAB SAMPLE ID	SAMPLE NAME	12D4	BFB	TOL8
2358855	2358855BLANK	97	104	97
2358856	2358856LCS	93	100	98
2358857	2358857LCSD	92	101	98
40137498001	CW-11	95	100	97
40137498002	CW-15	98	104	96
40137498003	CW-16	97	103	98
40137498004	CW-17	101	101	96
40137498005	CW-19	99	101	96
40137498006	TOWER A	98	99	97
40137498007	TOWER B	98	103	96
40137498008	RAW	97	100	98
40137498009	PRODUCT	98	103	96
40137498010	Trip Blank A	99	102	97

(12D4) = 1,2-Dichloroethane-d4 (S)

(BFB) = 4-Bromofluorobenzene (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

QC LIMITS

(75-125)

(75-125)

(75-125)

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota
 Date Extracted: 09/01/2016
 Instrument: 10MSV6
 Lab File ID: 090116B.B\24536L36848.D

Lab Sample ID: 2358856LCS
 Date Analyzed (1): 09/01/2016
 LCS Lot No: 95572
 SDG No.: 10361155

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	20.0	20.0	100	70-130
1,1-Dichloroethene	20.0	20.5	102	70-130
Tetrachloroethene	20.0	21.6	108	70-130
1,1,1-Trichloroethane	20.0	21.8	109	70-130
Trichloroethene	20.0	21.5	107	70-130

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-2
WATER LABORATORY CONTROL SAMPLE RECOVERY

Instrument ID (2): 10MSV6

Lab Sample ID (2): 2358857LCSD

Date Analyzed 09/01/2016

Lab File ID (2): 090116B.B\24537LD36848.D

COMPOUND	AMOUNT ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1-Dichloroethane	20.0	19.4	97	3	0-20	70-130
1,1-Dichloroethene	20.0	21.0	105	2	0-20	70-130
Tetrachloroethene	20.0	21.3	106	2	0-20	70-130
1,1,1-Trichloroethane	20.0	21.9	109	0	0-20	70-130
Trichloroethene	20.0	21.6	108	0	0-20	70-130

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Minnesota

Matrix Spike - Sample No: 2358858MS

Date Extracted: 09/02/2016

Date Analyzed (1): 09/02/2016

Instrument: 10MSV6

Lab File ID: 090116B.B\24538MS36848.D

Parent Sample ID: 60226570001

SDG No.: 10361155

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	20.0	ND	22.3	112	70-130
1,1-Dichloroethane	20.0	ND	20.0	100	70-130
1,1-Dichloroethene	20.0	ND	21.9	109	70-130
Tetrachloroethene	20.0	ND	21.3	106	70-130
Trichloroethene	20.0	ND	22.1	110	70-130

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-2
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 10MSV6 Matrix Spike Duplicate - Sample No: 2358859MSD
 Lab File ID (2): 090116B.B\24539MSD36848.D Date Analyzed (2): 09/02/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	20.0	23.1	115	3	0-20	70-130
1,1-Dichloroethane	20.0	20.8	104	4	0-20	70-130
1,1-Dichloroethene	20.0	23.3	116	6	0-20	70-130
Tetrachloroethene	20.0	21.6	108	1	0-20	70-130
Trichloroethene	20.0	22.6	113	2	0-20	70-130

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

2358855BLANK

Lab Name: Pace Analytical - Minnesota SDG No.: 10361155 Contract: 40137498 Gannett Fleming
Instrument ID: 10MSV6 Matrix: Water Lab Sample ID: 2358855
Lab File ID: 090116B.B\24543B36848.D Date Analyzed: 09/02/2016 Time: 01:57

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
2358856LCS	2358856	090116B.B\24536L36848.D	09/01/2016 23:21
2358857LCSD	2358857	090116B.B\24537LD36848.D	09/01/2016 23:44
Trip Blank A	40137498010	090116B.B\24544.D	09/02/2016 02:20
CW-11	40137498001	090116B.B\24548.D	09/02/2016 03:49
CW-15	40137498002	090116B.B\24549.D	09/02/2016 04:11
CW-16	40137498003	090116B.B\24550.D	09/02/2016 04:33
CW-17	40137498004	090116B.B\24551.D	09/02/2016 04:56
CW-19	40137498005	090116B.B\24552.D	09/02/2016 05:18
TOWER A	40137498006	090116B.B\24553.D	09/02/2016 05:40
TOWER B	40137498007	090116B.B\24554.D	09/02/2016 06:02
RAW	40137498008	090116B.B\24555.D	09/02/2016 06:25
PRODUCT	40137498009	090116B.B\24556.D	09/02/2016 06:47

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Minnesota SDG No.: 10361155 Contract: 40137498 Gannett Fleming
 Lab File ID: 081816B.BVA012.D BFB Injection Date: 08/18/2016
 Instrument ID: 10MSV6 BFB Injection Time: 16:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	23.54
75	30.00 - 60.00% of mass 95	49.46
95	Mass 95 relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.31 (0.27) ¹
174	50.00 - 150.00% of mass 95	116.20
175	5.00 - 9.00% of mass 174	8.69 (7.48) ¹
176	95.00 - 101.00% of mass 174	115.93 (99.77) ¹
177	5.00 - 9.00% of mass 176	7.12 (6.14) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
15701578CAL1	15701578CAL1	081816B.BVA013.D	08/18/2016	17:18
15701586CAL2	15701586CAL2	081816B.BVA014.D	08/18/2016	17:46
15701580CAL3	15701580CAL3	081816B.BVA015.D	08/18/2016	18:15
15701583CAL4	15701583CAL4	081816B.BVA016.D	08/18/2016	18:44
15701577CAL5	15701577CAL5	081816B.BVA017.D	08/18/2016	19:13
15701585CAL6	15701585CAL6	081816B.BVA018.D	08/18/2016	19:42
15701576CAL7	15701576CAL7	081816B.BVA019.D	08/18/2016	20:11
15701584CAL8	15701584CAL8	081816B.BVA020.D	08/18/2016	20:40
15701582CAL9	15701582CAL9	081816B.BVA021.D	08/18/2016	21:09

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Minnesota SDG No.: 10361155 Contract: 40137498 Gannett Fleming
 Lab File ID: 081816C.BVA024.D BFB Injection Date: 08/18/2016
 Instrument ID: 10MSV6 BFB Injection Time: 22:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	22.17
75	30.00 - 60.00% of mass 95	50.20
95	Mass 95 relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.31
173	Less than 2.00% of mass 174	0.00
174	50.00 - 150.00% of mass 95	112.01
175	5.00 - 9.00% of mass 174	8.60 (7.67) ¹
176	95.00 - 101.00% of mass 174	112.70 (100.62) ¹
177	5.00 - 9.00% of mass 176	7.25 (6.44) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
15701581ICV	15701581ICV	081816C.BVA025.D	08/18/2016	23:04

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Minnesota SDG No.: 10361155 Contract: 40137498 Gannett Fleming
 Lab File ID: 090116B.B\24534.D BFB Injection Date: 09/01/2016
 Instrument ID: 10MSV6 BFB Injection Time: 22:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	22.68
75	30.00 - 60.00% of mass 95	47.28
95	Mass 95 relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.48
173	Less than 2.00% of mass 174	1.12 (0.95) ¹
174	50.00 - 120.00% of mass 95	117.89
175	5.00 - 9.00% of mass 174	8.57 (7.27) ¹
176	95.00 - 101.00% of mass 174	117.82 (99.95) ¹
177	5.00 - 9.00% of mass 176	7.28 (6.18) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
15761029CCV	15761029CCV	090116B.B\24535.D	09/01/2016	22:59
2358856LCS	2358856LCS	090116B.B\24536L36848.D	09/01/2016	23:21
15761024CCV	15761024CCV	090116B.B\24536.D	09/01/2016	23:21
2358857LCSD	2358857LCSD	090116B.B\24537LD36848.D	09/01/2016	23:44
2358855BLANK	2358855BLANK	090116B.B\24543B36848.D	09/02/2016	01:57
Trip Blank A	40137498010	090116B.B\24544.D	09/02/2016	02:20
CW-11	40137498001	090116B.B\24548.D	09/02/2016	03:49
CW-15	40137498002	090116B.B\24549.D	09/02/2016	04:11
CW-16	40137498003	090116B.B\24550.D	09/02/2016	04:33
CW-17	40137498004	090116B.B\24551.D	09/02/2016	04:56
CW-19	40137498005	090116B.B\24552.D	09/02/2016	05:18
TOWER A	40137498006	090116B.B\24553.D	09/02/2016	05:40
TOWER B	40137498007	090116B.B\24554.D	09/02/2016	06:02
RAW	40137498008	090116B.B\24555.D	09/02/2016	06:25
PRODUCT	40137498009	090116B.B\24556.D	09/02/2016	06:47

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10361155 Contract: 40137498 Gannett Fleming inc.

Sample ID : 15761029CCV Date Analyzed: 09/01/2016

Instrument ID: 10MSV6 GC Column: Col 1 Time Analyzed: 22:59

Lab File ID: 090116B.B\24535.D

		AREA 14D8IS	RT	AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT
12 HOUR STD		46645	4.547	286536	5.699	181886	6.949	318132	4.114
UPPER LIMIT		93290	5.047	573072	6.199	363772	7.449	636264	4.614
LOWER LIMIT		23322.5	4.047	143268	5.199	90943	6.449	159066	3.614
LAB SAMPLE ID	SAMPLE NO.								
2358855	2358855BLANK	41564	4.547	303471	5.699	176812	6.949	330263	4.114
2358856	2358856LCS	48409	4.547	301127	5.699	190576	6.949	333801	4.114
2358857	2358857LCSD	49400	4.547	302447	5.699	192228	6.949	329531	4.114
40137498001	CW-11	44435	4.547	300302	5.699	176600	6.949	325069	4.114
40137498002	CW-15	41982	4.547	301921	5.699	174051	6.949	325534	4.114
40137498003	CW-16	37157	4.547	300405	5.699	174815	6.949	327562	4.114
40137498004	CW-17	44479	4.547	300129	5.699	174664	6.949	322663	4.114
40137498005	CW-19	47308	4.547	300479	5.699	174811	6.949	325770	4.114
40137498006	TOWER A	44370	4.547	291103	5.699	169024	6.949	317127	4.114
40137498007	TOWER B	43257	4.547	291071	5.699	167835	6.949	319193	4.114
40137498008	RAW	41600	4.547	292940	5.699	171039	6.949	315887	4.114
40137498009	PRODUCT	44158	4.547	291717	5.699	167586	6.949	313084	4.114
40137498010	Trip Blank A	46157	4.547	302022	5.699	176880	6.949	329179	4.114

14D8IS = 1,4-Dioxane-d8 (IS)
 CBZ = Chlorobenzene-d5 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 DFB = 1,4-Difluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10361155 Contract: 40137498 Gannett Fleming inc.

Sample ID : 15761029CCV Date Analyzed: 09/01/2016

Instrument ID: 10MSV6 GC Column: Col 1 Time Analyzed: 22:59

Lab File ID: 090116B.B\24535.D

		AREA ACETD6IS	RT	AREA PFB	RT
12 HOUR STD		82834	2.121	255817	3.791
UPPER LIMIT		165668	2.621	511634	4.291
LOWER LIMIT		41417	1.621	127908.5	3.291
LAB SAMPLE ID	SAMPLE NO.				
2358855	2358855BLANK	85879	2.121	256373	3.791
2358856	2358856LCS	85975	2.121	264858	3.791
2358857	2358857LCSD	83985	2.121	266215	3.791
40137498001	CW-11	83265	2.121	256085	3.791
40137498002	CW-15	85316	2.121	252610	3.791
40137498003	CW-16	82730	2.121	256056	3.791
40137498004	CW-17	84858	2.121	247400	3.791
40137498005	CW-19	85492	2.121	253637	3.791
40137498006	TOWER A	83216	2.121	246721	3.791
40137498007	TOWER B	78716	2.121	246011	3.791
40137498008	RAW	79203	2.121	248148	3.791
40137498009	PRODUCT	78663	2.121	242907	3.791
40137498010	Trip Blank A	89708	2.121	256648	3.791

ACETD6IS = Acetone-d6 (IS)

PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10361155 Contract: 40137498 Gannett Fleming inc.

Sample ID : 15761024CCV Date Analyzed: 09/01/2016

Instrument ID: 10MSV6 GC Column: Col 1 Time Analyzed: 23:21

Lab File ID: 090116B.B\24536.D

		AREA 14D8IS	RT	AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT
12 HOUR STD		48409	4.547	301127	5.699	190576	6.949	333801	4.114
UPPER LIMIT		96818	5.047	602254	6.199	381152	7.449	667602	4.614
LOWER LIMIT		24204.5	4.047	150563.5	5.199	95288	6.449	166900.5	3.614
LAB SAMPLE ID	SAMPLE NO.								
2358855	2358855BLANK	41564	4.547	303471	5.699	176812	6.949	330263	4.114
2358856	2358856LCS	48409	4.547	301127	5.699	190576	6.949	333801	4.114
2358857	2358857LCSD	49400	4.547	302447	5.699	192228	6.949	329531	4.114
40137498001	CW-11	44435	4.547	300302	5.699	176600	6.949	325069	4.114
40137498002	CW-15	41982	4.547	301921	5.699	174051	6.949	325534	4.114
40137498003	CW-16	37157	4.547	300405	5.699	174815	6.949	327562	4.114
40137498004	CW-17	44479	4.547	300129	5.699	174664	6.949	322663	4.114
40137498005	CW-19	47308	4.547	300479	5.699	174811	6.949	325770	4.114
40137498006	TOWER A	44370	4.547	291103	5.699	169024	6.949	317127	4.114
40137498007	TOWER B	43257	4.547	291071	5.699	167835	6.949	319193	4.114
40137498008	RAW	41600	4.547	292940	5.699	171039	6.949	315887	4.114
40137498009	PRODUCT	44158	4.547	291717	5.699	167586	6.949	313084	4.114
40137498010	Trip Blank A	46157	4.547	302022	5.699	176880	6.949	329179	4.114

14D8IS = 1,4-Dioxane-d8 (IS)

CBZ = Chlorobenzene-d5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

DFB = 1,4-Difluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10361155 Contract: 40137498 Gannett Fleming inc.

Sample ID : 15761024CCV Date Analyzed: 09/01/2016

Instrument ID: 10MSV6 GC Column: Col 1 Time Analyzed: 23:21

Lab File ID: 090116B.B\24536.D

		AREA ACETD6IS	RT	AREA PFB	RT
12 HOUR STD		85975	2.121	264858	3.791
UPPER LIMIT		171950	2.621	529716	4.291
LOWER LIMIT		42987.5	1.621	132429	3.291
LAB SAMPLE ID	SAMPLE NO.				
2358855	2358855BLANK	85879	2.121	256373	3.791
2358856	2358856LCS	85975	2.121	264858	3.791
2358857	2358857LCSD	83985	2.121	266215	3.791
40137498001	CW-11	83265	2.121	256085	3.791
40137498002	CW-15	85316	2.121	252610	3.791
40137498003	CW-16	82730	2.121	256056	3.791
40137498004	CW-17	84858	2.121	247400	3.791
40137498005	CW-19	85492	2.121	253637	3.791
40137498006	TOWER A	83216	2.121	246721	3.791
40137498007	TOWER B	78716	2.121	246011	3.791
40137498008	RAW	79203	2.121	248148	3.791
40137498009	PRODUCT	78663	2.121	242907	3.791
40137498010	Trip Blank A	89708	2.121	256648	3.791

ACETD6IS = Acetone-d6 (IS)

PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-11

Lab Name: Pace Analytical - Minnesota Contract: 40137498 Gannett Fleming inc.
Date Received: 09/01/2016 09:30 Matrix: Water SDG No.: 10361155
Date Extracted: 09/02/2016 03:49 Lab Sample ID: 40137498001
Date Analyzed: 09/02/2016 03:49 Lab File ID: 090116B.B\24548.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-15

Lab Name: Pace Analytical - Minnesota Contract: 40137498 Gannett Fleming inc.
Date Received: 09/01/2016 09:30 Matrix: Water SDG No.: 10361155
Date Extracted: 09/02/2016 04:11 Lab Sample ID: 40137498002
Date Analyzed: 09/02/2016 04:11 Lab File ID: 090116B.B\24549.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	0.19	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-16

Lab Name: Pace Analytical - Minnesota Contract: 40137498 Gannett Fleming inc.
Date Received: 09/01/2016 09:30 Matrix: Water SDG No.: 10361155
Date Extracted: 09/02/2016 04:33 Lab Sample ID: 40137498003
Date Analyzed: 09/02/2016 04:33 Lab File ID: 090116B.B\24550.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-17

Lab Name: Pace Analytical - Minnesota Contract: 40137498 Gannett Fleming inc.
Date Received: 09/01/2016 09:30 Matrix: Water SDG No.: 10361155
Date Extracted: 09/02/2016 04:56 Lab Sample ID: 40137498004
Date Analyzed: 09/02/2016 04:56 Lab File ID: 090116B.B\24551.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-19

Lab Name: Pace Analytical - Minnesota Contract: 40137498 Gannett Fleming inc.
Date Received: 09/01/2016 09:30 Matrix: Water SDG No.: 10361155
Date Extracted: 09/02/2016 05:18 Lab Sample ID: 40137498005
Date Analyzed: 09/02/2016 05:18 Lab File ID: 090116B.B\24552.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	2.0	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TOWER A

Lab Name: Pace Analytical - Minnesota Contract: 40137498 Gannett Fleming inc.
Date Received: 09/01/2016 09:30 Matrix: Water SDG No.: 10361155
Date Extracted: 09/02/2016 05:40 Lab Sample ID: 40137498006
Date Analyzed: 09/02/2016 05:40 Lab File ID: 090116B.B\24553.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TOWER B

Lab Name: Pace Analytical - Minnesota
Date Received: 09/01/2016 09:30
Date Extracted: 09/02/2016 06:02
Date Analyzed: 09/02/2016 06:02
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 40137498 Gannett Fleming inc.
Matrix: Water SDG No.: 10361155
Lab Sample ID: 40137498007
Lab File ID: 090116B.B\24554.D
Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RAW

Lab Name: Pace Analytical - Minnesota Contract: 40137498 Gannett Fleming inc.
Date Received: 09/01/2016 09:30 Matrix: Water SDG No.: 10361155
Date Extracted: 09/02/2016 06:25 Lab Sample ID: 40137498008
Date Analyzed: 09/02/2016 06:25 Lab File ID: 090116B.B\24555.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	0.94	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PRODUCT

Lab Name: Pace Analytical - Minnesota Contract: 40137498 Gannett Fleming inc.
 Date Received: 09/01/2016 09:30 Matrix: Water SDG No.: 10361155
 Date Extracted: 09/02/2016 06:47 Lab Sample ID: 40137498009
 Date Analyzed: 09/02/2016 06:47 Lab File ID: 090116B.B\24556.D
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Trip Blank A

Lab Name: Pace Analytical - Minnesota Contract: 40137498 Gannett Fleming inc.
Date Received: 09/01/2016 09:30 Matrix: Water SDG No.: 10361155
Date Extracted: 09/02/2016 02:20 Lab Sample ID: 40137498010
Date Analyzed: 09/02/2016 02:20 Lab File ID: 090116B.B\24544.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10MSV6 GC Column: Col 1 SDG No.: 10361155
 Calibration Date(s): 08/18/2016 08/18/2016 Calibration Time(s): 17:18 21:09

LAB FILE ID

CAL1 = 081816B.BVA013.D CAL2 = 081816B.BVA014.D CAL3 = 081816B.BVA015.D
 CAL4 = 081816B.BVA016.D CAL5 = 081816B.BVA017.D CAL6 = 081816B.BVA018.D
 CAL7 = 081816B.BVA019.D CAL8 = 081816B.BVA020.D CAL9 = 081816B.BVA021.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,1-Dichloroethane	Averaged		1.68515	1.68498	1.48602	1.65008	1.57724
1,1-Dichloroethene	Averaged	0.59016	0.81475	0.64020	0.63327	0.67482	0.65401
Tetrachloroethene	Averaged	0.94360	0.96472	0.93230	0.99083	1.11617	1.13264
1,1,1-Trichloroethane	Averaged		1.15141	1.17034	1.19597	1.31633	1.32327
Trichloroethene	Averaged		0.70076	0.64631	0.63167	0.70734	0.68727
4-Bromofluorobenzene (S)	Averaged	0.82899	0.84411	0.82123	0.84874	0.85047	0.84402
1,2-Dichloroethane-d4 (S)	Averaged	0.52555	0.53146	0.53808	0.51668	0.49480	0.48471
Toluene-d8 (S)	Averaged	1.32476	1.32910	1.34775	1.34718	1.35867	1.37184

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10MSV6 GC Column: Col 1 SDG No.: 10361155
 Calibration Date(s): 08/18/2016 08/18/2016 Calibration Time(s): 17:18 21:09

LAB FILE ID

CAL1 = 081816B.BVA013.D CAL2 = 081816B.BVA014.D CAL3 = 081816B.BVA015.D
 CAL4 = 081816B.BVA016.D CAL5 = 081816B.BVA017.D CAL6 = 081816B.BVA018.D
 CAL7 = 081816B.BVA019.D CAL8 = 081816B.BVA020.D CAL9 = 081816B.BVA021.D

COMPOUND	CURVE TYPE	CAL7	CAL8	CAL9
1,1-Dichloroethane	Averaged	1.53749	1.54746	1.58242
1,1-Dichloroethene	Averaged	0.66045	0.66044	0.64219
Tetrachloroethene	Averaged	1.06253	1.06714	1.04872
1,1,1-Trichloroethane	Averaged	1.27828	1.29766	1.32138
Trichloroethene	Averaged	0.68094	0.69332	0.70233
4-Bromofluorobenzene (S)	Averaged	0.85103	0.84131	0.85884
1,2-Dichloroethane-d4 (S)	Averaged	0.48154	0.49870	0.51569
Toluene-d8 (S)	Averaged	1.32398	1.32399	1.28957

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10MSV6 GC Column: Col 1 SDG No.: 10361155
 Calibration Date(s): 08/18/2016 08/18/2016 Calibration Time(s): 17:18 21:09

LAB FILE ID

CAL1 = 081816B.BVA013.D CAL2 = 081816B.BVA014.D CAL3 = 081816B.BVA015.D
 CAL4 = 081816B.BVA016.D CAL5 = 081816B.BVA017.D CAL6 = 081816B.BVA018.D
 CAL7 = 081816B.BVA019.D CAL8 = 081816B.BVA020.D CAL9 = 081816B.BVA021.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
1,1-Dichloroethane	Averaged	4.57161			1.59386	
1,1-Dichloroethene	Averaged	9.29290			0.66337	
Tetrachloroethene	Averaged	7.17116			1.02874	
1,1,1-Trichloroethane	Averaged	5.74909			1.25683	
Trichloroethene	Averaged	4.06444			0.68124	
4-Bromofluorobenzene (S)	Averaged	1.37743			0.84319	
1,2-Dichloroethane-d4 (S)	Averaged	4.03022			0.50969	
Toluene-d8 (S)	Averaged	1.81028			1.33520	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

15701581ICV

Lab Name: Pace Analytical - Minnesota Calibration Date: 08/18/2016 Time: 23:04
 Instrument ID: 10MSV6 GC Column: Col 1 Init. Calib. Date(s): 08/18/2016 08/18/2016
 Lab File ID: 081816C.BVA025.D Init. Calib. Time(s): 17:18 21:09
 SDG No.: 10361155

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.59386	1.42338	0.2000	-10.6959	20.0000
1,1-Dichloroethene	Averaged	0.66337	0.61410	0.1000	-7.4272	20.0000
Tetrachloroethene	Averaged	1.02874	1.00436	0.2000	-2.3693	20.0000
1,1,1-Trichloroethane	Averaged	1.25683	1.22379	0.1000	-2.6286	20.0000
Trichloroethene	Averaged	0.68124	0.68253	0.2000	0.1885	20.0000
4-Bromofluorobenzene (S)	Averaged	0.84319	0.84002	0.2000	-0.3767	30.0000
1,2-Dichloroethane-d4 (S)	Averaged	0.50969	0.48052	0.2000	-5.7236	30.0000
Toluene-d8 (S)	Averaged	1.33520	1.33213	0.2000	-0.2303	30.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

15761029CCV

Lab Name: Pace Analytical - Minnesota Calibration Date: 09/01/2016 Time: 22:59
 Instrument ID: 10MSV6 GC Column: Col 1 Init. Calib. Date(s): 08/18/2016 08/18/2016
 Lab File ID: 090116B.B\24535.D Init. Calib. Time(s): 17:18 21:09
 SDG No.: 10361155

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.59386	0.81224	0.2000	1.9215	20.0000
1,1-Dichloroethene	Averaged	0.66337	0.35310	0.1000	6.4581	20.0000
Tetrachloroethene	Averaged	1.02874	0.56238	0.2000	9.3342	20.0000
1,1,1-Trichloroethane	Averaged	1.25683	0.70335	0.1000	11.9251	20.0000
Trichloroethene	Averaged	0.68124	0.37425	0.2000	9.8720	20.0000
4-Bromofluorobenzene (S)	Averaged	0.84319	0.83937	0.2000	-0.4537	30.0000
1,2-Dichloroethane-d4 (S)	Averaged	0.50969	0.48823	0.2000	-4.2097	30.0000
Toluene-d8 (S)	Averaged	1.33520	1.32933	0.2000	-0.4402	30.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

15761024CCV

Lab Name: Pace Analytical - Minnesota Calibration Date: 09/01/2016 Time: 23:21
 Instrument ID: 10MSV6 GC Column: Col 1 Init. Calib. Date(s): 08/18/2016 08/18/2016
 Lab File ID: 090116B.B\24536.D Init. Calib. Time(s): 17:18 21:09
 SDG No.: 10361155

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.59386	1.59709	0.2000	0.2030	20.0000
1,1-Dichloroethene	Averaged	0.66337	0.67957	0.1000	2.4428	20.0000
Tetrachloroethene	Averaged	1.02874	1.11206	0.2000	8.0998	20.0000
1,1,1-Trichloroethane	Averaged	1.25683	1.37130	0.1000	9.1079	20.0000
Trichloroethene	Averaged	0.68124	0.73145	0.2000	7.3706	20.0000
4-Bromofluorobenzene (S)	Averaged	0.84319	0.83916	0.2000	-0.4786	30.0000
1,2-Dichloroethane-d4 (S)	Averaged	0.50969	0.47183	0.2000	-7.4284	30.0000
Toluene-d8 (S)	Averaged	1.33520	1.30728	0.2000	-2.0912	30.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Date : 18-AUG-2016 16:49

Client ID: BFB

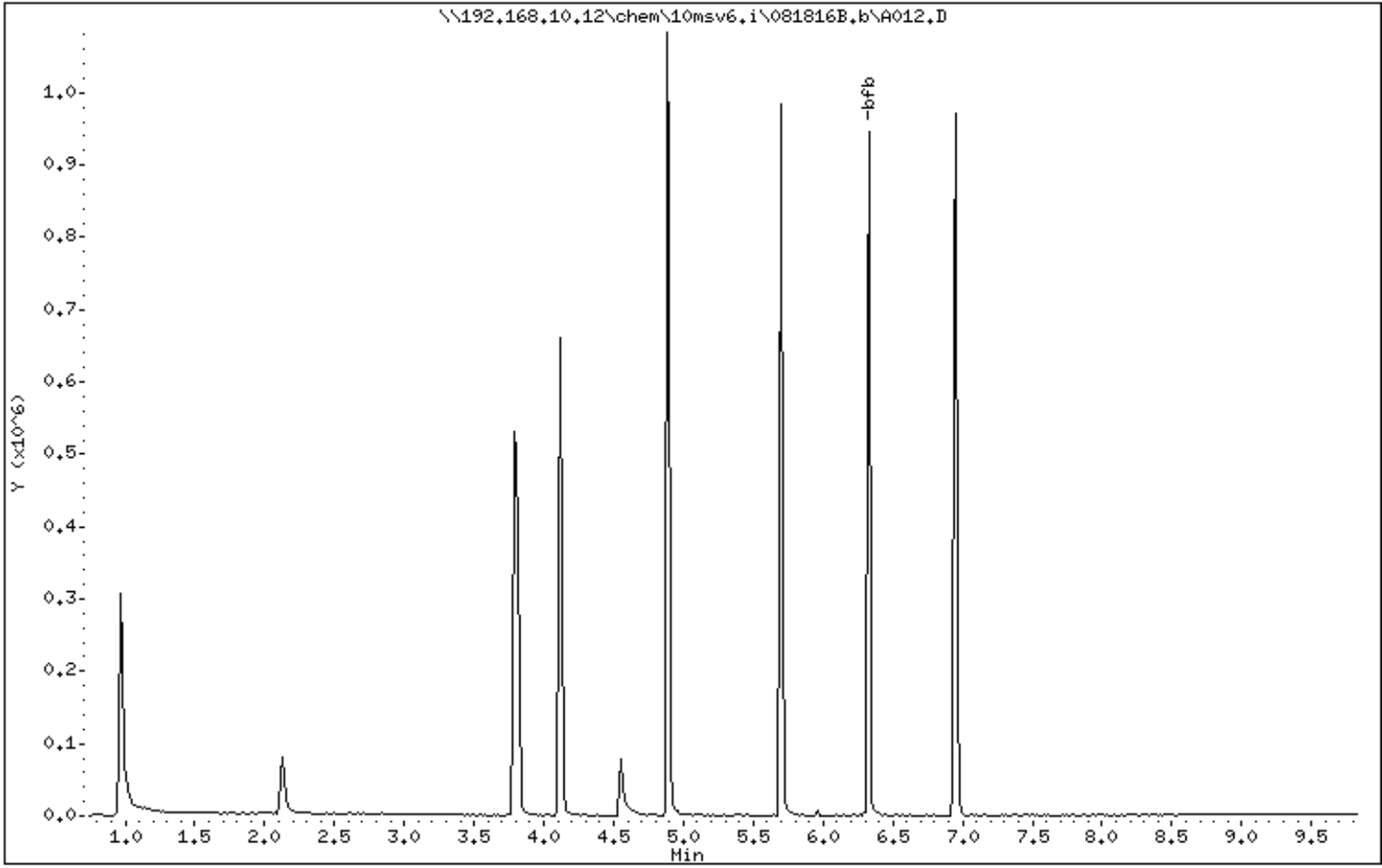
Instrument: 10msv6.i

Sample Info: TUNE,49524;1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25



Date : 18-AUG-2016 16:49

Client ID: BFB

Instrument: 10msv6.i

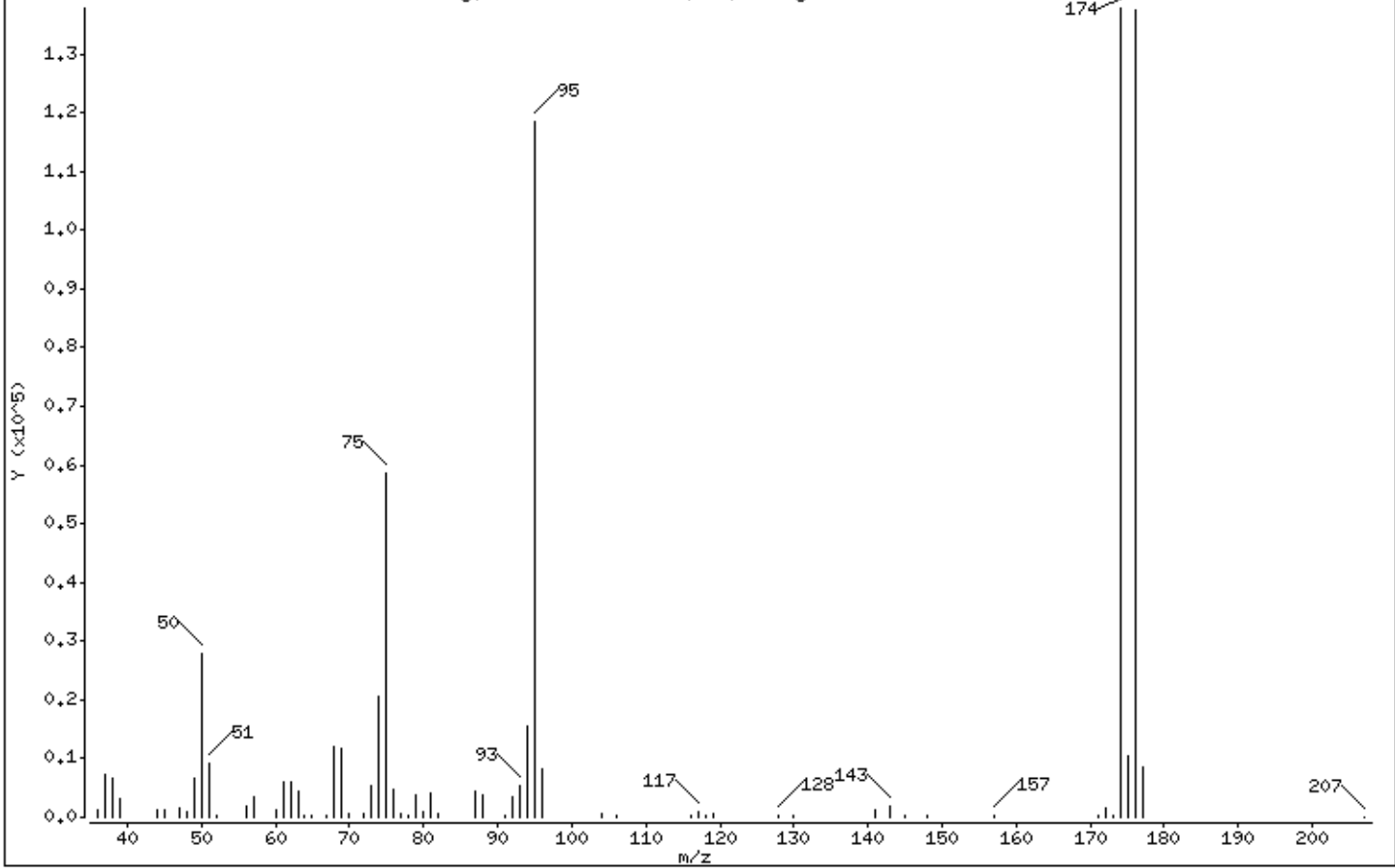
Sample Info: TUNE,49524;1

Operator: DJB

Column phase: Restek Rtx-VMS
1 bfb

Column diameter: 0,25

Avg. Scans 916-918 (6,33), Background Scan 912



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	23,54
75	30,00 - 60,00% of mass 95	49,46
96	5,00 - 9,00% of mass 95	6,86
173	Less than 2,00% of mass 174	0,31 (0,27)
174	50,00 - 150,00% of mass 95	116,20
175	5,00 - 9,00% of mass 174	8,69 (7,48)
176	95,00 - 101,00% of mass 174	115,93 (99,77)
177	5,00 - 9,00% of mass 176	7,12 (6,14)

Date : 18-AUG-2016 16:49

Client ID: BFB

Instrument: 10msv6.i

Sample Info: TUNE,49524;1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0.25

Data File: A012.D
 Spectrum: Avg. Scans 916-918 (6.33), Background Scan 912
 Location of Maximum: 174.00
 Number of points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1338	63.00	4377	82.00	731	141.00	1419
37.00	7261	64.00	475	87.00	4418	143.00	1922
38.00	6737	65.00	455	88.00	3884	145.00	166
39.00	3247	67.00	257	91.00	207	148.00	180
44.00	1271	68.00	12118	92.00	3391	157.00	218
45.00	1213	69.00	11687	93.00	5401	171.00	184
47.00	1711	70.00	751	94.00	15508	172.00	1629
48.00	973	72.00	478	95.00	118584	173.00	371
49.00	6514	73.00	5258	96.00	8140	174.00	137792
50.00	27912	74.00	20592	104.00	486	175.00	10302
51.00	9047	75.00	58648	106.00	191	176.00	137472
52.00	361	76.00	4748	116.00	198	177.00	8446
56.00	1993	77.00	679	117.00	865	207.00	89
57.00	3610	78.00	205	118.00	213		
60.00	1382	79.00	3826	119.00	503		
61.00	5965	80.00	849	128.00	178		
62.00	5940	81.00	3993	130.00	178		

Date : 18-AUG-2016 22:35

Client ID: BFB

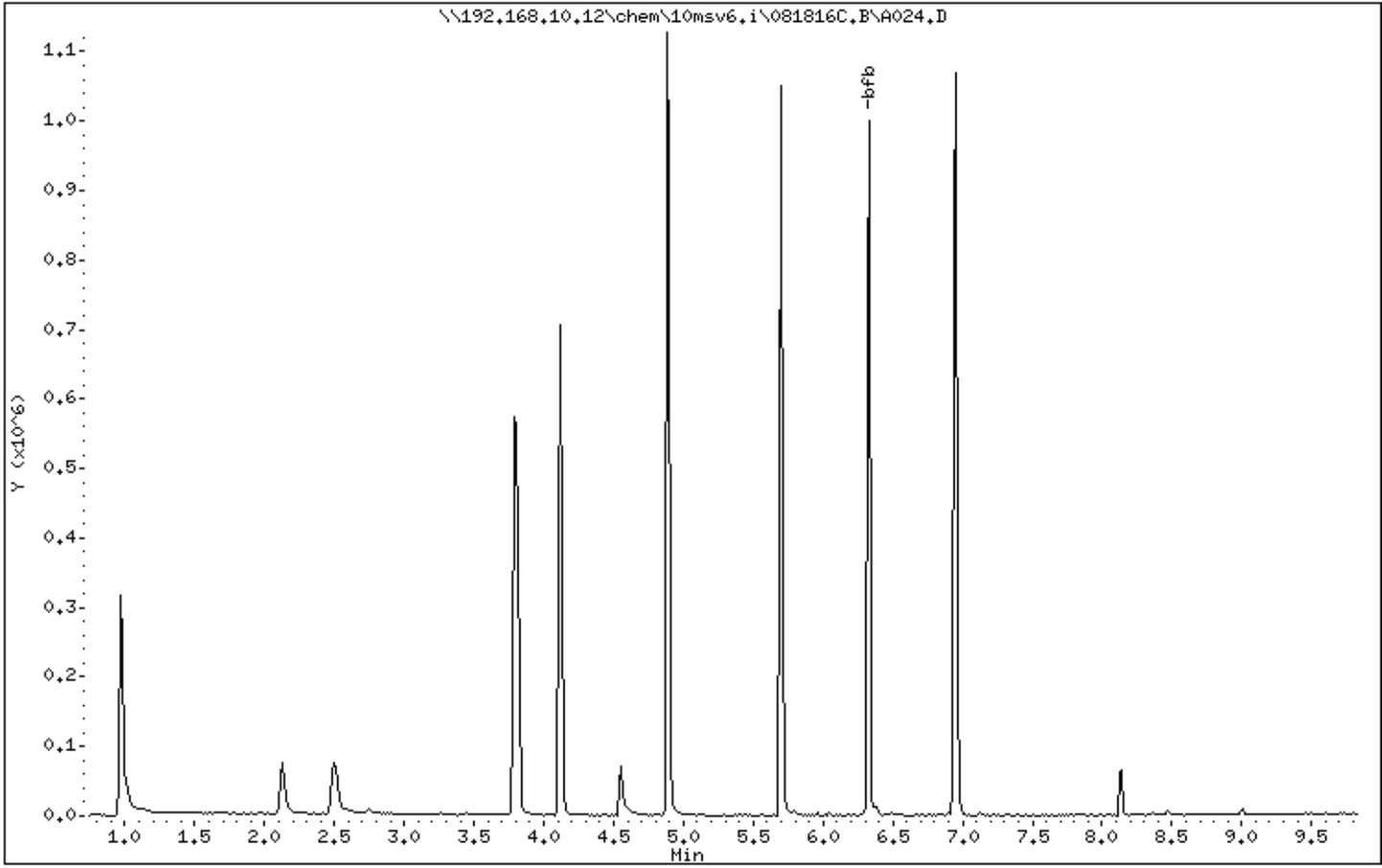
Instrument: 10msv6.i

Sample Info: TUNE,89650;1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25



Date : 18-AUG-2016 22:35

Client ID: BFB

Instrument: 10msv6.i

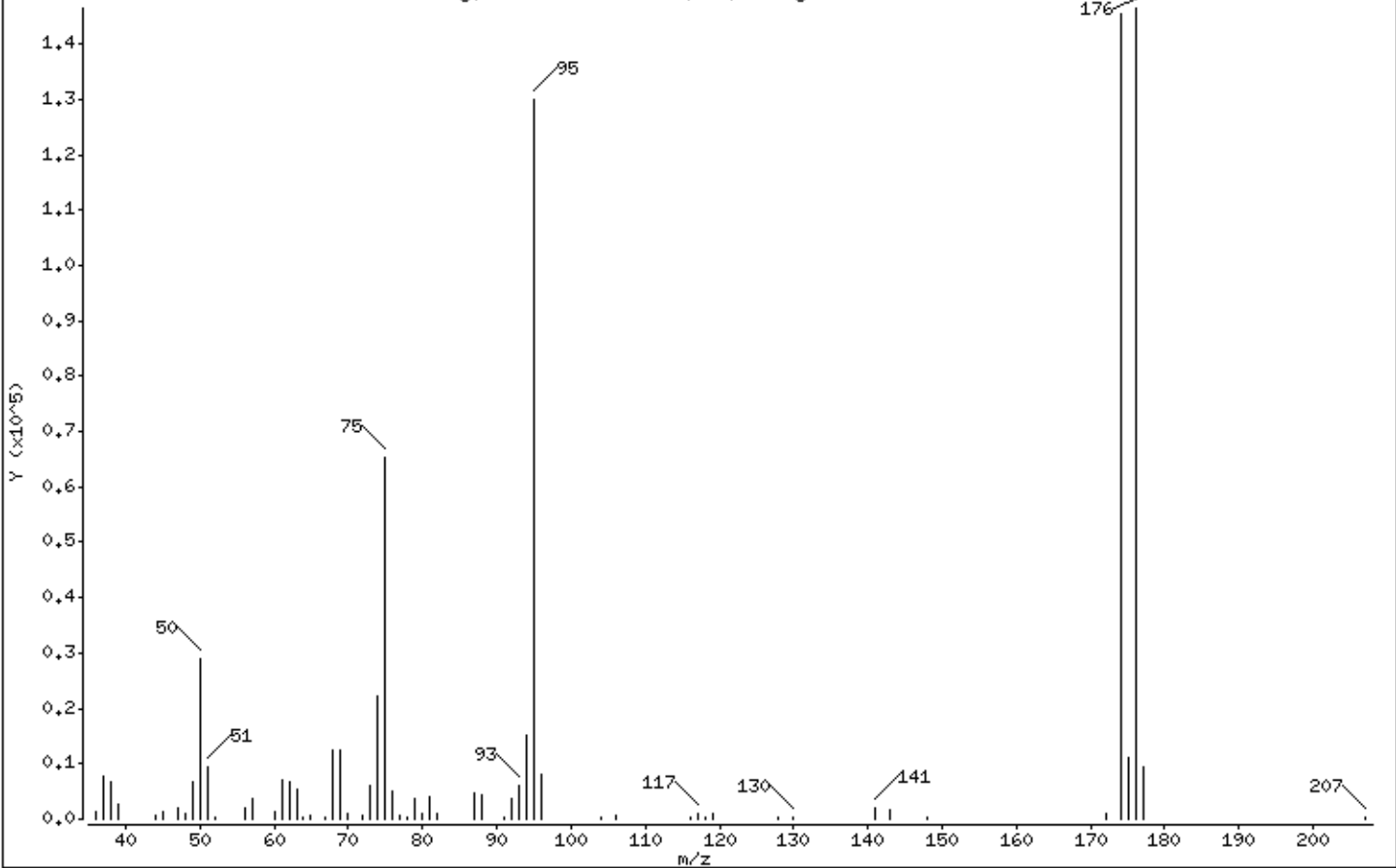
Sample Info: TUNE,89650;1

Operator: DJB

Column phase: Restek Rtx-VMS
1 bfb

Column diameter: 0,25

Avg. Scans 916-918 (6,33), Background Scan 912



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	22,17
75	30,00 - 60,00% of mass 95	50,20
96	5,00 - 9,00% of mass 95	6,31
173	Less than 2,00% of mass 174	0,00 (0,00)
174	50,00 - 150,00% of mass 95	112,01
175	5,00 - 9,00% of mass 174	8,60 (7,67)
176	95,00 - 101,00% of mass 174	112,70 (100,62)
177	5,00 - 9,00% of mass 176	7,25 (6,44)

Date : 18-AUG-2016 22:35

Client ID: BFB

Instrument: 10msv6.i

Sample Info: TUNE,89650;1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0.25

Data File: A024.D

Spectrum: Avg. Scans 916-918 (6.33), Background Scan 912

Location of Maximum: 176.00

Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1308	62.00	6573	80.00	1036	119.00	927
37.00	7688	63.00	5222	81.00	4204	128.00	263
38.00	6736	64.00	383	82.00	908	130.00	438
39.00	2800	65.00	506	87.00	4841	141.00	1946
44.00	737	67.00	186	88.00	4305	143.00	1774
45.00	1316	68.00	12541	91.00	373	148.00	216
47.00	1965	69.00	12376	92.00	3757	172.00	1121
48.00	938	70.00	1021	93.00	6202	174.00	145536
49.00	6704	72.00	564	94.00	15234	175.00	11168
50.00	28808	73.00	6166	95.00	129936	176.00	146432
51.00	9442	74.00	22104	96.00	8202	177.00	9423
52.00	173	75.00	65232	104.00	444	207.00	220
56.00	1967	76.00	5075	106.00	506		
57.00	3678	77.00	564	116.00	266		
60.00	1242	78.00	414	117.00	971		
61.00	6926	79.00	3865	118.00	389		

Date : 01-SEP-2016 22:37

Client ID: BFB

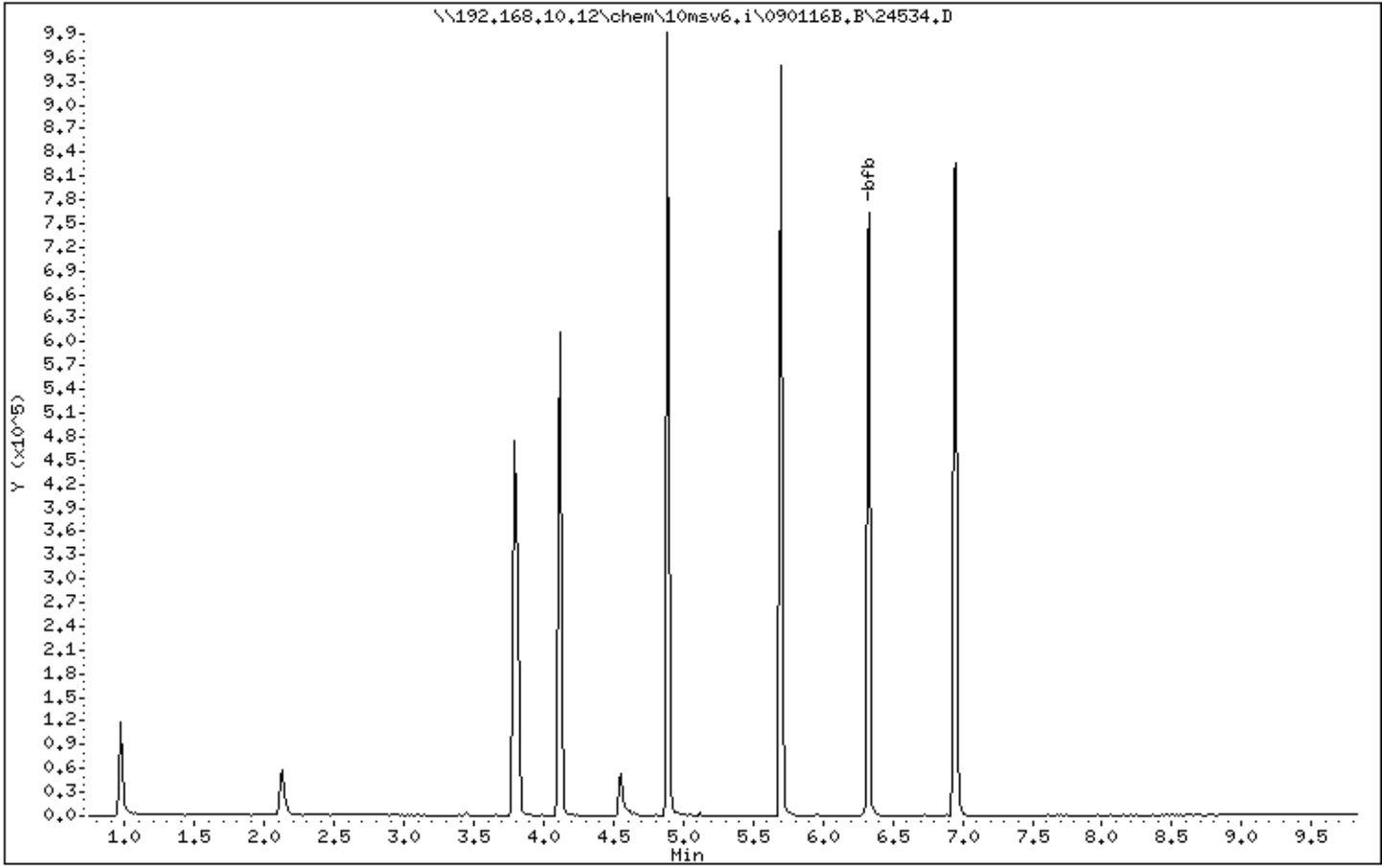
Instrument: 10msv6.i

Sample Info: TUNE,97255;1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25



Date : 01-SEP-2016 22:37

Client ID: BFB

Instrument: 10msv6.i

Sample Info: TUNE,97255;1

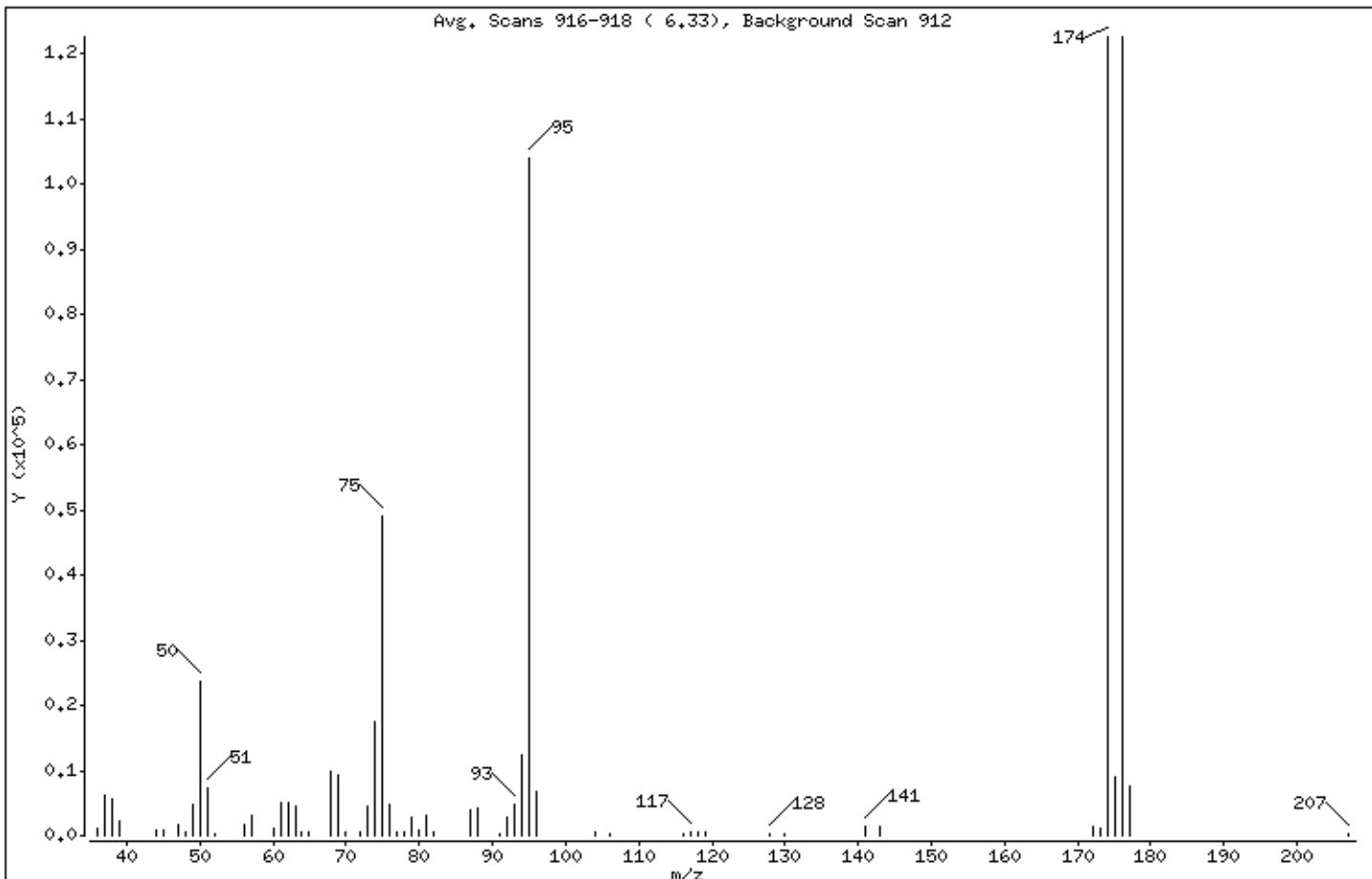
Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25

1 bfb

Avg. Scans 916-918 (6,33), Background Scan 912



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	22,68
75	30,00 - 60,00% of mass 95	47,28
96	5,00 - 9,00% of mass 95	6,48
173	Less than 2,00% of mass 174	1,12 (0,95)
174	50,00 - 120,00% of mass 95	117,89
175	5,00 - 9,00% of mass 174	8,57 (7,27)
176	95,00 - 101,00% of mass 174	117,82 (99,95)
177	5,00 - 9,00% of mass 176	7,28 (6,18)

Date : 01-SEP-2016 22:37

Client ID: BFB

Instrument: 10msv6.i

Sample Info: TUNE,97255:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25

Data File: 24534.D
 Spectrum: Avg. Scans 916-918 (6,33), Background Scan 912
 Location of Maximum: 174,00
 Number of points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36,00	1209	61,00	4966	79,00	2898	117,00	696
37,00	6153	62,00	5115	80,00	866	118,00	438
38,00	5522	63,00	4467	81,00	3148	119,00	690
39,00	2284	64,00	508	82,00	544	128,00	276
44,00	943	65,00	660	87,00	4056	130,00	210
45,00	795	68,00	9771	88,00	4156	141,00	1291
47,00	1670	69,00	9315	91,00	361	143,00	1276
48,00	628	70,00	621	92,00	2897	172,00	1303
49,00	4826	72,00	485	93,00	4674	173,00	1162
50,00	23576	73,00	4385	94,00	12359	174,00	122536
51,00	7406	74,00	17424	95,00	103944	175,00	8909
52,00	173	75,00	49144	96,00	6732	176,00	122472
56,00	1677	76,00	4687	104,00	459	177,00	7570
57,00	3083	77,00	522	106,00	200	207,00	168
60,00	1031	78,00	441	116,00	413		

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Minnesota Contract: 40137498 Gannett Fleming inc.
Date Received: _____ Matrix: Water SDG No.: 10361155
Date Extracted: 09/02/2016 01:57 Lab Sample ID: 2358855
Date Analyzed: 09/02/2016 01:57 Lab File ID: 090116B.B\24543B36848.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Minnesota
Date Received: _____
Date Extracted: 09/01/2016 23:21
Date Analyzed: 09/01/2016 23:21
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 40137498 Gannett Fleming inc.
Matrix: Water SDG No.: 10361155
Lab Sample ID: 2358856
Lab File ID: 090116B.B\24536L36848.D
Instrument: 10MSV6 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	20.0	
75-35-4	1,1-Dichloroethene	20.5	
127-18-4	Tetrachloroethene	21.6	
71-55-6	1,1,1-Trichloroethane	21.8	
79-01-6	Trichloroethene	21.5	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD

Lab Name: Pace Analytical - Minnesota
Date Received: _____
Date Extracted: 09/01/2016 23:44
Date Analyzed: 09/01/2016 23:44
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 40137498 Gannett Fleming inc.
Matrix: Water SDG No.: 10361155
Lab Sample ID: 2358857
Lab File ID: 090116B.B\24537LD36848.D
Instrument: 10MSV6 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	19.4	
75-35-4	1,1-Dichloroethene	21.0	
127-18-4	Tetrachloroethene	21.3	
71-55-6	1,1,1-Trichloroethane	21.9	
79-01-6	Trichloroethene	21.6	

Instrument Run Log

Instrument: 10MSV6
 Column: Rtx-VMS 0.18mm

Method: 8260B, 624, 524.2
 Tune Standard: 89650 BFB

Misc. Prep. Info:
 ISTD Lot: 89650:5exp09.22.16

Surrogate Lot: 89650:5exp09.22.16
 Cal. Standard: 93969, 94793

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date & Time	Oper.	Comments
A012.D	TUNE,49524:1	L/	Tune	1	> 2	VOA-624BFB-TUNE	8/18/16 16:49	DJB	passing tune
A013.D	CAL1	L/36672	Ical	1	> 2	V616-36672	8/18/16 17:18	DJB	passing ICAL
A014.D	CAL2	L/36672	Ical	1	> 2	V616-36672	8/18/16 17:46	DJB	passing ICAL
A015.D	CAL3	L/36672	Ical	1	> 2	V616-36672	8/18/16 18:15	DJB	passing ICAL
A016.D	CAL4	L/36672	Ical	1	> 2	V616-36672	8/18/16 18:44	DJB	passing ICAL
A017.D	CAL5	L/36672	Ical	1	> 2	V616-36672	8/18/16 19:13	DJB	passing ICAL
A018.D	CAL6	L/36672	Ical	1	> 2	V616-36672	8/18/16 19:42	DJB	passing ICAL
A019.D	CAL7	L/36672	Ical	1	> 2	V616-36672	8/18/16 20:11	DJB	passing ICAL
A020.D	CAL8	L/36672	Ical	1	> 2	V616-36672	8/18/16 20:40	DJB	passing ICAL
A021.D	CAL9	L/36672	Ical	1	> 2	V616-36672	8/18/16 21:09	DJB	passing ICAL

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	x No maintenance performed today

Additional Comments: v616-36672.m

File Path 1: U:\10MSV6.I\081816B.B\
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified: DJB 8/19/16

Report Date: 08/19/2016 09:33
 Reviewed By/Date:

Instrument Run Log

 Instrument: 10MSV6
 Column: Rtx-VMS 0.18mm

 Method: 8260B
 Tune Standard: 89650 BFB

 Misc. Prep. Info:
 ISTD Lot: 89650:5exp09.22.16

 Surrogate Lot: 89650:5exp09.22.16
 Cal. Standard: 93969, 94793

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date & Time	Oper.	Comments
A024.D	TUNE,49524:1	L/	Tune	1	> 2	VOA-624BFB-TUNE	8/18/16 22:35	DJB	passing tune
A025L.D	2346281	L/36671	LCS	1	> 2	V616-36672	8/18/16 23:04	DJB	ok, lcs
A025.D	ICV	L/36672	CCal	1	> 2	V616-36672	8/18/16 23:04	DJB	ok, ccv
A026.D	2346282	L/36671	LCSD	1	> 2	V616-36672	8/18/16 23:32	DJB	ok, lcsd
A027.D	2346946	L/36671	MS	1	<= 2	V616-36672	8/19/16 00:01	DJB	ok, ms
A028.D	PBLK	L/	Sample	1	> 2	V616-36672	8/19/16 00:30	DJB	dne
A029.D	PBLK	L/	Sample	1	> 2	V616-36672	8/19/16 00:59	DJB	'
A030.D	PBLK	L/	Sample	1	> 2	V616-36672	8/19/16 01:27	DJB	'
A031.D	PBLK	L/	Sample	1	> 2	V616-36672	8/19/16 01:56	DJB	'
A032.D	2346280	L/36671	Blank	1	> 2	V616-36672	8/19/16 02:25	DJB	ok, blank
A033.D	10359192001	L/36671	Sample	1	<= 2	V616-36672	8/19/16 02:53	DJB	ok, tb
A034.D	10359192002	L/36671	Sample	1	<= 2	V616-36672	8/19/16 03:22	DJB	ok, msp
A035.D	10359192007	L/36671	Sample	1	<= 2	V616-36672	8/19/16 03:50	DJB	ok, dup p
A036.D	2346947	L/36671	Duplicate	1	<= 2	V616-36672	8/19/16 04:19	DJB	ok, dup
A037.D	10359192010	L/36671	Sample	1	<= 2	V616-36672	8/19/16 04:47	DJB	ok
A038.D	10359192011	L/36671	Sample	1	<= 2	V616-36672	8/19/16 05:15	DJB	ok
A039.D	10359192013	L/36671	Sample	1	<= 2	V616-36672	8/19/16 05:44	DJB	ok
A040.D	10359192006	L/36671	Sample	1	<= 2	V616-36672	8/19/16 06:12	DJB	ok
A041.D	10359192012	L/36671	Sample	1	<= 2	V616-36672	8/19/16 06:41	DJB	ok
A042.D	10359192022	L/36671	Sample	1	<= 2	V616-36672	8/19/16 07:09	DJB	ok
A043.D	10359192009	L/36671	Sample	5	<= 2	V616-36672	8/19/16 07:38	DJB	o/d rr 2x
A044.D	10359192017	L/36671	Sample	10	<= 2	V616-36672	8/19/16 08:06	DJB	ok
A045.D	10359192004	L/36671	Sample	20	<= 2	V616-36672	8/19/16 08:34	DJB	ok
A046.D	10359192018	L/36671	Sample	25	<= 2	V616-36672	8/19/16 09:03	DJB	ok
A047.D	PBLK	L/	Sample	1	> 2	V616-36672	8/19/16 09:31	DJB	dne

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	x No maintenance performed today

Additional Comments: 36671.431392

 File Path 1: U:\10MSV6.I\081816C.B\

 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified: DJB 8/22/16

 Report Date: 08/22/2016 12:46

 Reviewed By/Date:



Instrument Run Log

Instrument: 10MSV6
 Column: Rtx-VMS 0.18mm

Method: 8260B 524.2
 Tune Standard: 89650 BFB

Misc. Prep. Info:
 ISTD Lot: 89650:5exp09.22.16

Surrogate Lot: 89650:5exp09.22.16
 Cal. Standard: 95572, 96240

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date & Time	Oper.	Comments
24534.D	TUNE_49524:1	L/	Tune	1	> 2	VOA-624BFB-TUNE	9/01/16 22:37	DJB	passing tune
24535.D	CCV	L/	Ccal	1	> 2	V616-36672	9/01/16 22:59	DJB	ok, ccv, v10
24536.D	CCV	L/	Ccal	1	> 2	V616-36672	9/01/16 23:21	DJB	ok, ccv, v20
24536L36850.D	2358867	L/36850	LCS	1	> 2	V616-36672	9/01/16 23:21	DJB	ok, lcs
24536L36848.D	2358856	L/36848	LCS	1	> 2	V616-36672	9/01/16 23:21	DJB	ok, lcs
24537LD36848	2358857	L/36848	LCSD	1	> 2	V616-36672	9/01/16 23:44	DJB	ok, lcsd
24538MS36850	2359052	L/36850	MS	1	<= 2	V616-36672	9/02/16 00:06	DJB	ok, ms
24538MS36848	2358858	L/36848	MS	1	<= 2	V616-36672	9/02/16 00:06	DJB	ok, ms
24539MSD36848	2358859	L/36848	MSD	1	<= 2	V616-36672	9/02/16 00:28	DJB	ok, msd
24539MSD36850	2359053	L/36850	MSD	1	<= 2	V616-36672	9/02/16 00:28	DJB	ok, msd
24540.D	PBLK	L/	Sample	1	> 2	V616-36672	9/02/16 00:51	DJB	dne
24541.D	PBLK	L/	Sample	1	> 2	V616-36672	9/02/16 01:13	DJB	.
24542.D	PBLK	L/	Sample	1	> 2	V616-36672	9/02/16 01:35	DJB	.
24543B36850.D	2358866	L/36850	Blank	1	> 2	V616-36672	9/02/16 01:57	DJB	ok, blank
24543B36848.D	2358855	L/36848	Blank	1	> 2	V616-36672	9/02/16 01:57	DJB	ok, blank
24544.D	40137498010	L/36848	Sample	1	<= 2	V616-36672	9/02/16 02:20	DJB	ok, tb
24545.D	10360540003	L/36850	Sample	1	<= 2	V616-36672	9/02/16 02:42	DJB	ok, tb
24546OQS36848	26570001	L/36848	Sample	1	<= 2	V616-36672	9/02/16 03:04	DJB	ok, oqs
24546OQS36850	261190001	L/36850	Sample	1	<= 2	V616-36672	9/02/16 03:04	DJB	ok, oqs
24547.D	10361122034	L/36848	Sample	1	<= 2	V616-36672	9/02/16 03:26	DJB	ok
24548.D	40137498001	L/36848	Sample	1	<= 2	V616-36672	9/02/16 03:49	DJB	ok
24549.D	40137498002	L/36848	Sample	1	<= 2	V616-36672	9/02/16 04:11	DJB	ok
24550.D	40137498003	L/36848	Sample	1	<= 2	V616-36672	9/02/16 04:33	DJB	ok
24551.D	40137498004	L/36848	Sample	1	<= 2	V616-36672	9/02/16 04:56	DJB	ok
24552.D	40137498005	L/36848	Sample	1	<= 2	V616-36672	9/02/16 05:18	DJB	ok
24553.D	40137498006	L/36848	Sample	1	<= 2	V616-36672	9/02/16 05:40	DJB	ok
24554.D	40137498007	L/36848	Sample	1	<= 2	V616-36672	9/02/16 06:02	DJB	ok
24555.D	40137498008	L/36848	Sample	1	<= 2	V616-36672	9/02/16 06:25	DJB	ok
24556.D	40137498009	L/36848	Sample	1	<= 2	V616-36672	9/02/16 06:47	DJB	ok
24557.D	10361004002	L/36848	Sample	1	<= 2	V616-36672	9/02/16 07:09	DJB	ok
24558.D	10360561024	L/36850	Sample	1	<= 2	V616-36672	9/02/16 07:31	DJB	ok
24559.D	10360561025	L/36850	Sample	1	<= 2	V616-36672	9/02/16 07:54	DJB	ok
24560.D	10360540002	L/36850	Sample	1	<= 2	V616-36672	9/02/16 08:16	DJB	ok
24561.D	10360540001	L/36850	Sample	1	<= 2	V616-36672	9/02/16 08:38	DJB	ok
24562.D	10360561012	L/36850	Sample	1	<= 2	V616-36672	9/02/16 09:01	DJB	ok
24563.D	10360561013	L/36850	Sample	1	<= 2	V616-36672	9/02/16 09:23	DJB	ok



Path/File **Lab ID** **Matrix/Batch** **Type** **DF** **pH** **Method** **Date & Time** **Oper.** **Comments**

Check Maintenance Items Performed:

Changed septum
 Cleaned liner
 Replaced/Cleaned gold seal
 Additional Comments: 36848.433783
 36850.433786

Clipped column
 Changed trap - Lot #
 Cleaned MS Source

Changed column - Lot #
 Other minor parts replaced
 x No maintenance performed today

File Path 1: U:\10MSV6.I\090116B.B\

Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Report Date: 09/02/2016 14:09

Reviewed By/Date:

Run order verified: DJB 9/2/16



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 40143087

Project Overview

Final Report with COC/SCUR	1
SDG Narrative	61

Organic

GC-MS Volatiles

Surrogate Recovery Summary (Form 2)	64
Laboratory Control Spike/Laboratory Control Spike Duplicate Summary (Form 3)	67
Matrix Spike/Matrix Spike Duplicate Summary (Form 3)	70
Method Blank Association Summary (Form 4)	76
Instrument Performance Check (Form 5)	79
Initial Calibration (Form 6)	87
Continuing Calibration (Form 7)	93
Internal Standard Area & Retention Time Summary (Form 8)	100
Analytical Results with Raw Data (Form 1)	104
Raw Data QC	138

GC-MS Semivolatiles

Surrogate Recovery Summary (Form 2)	141
Method Blank Association Summary (Form 4)	142
Instrument Performance Check (Form 5)	143
Initial Calibration (Form 6)	146
Continuing Calibration (Form 7)	148
Internal Standard Area & Retention Time Summary (Form 8)	151
Analytical Results with Raw Data (Form 1)	155
Raw Data QC	159

InOrganic

ICP

Analytical Results (Form 1-IN)	160
Initial & Continuing Calibration Verification (Form 2A-IN)	168
CRDL Check Standard (Form 2B-IN)	172
Blanks (Form 3-IN)	174
Interference Check Sample (Form 4A-IN)	178
Matrix Spike Recovery (Form 5A-IN)	180
Post Digestion Spike Recovery (Form 5B-IN)	184
Duplicates (Form 6-IN)	185
Laboratory Control Spike (Form 7-IN)	187
Serial Dilution (Form 8-IN)	189
Method Detection Limits (Form 9-IN)	190
Interelement Correction Factors (Form 10-IN)	192
Linear Ranges (Form 11-IN)	194
Preparation Log (Form 12-IN)	195
Analysis Run Log (Form 13-IN)	197

December 15, 2016

Dave Olig
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Dear Dave Olig:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.
Clifford Wright, Gannett Fleming



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143087001	EW-1R-76'	Water	12/05/16 11:30	12/07/16 07:30
40143087002	EW-1R-86'	Water	12/05/16 11:35	12/07/16 07:30
40143087003	EW-1R-96'	Water	12/05/16 11:40	12/07/16 07:30
40143087004	EW-2-81'	Water	12/05/16 11:15	12/07/16 07:30
40143087005	EW-2-91'	Water	12/05/16 12:00	12/07/16 07:30
40143087006	MW-62AR	Water	12/05/16 11:25	12/07/16 07:30
40143087007	MW-62B	Water	12/05/16 11:20	12/07/16 07:30
40143087008	MW-66A	Water	12/05/16 11:05	12/07/16 07:30
40143087009	MW-66B	Water	12/05/16 11:15	12/07/16 07:30
40143087010	MW-66C	Water	12/05/16 11:10	12/07/16 07:30
40143087011	EW-5-78'	Water	12/06/16 10:05	12/07/16 07:30
40143087012	EW-5-88'	Water	12/06/16 10:10	12/07/16 07:30
40143087013	MH-18	Water	12/06/16 09:55	12/07/16 07:30
40143087014	MW-4A	Water	12/05/16 16:00	12/07/16 07:30
40143087015	MW-4B	Water	12/05/16 16:05	12/07/16 07:30
40143087016	MW-10A	Water	12/05/16 14:00	12/07/16 07:30
40143087017	MW-10B	Water	12/05/16 14:05	12/07/16 07:30
40143087018	MW-34A	Water	12/05/16 14:10	12/07/16 07:30
40143087019	MW-34B	Water	12/05/16 14:15	12/07/16 07:30
40143087020	MW-34C	Water	12/05/16 14:20	12/07/16 07:30
40143087021	MW-68A	Water	12/05/16 15:30	12/07/16 07:30
40143087022	MW-68B	Water	12/05/16 15:35	12/07/16 07:30
40143087023	MW-70A	Water	12/05/16 14:00	12/07/16 07:30
40143087024	MW-70A DUP	Water	12/05/16 15:00	12/07/16 07:30
40143087025	MW-70B	Water	12/05/16 15:05	12/07/16 07:30
40143087026	MW-74A	Water	12/05/16 15:15	12/07/16 07:30
40143087027	MW-74B	Water	12/05/16 15:20	12/07/16 07:30
40143087028	MW-75	Water	12/05/16 14:55	12/07/16 07:30
40143087029	MW-76A	Water	12/06/16 11:10	12/07/16 07:30
40143087030	MW-76B	Water	12/06/16 11:15	12/07/16 07:30
40143087031	MW-77A	Water	12/06/16 10:30	12/07/16 07:30
40143087032	MW-77B	Water	12/06/16 10:35	12/07/16 07:30
40143087033	MW-77C	Water	12/06/16 10:40	12/07/16 07:30
40143087034	MW-77C DUP	Water	12/06/16 10:40	12/07/16 07:30
40143087035	TRIP BLANK	Water	12/06/16 00:00	12/07/16 07:30
40143087036	MW-5A	Water	12/05/16 11:50	12/07/16 07:30
40143087037	MW-5B	Water	12/05/16 11:45	12/07/16 07:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143087001	EW-1R-76'	EPA 8260	HNW	8	PASI-G
40143087002	EW-1R-86'	EPA 8260	HNW	8	PASI-G
40143087003	EW-1R-96'	EPA 8260	HNW	8	PASI-G
40143087004	EW-2-81'	EPA 8260	HNW	8	PASI-G
40143087005	EW-2-91'	EPA 8260	HNW	8	PASI-G
40143087006	MW-62AR	EPA 8260	HNW	8	PASI-G
40143087007	MW-62B	EPA 8260	HNW	8	PASI-G
40143087008	MW-66A	EPA 8260	HNW	8	PASI-G
40143087009	MW-66B	EPA 8260	HNW	8	PASI-G
40143087010	MW-66C	EPA 8260	HNW	8	PASI-G
40143087011	EW-5-78'	EPA 8260	HNW	8	PASI-G
40143087012	EW-5-88'	EPA 8260	HNW	8	PASI-G
40143087013	MH-18	EPA 6010	DLB	4	PASI-G
		EPA 8260	HNW	8	PASI-G
40143087014	MW-4A	EPA 8260	HNW	8	PASI-G
40143087015	MW-4B	EPA 8260	HNW	8	PASI-G
40143087016	MW-10A	EPA 6010	DLB	1	PASI-G
40143087017	MW-10B	EPA 6010	DLB	1	PASI-G
40143087018	MW-34A	EPA 6010	DLB	1	PASI-G
		EPA 8270	RJN	7	PASI-G
		EPA 8260	HNW	8	PASI-G
40143087019	MW-34B	EPA 6010	DLB	1	PASI-G
		EPA 8260	HNW	8	PASI-G
40143087020	MW-34C	EPA 8260	HNW	8	PASI-G
40143087021	MW-68A	EPA 8260	HNW	8	PASI-G
40143087022	MW-68B	EPA 6010	DLB	1	PASI-G
		EPA 8270	RJN	7	PASI-G
		EPA 8260	HNW	8	PASI-G
40143087023	MW-70A	EPA 8260	LAP	8	PASI-G
40143087024	MW-70A DUP	EPA 8260	LAP	8	PASI-G
40143087025	MW-70B	EPA 6010	DLB	1	PASI-G
		EPA 8260	LAP	8	PASI-G
40143087026	MW-74A	EPA 8260	LAP	8	PASI-G
40143087027	MW-74B	EPA 8260	LAP	8	PASI-G
40143087028	MW-75	EPA 6010	DLB	1	PASI-G
40143087029	MW-76A	EPA 8270	RJN	7	PASI-G
		EPA 8260	LAP	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143087030	MW-76B	EPA 8260	LAP	8	PASI-G
40143087031	MW-77A	EPA 8260	LAP	8	PASI-G
40143087032	MW-77B	EPA 8270	RJN	7	PASI-G
		EPA 8260	LAP	8	PASI-G
40143087033	MW-77C	EPA 8260	LAP	8	PASI-G
40143087034	MW-77C DUP	EPA 8260	LAP	8	PASI-G
40143087035	TRIP BLANK	EPA 8260	LAP	8	PASI-G
40143087036	MW-5A	EPA 8260	LAP	8	PASI-G
40143087037	MW-5B	EPA 8260	HNW	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40143087011	EW-5-78'					
EPA 8260	Trichloroethene	0.75J	ug/L	1.0	12/08/16 17:40	
40143087013	MH-18					
EPA 6010	Nickel	3.3J	ug/L	10.0	12/09/16 10:57	
EPA 6010	Total Hardness by 2340B	51200	ug/L	2000	12/09/16 10:57	
EPA 8260	1,1,1-Trichloroethane	0.70J	ug/L	1.0	12/08/16 12:54	
EPA 8260	Trichloroethene	0.54J	ug/L	1.0	12/08/16 12:54	
40143087015	MW-4B					
EPA 8260	Trichloroethene	0.43J	ug/L	1.0	12/08/16 13:38	
40143087016	MW-10A					
EPA 6010	Cadmium, Dissolved	18.8	ug/L	5.0	12/14/16 11:07	
40143087018	MW-34A					
EPA 6010	Cadmium, Dissolved	6.5	ug/L	5.0	12/14/16 11:21	
40143087019	MW-34B					
EPA 6010	Cadmium, Dissolved	1.5J	ug/L	5.0	12/14/16 11:24	
40143087021	MW-68A					
EPA 8260	Trichloroethene	0.35J	ug/L	1.0	12/08/16 15:06	
40143087022	MW-68B					
EPA 6010	Cadmium, Dissolved	4.0J	ug/L	5.0	12/14/16 11:31	
40143087023	MW-70A					
EPA 8260	1,1-Dichloroethane	0.26J	ug/L	1.0	12/09/16 07:54	
EPA 8260	Trichloroethene	0.61J	ug/L	1.0	12/09/16 07:54	
40143087024	MW-70A DUP					
EPA 8260	1,1-Dichloroethane	0.24J	ug/L	1.0	12/08/16 14:49	
EPA 8260	Trichloroethene	0.41J	ug/L	1.0	12/08/16 14:49	
40143087025	MW-70B					
EPA 6010	Cadmium, Dissolved	4.1J	ug/L	5.0	12/14/16 11:33	
40143087028	MW-75					
EPA 6010	Cadmium, Dissolved	2.4J	ug/L	5.0	12/14/16 11:36	
40143087031	MW-77A					
EPA 8260	Trichloroethene	0.51J	ug/L	1.0	12/09/16 09:43	
40143087032	MW-77B					
EPA 8260	Trichloroethene	1.4	ug/L	1.0	12/09/16 10:05	
40143087033	MW-77C					
EPA 8260	Trichloroethene	0.60J	ug/L	1.0	12/09/16 10:27	
40143087034	MW-77C DUP					
EPA 8260	Trichloroethene	0.52J	ug/L	1.0	12/09/16 10:49	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Method: EPA 6010

Description: 6010 MET ICP

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Method: EPA 6010
Description: 6010 MET ICP, Dissolved
Client: Gannett Fleming Inc.
Date: December 15, 2016

General Information:

7 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

4 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 243604

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

34 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-1R-76' **Lab ID:** 40143087001 Collected: 12/05/16 11:30 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 15:50	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 15:50	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 15:50	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 15:50	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 15:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 15:50	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 15:50	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 15:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: EW-1R-86' **Lab ID:** 40143087002 Collected: 12/05/16 11:35 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 16:12	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 16:12	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 16:12	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 16:12	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 16:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/08/16 16:12	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 16:12	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 16:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-1R-96' **Lab ID:** 40143087003 Collected: 12/05/16 11:40 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 16:34	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 16:34	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 16:34	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 16:34	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 16:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 16:34	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 16:34	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 16:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-2-81' **Lab ID: 40143087004** Collected: 12/05/16 11:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 16:56	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 16:56	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 16:56	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 16:56	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 16:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 16:56	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 16:56	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 16:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-2-91' **Lab ID:** 40143087005 Collected: 12/05/16 12:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 17:18	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 17:18	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 17:18	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 17:18	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 17:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 17:18	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 17:18	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 17:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-62AR **Lab ID: 40143087006** Collected: 12/05/16 11:25 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 10:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 10:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 10:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 10:19	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 10:19	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 10:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-62B **Lab ID: 40143087007** Collected: 12/05/16 11:20 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 11:26	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 11:26	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 11:26	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 11:26	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 11:26	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/08/16 11:26	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 11:26	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 11:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-66A **Lab ID: 40143087008** Collected: 12/05/16 11:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 11:48	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 11:48	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 11:48	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 11:48	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 11:48	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 11:48	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 11:48	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 11:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-66B **Lab ID: 40143087009** Collected: 12/05/16 11:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 12:10	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 12:10	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 12:10	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 12:10	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 12:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/08/16 12:10	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 12:10	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 12:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-66C **Lab ID: 40143087010** Collected: 12/05/16 11:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 12:32	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 12:32	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 12:32	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 12:32	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 12:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 12:32	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/08/16 12:32	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 12:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-5-78' **Lab ID:** 40143087011 Collected: 12/06/16 10:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 17:40	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 17:40	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 17:40	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 17:40	127-18-4	
Trichloroethene	0.75J	ug/L	1.0	0.33	1		12/08/16 17:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 17:40	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 17:40	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 17:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-5-88' **Lab ID: 40143087012** Collected: 12/06/16 10:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 18:02	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 18:02	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 18:02	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 18:02	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 18:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 18:02	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/08/16 18:02	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/08/16 18:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MH-18 **Lab ID: 40143087013** Collected: 12/06/16 09:55 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium	<1.3	ug/L	5.0	1.3	1	12/08/16 13:31	12/09/16 10:57	7440-43-9	
Nickel	3.3J	ug/L	10.0	2.6	1	12/08/16 13:31	12/09/16 10:57	7440-02-0	
Total Hardness by 2340B	51200	ug/L	2000	150	1	12/08/16 13:31	12/09/16 10:57		
Zinc	<9.3	ug/L	40.0	9.3	1	12/08/16 13:31	12/09/16 10:57	7440-66-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.70J	ug/L	1.0	0.50	1		12/08/16 12:54	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 12:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 12:54	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 12:54	127-18-4	
Trichloroethene	0.54J	ug/L	1.0	0.33	1		12/08/16 12:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 12:54	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/08/16 12:54	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 12:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-4A **Lab ID: 40143087014** Collected: 12/05/16 16:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 13:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 13:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 13:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 13:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 13:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/08/16 13:16	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		12/08/16 13:16	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 13:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-4B **Lab ID: 40143087015** Collected: 12/05/16 16:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 13:38	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 13:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 13:38	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 13:38	127-18-4	
Trichloroethene	0.43J	ug/L	1.0	0.33	1		12/08/16 13:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/08/16 13:38	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/08/16 13:38	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 13:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-10A **Lab ID: 40143087016** Collected: 12/05/16 14:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	18.8	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:07	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-10B **Lab ID: 40143087017** Collected: 12/05/16 14:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:17	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-34A **Lab ID: 40143087018** Collected: 12/05/16 14:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	6.5	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:21	7440-43-9	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.5	2.9	1	12/08/16 08:19	12/12/16 19:10	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	81	%	43-130		1	12/08/16 08:19	12/12/16 19:10	4165-60-0	
2-Fluorobiphenyl (S)	82	%	41-130		1	12/08/16 08:19	12/12/16 19:10	321-60-8	
Terphenyl-d14 (S)	89	%	49-130		1	12/08/16 08:19	12/12/16 19:10	1718-51-0	
Phenol-d6 (S)	24	%	15-130		1	12/08/16 08:19	12/12/16 19:10	13127-88-3	
2-Fluorophenol (S)	38	%	27-130		1	12/08/16 08:19	12/12/16 19:10	367-12-4	
2,4,6-Tribromophenol (S)	92	%	42-140		1	12/08/16 08:19	12/12/16 19:10	118-79-6	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:00	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 14:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:00	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:00	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 14:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 14:00	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 14:00	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 14:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-34B **Lab ID: 40143087019** Collected: 12/05/16 14:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium, Dissolved	1.5J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:24	7440-43-9	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:22	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 14:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:22	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:22	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 14:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 14:22	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/08/16 14:22	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 14:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-34C **Lab ID: 40143087020** Collected: 12/05/16 14:20 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:44	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 14:44	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:44	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:44	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 14:44	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 14:44	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 14:44	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 14:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-68A **Lab ID: 40143087021** Collected: 12/05/16 15:30 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 15:06	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 15:06	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 15:06	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 15:06	127-18-4	
Trichloroethene	0.35J	ug/L	1.0	0.33	1		12/08/16 15:06	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/08/16 15:06	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/08/16 15:06	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 15:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-68B **Lab ID: 40143087022** Collected: 12/05/16 15:35 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	4.0J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:31	7440-43-9	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<3.0	ug/L	10.0	3.0	1	12/08/16 08:19	12/12/16 19:31	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	12/08/16 08:19	12/12/16 19:31	4165-60-0	
2-Fluorobiphenyl (S)	91	%	41-130		1	12/08/16 08:19	12/12/16 19:31	321-60-8	
Terphenyl-d14 (S)	89	%	49-130		1	12/08/16 08:19	12/12/16 19:31	1718-51-0	
Phenol-d6 (S)	28	%	15-130		1	12/08/16 08:19	12/12/16 19:31	13127-88-3	
2-Fluorophenol (S)	46	%	27-130		1	12/08/16 08:19	12/12/16 19:31	367-12-4	
2,4,6-Tribromophenol (S)	107	%	42-140		1	12/08/16 08:19	12/12/16 19:31	118-79-6	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 15:28	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 15:28	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 15:28	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 15:28	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 15:28	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/08/16 15:28	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 15:28	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 15:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-70A **Lab ID: 40143087023** Collected: 12/05/16 14:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 07:54	71-55-6	
1,1-Dichloroethane	0.26J	ug/L	1.0	0.24	1		12/09/16 07:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 07:54	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 07:54	127-18-4	
Trichloroethene	0.61J	ug/L	1.0	0.33	1		12/09/16 07:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/09/16 07:54	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/09/16 07:54	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/09/16 07:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-70A DUP **Lab ID: 40143087024** Collected: 12/05/16 15:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:49	71-55-6	
1,1-Dichloroethane	0.24J	ug/L	1.0	0.24	1		12/08/16 14:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:49	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:49	127-18-4	
Trichloroethene	0.41J	ug/L	1.0	0.33	1		12/08/16 14:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/08/16 14:49	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 14:49	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		12/08/16 14:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-70B **Lab ID: 40143087025** Collected: 12/05/16 15:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium, Dissolved	4.1J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:33	7440-43-9	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 08:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 08:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 08:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 08:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 08:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/09/16 08:16	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/09/16 08:16	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/09/16 08:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-74A **Lab ID: 40143087026** Collected: 12/05/16 15:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 08:38	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 08:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 08:38	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 08:38	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 08:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 08:38	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		12/09/16 08:38	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 08:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-74B **Lab ID: 40143087027** Collected: 12/05/16 15:20 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 09:00	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 09:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 09:00	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 09:00	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 09:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 09:00	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 09:00	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 09:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-75 **Lab ID: 40143087028** Collected: 12/05/16 14:55 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	2.4J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:36	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-76A **Lab ID: 40143087029** Collected: 12/06/16 11:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/08/16 08:19	12/12/16 19:52	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	79	%	43-130		1	12/08/16 08:19	12/12/16 19:52	4165-60-0	
2-Fluorobiphenyl (S)	93	%	41-130		1	12/08/16 08:19	12/12/16 19:52	321-60-8	
Terphenyl-d14 (S)	91	%	49-130		1	12/08/16 08:19	12/12/16 19:52	1718-51-0	
Phenol-d6 (S)	28	%	15-130		1	12/08/16 08:19	12/12/16 19:52	13127-88-3	
2-Fluorophenol (S)	44	%	27-130		1	12/08/16 08:19	12/12/16 19:52	367-12-4	
2,4,6-Tribromophenol (S)	117	%	42-140		1	12/08/16 08:19	12/12/16 19:52	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 11:33	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 11:33	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 11:33	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 11:33	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 11:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 11:33	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 11:33	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 11:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-76B **Lab ID: 40143087030** Collected: 12/06/16 11:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 09:22	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 09:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 09:22	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 09:22	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 09:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		12/09/16 09:22	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/09/16 09:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		12/09/16 09:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-77A **Lab ID: 40143087031** Collected: 12/06/16 10:30 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 09:43	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 09:43	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 09:43	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 09:43	127-18-4	
Trichloroethene	0.51J	ug/L	1.0	0.33	1		12/09/16 09:43	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 09:43	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 09:43	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 09:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-77B **Lab ID: 40143087032** Collected: 12/06/16 10:35 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/08/16 08:19	12/12/16 20:14	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	80	%	43-130		1	12/08/16 08:19	12/12/16 20:14	4165-60-0	
2-Fluorobiphenyl (S)	87	%	41-130		1	12/08/16 08:19	12/12/16 20:14	321-60-8	
Terphenyl-d14 (S)	86	%	49-130		1	12/08/16 08:19	12/12/16 20:14	1718-51-0	
Phenol-d6 (S)	26	%	15-130		1	12/08/16 08:19	12/12/16 20:14	13127-88-3	
2-Fluorophenol (S)	47	%	27-130		1	12/08/16 08:19	12/12/16 20:14	367-12-4	
2,4,6-Tribromophenol (S)	112	%	42-140		1	12/08/16 08:19	12/12/16 20:14	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 10:05	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 10:05	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 10:05	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 10:05	127-18-4	
Trichloroethene	1.4	ug/L	1.0	0.33	1		12/09/16 10:05	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 10:05	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 10:05	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 10:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-77C **Lab ID: 40143087033** Collected: 12/06/16 10:40 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 10:27	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 10:27	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 10:27	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 10:27	127-18-4	
Trichloroethene	0.60J	ug/L	1.0	0.33	1		12/09/16 10:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/09/16 10:27	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 10:27	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 10:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-77C DUP **Lab ID: 40143087034** Collected: 12/06/16 10:40 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 10:49	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 10:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 10:49	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 10:49	127-18-4	
Trichloroethene	0.52J	ug/L	1.0	0.33	1		12/09/16 10:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/09/16 10:49	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 10:49	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/09/16 10:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: TRIP BLANK **Lab ID: 40143087035** Collected: 12/06/16 00:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 07:11	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 07:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 07:11	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 07:11	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 07:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/09/16 07:11	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 07:11	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 07:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-5A **Lab ID: 40143087036** Collected: 12/05/16 11:50 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 11:11	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 11:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 11:11	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 11:11	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 11:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 11:11	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 11:11	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 11:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-5B **Lab ID: 40143087037** Collected: 12/05/16 11:45 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 10:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 10:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 10:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/08/16 10:19	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		12/08/16 10:19	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		12/08/16 10:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

QC Batch: 243680 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 40143087013

METHOD BLANK: 1443376 Matrix: Water
Associated Lab Samples: 40143087013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<1.3	5.0	12/09/16 10:22	
Nickel	ug/L	<2.6	10.0	12/09/16 10:22	
Total Hardness by 2340B	ug/L	<150	2000	12/09/16 10:22	
Zinc	ug/L	<9.3	40.0	12/09/16 10:22	

LABORATORY CONTROL SAMPLE: 1443377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	500	474	95	80-120	
Nickel	ug/L	500	477	95	80-120	
Total Hardness by 2340B	ug/L		33100			
Zinc	ug/L	500	481	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443378 1443379

Parameter	Units	40143037001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	Spike Conc.	Result	MS Result	MSD Result	% Rec	% Rec				
Cadmium	ug/L	<1.3	500	500	492	484	98	97	75-125	2	20		
Nickel	ug/L	<2.6	500	500	483	479	97	96	75-125	1	20		
Total Hardness by 2340B	ug/L	397000			425000	418000				2	20		
Zinc	ug/L	<9.3	500	500	485	479	97	96	75-125	1	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

QC Batch: 244011

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET Dissolved

Associated Lab Samples: 40143087016, 40143087017, 40143087018, 40143087019, 40143087022, 40143087025, 40143087028

METHOD BLANK: 1445282

Matrix: Water

Associated Lab Samples: 40143087016, 40143087017, 40143087018, 40143087019, 40143087022, 40143087025, 40143087028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	12/14/16 11:03	

LABORATORY CONTROL SAMPLE: 1445283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	467	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1445284 1445285

Parameter	Units	MS		MSD		% Rec		% Rec	MSD	% Rec	Limits	RPD	RPD	Qual
		40143087016	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result							
Cadmium, Dissolved	ug/L	18.8	500	500	490	493	94	95	75-125	1	20			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

QC Batch:	243576	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40143087001, 40143087002, 40143087003, 40143087004, 40143087005, 40143087006, 40143087007, 40143087008, 40143087009, 40143087010, 40143087011, 40143087012, 40143087013, 40143087014, 40143087015, 40143087018, 40143087019, 40143087020, 40143087021, 40143087022		

METHOD BLANK:	1442772	Matrix:	Water
Associated Lab Samples:	40143087001, 40143087002, 40143087003, 40143087004, 40143087005, 40143087006, 40143087007, 40143087008, 40143087009, 40143087010, 40143087011, 40143087012, 40143087013, 40143087014, 40143087015, 40143087018, 40143087019, 40143087020, 40143087021, 40143087022		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/08/16 08:51	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/08/16 08:51	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/08/16 08:51	
Tetrachloroethene	ug/L	<0.50	1.0	12/08/16 08:51	
Trichloroethene	ug/L	<0.33	1.0	12/08/16 08:51	
4-Bromofluorobenzene (S)	%	95	70-130	12/08/16 08:51	
Dibromofluoromethane (S)	%	102	70-130	12/08/16 08:51	
Toluene-d8 (S)	%	93	70-130	12/08/16 08:51	

LABORATORY CONTROL SAMPLE: 1442773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.7	113	70-131	
1,1-Dichloroethane	ug/L	50	54.5	109	70-133	
1,1-Dichloroethene	ug/L	50	55.3	111	70-130	
Tetrachloroethene	ug/L	50	47.4	95	70-138	
Trichloroethene	ug/L	50	52.6	105	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442847 1442848

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40143087006 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	57.6	57.3	115	115	70-134	0	20
1,1-Dichloroethane	ug/L	<0.24	50	50	54.5	54.1	109	108	70-134	1	20
1,1-Dichloroethene	ug/L	<0.41	50	50	54.6	54.8	109	110	68-136	0	20
Tetrachloroethene	ug/L	<0.50	50	50	50.8	49.9	102	100	70-148	2	20
Trichloroethene	ug/L	<0.33	50	50	54.1	54.2	108	108	70-131	0	20
4-Bromofluorobenzene (S)	%						98	100	70-130		
Dibromofluoromethane (S)	%						103	102	70-130		
Toluene-d8 (S)	%						93	92	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

QC Batch:	243577	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40143087023, 40143087024, 40143087025, 40143087026, 40143087027, 40143087029, 40143087030, 40143087031, 40143087032, 40143087033, 40143087034, 40143087035, 40143087036		

METHOD BLANK:	1442774	Matrix:	Water
Associated Lab Samples:	40143087023, 40143087024, 40143087025, 40143087026, 40143087027, 40143087029, 40143087030, 40143087031, 40143087032, 40143087033, 40143087034, 40143087035, 40143087036		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/08/16 08:23	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/08/16 08:23	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/08/16 08:23	
Tetrachloroethene	ug/L	<0.50	1.0	12/08/16 08:23	
Trichloroethene	ug/L	<0.33	1.0	12/08/16 08:23	
4-Bromofluorobenzene (S)	%	91	70-130	12/08/16 08:23	
Dibromofluoromethane (S)	%	102	70-130	12/08/16 08:23	
Toluene-d8 (S)	%	99	70-130	12/08/16 08:23	

LABORATORY CONTROL SAMPLE: 1442775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.7	107	70-131	
1,1-Dichloroethane	ug/L	50	53.2	106	70-133	
1,1-Dichloroethene	ug/L	50	48.5	97	70-130	
Tetrachloroethene	ug/L	50	50.2	100	70-138	
Trichloroethene	ug/L	50	52.8	106	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442816 1442817

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40143087024 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.50	50	50	54.3	51.7	109	103	70-134	5	20
1,1-Dichloroethane	ug/L	0.24J	50	50	54.0	51.7	107	103	70-134	4	20
1,1-Dichloroethene	ug/L	<0.41	50	50	51.6	49.3	103	99	68-136	5	20
Tetrachloroethene	ug/L	<0.50	50	50	50.8	49.5	102	99	70-148	3	20
Trichloroethene	ug/L	0.41J	50	50	53.9	50.3	107	100	70-131	7	20
4-Bromofluorobenzene (S)	%						100	103	70-130		
Dibromofluoromethane (S)	%						101	101	70-130		
Toluene-d8 (S)	%						96	97	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

QC Batch: 243579 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40143087037

METHOD BLANK: 1442778 Matrix: Water
Associated Lab Samples: 40143087037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/08/16 08:49	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/08/16 08:49	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/08/16 08:49	
Tetrachloroethene	ug/L	<0.50	1.0	12/08/16 08:49	
Trichloroethene	ug/L	<0.33	1.0	12/08/16 08:49	
4-Bromofluorobenzene (S)	%	89	70-130	12/08/16 08:49	
Dibromofluoromethane (S)	%	111	70-130	12/08/16 08:49	
Toluene-d8 (S)	%	92	70-130	12/08/16 08:49	

LABORATORY CONTROL SAMPLE: 1442779

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.2	114	70-131	
1,1-Dichloroethane	ug/L	50	52.2	104	70-133	
1,1-Dichloroethene	ug/L	50	51.7	103	70-130	
Tetrachloroethene	ug/L	50	51.8	104	70-138	
Trichloroethene	ug/L	50	52.6	105	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			114	70-130	
Toluene-d8 (S)	%			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442849 1442850

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40143087037 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	51.9	54.7	104	109	70-134	5	20
1,1-Dichloroethane	ug/L	<0.24	50	50	47.8	51.0	96	102	70-134	6	20
1,1-Dichloroethene	ug/L	<0.41	50	50	46.7	50.0	93	100	68-136	7	20
Tetrachloroethene	ug/L	<0.50	50	50	53.7	52.2	107	104	70-148	3	20
Trichloroethene	ug/L	<0.33	50	50	53.7	53.2	107	106	70-131	1	20
4-Bromofluorobenzene (S)	%						101	103	70-130		
Dibromofluoromethane (S)	%						102	108	70-130		
Toluene-d8 (S)	%						93	93	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

QC Batch: 243604 Analysis Method: EPA 8270
 QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
 Associated Lab Samples: 40143087018, 40143087022, 40143087029, 40143087032

METHOD BLANK: 1442839 Matrix: Water
 Associated Lab Samples: 40143087018, 40143087022, 40143087029, 40143087032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	12/08/16 15:23	
2,4,6-Tribromophenol (S)	%	76	42-140	12/08/16 15:23	
2-Fluorobiphenyl (S)	%	84	41-130	12/08/16 15:23	
2-Fluorophenol (S)	%	41	27-130	12/08/16 15:23	
Nitrobenzene-d5 (S)	%	72	43-130	12/08/16 15:23	
Phenol-d6 (S)	%	26	15-130	12/08/16 15:23	
Terphenyl-d14 (S)	%	91	49-130	12/08/16 15:23	

Parameter	Units	1442840		1442841		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
2,4,6-Tribromophenol (S)	%				108	113		42-140	
2-Fluorobiphenyl (S)	%				97	91		41-130	
2-Fluorophenol (S)	%				47	60		27-130	
Nitrobenzene-d5 (S)	%				92	86		43-130	
Phenol-d6 (S)	%				37	41		15-130	
Terphenyl-d14 (S)	%				96	95		49-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 243712

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143087013	MH-18	EPA 3010	243680	EPA 6010	243783
40143087016	MW-10A	EPA 3010	244011	EPA 6010	244125
40143087017	MW-10B	EPA 3010	244011	EPA 6010	244125
40143087018	MW-34A	EPA 3010	244011	EPA 6010	244125
40143087019	MW-34B	EPA 3010	244011	EPA 6010	244125
40143087022	MW-68B	EPA 3010	244011	EPA 6010	244125
40143087025	MW-70B	EPA 3010	244011	EPA 6010	244125
40143087028	MW-75	EPA 3010	244011	EPA 6010	244125
40143087018	MW-34A	EPA 3510	243604	EPA 8270	243712
40143087022	MW-68B	EPA 3510	243604	EPA 8270	243712
40143087029	MW-76A	EPA 3510	243604	EPA 8270	243712
40143087032	MW-77B	EPA 3510	243604	EPA 8270	243712
40143087001	EW-1R-76'	EPA 8260	243576		
40143087002	EW-1R-86'	EPA 8260	243576		
40143087003	EW-1R-96'	EPA 8260	243576		
40143087004	EW-2-81'	EPA 8260	243576		
40143087005	EW-2-91'	EPA 8260	243576		
40143087006	MW-62AR	EPA 8260	243576		
40143087007	MW-62B	EPA 8260	243576		
40143087008	MW-66A	EPA 8260	243576		
40143087009	MW-66B	EPA 8260	243576		
40143087010	MW-66C	EPA 8260	243576		
40143087011	EW-5-78'	EPA 8260	243576		
40143087012	EW-5-88'	EPA 8260	243576		
40143087013	MH-18	EPA 8260	243576		
40143087014	MW-4A	EPA 8260	243576		
40143087015	MW-4B	EPA 8260	243576		
40143087018	MW-34A	EPA 8260	243576		
40143087019	MW-34B	EPA 8260	243576		
40143087020	MW-34C	EPA 8260	243576		
40143087021	MW-68A	EPA 8260	243576		
40143087022	MW-68B	EPA 8260	243576		
40143087023	MW-70A	EPA 8260	243577		
40143087024	MW-70A DUP	EPA 8260	243577		
40143087025	MW-70B	EPA 8260	243577		
40143087026	MW-74A	EPA 8260	243577		
40143087027	MW-74B	EPA 8260	243577		
40143087029	MW-76A	EPA 8260	243577		
40143087030	MW-76B	EPA 8260	243577		
40143087031	MW-77A	EPA 8260	243577		
40143087032	MW-77B	EPA 8260	243577		
40143087033	MW-77C	EPA 8260	243577		
40143087034	MW-77C DUP	EPA 8260	243577		
40143087035	TRIP BLANK	EPA 8260	243577		
40143087036	MW-5A	EPA 8260	243577		
40143087037	MW-5B	EPA 8260	243579		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Dave O'Leary
 Phone: 608-836-1500
 Project Number: 34283,000
 Project Name: National Pesticide Ispd (NPI)
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): Chelsea Payne
 PO #: _____
 Regulatory Program: _____



CHAIN OF CUSTODY

Preservation Codes:
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)*

Y/N	Pick Letter	Analyses Requested
Y	D	PAH, pentachloro, Total Metals/PAHs + hardness/8270
N	A	
N	D	

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	EW-1R-76'	12-5	1130	GW
003	EW-1R-86'		1135	
003	EW-1R-96'		1140	
004	EW-2-81'		1115	
005	EW-2-91'		1200	
006	MW-62AR		1125	
007	MW-62B		1120	
008	MW-66A		1105	
009	MW-66B		1115	
010	MW-66C		1116	
011	EW-5-78'	12-6	1005	
012	EW-5-88'		1010	
013	MH-18		955	

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Mary Mussy (GF) Date/Time: 12-6, 1300
 Relinquished By: Nick Lam Date/Time: 12-7-16 0730
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: Nick Lam Date/Time: 12-7-16 0730
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Quote #: _____
 Mail To Contact: Dave O'Leary
 Mail To Company: Gannett Fleming
 Mail To Address: 8025 Bealster Dr Madison, WI 53717
 Invoice To Contact: See mail
 Invoice To Company: _____
 Invoice To Address: fb
 Invoice To Phone: 608-836-1500
 CLIENT COMMENTS: Send copy of report - fb
Maria & Kuehl
340 Quaker St
Green Bay, WI
54311
 LAB COMMENTS (Lab Use Only): 340 MWLB
 Profile #: _____
 Cooler Custody Seal Present/Not Present Intact / Not Intact
 Receipt Temp = POI °C
 Sample Receipt pH (OK) Adjusted
 PACE Project No. 40143087
 PH=7.150°F

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

(Please Print Clearly)

Company Name: _____
 Branch/Location: _____
 Project Contact: _____
 Phone: _____
 Project Number: _____
 Project Name: _____
 Project State: _____
 Sampled By (Print): _____
 Sampled By (Sign): _____
 PO #: _____
 Regulatory Program: _____

Data Package Options
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Biot
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water
 WIP = Wipe



CHAIN OF CUSTODY

Preservation Codes

A=None	B=HCL	C=H2SO4	D=HNO3	E=DI Water	F=Methanol	G=NaOH
H=Sodium Bisulfate Solution	I=Sodium Thiosulfate	J=Other				

FILTERED?
(YES/NO)
PRESERVATION (CODE):

Y/N	Pick	Label
N	B	
Y	D	
N	A	

Analyses Requested
 NPI short list
 Cd
 1,4-Dioxane

PACE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
014	MW-4A	12-5	1600	GW
015	MW-4B		1605	
016	MW-10A		1400	
017	MW-10B		1405	
018	MW-34A		1410	
019	MW-34B		1415	
020	MW-34C		1420	
021	MW-68A		1530	
022	MW-68B		1535	
023	MW-70A		1400	
024	MW-70A Dup		1500	
025	MW-70B		1505	
026	MW-74A		1515	

Quote #: _____

Mail To Contact: _____

Mail To Company: _____

Mail To Address: _____

Invoice To Contact: _____

Invoice To Company: _____

Invoice To Address: _____

Invoice To Phone: _____

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

340mLWB
 1-350mLWB
 3-40mLWB
 1-350mLWB
 2-1LagA
 2-1LagB
 2-1LagC
 2-40mLWB
 1-350mLWB
 3-40mLWB

Relinquished By: _____ **Date/Time:** _____

Received By: _____ **Date/Time:** _____

PACE Project No. 40143087

Receipt Temp = 20.1 °C

Sample Receipt pH _____

Cooler Custody Seal Present / Not Present

Intact / Not Intact

(Please Print Clearly)

Company Name: _____
 Branch/Location: _____
 Project Contact: Sally
 Phone: _____
 Project Number: _____
 Project Name: _____
 Project State: _____
 Sampled By (Print): _____
 Sampled By (Sign): _____
 PO #: _____

Data Package Options
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Biota
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

Regulatory Program: _____



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	Analyzes Requested			CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					V/I/N	Pick Label	Y/D/A			
027	MW-74B	12-5	1520	6W						
028	MW-75	"	1455							
029	MW-76A	12-6	1110							
030	MW-76B	"	1115							
031	MW-77A		1030							
032	MW-77B		1035							
033	MW-77C		1046							
034	MW-77C Dup		1040							
035	TRIP BLANK									
036	MW-5A	12-5	1150	6W						
037	MW-5B	"	1145							

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Special pricing and release of liability

Relinquished By: William
 Date/Time: 12-7-10 0730

Relinquished By: _____
 Date/Time: _____

Relinquished By: _____
 Date/Time: _____

Received By: Wendy
 Date/Time: 12-7-10 0730

Received By: _____
 Date/Time: _____

Received By: _____
 Date/Time: _____

FACE Project No. 40143087

Receipt Temp = ROT °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Condition Upon Receipt

Client Name: Gannett, Fleming Project # 40143087

Additional Comments/Resolution: _____

004 - Collect time on samples 1155

005 - Last digit of ID scratched out.

029 - Collect time on 3-40ml vial is 10/10.

12-7-10 SKW

023 collect time "1500" BU 12/7/10

023 - 1 vial frozen with raised septa

031 - " " " "

12-7-10
SKW

Project Manager Review: _____

Date: _____

Sample Condition Upon Receipt

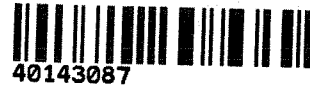
Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Client Name: Gannett Fleming

Project # WO#: 40143087

Courier: Fed Ex UPS Client Pace Other: Duxon
Tracking #: 1239526



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used N/A Type of Ice: Wet Blue Dry None

Cooler Temperature Uncorr: ROI /Corr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 12-7-16
Initials: SW

Comments:

Table with 15 rows of inspection criteria and checkboxes. Includes items like Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, etc.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution: If checked, see attached form for additional comments

Project Manager Review: [Signature] Date: 12-7-16



CASE NARRATIVE - VOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40143087

Client: GANNETT FLEMING INC

Project Name: NATIONAL PRESTO

Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 8260B
- B. **Analysis:** SW846 8260B

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** All method acceptance criteria were met.
 - 3. **Continuing verification:** All method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** All in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met.
- D. **Spikes:**
 - 1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met.
 - 2. **Matrix Spike / Matrix Spike Duplicate (MS/MSD):** Samples MW-62AR, MW-70A DUP and MW-5B were the designated MS/MSD sample parents for this SDG. All in-house accuracy and precision criteria were met.
- E. **Internal Standards:** All in-house acceptance criteria were met.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, Inc.**, and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 12/24/16

Name: Jill A. Duranceau Position: Quality Assurance Auditor



CASE NARRATIVE - SEMIVOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40143087

Client: GANNETT FLEMING INC

Project Name: NATIONAL PRESTO

Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 3510
- B. **Analysis:** SW846 8270C

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** The method acceptance criteria were met.
 - 3. **Continuing verification:** The method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** The in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met. Surrogate recoveries for the lab control spikes were reported even though 1,4-Dioxane was not in the lab control spike compound list.
- D. **Spikes:**
 - 1. **Lab Control Spike / Lab Control Spike Duplicate (LCS/LCSD):** All in-house accuracy and precision criteria were met. Neither the LCS nor LCSD were spiked with 1,4-Dioxane so no LCS summary was created.
 - 2. **Matrix Spike / Duplicate (MS/MSD):** A matrix spike / matrix spike duplicate was not performed for this batch due to insufficient sample volume.
- E. **Internal Standards:** All in-house acceptance criteria were met except 1442839BLANK.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG.
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed.

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, LLC**, and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 12/24/16
Name: Jill A. Duranceau Position: Quality Assurance Auditor



CASE NARRATIVE - METALS ANALYSIS

Lab Report Number (SDG): 40143087

Client: GANNETT FLEMING INC

Project Name: NATIONAL PRESTO

Project Number: 34283.000

1. RECEIPT

The samples were received on ice.

2. HOLDING TIMES

A. Sample Preparation: All method holding times were met.

B. Sample Analysis: All method holding times were met.

3. METHOD

A. Preparation: SW846 6010B

B. Analysis: SW846 6010B

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

A. Calibration:

1. **Initial verification:** All method acceptance criteria were met.

2. **Continuing verification:** All method acceptance criteria were met.

B. Blanks:

1. **Initial calibration (ICB):** All method acceptance criteria were met.

2. **Continuing calibration (CCB):** All method acceptance criteria were met.

3. **Method:** All in-house acceptance criteria were met.

C. Spikes:

1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met.

2. **Matrix Spike / Duplicate (MS/MSD):** Sample MW-10A was designated as the parent sample for the MS/MSD for this SDG. The in-house accuracy and precision criteria were met. Batch QC was also analyzed.

D. ICP Interference Check Samples: All method acceptance criteria were met.

E. ICP Serial Dilution: All method acceptance criteria were met. Serial dilution % Difference is not evaluated for parent results less than fifty times the reporting limit.

F. Samples: Sample analyses proceeded normally.

G. Dilutions: None required for this SDG.

H. Reanalysis: None required for this SDG.

I. Comments: No additional comments are needed.

I certify that this data package is in compliance, with the terms and conditions agreed to by **Pace Analytical Services, LLC**, and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 12/28/16

Name: Jill A Duranceau Position: Quality Assurance Auditor

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSV3

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1442772	1442772BLANK	95	102	93
1442773	1442773LCS	99	103	94
1442847	1442847MS	98	103	93
1442848	1442848MSD	100	102	92
40143087001	EW-1R-76'	91	101	92
40143087002	EW-1R-86'	90	102	94
40143087003	EW-1R-96'	91	101	92
40143087004	EW-2-81'	91	101	92
40143087005	EW-2-91'	92	102	94
40143087006	MW-62AR	92	101	92
40143087007	MW-62B	95	102	94
40143087008	MW-66A	92	102	93
40143087009	MW-66B	89	101	93
40143087010	MW-66C	93	100	94
40143087011	EW-5-78'	93	101	92
40143087012	EW-5-88'	92	104	95
40143087013	MH-18	93	100	93
40143087014	MW-4A	94	105	93
40143087015	MW-4B	90	103	93
40143087018	MW-34A	93	102	92
40143087019	MW-34B	91	100	92
40143087020	MW-34C	93	101	93
40143087021	MW-68A	94	104	93
40143087022	MW-68B	95	102	93

QC LIMITS

(70-130)

(70-130)

(70-130)

(BFB) = 4-Bromofluorobenzene (S)

(DIBF) = Dibromofluoromethane (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSVA

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1442778	1442778BLANK	89	111	92
1442779	1442779LCS	101	114	93
1442849	1442849MS	101	102	93
1442850	1442850MSD	103	108	93
40143087037	MW-5B	90	112	90

(BFB) = 4-Bromofluorobenzene (S)

(DIBF) = Dibromofluoromethane (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

QC LIMITS

(70-130)

(70-130)

(70-130)

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSVB

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1442774	1442774BLANK	91	102	99
1442775	1442775LCS	99	102	96
1442816	1442816MS	100	101	96
1442817	1442817MSD	103	101	97
40143087023	MW-70A	91	103	98
40143087024	MW-70A DUP	89	102	102
40143087025	MW-70B	94	103	98
40143087026	MW-74A	88	105	96
40143087027	MW-74B	87	106	94
40143087029	MW-76A	89	108	94
40143087030	MW-76B	86	104	97
40143087031	MW-77A	90	107	95
40143087032	MW-77B	88	107	96
40143087033	MW-77C	92	106	96
40143087034	MW-77C DUP	91	107	99
40143087035	TRIP BLANK	93	106	96
40143087036	MW-5A	87	106	94

(BFB) = 4-Bromofluorobenzene (S)

(DIBF) = Dibromofluoromethane (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

QC LIMITS

(70-130)

(70-130)

(70-130)

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay
 Date Extracted: 12/08/2016
 Instrument: 40MSVA
 Lab File ID: 12082016.B\12081606.D

Lab Sample ID: 1442779LCS
 Date Analyzed (1): 12/08/2016
 LCS Lot No: 153247
 SDG No.: 40143087

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	50.0	52.2	104	70-133
1,1-Dichloroethene	50.0	51.7	103	70-130
Tetrachloroethene	50.0	51.8	104	70-138
1,1,1-Trichloroethane	50.0	57.2	114	70-131
Trichloroethene	50.0	52.6	105	70-130

Spike Recovery: 0 out of 5 outside limits.

12/20/2016 7:00

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay
 Date Extracted: 12/08/2016
 Instrument: 40MSV3
 Lab File ID: 12082016.B\12081606.D

Lab Sample ID: 1442773LCS
 Date Analyzed (1): 12/08/2016
 LCS Lot No: 153247
 SDG No.: 40143087

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	50.0	54.5	109	70-133
1,1-Dichloroethene	50.0	55.3	111	70-130
Tetrachloroethene	50.0	47.4	95	70-138
1,1,1-Trichloroethane	50.0	56.7	113	70-131
Trichloroethene	50.0	52.6	105	70-130

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay
 Date Extracted: 12/08/2016
 Instrument: 40MSVB
 Lab File ID: 12082016.B\12081605.D

Lab Sample ID: 1442775LCS
 Date Analyzed (1): 12/08/2016
 LCS Lot No: 153247
 SDG No.: 40143087

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	50.0	53.2	106	70-133
1,1-Dichloroethene	50.0	48.5	97	70-130
Tetrachloroethene	50.0	50.2	100	70-138
1,1,1-Trichloroethane	50.0	53.7	107	70-131
Trichloroethene	50.0	52.8	106	70-130

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Matrix Spike - Sample No: 1442849MS

Date Extracted: 12/08/2016

Date Analyzed (1): 12/08/2016

Instrument: 40MSVA

Lab File ID: 12082016.B\12081607.D

Parent Sample ID: MW-5B

SDG No.: 40143087

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	<0.50	51.9	104	70-134
1,1-Dichloroethane	50.0	<0.24	47.8	96	70-134
1,1-Dichloroethene	50.0	<0.41	46.7	93	68-136
Tetrachloroethene	50.0	<0.50	53.7	107	70-148
Trichloroethene	50.0	<0.33	53.7	107	70-131

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-2
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 40MSVA Matrix Spike Duplicate - Sample No: 1442850MSD
 Lab File ID (2): 12082016.B\12081608.D Date Analyzed (2): 12/08/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	54.7	109	5	0-20	70-134
1,1-Dichloroethane	50.0	51.0	102	6	0-20	70-134
1,1-Dichloroethene	50.0	50.0	100	7	0-20	68-136
Tetrachloroethene	50.0	52.2	104	3	0-20	70-148
Trichloroethene	50.0	53.2	106	1	0-20	70-131

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Matrix Spike - Sample No: 1442847MS

Date Extracted: 12/08/2016

Date Analyzed (1): 12/08/2016

Instrument: 40MSV3

Lab File ID: 12082016.B\12081607.D

Parent Sample ID: MW-62AR

SDG No.: 40143087

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	<0.50	57.6	115	70-134
1,1-Dichloroethane	50.0	<0.24	54.5	109	70-134
1,1-Dichloroethene	50.0	<0.41	54.6	109	68-136
Tetrachloroethene	50.0	<0.50	50.8	102	70-148
Trichloroethene	50.0	<0.33	54.1	108	70-131

Spike Recovery: 0 out of 5 outside limits.

12/20/2016 6:55

MSV - FORM III VOA-2
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 40MSV3 Matrix Spike Duplicate - Sample No: 1442848MSD
 Lab File ID (2): 12082016.B\12081608.D Date Analyzed (2): 12/08/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	57.3	115	0	0-20	70-134
1,1-Dichloroethane	50.0	54.1	108	1	0-20	70-134
1,1-Dichloroethene	50.0	54.8	110	0	0-20	68-136
Tetrachloroethene	50.0	49.9	100	2	0-20	70-148
Trichloroethene	50.0	54.2	108	0	0-20	70-131

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Matrix Spike - Sample No: 1442816MS

Date Extracted: 12/08/2016

Date Analyzed (1): 12/08/2016

Instrument: 40MSVB

Lab File ID: 12082016.B\12081606.D

Parent Sample ID: MW-70A DUP

SDG No.: 40143087

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	<0.50	54.3	109	70-134
1,1-Dichloroethane	50.0	0.24J	54.0	107	70-134
1,1-Dichloroethene	50.0	<0.41	51.6	103	68-136
Tetrachloroethene	50.0	<0.50	50.8	102	70-148
Trichloroethene	50.0	0.41J	53.9	107	70-131

Spike Recovery: 0 out of 5 outside limits.

12/20/2016 6:54

MSV - FORM III VOA-2
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 40MSVB Matrix Spike Duplicate - Sample No: 1442817MSD
 Lab File ID (2): 12082016.B\12081607.D Date Analyzed (2): 12/08/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	51.7	103	5	0-20	70-134
1,1-Dichloroethane	50.0	51.7	103	4	0-20	70-134
1,1-Dichloroethene	50.0	49.3	99	5	0-20	68-136
Tetrachloroethene	50.0	49.5	99	3	0-20	70-148
Trichloroethene	50.0	50.3	100	7	0-20	70-131

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1442772BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
Instrument ID: 40MSV3 Matrix: Water Lab Sample ID: 1442772
Lab File ID: 12082016.B\12081605.D Date Analyzed: 12/08/2016 Time: 08:51

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1442773LCS	1442773	12082016.B\12081606.D	12/08/2016 09:13
1442847MS	1442847	12082016.B\12081607.D	12/08/2016 09:35
1442848MSD	1442848	12082016.B\12081608.D	12/08/2016 09:57
MW-62AR	40143087006	12082016.B\12081609.D	12/08/2016 10:19
MW-62B	40143087007	12082016.B\12081612.D	12/08/2016 11:26
MW-66A	40143087008	12082016.B\12081613.D	12/08/2016 11:48
MW-66B	40143087009	12082016.B\12081614.D	12/08/2016 12:10
MW-66C	40143087010	12082016.B\12081615.D	12/08/2016 12:32
MH-18	40143087013	12082016.B\12081616.D	12/08/2016 12:54
MW-4A	40143087014	12082016.B\12081617.D	12/08/2016 13:16
MW-4B	40143087015	12082016.B\12081618.D	12/08/2016 13:38
MW-34A	40143087018	12082016.B\12081619.D	12/08/2016 14:00
MW-34B	40143087019	12082016.B\12081620.D	12/08/2016 14:22
MW-34C	40143087020	12082016.B\12081621.D	12/08/2016 14:44
MW-68A	40143087021	12082016.B\12081622.D	12/08/2016 15:06
MW-68B	40143087022	12082016.B\12081623.D	12/08/2016 15:28
EW-1R-76'	40143087001	12082016.B\12081624.D	12/08/2016 15:50
EW-1R-86'	40143087002	12082016.B\12081625.D	12/08/2016 16:12
EW-1R-96'	40143087003	12082016.B\12081626.D	12/08/2016 16:34
EW-2-81'	40143087004	12082016.B\12081627.D	12/08/2016 16:56
EW-2-91'	40143087005	12082016.B\12081628.D	12/08/2016 17:18
EW-5-78'	40143087011	12082016.B\12081629.D	12/08/2016 17:40
EW-5-88'	40143087012	12082016.B\12081630.D	12/08/2016 18:02

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1442774BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
Instrument ID: 40MSVB Matrix: Water Lab Sample ID: 1442774
Lab File ID: 12082016.B\12081604.D Date Analyzed: 12/08/2016 Time: 08:23

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1442775LCS	1442775	12082016.B\12081605.D	12/08/2016 08:44
1442816MS	1442816	12082016.B\12081606.D	12/08/2016 09:06
1442817MSD	1442817	12082016.B\12081607.D	12/08/2016 09:28
MW-70A DUP	40143087024	12082016.B\12081621.D	12/08/2016 14:49
TRIP BLANK	40143087035	12092016.B\12091605.D	12/09/2016 07:11
MW-70A	40143087023	12092016.B\12091607.D	12/09/2016 07:54
MW-70B	40143087025	12092016.B\12091608.D	12/09/2016 08:16
MW-74A	40143087026	12092016.B\12091609.D	12/09/2016 08:38
MW-74B	40143087027	12092016.B\12091610.D	12/09/2016 09:00
MW-76B	40143087030	12092016.B\12091611.D	12/09/2016 09:22
MW-77A	40143087031	12092016.B\12091612.D	12/09/2016 09:43
MW-77B	40143087032	12092016.B\12091613.D	12/09/2016 10:05
MW-77C	40143087033	12092016.B\12091614.D	12/09/2016 10:27
MW-77C DUP	40143087034	12092016.B\12091615.D	12/09/2016 10:49
MW-5A	40143087036	12092016.B\12091616.D	12/09/2016 11:11
MW-76A	40143087029	12092016.B\12091617.D	12/09/2016 11:33

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1442778BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
Instrument ID: 40MSVA Matrix: Water Lab Sample ID: 1442778
Lab File ID: 12082016.B\12081605.D Date Analyzed: 12/08/2016 Time: 08:49

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1442779LCS	1442779	12082016.B\12081606.D	12/08/2016 09:11
1442849MS	1442849	12082016.B\12081607.D	12/08/2016 09:34
1442850MSD	1442850	12082016.B\12081608.D	12/08/2016 09:56
MW-5B	40143087037	12082016.B\12081609.D	12/08/2016 10:19

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 11212016.B\11211621.D BFB Injection Date: 11/21/2016
 Instrument ID: 40MSV3 BFB Injection Time: 08:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	18.08
75	30.00 - 60.00% of mass 95	48.02
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.69 (0.74) ¹
174	50.00 - 100.00% of mass 95	93.00
175	5.00 - 9.00% of mass 174	6.62 (7.12) ¹
176	95.00 - 101.00% of mass 174	90.38 (97.18) ¹
177	5.00 - 9.00% of mass 176	5.93 (6.56) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9203315CAL1	9203315CAL1	11212016.B\11211624.D	11/21/2016	09:45
9203322CAL2	9203322CAL2	11212016.B\11211625.D	11/21/2016	10:07
9203320CAL3	9203320CAL3	11212016.B\11211626.D	11/21/2016	10:29
9203323CAL4	9203323CAL4	11212016.B\11211627.D	11/21/2016	10:51
9203317CAL5	9203317CAL5	11212016.B\11211628.D	11/21/2016	11:13
9203319CAL6	9203319CAL6	11212016.B\11211629.D	11/21/2016	11:35
9203316CAL7	9203316CAL7	11212016.B\11211630.D	11/21/2016	11:57
9203321ICV	9203321ICV	11212016.B\11211633.D	11/21/2016	13:03

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 12082016.B\12081601.D BFB Injection Date: 12/08/2016
 Instrument ID: 40MSV3 BFB Injection Time: 07:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	17.17
75	30.00 - 60.00% of mass 95	46.02
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	7.22
173	Less than 2.00% of mass 174	0.68 (0.73) ¹
174	50.00 - 100.00% of mass 95	93.08
175	5.00 - 9.00% of mass 174	6.46 (6.95) ¹
176	95.00 - 101.00% of mass 174	90.50 (97.22) ¹
177	5.00 - 9.00% of mass 176	6.18 (6.82) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9266899CCV	9266899CCV	12082016.B\12081603.D	12/08/2016	08:07
1442772BLANK	1442772BLANK	12082016.B\12081605.D	12/08/2016	08:51
1442773LCS	1442773LCS	12082016.B\12081606.D	12/08/2016	09:13
1442847MS	1442847MS	12082016.B\12081607.D	12/08/2016	09:35
1442848MSD	1442848MSD	12082016.B\12081608.D	12/08/2016	09:57
MW-62AR	40143087006	12082016.B\12081609.D	12/08/2016	10:19
MW-62B	40143087007	12082016.B\12081612.D	12/08/2016	11:26
MW-66A	40143087008	12082016.B\12081613.D	12/08/2016	11:48
MW-66B	40143087009	12082016.B\12081614.D	12/08/2016	12:10
MW-66C	40143087010	12082016.B\12081615.D	12/08/2016	12:32
MH-18	40143087013	12082016.B\12081616.D	12/08/2016	12:54
MW-4A	40143087014	12082016.B\12081617.D	12/08/2016	13:16
MW-4B	40143087015	12082016.B\12081618.D	12/08/2016	13:38
MW-34A	40143087018	12082016.B\12081619.D	12/08/2016	14:00
MW-34B	40143087019	12082016.B\12081620.D	12/08/2016	14:22
MW-34C	40143087020	12082016.B\12081621.D	12/08/2016	14:44
MW-68A	40143087021	12082016.B\12081622.D	12/08/2016	15:06
MW-68B	40143087022	12082016.B\12081623.D	12/08/2016	15:28
EW-1R-76'	40143087001	12082016.B\12081624.D	12/08/2016	15:50
EW-1R-86'	40143087002	12082016.B\12081625.D	12/08/2016	16:12
EW-1R-96'	40143087003	12082016.B\12081626.D	12/08/2016	16:34
EW-2-81'	40143087004	12082016.B\12081627.D	12/08/2016	16:56
EW-2-91'	40143087005	12082016.B\12081628.D	12/08/2016	17:18

12/20/2016 7:00

MSV - FORM V VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
Lab File ID: 12082016.B\12081601.D BFB Injection Date: 12/08/2016
Instrument ID: 40MSV3 BFB Injection Time: 07:35

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
EW-5-78'	40143087011	12082016.B\12081629.D	12/08/2016	17:40
EW-5-88'	40143087012	12082016.B\12081630.D	12/08/2016	18:02

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 11162016.B\11161611.D BFB Injection Date: 11/16/2016
 Instrument ID: 40MSVA BFB Injection Time: 07:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	19.95
75	30.00 - 60.00% of mass 95	44.70
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	95.92
175	5.00 - 9.00% of mass 174	7.06 (7.36) ¹
176	95.00 - 101.00% of mass 174	93.42 (97.39) ¹
177	5.00 - 9.00% of mass 176	6.04 (6.47) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9179900CAL1	9179900CAL1	11162016.B\11161613.D	11/16/2016	08:29
9179894CAL2	9179894CAL2	11162016.B\11161615.D	11/16/2016	09:14
9179896CAL3	9179896CAL3	11162016.B\11161616.D	11/16/2016	09:36
9179897CAL4	9179897CAL4	11162016.B\11161617.D	11/16/2016	09:58
9179902CAL5	9179902CAL5	11162016.B\11161618.D	11/16/2016	10:20
9179901CAL6	9179901CAL6	11162016.B\11161619.D	11/16/2016	10:43
9179898CAL7	9179898CAL7	11162016.B\11161620.D	11/16/2016	11:05
9179899ICV	9179899ICV	11162016.B\11161623.D	11/16/2016	12:13

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 12082016.B\12081601.D BFB Injection Date: 12/08/2016
 Instrument ID: 40MSVA BFB Injection Time: 07:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	19.86
75	30.00 - 60.00% of mass 95	44.79
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	99.74
175	5.00 - 9.00% of mass 174	7.32 (7.34) ¹
176	95.00 - 101.00% of mass 174	97.67 (97.92) ¹
177	5.00 - 9.00% of mass 176	6.38 (6.53) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9266897CCV	9266897CCV	12082016.B\12081603.D	12/08/2016	08:04
1442778BLANK	1442778BLANK	12082016.B\12081605.D	12/08/2016	08:49
1442779LCS	1442779LCS	12082016.B\12081606.D	12/08/2016	09:11
1442849MS	1442849MS	12082016.B\12081607.D	12/08/2016	09:34
1442850MSD	1442850MSD	12082016.B\12081608.D	12/08/2016	09:56
MW-5B	40143087037	12082016.B\12081609.D	12/08/2016	10:19

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 11142016.B\11141625.D BFB Injection Date: 11/14/2016
 Instrument ID: 40MSVB BFB Injection Time: 11:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	18.31
75	30.00 - 60.00% of mass 95	47.26
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.54
173	Less than 2.00% of mass 174	0.65 (0.79) ¹
174	50.00 - 100.00% of mass 95	82.19
175	5.00 - 9.00% of mass 174	6.10 (7.42) ¹
176	95.00 - 101.00% of mass 174	78.32 (95.29) ¹
177	5.00 - 9.00% of mass 176	5.15 (6.57) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9217125CAL1	9217125CAL1	11142016.B\11141628.D	11/14/2016	12:14
9217124CAL2	9217124CAL2	11142016.B\11141630.D	11/14/2016	12:58
9217127CAL3	9217127CAL3	11142016.B\11141631.D	11/14/2016	13:20
9217142CAL4	9217142CAL4	11142016.B\11141632.D	11/14/2016	13:42
9217145CAL5	9217145CAL5	11142016.B\11141633.D	11/14/2016	14:03
9217144CAL6	9217144CAL6	11142016.B\11141634.D	11/14/2016	14:25
9217141CAL7	9217141CAL7	11142016.B\11141635.D	11/14/2016	14:47
9217143ICV	9217143ICV	11142016.B\11141638.D	11/14/2016	15:53

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 12082016.B\12081601.D BFB Injection Date: 12/08/2016
 Instrument ID: 40MSVB BFB Injection Time: 07:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	18.66
75	30.00 - 60.00% of mass 95	47.35
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.69 (0.82) ¹
174	50.00 - 100.00% of mass 95	83.73
175	5.00 - 9.00% of mass 174	6.26 (7.47) ¹
176	95.00 - 101.00% of mass 174	80.70 (96.38) ¹
177	5.00 - 9.00% of mass 176	5.28 (6.54) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9264748CCV	9264748CCV	12082016.B\12081602.D	12/08/2016	07:39
1442774BLANK	1442774BLANK	12082016.B\12081604.D	12/08/2016	08:23
1442775LCS	1442775LCS	12082016.B\12081605.D	12/08/2016	08:44
1442816MS	1442816MS	12082016.B\12081606.D	12/08/2016	09:06
1442817MSD	1442817MSD	12082016.B\12081607.D	12/08/2016	09:28
MW-70A DUP	40143087024	12082016.B\12081621.D	12/08/2016	14:49

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 12092016.B\12091601.D BFB Injection Date: 12/09/2016
 Instrument ID: 40MSVB BFB Injection Time: 05:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	19.09
75	30.00 - 60.00% of mass 95	48.05
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.69 (0.86) ¹
174	50.00 - 100.00% of mass 95	80.37
175	5.00 - 9.00% of mass 174	6.03 (7.50) ¹
176	95.00 - 101.00% of mass 174	77.14 (95.98) ¹
177	5.00 - 9.00% of mass 176	5.23 (6.78) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9269491CCV	9269491CCV	12092016.B\12091602.D	12/09/2016	06:06
TRIP BLANK	40143087035	12092016.B\12091605.D	12/09/2016	07:11
MW-70A	40143087023	12092016.B\12091607.D	12/09/2016	07:54
MW-70B	40143087025	12092016.B\12091608.D	12/09/2016	08:16
MW-74A	40143087026	12092016.B\12091609.D	12/09/2016	08:38
MW-74B	40143087027	12092016.B\12091610.D	12/09/2016	09:00
MW-76B	40143087030	12092016.B\12091611.D	12/09/2016	09:22
MW-77A	40143087031	12092016.B\12091612.D	12/09/2016	09:43
MW-77B	40143087032	12092016.B\12091613.D	12/09/2016	10:05
MW-77C	40143087033	12092016.B\12091614.D	12/09/2016	10:27
MW-77C DUP	40143087034	12092016.B\12091615.D	12/09/2016	10:49
MW-5A	40143087036	12092016.B\12091616.D	12/09/2016	11:11
MW-76A	40143087029	12092016.B\12091617.D	12/09/2016	11:33

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSV3 GC Column: Col 1 SDG No.: 40143087
 Calibration Date(s): 11/21/2016 11/21/2016 Calibration Time(s): 09:45 11:57

LAB FILE ID

CAL1 = 11212016.B\11211624.D CAL2 = 11212016.B\11211625.D CAL3 = 11212016.B\11211626.D
 CAL4 = 11212016.B\11211627.D CAL5 = 11212016.B\11211628.D CAL6 = 11212016.B\11211629.D
 CAL7 = 11212016.B\11211630.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,1-Dichloroethane	Averaged	0.66779	0.71051	0.73190	0.73549	0.72342	0.71206
1,1-Dichloroethene	Averaged	0.51730	0.63885	0.59974	0.63284	0.62444	0.59649
Tetrachloroethene	Averaged	0.32146	0.34544	0.33771	0.35533	0.35097	0.34486
1,1,1-Trichloroethane	Averaged	0.54988	0.69351	0.68126	0.72683	0.74388	0.75440
Trichloroethene	Averaged	0.27566	0.33032	0.31015	0.33875	0.33992	0.35162
4-Bromofluorobenzene (S)	Averaged	0.42176	0.43211	0.44002	0.45307	0.46472	0.45443
Dibromofluoromethane (S)	Averaged	0.42558	0.44031	0.45404	0.43781	0.44369	0.44334
Toluene-d8 (S)	Averaged	1.25361	1.25868	1.26529	1.28563	1.26223	1.24847

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSV3 GC Column: Col 1 SDG No.: 40143087
 Calibration Date(s): 11/21/2016 11/21/2016 Calibration Time(s): 09:45 11:57

LAB FILE ID

CAL1 = 11212016.B\11211624.D CAL2 = 11212016.B\11211625.D CAL3 = 11212016.B\11211626.D
 CAL4 = 11212016.B\11211627.D CAL5 = 11212016.B\11211628.D CAL6 = 11212016.B\11211629.D
 CAL7 = 11212016.B\11211630.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,1-Dichloroethane	Averaged	0.73493	3.32853			0.71658	
1,1-Dichloroethene	Averaged	0.60342	6.79095			0.60187	
Tetrachloroethene	Averaged	0.35894	3.63675			0.34496	
1,1,1-Trichloroethane	Averaged	0.78851	11.00387			0.70547	
Trichloroethene	Averaged	0.35307	8.34263			0.32850	
4-Bromofluorobenzene (S)	Averaged	0.45985	3.51408			0.44656	
Dibromofluoromethane (S)	Averaged	0.46412	2.75393			0.44413	
Toluene-d8 (S)	Averaged	1.26080	0.93479			1.26210	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSVA GC Column: Col 1 SDG No.: 40143087
 Calibration Date(s): 11/16/2016 11/16/2016 Calibration Time(s): 08:29 11:05

LAB FILE ID

CAL1 = 11162016.B\11161613.D CAL2 = 11162016.B\11161615.D CAL3 = 11162016.B\11161616.D
 CAL4 = 11162016.B\11161617.D CAL5 = 11162016.B\11161618.D CAL6 = 11162016.B\11161619.D
 CAL7 = 11162016.B\11161620.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,1-Dichloroethane	Averaged	1.05534	1.06082	0.84061	1.07455	0.81744	1.05304
1,1-Dichloroethene	Averaged	0.48673	0.53786	0.41526	0.52552	0.40590	0.51743
Tetrachloroethene	Averaged	0.37344	0.39187	0.38964	0.39955	0.39531	0.39528
1,1,1-Trichloroethane	Averaged	0.79466	0.78629	0.64430	0.83921	0.66089	0.86034
Trichloroethene	Averaged	0.35447	0.38186	0.38308	0.40265	0.39447	0.40612
4-Bromofluorobenzene (S)	Averaged	0.45803	0.47342	0.47631	0.47398	0.47769	0.46524
Dibromofluoromethane (S)	Averaged	0.50296	0.51338	0.41340	0.51577	0.40541	0.51210
Toluene-d8 (S)	Averaged	1.24823	1.25377	1.25389	1.26159	1.26503	1.24144

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSVA GC Column: Col 1 SDG No.: 40143087
 Calibration Date(s): 11/16/2016 11/16/2016 Calibration Time(s): 08:29 11:05

LAB FILE ID

CAL1 = 11162016.B\11161613.D CAL2 = 11162016.B\11161615.D CAL3 = 11162016.B\11161616.D
 CAL4 = 11162016.B\11161617.D CAL5 = 11162016.B\11161618.D CAL6 = 11162016.B\11161619.D
 CAL7 = 11162016.B\11161620.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,1-Dichloroethane	Averaged	0.92170	11.51123			0.97479	
1,1-Dichloroethene	Averaged	0.44389	11.42275			0.47608	
Tetrachloroethene	Averaged	0.40363	2.46240			0.39267	
1,1,1-Trichloroethane	Averaged	0.74530	10.93936			0.76157	
Trichloroethene	Averaged	0.41186	5.00288			0.39064	
4-Bromofluorobenzene (S)	Averaged	0.46481	1.55228			0.46993	
Dibromofluoromethane (S)	Averaged	0.42784	10.98035			0.47012	
Toluene-d8 (S)	Averaged	1.25271	0.62786			1.25381	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSVB GC Column: Col 1 SDG No.: 40143087
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 12:14 14:47

LAB FILE ID

CAL1 = 11142016.B\11141628.D CAL2 = 11142016.B\11141630.D CAL3 = 11142016.B\11141631.D
 CAL4 = 11142016.B\11141632.D CAL5 = 11142016.B\11141633.D CAL6 = 11142016.B\11141634.D
 CAL7 = 11142016.B\11141635.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,1-Dichloroethane	Averaged	1.14404	1.26332	1.14585	1.12613	1.11301	1.08510
1,1-Dichloroethene	Averaged	0.54522	0.55181	0.46637	0.48379	0.48533	0.48730
Tetrachloroethene	Averaged	0.35914	0.36335	0.32510	0.32394	0.33516	0.33925
1,1,1-Trichloroethane	Averaged	0.84076	0.86465	0.76881	0.81457	0.83614	0.85091
Trichloroethene	Averaged	0.44304	0.42292	0.36366	0.37158	0.38767	0.39701
4-Bromofluorobenzene (S)	Averaged	0.45077	0.45857	0.48286	0.49969	0.49899	0.48901
Dibromofluoromethane (S)	Averaged	0.49802	0.49956	0.49591	0.49824	0.49893	0.49547
Toluene-d8 (S)	Averaged	1.34377	1.31590	1.32243	1.34151	1.34059	1.33363

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSVB GC Column: Col 1 SDG No.: 40143087
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 12:14 14:47

LAB FILE ID

CAL1 = 11142016.B\11141628.D CAL2 = 11142016.B\11141630.D CAL3 = 11142016.B\11141631.D
 CAL4 = 11142016.B\11141632.D CAL5 = 11142016.B\11141633.D CAL6 = 11142016.B\11141634.D
 CAL7 = 11142016.B\11141635.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,1-Dichloroethane	Averaged	1.00728	6.82973			1.12639	
1,1-Dichloroethene	Averaged	0.44042	8.18534			0.49432	
Tetrachloroethene	Averaged	0.32363	4.92571			0.33851	
1,1,1-Trichloroethane	Averaged	0.80747	3.88467			0.82619	
Trichloroethene	Averaged	0.38341	7.15527			0.39561	
4-Bromofluorobenzene (S)	Averaged	0.49141	4.03242			0.48161	
Dibromofluoromethane (S)	Averaged	0.48459	1.04369			0.49582	
Toluene-d8 (S)	Averaged	1.30974	1.02436			1.32965	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

9203321ICV

Lab Name: Pace Analytical - Green Bay Calibration Date: 11/21/2016 Time: 13:03
 Instrument ID: 40MSV3 GC Column: Col 1 Init. Calib. Date(s): 11/21/2016 11/21/2016
 Lab File ID: 11212016.B\11211633.D Init. Calib. Time(s): 09:45 11:57
 SDG No.: 40143087

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	0.71658	0.69872	0.1000	-2.4926	50.0000
1,1-Dichloroethene	Averaged	0.60187	0.57792	0.0100	-3.9790	20.0000
Tetrachloroethene	Averaged	0.34496	0.32199	0.0100	-6.6575	50.0000
1,1,1-Trichloroethane	Averaged	0.70547	0.69162	0.0100	-1.9623	50.0000
Trichloroethene	Averaged	0.32850	0.31677	0.0100	-3.5716	50.0000
4-Bromofluorobenzene (S)	Averaged	0.44656	0.44395	0.2000	-0.5843	50.0000
Dibromofluoromethane (S)	Averaged	0.44413	0.45051	0.2000	1.4374	50.0000
Toluene-d8 (S)	Averaged	1.26210	1.26202	0.2000	-0.0066	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:54

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

9266899CCV

Lab Name: Pace Analytical - Green Bay Calibration Date: 12/08/2016 Time: 08:07
 Instrument ID: 40MSV3 GC Column: Col 1 Init. Calib. Date(s): 11/21/2016 11/21/2016
 Lab File ID: 12082016.B\12081603.D Init. Calib. Time(s): 09:45 11:57
 SDG No.: 40143087

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	0.71658	0.71572	0.1000	-0.1214	50.0000
1,1-Dichloroethene	Averaged	0.60187	0.61008	0.0100	1.3643	20.0000
Tetrachloroethene	Averaged	0.34496	0.31644	0.0100	-8.2684	50.0000
1,1,1-Trichloroethane	Averaged	0.70547	0.74134	0.0100	5.0850	50.0000
Trichloroethene	Averaged	0.32850	0.32437	0.0100	-1.2582	50.0000
4-Bromofluorobenzene (S)	Averaged	0.44656	0.44250	0.2000	-0.9093	50.0000
Dibromofluoromethane (S)	Averaged	0.44413	0.44995	0.2000	1.3118	50.0000
Toluene-d8 (S)	Averaged	1.26210	1.17365	0.2000	-7.0086	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 7:00

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

9179899ICV

Lab Name: Pace Analytical - Green Bay Calibration Date: 11/16/2016 Time: 12:13
 Instrument ID: 40MSVA GC Column: Col 1 Init. Calib. Date(s): 11/16/2016 11/16/2016
 Lab File ID: 11162016.B\11161623.D Init. Calib. Time(s): 08:29 11:05
 SDG No.: 40143087

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	0.97479	0.80322	0.1000	-17.6001	50.0000
1,1-Dichloroethene	Averaged	0.47608	0.38677	0.0100	-18.7609	20.0000
Tetrachloroethene	Averaged	0.39267	0.37521	0.0100	-4.4486	50.0000
1,1,1-Trichloroethane	Averaged	0.76157	0.61165	0.0100	-19.6856	50.0000
Trichloroethene	Averaged	0.39064	0.37947	0.0100	-2.8600	50.0000
4-Bromofluorobenzene (S)	Averaged	0.46993	0.47751	0.2000	1.6129	50.0000
Dibromofluoromethane (S)	Averaged	0.47012	0.40534	0.2000	-13.7790	50.0000
Toluene-d8 (S)	Averaged	1.25381	1.26983	0.2000	1.2776	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 7:00

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

9266897CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 12/08/2016 Time: 08:04

Instrument ID: 40MSVA GC Column: Col 1

Init. Calib. Date(s): 11/16/2016 11/16/2016

Lab File ID: 12082016.B\12081603.D

Init. Calib. Time(s): 08:29 11:05

SDG No.: 40143087

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	0.97479	1.00281	0.1000	2.8753	50.0000
1,1-Dichloroethene	Averaged	0.47608	0.51030	0.0100	7.1880	20.0000
Tetrachloroethene	Averaged	0.39267	0.39921	0.0100	1.6639	50.0000
1,1,1-Trichloroethane	Averaged	0.76157	0.85366	0.0100	12.0922	50.0000
Trichloroethene	Averaged	0.39064	0.38116	0.0100	-2.4273	50.0000
4-Bromofluorobenzene (S)	Averaged	0.46993	0.48937	0.2000	4.1366	50.0000
Dibromofluoromethane (S)	Averaged	0.47012	0.53702	0.2000	14.2299	50.0000
Toluene-d8 (S)	Averaged	1.25381	1.22739	0.2000	-2.1072	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 7:00

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

9217143ICV

Lab Name: Pace Analytical - Green Bay Calibration Date: 11/14/2016 Time: 15:53
 Instrument ID: 40MSVB GC Column: Col 1 Init. Calib. Date(s): 11/14/2016 11/14/2016
 Lab File ID: 11142016.B\11141638.D Init. Calib. Time(s): 12:14 14:47
 SDG No.: 40143087

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.12639	1.06487	0.1000	-5.4613	50.0000
1,1-Dichloroethene	Averaged	0.49432	0.45968	0.0100	-7.0074	20.0000
Tetrachloroethene	Averaged	0.33851	0.32059	0.0100	-5.2939	50.0000
1,1,1-Trichloroethane	Averaged	0.82619	0.77552	0.0100	-6.1328	50.0000
Trichloroethene	Averaged	0.39561	0.37194	0.0100	-5.9829	50.0000
4-Bromofluorobenzene (S)	Averaged	0.48161	0.47876	0.2000	-0.5923	50.0000
Dibromofluoromethane (S)	Averaged	0.49582	0.48560	0.2000	-2.0605	50.0000
Toluene-d8 (S)	Averaged	1.32965	1.31881	0.2000	-0.8156	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 7:00

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

9264748CCV

Lab Name: Pace Analytical - Green Bay Calibration Date: 12/08/2016 Time: 07:39
 Instrument ID: 40MSVB GC Column: Col 1 Init. Calib. Date(s): 11/14/2016 11/14/2016
 Lab File ID: 12082016.B\12081602.D Init. Calib. Time(s): 12:14 14:47
 SDG No.: 40143087

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.12639	1.16075	0.1000	3.0505	50.0000
1,1-Dichloroethene	Averaged	0.49432	0.48376	0.0100	-2.1356	20.0000
Tetrachloroethene	Averaged	0.33851	0.37118	0.0100	9.6496	50.0000
1,1,1-Trichloroethane	Averaged	0.82619	0.88687	0.0100	7.3454	50.0000
Trichloroethene	Averaged	0.39561	0.41964	0.0100	6.0727	50.0000
4-Bromofluorobenzene (S)	Averaged	0.48161	0.50854	0.2000	5.5912	50.0000
Dibromofluoromethane (S)	Averaged	0.49582	0.48978	0.2000	-1.2178	50.0000
Toluene-d8 (S)	Averaged	1.32965	1.28927	0.2000	-3.0368	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 7:00

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

9269491CCV

Lab Name: Pace Analytical - Green Bay Calibration Date: 12/09/2016 Time: 06:06
 Instrument ID: 40MSVB GC Column: Col 1 Init. Calib. Date(s): 11/14/2016 11/14/2016
 Lab File ID: 12092016.B\12091602.D Init. Calib. Time(s): 12:14 14:47
 SDG No.: 40143087

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.12639	1.29806	0.1000	15.2405	50.0000
1,1-Dichloroethene	Averaged	0.49432	0.52508	0.0100	6.2220	20.0000
Tetrachloroethene	Averaged	0.33851	0.38165	0.0100	12.7429	50.0000
1,1,1-Trichloroethane	Averaged	0.82619	0.94892	0.0100	14.8553	50.0000
Trichloroethene	Averaged	0.39561	0.42698	0.0100	7.9290	50.0000
4-Bromofluorobenzene (S)	Averaged	0.48161	0.51830	0.2000	7.6170	50.0000
Dibromofluoromethane (S)	Averaged	0.49582	0.52469	0.2000	5.8240	50.0000
Toluene-d8 (S)	Averaged	1.32965	1.31945	0.2000	-0.7672	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:54

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9266899CCV Date Analyzed: 12/08/2016
 Instrument ID: 40MSV3 GC Column: Col 1 Time Analyzed: 08:07
 Lab File ID: 12082016.B\12081603.D

		AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT	AREA PFB	RT
12 HOUR STD		375538	8.933	218754	12.316	377046	5.172	239763	4.416
UPPER LIMIT		751076	9.433	437508	12.816	754092	5.672	479526	4.916
LOWER LIMIT		187769	8.433	109377	11.816	188523	4.672	119881.5	3.916
LAB SAMPLE ID	SAMPLE NO.								
1442772	1442772BLANK	355159	8.927	183311	12.316	354918	5.165	221932	4.416
1442773	1442773LCS	336905	8.927	187126	12.316	335579	5.165	213478	4.415
1442847	1442847MS	347031	8.927	189308	12.316	345246	5.165	219664	4.416
1442848	1442848MSD	345666	8.927	188469	12.316	340976	5.165	218761	4.416
40143087001	EW-1R-76'	312730	8.927	156045	12.316	307520	5.165	195329	4.415
40143087002	EW-1R-86'	299319	8.927	149836	12.316	297544	5.165	188224	4.416
40143087003	EW-1R-96'	312495	8.927	156394	12.316	306935	5.165	195860	4.415
40143087004	EW-2-81'	309161	8.927	153603	12.316	304393	5.165	190313	4.416
40143087005	EW-2-91'	298778	8.927	151554	12.316	298233	5.171	191931	4.415
40143087006	MW-62AR	331702	8.927	165115	12.316	323186	5.165	207219	4.415
40143087007	MW-62B	325808	8.927	167753	12.316	322164	5.165	207452	4.415
40143087008	MW-66A	333078	8.927	164644	12.316	326536	5.165	209953	4.415
40143087009	MW-66B	316490	8.927	158723	12.316	313672	5.165	201712	4.415
40143087010	MW-66C	320119	8.927	163149	12.31	315065	5.165	204302	4.416
40143087011	EW-5-78'	301727	8.927	153082	12.316	299559	5.165	189488	4.415
40143087012	EW-5-88'	292010	8.927	150668	12.316	298986	5.171	186245	4.415
40143087013	MH-18	311469	8.927	159809	12.316	311456	5.165	195124	4.415
40143087014	MW-4A	316172	8.933	160524	12.316	315266	5.165	198587	4.416
40143087015	MW-4B	310209	8.927	154066	12.316	313557	5.165	198230	4.416
40143087018	MW-34A	318870	8.927	160901	12.316	311894	5.165	199108	4.415
40143087019	MW-34B	311563	8.933	154141	12.316	307093	5.172	197160	4.416
40143087020	MW-34C	313308	8.927	159037	12.316	312869	5.165	199634	4.415
40143087021	MW-68A	308272	8.927	154414	12.316	306337	5.165	193453	4.416
40143087022	MW-68B	306640	8.927	155168	12.316	304347	5.171	194121	4.415

CBZ = Chlorobenzene-D5 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 DFB = 1,4-Difluorobenzene (IS)
 PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9266897CCV Date Analyzed: 12/08/2016
 Instrument ID: 40MSVA GC Column: Col 1 Time Analyzed: 08:04
 Lab File ID: 12082016.B\12081603.D

		AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT	AREA PFB	RT
12 HOUR STD		336344	9.262	208655	13.011	376418	4.958	214364	4.044
UPPER LIMIT		672688	9.762	417310	13.511	752836	5.458	428728	4.544
LOWER LIMIT		168172	8.762	104327.5	12.511	188209	4.458	107182	3.544
LAB SAMPLE ID	SAMPLE NO.								
1442778	1442778BLANK	314333	9.262	165214	13.011	343791	4.958	209139	4.044
1442779	1442779LCS	328869	9.262	192050	13.011	348502	4.958	206929	4.044
1442849	1442849MS	333148	9.262	194844	13.011	359918	4.958	238662	4.043
1442850	1442850MSD	338258	9.262	201256	13.011	360860	4.958	224912	4.043
40143087037	MW-5B	324464	9.262	174136	13.011	350012	4.958	211041	4.043

CBZ = Chlorobenzene-D5 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 DFB = 1,4-Difluorobenzene (IS)
 PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9264748CCV Date Analyzed: 12/08/2016
 Instrument ID: 40MSVB GC Column: Col 1 Time Analyzed: 07:39
 Lab File ID: 12082016.B\12081602.D

		AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT	AREA PFB	RT
12 HOUR STD		460811	9.299	249875	13.036	484226	4.988	312591	4.074
UPPER LIMIT		921622	9.799	499750	13.536	968452	5.488	625182	4.574
LOWER LIMIT		230405.5	8.799	124937.5	12.536	242113	4.488	156295.5	3.574
LAB SAMPLE ID	SAMPLE NO.								
1442774	1442774BLANK	435900	9.299	200445	13.036	467919	4.994	298533	4.08
1442775	1442775LCS	455803	9.299	227453	13.036	475502	4.995	308680	4.08
1442816	1442816MS	448345	9.298	226840	13.036	463876	4.994	301298	4.074
1442817	1442817MSD	449586	9.299	225131	13.036	475198	4.995	306192	4.074
40143087024	MW-70A DUP	379219	9.293	170517	13.03	424768	4.989	267073	4.068

CBZ = Chlorobenzene-D5 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 DFB = 1,4-Difluorobenzene (IS)
 PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9269491CCV Date Analyzed: 12/09/2016
 Instrument ID: 40MSVB GC Column: Col 1 Time Analyzed: 06:06
 Lab File ID: 12092016.B\12091602.D

		AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT	AREA PFB	RT
12 HOUR STD		442013	9.28	244726	13.024	450859	4.976	282993	4.062
UPPER LIMIT		884026	9.78	489452	13.524	901718	5.476	565986	4.562
LOWER LIMIT		221006.5	8.78	122363	12.524	225429.5	4.476	141496.5	3.562
LAB SAMPLE ID	SAMPLE NO.								
40143087023	MW-70A	392644	9.286	180009	13.024	418365	4.982	270905	4.068
40143087025	MW-70B	423561	9.287	196204	13.024	451790	4.982	284297	4.068
40143087026	MW-74A	390566	9.286	175043	13.024	415422	4.982	258837	4.068
40143087027	MW-74B	407127	9.286	182815	13.023	420568	4.982	264205	4.068
40143087029	MW-76A	376602	9.286	168226	13.029	392701	4.982	245242	4.068
40143087030	MW-76B	421066	9.286	186264	13.023	442948	4.982	281300	4.068
40143087031	MW-77A	395082	9.286	176574	13.023	415523	4.982	260050	4.068
40143087032	MW-77B	386030	9.286	170140	13.023	399994	4.982	252328	4.068
40143087033	MW-77C	376233	9.286	170181	13.023	398105	4.982	250825	4.068
40143087034	MW-77C DUP	373339	9.286	174894	13.029	401410	4.982	250128	4.068
40143087035	TRIP BLANK	415960	9.286	186839	13.03	443162	4.982	274669	4.068
40143087036	MW-5A	383596	9.286	158408	13.024	400016	4.982	252810	4.068

CBZ = Chlorobenzene-D5 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 DFB = 1,4-Difluorobenzene (IS)
 PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-1R-76'

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 15:50 Lab Sample ID: 40143087001
Date Analyzed: 12/08/2016 15:50 Lab File ID: 12082016.B\12081624.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-1R-86'

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 16:12
Date Analyzed: 12/08/2016 16:12
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087002
Lab File ID: 12082016.B\12081625.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-1R-96'

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 16:34
Date Analyzed: 12/08/2016 16:34
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087003
Lab File ID: 12082016.B\12081626.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-2-81'

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 16:56 Lab Sample ID: 40143087004
Date Analyzed: 12/08/2016 16:56 Lab File ID: 12082016.B\12081627.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-2-91'

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 17:18
Date Analyzed: 12/08/2016 17:18
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087005
Lab File ID: 12082016.B\12081628.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-62AR

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 10:19
Date Analyzed: 12/08/2016 10:19
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087006
Lab File ID: 12082016.B\12081609.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-62B

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 11:26
Date Analyzed: 12/08/2016 11:26
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087007
Lab File ID: 12082016.B\12081612.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-66A

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 11:48
Date Analyzed: 12/08/2016 11:48
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087008
Lab File ID: 12082016.B\12081613.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-66B

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 12:10
Date Analyzed: 12/08/2016 12:10
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087009
Lab File ID: 12082016.B\12081614.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-66C

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 12:32 Lab Sample ID: 40143087010
Date Analyzed: 12/08/2016 12:32 Lab File ID: 12082016.B\12081615.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-5-78'

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 17:40
Date Analyzed: 12/08/2016 17:40
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087011
Lab File ID: 12082016.B\12081629.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.75	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-5-88'

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 18:02 Lab Sample ID: 40143087012
Date Analyzed: 12/08/2016 18:02 Lab File ID: 12082016.B\12081630.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MH-18

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 12:54 Lab Sample ID: 40143087013
Date Analyzed: 12/08/2016 12:54 Lab File ID: 12082016.B\12081616.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	0.70	J
79-01-6	Trichloroethene	0.54	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 13:16 Lab Sample ID: 40143087014
Date Analyzed: 12/08/2016 13:16 Lab File ID: 12082016.B\12081617.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 13:38 Lab Sample ID: 40143087015
Date Analyzed: 12/08/2016 13:38 Lab File ID: 12082016.B\12081618.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.43	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-34A

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 14:00
Date Analyzed: 12/08/2016 14:00
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087018
Lab File ID: 12082016.B\12081619.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-34B

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 14:22
Date Analyzed: 12/08/2016 14:22
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087019
Lab File ID: 12082016.B\12081620.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-34C

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 14:44
Date Analyzed: 12/08/2016 14:44
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087020
Lab File ID: 12082016.B\12081621.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-68A

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 15:06
Date Analyzed: 12/08/2016 15:06
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087021
Lab File ID: 12082016.B\12081622.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.35	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-68B

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 15:28
Date Analyzed: 12/08/2016 15:28
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087022
Lab File ID: 12082016.B\12081623.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-70A

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/09/2016 07:54
Date Analyzed: 12/09/2016 07:54
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087023
Lab File ID: 12092016.B\12091607.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	0.26	J
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.61	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-70A DUP

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/08/2016 14:49
Date Analyzed: 12/08/2016 14:49
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087024
Lab File ID: 12082016.B\12081621.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	0.24	J
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.41	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-70B

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/09/2016 08:16
Date Analyzed: 12/09/2016 08:16
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087025
Lab File ID: 12092016.B\12091608.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-74A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/09/2016 08:38 Lab Sample ID: 40143087026
Date Analyzed: 12/09/2016 08:38 Lab File ID: 12092016.B\12091609.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-74B

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/09/2016 09:00
Date Analyzed: 12/09/2016 09:00
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087027
Lab File ID: 12092016.B\12091610.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-76A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/09/2016 11:33 Lab Sample ID: 40143087029
Date Analyzed: 12/09/2016 11:33 Lab File ID: 12092016.B\12091617.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-76B

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/09/2016 09:22
Date Analyzed: 12/09/2016 09:22
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087030
Lab File ID: 12092016.B\12091611.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-77A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/09/2016 09:43 Lab Sample ID: 40143087031
Date Analyzed: 12/09/2016 09:43 Lab File ID: 12092016.B\12091612.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.51	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-77B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/09/2016 10:05 Lab Sample ID: 40143087032
Date Analyzed: 12/09/2016 10:05 Lab File ID: 12092016.B\12091613.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	1.4	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-77C

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/09/2016 10:27 Lab Sample ID: 40143087033
Date Analyzed: 12/09/2016 10:27 Lab File ID: 12092016.B\12091614.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.60	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-77C DUP

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/09/2016 10:49
Date Analyzed: 12/09/2016 10:49
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087034
Lab File ID: 12092016.B\12091615.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.52	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: 12/07/2016 07:30
Date Extracted: 12/09/2016 07:11
Date Analyzed: 12/09/2016 07:11
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143087
Lab Sample ID: 40143087035
Lab File ID: 12092016.B\12091605.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-5A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/09/2016 11:11 Lab Sample ID: 40143087036
Date Analyzed: 12/09/2016 11:11 Lab File ID: 12092016.B\12091616.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-5B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 10:19 Lab Sample ID: 40143087037
Date Analyzed: 12/08/2016 10:19 Lab File ID: 12082016.B\12081609.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVA Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: _____ Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 08:51 Lab Sample ID: 1442772
Date Analyzed: 12/08/2016 08:51 Lab File ID: 12082016.B\12081605.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: _____ Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 08:23 Lab Sample ID: 1442774
Date Analyzed: 12/08/2016 08:23 Lab File ID: 12082016.B\12081604.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: _____ Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 08:49 Lab Sample ID: 1442778
Date Analyzed: 12/08/2016 08:49 Lab File ID: 12082016.B\12081605.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVA Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSS8

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD6	TD14
1442839	1442839BLANK	76	84	41	72	26	91
1442840	1442840LCS	108	97	47	92	37	96
1442841	1442841LCSD	113	91	60	86	41	95
40143087018	MW-34A	92	82	38	81	24	89
40143087022	MW-68B	107	91	46	76	28	89
40143087029	MW-76A	117	93	44	79	28	91
40143087032	MW-77B	112	87	47	80	26	86

QC LIMITS

(24B6) = 2,4,6-Tribromophenol (S)

(42-140)

(2FBP) = 2-Fluorobiphenyl (S)

(41-130)

(2FPH) = 2-Fluorophenol (S)

(27-130)

(NIT5) = Nitrobenzene-d5 (S)

(43-130)

(PHD6) = Phenol-d6 (S)

(15-130)

(TD14) = Terphenyl-d14 (S)

(49-130)

* Values outside of QC Limits

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1442839BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
Instrument ID: 40MSS8 Matrix: Water Lab Sample ID: 1442839
Lab File ID: 120816.B\12081611.D Date Analyzed: 12/08/2016 Time: 15:23

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1442840LCS	1442840	120816.B\12081625.D	12/08/2016 20:23
1442841LCSD	1442841	120816.B\12081626.D	12/08/2016 20:44
MW-34A	40143087018	121216.B\12121631.D	12/12/2016 19:10
MW-68B	40143087022	121216.B\12121632.D	12/12/2016 19:31
MW-76A	40143087029	121216.B\12121633.D	12/12/2016 19:52
MW-77B	40143087032	121216.B\12121634.D	12/12/2016 20:14

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 111416.B\11141620.D DFTPP Injection Date: 11/14/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 14:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	35.20
68	Less than 2.00% of mass 69	0.50 (1.32) ¹
69	Mass 69 relative abundance	37.99
70	Less than 2.00% of mass 69	0.23 (0.62) ¹
127	10.00 - 80.00% of mass 198	48.22
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 60.00% of mass 198	27.24
365	Greater than 1.00% of mass 198	4.23
441	Present, but less than mass 443	14.16
442	Greater than 50.00% of mass 198	91.99
443	15.00 - 24.00% of mass 442	17.93 (19.50) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9169914CAL7	9169914CAL7	111416.B\11141621.D	11/14/2016	14:40
9169912CAL6	9169912CAL6	111416.B\11141622.D	11/14/2016	15:01
9169922CAL5	9169922CAL5	111416.B\11141623.D	11/14/2016	15:23
9169911CAL4	9169911CAL4	111416.B\11141624.D	11/14/2016	15:44
9169915CAL3	9169915CAL3	111416.B\11141625.D	11/14/2016	16:06
9169918CAL2	9169918CAL2	111416.B\11141626.D	11/14/2016	16:28
9169905CAL1	9169905CAL1	111416.B\11141627.D	11/14/2016	16:49
9169916ICV	9169916ICV	111416.B\11141628.D	11/14/2016	17:11

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 120816.B\12081605.D DFTPP Injection Date: 12/08/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 12:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	38.92
68	Less than 2.00% of mass 69	0.74 (1.75) ¹
69	Mass 69 relative abundance	42.44
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	10.00 - 80.00% of mass 198	50.19
197	Less than 2.00% of mass 198	0.49
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	7.89
275	10.00 - 60.00% of mass 198	30.81
365	Greater than 1.00% of mass 198	5.13
441	Present, but less than mass 443	15.90
442	Greater than 50.00% of mass 198	90.11
443	15.00 - 24.00% of mass 442	18.08 (20.07) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9275518CCV	9275518CCV	120816.B\12081607.D	12/08/2016	12:53
1442839BLANK	1442839BLANK	120816.B\12081611.D	12/08/2016	15:23
1442840LCS	1442840LCS	120816.B\12081625.D	12/08/2016	20:23
1442841LCSD	1442841LCSD	120816.B\12081626.D	12/08/2016	20:44

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 121216.B\12121612.D DFTPP Injection Date: 12/12/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 12:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	35.30
68	Less than 2.00% of mass 69	0.37 (0.97) ¹
69	Mass 69 relative abundance	38.08
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	10.00 - 80.00% of mass 198	48.50
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	7.29
275	10.00 - 60.00% of mass 198	29.09
365	Greater than 1.00% of mass 198	4.89
441	Present, but less than mass 443	15.85
442	Greater than 50.00% of mass 198	105.86
443	15.00 - 24.00% of mass 442	21.30 (20.12) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9280580CCV	9280580CCV	121216.B\12121613.D	12/12/2016	12:48
MW-34A	40143087018	121216.B\12121631.D	12/12/2016	19:10
MW-68B	40143087022	121216.B\12121632.D	12/12/2016	19:31
MW-76A	40143087029	121216.B\12121633.D	12/12/2016	19:52
MW-77B	40143087032	121216.B\12121634.D	12/12/2016	20:14

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40143087
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 14:40 16:49

LAB FILE ID

CAL1 = 111416.B\11141627.D CAL2 = 111416.B\11141626.D CAL3 = 111416.B\11141625.D
 CAL4 = 111416.B\11141624.D CAL5 = 111416.B\11141623.D CAL6 = 111416.B\11141622.D
 CAL7 = 111416.B\11141621.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,4-Dioxane (p-Dioxane)	Averaged	0.64117	0.63127	0.66340	0.60710	0.64349	0.61637
2-Fluorobiphenyl (S)	Averaged	1.61692	1.56548	1.39054	1.36167	1.31622	1.28102
2-Fluorophenol (S)	Averaged	1.11269	1.25701	1.20781	1.22458	1.30918	1.24206
Nitrobenzene-d5 (S)	Averaged	0.41056	0.42358	0.39790	0.36335	0.39313	0.37751
Phenol-d6 (S)	Averaged	1.56216	1.59876	1.54929	1.54911	1.56819	1.47077
Terphenyl-d14 (S)	Averaged	1.03656	1.04121	0.88774	0.89218	0.89417	0.90607
2,4,6-Tribromophenol (S)	Averaged	0.21905	0.25743	0.23033	0.24752	0.24080	0.25260

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:54

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40143087
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 14:40 16:49

LAB FILE ID

CAL1 = 111416.B\11141627.D CAL2 = 111416.B\11141626.D CAL3 = 111416.B\11141625.D
 CAL4 = 111416.B\11141624.D CAL5 = 111416.B\11141623.D CAL6 = 111416.B\11141622.D
 CAL7 = 111416.B\11141621.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,4-Dioxane (p-Dioxane)	Averaged	0.59381	3.80011			0.62809	
2-Fluorobiphenyl (S)	Averaged	1.24651	10.15184			1.39691	
2-Fluorophenol (S)	Averaged	1.28612	5.17259			1.23421	
Nitrobenzene-d5 (S)	Averaged	0.38211	5.20380			0.39259	
Phenol-d6 (S)	Averaged	1.56698	2.54871			1.55218	
Terphenyl-d14 (S)	Averaged	0.84332	8.37464			0.92875	
2,4,6-Tribromophenol (S)	Averaged	0.23070	5.74547			0.23978	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:54

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

9169916ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 11/14/2016 Time: 17:11

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 11/14/2016 11/14/2016

Lab File ID: 111416.B\11141628.D

Init. Calib. Time(s): 14:40 21:53

SDG No.: 40143087

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.62809	0.63819	0.0500	1.6081	50.0000
2-Fluorobiphenyl (S)	Averaged	1.39691	1.44027	0.0500	3.1042	50.0000
2-Fluorophenol (S)	Averaged	1.23421	1.26167	0.0500	2.2249	50.0000
Nitrobenzene-d5 (S)	Averaged	0.39259	0.39872	0.0500	1.5606	50.0000
Phenol-d6 (S)	Averaged	1.55218	1.60375	0.0500	3.3223	50.0000
Terphenyl-d14 (S)	Averaged	0.92875	0.88112	0.0500	-5.1284	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.23978	0.22047	0.0500	-8.0499	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:54

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

9275518CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 12/08/2016 Time: 12:53

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 11/14/2016 11/14/2016

Lab File ID: 120816.B\12081607.D

Init. Calib. Time(s): 14:40 21:53

SDG No.: 40143087

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.62809	0.70728	0.0500	12.6091	50.0000
2-Fluorobiphenyl (S)	Averaged	1.39691	1.51501	0.0500	8.4542	50.0000
2-Fluorophenol (S)	Averaged	1.23421	1.19467	0.0500	-3.2033	50.0000
Nitrobenzene-d5 (S)	Averaged	0.39259	0.39146	0.0500	-0.2875	50.0000
Phenol-d6 (S)	Averaged	1.55218	1.53467	0.0500	-1.1279	50.0000
Terphenyl-d14 (S)	Averaged	0.92875	0.95501	0.0500	2.8276	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.23978	0.24609	0.0500	2.6322	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:54

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

9280580CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 12/12/2016 Time: 12:48

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 11/14/2016 11/14/2016

Lab File ID: 121216.B\12121613.D

Init. Calib. Time(s): 14:40 21:53

SDG No.: 40143087

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.62809	0.79350	0.0500	26.3357	50.0000
2-Fluorobiphenyl (S)	Averaged	1.39691	1.54583	0.0500	10.6606	50.0000
2-Fluorophenol (S)	Averaged	1.23421	1.20588	0.0500	-2.2950	50.0000
Nitrobenzene-d5 (S)	Averaged	0.39259	0.39785	0.0500	1.3391	50.0000
Phenol-d6 (S)	Averaged	1.55218	1.33603	0.0500	-13.9253	50.0000
Terphenyl-d14 (S)	Averaged	0.92875	0.90720	0.0500	-2.3206	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.23978	0.27948	0.0500	16.5603	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:54

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9275518CCV Date Analyzed: 12/08/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 12:53
 Lab File ID: 120816.B\12081607.D

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		107292	6.245	193747	10.127	44600	3.84	178118	4.822
UPPER LIMIT		214584	6.745	387494	10.627	89200	4.34	356236	5.322
LOWER LIMIT		53646	5.745	96873.5	9.627	22300	3.34	89059	4.322
LAB SAMPLE ID	SAMPLE NO.								
1442839	1442839BLANK	38030*	6.251	72706*	10.127	19886*	3.84	70779*	4.828
1442840	1442840LCS	57342	6.245	124594	10.122	28513	3.84	109245	4.822
1442841	1442841LCSD	75574	6.245	155686	10.122	36101	3.84	146035	4.822

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9275518CCV Date Analyzed: 12/08/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 12:53
 Lab File ID: 120816.B\12081607.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		200817	7.469	188171	12.639
UPPER LIMIT		401634	7.969	376342	13.139
LOWER LIMIT		100408.5	6.969	94085.5	12.139
LAB SAMPLE ID	SAMPLE NO.				
1442839	1442839BLANK	80786*	7.475	69606*	12.639
1442840	1442840LCS	120633	7.469	130808	12.633
1442841	1442841LCSD	152539	7.469	159078	12.633

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9280580CCV Date Analyzed: 12/12/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 12:48
 Lab File ID: 121216.B\12121613.D

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		129705	6.234	281173	10.104	55486	3.822	195884	4.81
UPPER LIMIT		259410	6.734	562346	10.604	110972	4.322	391768	5.31
LOWER LIMIT		64852.5	5.734	140586.5	9.604	27743	3.322	97942	4.31
LAB SAMPLE ID	SAMPLE NO.								
40143087018	MW-34A	99828	6.234	220237	10.098	52382	3.822	183205	4.81
40143087022	MW-68B	97745	6.234	217487	10.098	49903	3.822	186117	4.81
40143087029	MW-76A	69561	6.234	154455	10.098	37424	3.822	132798	4.81
40143087032	MW-77B	93975	6.234	203528	10.092	47930	3.822	170425	4.81

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143087 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9280580CCV Date Analyzed: 12/12/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 12:48
 Lab File ID: 121216.B\12121613.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		254908	7.457	272378	12.598
UPPER LIMIT		509816	7.957	544756	13.098
LOWER LIMIT		127454	6.957	136189	12.098
LAB SAMPLE ID	SAMPLE NO.				
40143087018	MW-34A	217343	7.451	217095	12.598
40143087022	MW-68B	199876	7.451	230272	12.598
40143087029	MW-76A	152186	7.451	158277	12.598
40143087032	MW-77B	190507	7.451	220230	12.598

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-34A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 08:19 Lab Sample ID: 40143087018
Date Analyzed: 12/12/2016 19:10 Lab File ID: 121216.B\12121631.D
Initial wt/vol: 1040 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.9	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-68B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
 Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
 Date Extracted: 12/08/2016 08:19 Lab Sample ID: 40143087022
 Date Analyzed: 12/12/2016 19:31 Lab File ID: 121216.B\12121632.D
 Initial wt/vol: 990 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<3.0	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-76A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 08:19 Lab Sample ID: 40143087029
Date Analyzed: 12/12/2016 19:52 Lab File ID: 121216.B\12121633.D
Initial wt/vol: 1060 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-77B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/07/2016 07:30 Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 08:19 Lab Sample ID: 40143087032
Date Analyzed: 12/12/2016 20:14 Lab File ID: 121216.B\12121634.D
Initial wt/vol: 1060 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: _____ Matrix: Water SDG No.: 40143087
Date Extracted: 12/08/2016 08:19 Lab Sample ID: 1442839
Date Analyzed: 12/08/2016 15:23 Lab File ID: 120816.B\12081611.D
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<3.0	U

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MH-18

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143087013 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium	<1.3	U	ug/L	1	12/09/2016 10:57
7440-02-0	Nickel	3.3	J	ug/L	1	12/09/2016 10:57
	Total Hardness by 2340B	51200		ug/L	1	12/09/2016 10:57
7440-66-6	Zinc	<9.3	U	ug/L	1	12/09/2016 10:57

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10A

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143087016 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	18.8		ug/L	1	12/14/2016 11:07

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10B

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143087017 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	12/14/2016 11:17

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-34A

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143087018 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	6.5		ug/L	1	12/14/2016 11:21

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-34B

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143087019 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	1.5	J	ug/L	1	12/14/2016 11:24

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-68B

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143087022 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	4.0	J	ug/L	1	12/14/2016 11:31

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-70B

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143087025 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	4.1	J	ug/L	1	12/14/2016 11:33

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-75

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143087028 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	2.4	J	ug/L	1	12/14/2016 11:36

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Initial Calibration Verification Source: 15622

Continuing Calibration Verification Source: 156157

Concentration Units: ug/L Instrument ID: 40ICP2

Analyte	Initial Calibration Verification				Continuing Calibration Verification						
	12/09/2016 08:53				12/09/2016 09:05			12/09/2016 10:09			Control Limit
	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Cadmium	500	486	97.2	90-110	500	509	101.9	500	504	100.7	90-110
Calcium	25000	24500	97.8	90-110	25000	25400	101.8	25000	25200	100.8	90-110
Magnesium	25000	24400	97.7	90-110	25000	25200	100.9	25000	25000	99.9	90-110
Nickel	500	487	97.4	90-110	500	510	102.0	500	504	100.8	90-110
Zinc	500	488	97.6	90-110	500	513	102.5	500	506	101.3	90-110

FORM II INORGANIC-2
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 156157

Concentration Units: ug/L Instrument ID: 40ICP2

Analyte	Continuing Calibration Verification						Control Limit
	12/09/2016 10:45			12/09/2016 11:17			
	True	Found	%R	True	Found	%R	
Cadmium	500	502	100.3	500	504	100.7	90-110
Calcium	25000	25600	102.2	25000	25300	101.2	90-110
Magnesium	25000	25300	101.4	25000	25000	100.2	90-110
Nickel	500	504	100.9	500	506	101.1	90-110
Zinc	500	510	101.9	500	504	100.9	90-110

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Initial Calibration Verification Source: 15622

Continuing Calibration Verification Source: 156157

Concentration Units: ug/L Instrument ID: 40ICP2

Analyte	Initial Calibration Verification				Continuing Calibration Verification						
	12/14/2016 09:13				12/14/2016 09:25			12/14/2016 10:52			Control Limit
	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Cadmium	500	486	97.3	90-110	500	504	100.8	500	502	100.4	90-110

FORM II INORGANIC-2
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 156157

Concentration Units: ug/L Instrument ID: 40ICP2

Analyte	Continuing Calibration Verification						Control Limit
	12/14/2016 11:26			12/14/2016 11:56			
	True	Found	%R	True	Found	%R	
Cadmium	500	496	99.2	500	497	99.3	90-110

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

CRDL Check Standard Source: 156024 Analysis Date/Time: 12/09/2016 08:58

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Cadmium	5.0	4.7	94.9	60-140
Calcium	500	508	101.6	60-140
Magnesium	1000	968	96.8	60-140
Nickel	10.0	10.2	101.8	60-140
Zinc	40	41.7	104.2	60-140

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

CRDL Check Standard Source: 156024 Analysis Date/Time: 12/14/2016 09:18

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Cadmium	5.0	4.8	96.4	60-140

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract : 34283.000 NATIONAL PRESTO IND

Method Blank Matrix: Water Instrument ID: 40ICP2

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	12/09/2016 08:55	C	12/09/2016 09:07	C	12/09/2016 10:12	C	12/09/2016 10:47	C	1443376	C
Cadmium	0.60	U	0.60	U	0.60	U	0.60	U	<1.3	U
Calcium	27.3	U	27.3	U	27.3	U	27.3	U		
Magnesium	98.3	U	98.3	U	98.3	U	98.3	U		
Nickel	1.4	U	1.4	U	1.4	U	1.4	U	<2.6	U
Total Hardness by 2340B									<150	U
Zinc	1.3	U	1.3	U	1.3	U	1.3	U	<9.3	U

FORM III INORGANIC-2
BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract : 34283.000 NATIONAL PRESTO IND

Method Blank Matrix: _____ Instrument ID: 40ICP2

Method Blank Concentration Units: _____

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	12/09/2016 11:20	C		C		C
Cadmium			0.60	U				
Calcium			27.3	U				
Magnesium			98.3	U				
Nickel			1.4	U				
Total Hardness by 2340B								
Zinc			1.3	U				

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract : 34283.000 NATIONAL PRESTO IND

Method Blank Matrix: Water Instrument ID: 40ICP2

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	12/14/2016 09:16	C	12/14/2016 09:28	C	12/14/2016 10:54	C	12/14/2016 11:28	C	1445282	C
Cadmium	0.60	U	0.60	U	0.60	U	0.60	U	<1.3	U

FORM III INORGANIC-2
BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract : 34283.000 NATIONAL PRESTO IND

Method Blank Matrix: _____ Instrument ID: 40ICP2

Method Blank Concentration Units: _____

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	12/14/2016 11:58	C		C		C
Cadmium			0.60	U				

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Instrument ID: 40ICP2

Solution A Run Date: 12/09/2016 09:00

ICS Source: 152396,152636

Solution AB Run Date: 12/09/2016 09:03

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	250000	250000	266200	106.5	263300	105.3	80-120
Cadmium		500	-0.3936		518.6	103.7	80-120
Calcium	500000	500000	475400	95.1	472800	94.6	80-120
Iron	200000	200000	191100	95.6	192000	96	80-120
Magnesium	500000	500000	521400	104.3	519800	104	80-120
Nickel		1000	-5.568		945	94.5	80-120
Zinc		500	-8.721		455	91	80-120

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Instrument ID: 40ICP2

Solution A Run Date: 12/14/2016 09:20

ICS Source: 156509,152636

Solution AB Run Date: 12/14/2016 09:23

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	250000	250000	261500	104.6	266900	106.8	80-120
Cadmium		500	-3.927		515.3	103.1	80-120
Calcium	500000	500000	485800	97.2	475600	95.1	80-120
Iron	200000	200000	191100	95.6	195600	97.8	80-120
Magnesium	500000	500000	525500	105.1	533800	106.8	80-120
Nickel		1000	-4.074		962	96.2	80-120
Zinc		500	-9.701		463	92.6	80-120

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1443378MS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water Basis: Wet Parent Sample ID: 40143037001

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Cadmium	ug/L	75-125	492	<1.3	500	98
Nickel	ug/L	75-125	483	<2.6	500	97
Zinc	ug/L	75-125	485	<9.3	500	97

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1443379MSD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water Basis: Wet Parent Sample ID: 40143037001

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Cadmium	ug/L	75-125	484	<1.3	500	97
Nickel	ug/L	75-125	479	<2.6	500	96
Zinc	ug/L	75-125	479	<9.3	500	96

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1445284MS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water Basis: Wet Parent Sample ID: MW-10A

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Cadmium, Dissolved	ug/L	75-125	490	18.8	500	94

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1445285MSD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water Basis: Wet Parent Sample ID: MW-10A

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Cadmium, Dissolved	ug/L	75-125	493	18.8	500	95

FORM V INORGANIC-1
POST-DIGESTION SPIKE SAMPLE RECOVERY

SAMPLE NO.

1445789PDS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Matrix: Water Parent Sample ID: MW-10A

Analyte	Units	Control Limit %R	DF	Spiked Sample Result (SSR)	DF	Sample Result (SR)	Spike Added (SA)	%R
Cadmium, Dissolved	ug/L	80-120	1	484	1	18.8	500	93.1

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1443379MSD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water Concentration Units: ug/L

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Cadmium	20	492	484	2
Nickel	20	483	479	1
Total Hardness by 2340B	20	425000	418000	2
Zinc	20	485	479	1

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1445285MSD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water Concentration Units: ug/L

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Cadmium, Dissolved	20	490	493	1

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

1443377LCS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Cadmium	ug/L	500	474	95	80	120
Nickel	ug/L	500	477	95	80	120
Zinc	ug/L	500	481	96	80	120

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

1445283LCS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Cadmium, Dissolved	ug/L	500	467	93	80	120

FORM VIII INORGANIC-1
SERIAL DILUTIONS

1445790SD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO INDMatrix: Water Parent Sample ID: MW-10B

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Cadmium, Dissolved	ug/L	1.3U	6.6U		10

% Difference not evaluated for parent results less than 50 times the reporting limit.

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Preparation Method: None Instrument ID: 40ICP2

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Cadmium	5.0	0.60	11/17/2014
Nickel	10.0	1.4	11/17/2014
Zinc	40.0	1.3	11/17/2014

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Preparation Method: EPA 3010 Instrument ID: 40ICP2

Concentration Units: ug/L

Analyte	PQL	MDL	MDL Date
Cadmium	5.0	1.3	10/11/2016
Nickel	10.0	2.6	10/11/2016
Total Hardness by 2340B	2000	150	10/11/2016
Zinc	40.0	9.3	10/11/2016

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	5	V	-0.003900	0.000000	No
			Mn	0.000140	0.000000	No
			Mo	0.000460	0.000000	No
			Cu	0.000018	0.000000	No
			Ti	0.000000	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.037000	0.000000	No
As 189.042 {479}	<input checked="" type="checkbox"/>	8	Cr	0.000545	0.000000	No
			V	0.000000	0.000000	No
			Mo	0.000310	0.000000	No
			Al	0.000068	0.000000	No
			Fe	-0.000006	0.000000	No
			Co	0.000000	0.000000	No
			Be	0.000000	0.000000	No
			Tl	0.000281	0.000000	No
B 208.959 {462}	<input checked="" type="checkbox"/>	2	Mo	0.025000	0.000000	No
			Ti	0.000000	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Ca	0.000000	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000147	0.000000	No
			Mo	-0.000020	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 228.802 {448}	<input checked="" type="checkbox"/>	4	Fe	0.000026	0.000000	No
			Ni	-0.000062	0.000000	No
			V	0.000098	0.000000	No
			As	0.001690	0.000000	No
			Fe	0.000030	0.000000	No
Co 228.616 {448}	<input checked="" type="checkbox"/>	4	Mo	-0.000207	0.000000	No
			Ti	0.001960	0.000000	No
			Ni	0.000120	0.000000	No
			Al	0.000010	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	2	Mn	0.000229	0.000000	No
			Fe	0.000000	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	5	V	-0.000192	0.000000	No
			Mo	0.000000	0.000000	No
			Co	0.000000	0.000000	No
			Ti	0.000000	0.000000	No
			Mo	-0.000600	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	1	Mo	-0.000600	0.000000	No
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	2	Mn	-0.002210	0.000000	No
			Mo	-0.016600	0.000000	No
Mn 257.610 {131}	<input checked="" type="checkbox"/>	1	Fe	-0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	V	-0.000180	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	1	Ti	0.000000	0.000000	No
Ni 231.604 {446}	<input checked="" type="checkbox"/>	2	Co	-0.000700	0.000000	No
			Fe	0.000026	0.000000	No
			Al	0.000150	0.000000	No
			Fe	0.000038	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	6	Mn	0.000090	0.000000	No
			Mo	-0.001700	0.000000	No
			Cu	0.000288	0.000000	No
			Ni	0.000000	0.000000	No
			Al	0.000050	0.000000	No
			Fe	0.000000	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	4	Cr	0.005390	0.000000	No
			Mo	-0.001240	0.000000	No
			Fe	0.000000	0.000000	No
			Cr	0.005390	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Se 196.090 {472}	<input checked="" type="checkbox"/>	2	Mn	0.000560	0.000000	No
			Mo	0.000115	0.000000	No
Sn 189.989 {478}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000012	0.000000	No
Ti 334.904 {101}	<input checked="" type="checkbox"/>	3	Cr	0.000180	0.000000	No
			Mo	0.000000	0.000000	No
			Ca	0.000010	0.000000	No
			Mn	0.000900	0.000000	No
Ti 190.856 {477}	<input checked="" type="checkbox"/>	6	Cr	0.000000	0.000000	No
			V	0.000000	0.000000	No
			Co	0.004260	0.000000	No
			Fe	0.000008	0.000000	No
			Ti	-0.001000	0.000000	No
			Mn	0.000000	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Cr	-0.002509	0.000000	No
			Fe	0.000000	0.000000	No
			Ti	0.000200	0.000000	No
			Mo	-0.000200	0.000000	No
Y 224.306 {451}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {464}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 6				
			Fe	0.000100	0.000000	No
			Mn	0.000228	0.000000	No
			Ni	0.000204	0.000000	No
			Cr	0.000000	0.000000	No
			Mo	0.000000	0.000000	No
			Co	0.000000	0.000000	No

FORM XI - INORGANIC-1
LINEAR DYNAMIC RANGES

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract : 34283.000 NATIONAL PRESTO
Instrument ID: 40ICP2 Effective Date:01/15/2015

Analyte	Concentration (ug/L)
Cadmium	13500
Nickel	45000
Zinc	36000

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Preparation Method: EPA 3010 Batch: MPRP 14926

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
1443376	1443376BLANK	12/08/2016	25	25
1443377	1443377LCS	12/08/2016	25	25
1443378	1443378MS	12/08/2016	25	25
1443379	1443379MSD	12/08/2016	25	25
40143087013	MH-18	12/08/2016	25	25

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Preparation Method: EPA 3010 Batch: MPRP 14949

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
1445282	1445282BLANK	12/13/2016	25	25
1445283	1445283LCS	12/13/2016	25	25
1445284	1445284MS	12/13/2016	25	25
1445285	1445285MSD	12/13/2016	25	25
40143087016	MW-10A	12/13/2016	25	25
40143087017	MW-10B	12/13/2016	25	25
40143087018	MW-34A	12/13/2016	25	25
40143087019	MW-34B	12/13/2016	25	25
40143087022	MW-68B	12/13/2016	25	25
40143087025	MW-70B	12/13/2016	25	25
40143087028	MW-75	12/13/2016	25	25

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Instrument ID: 40ICP2

Analysis Method: EPA 6010

Start Date: 12/09/2016 08:48

End Date: 12/09/2016 11:20

Sample Name	Lab Sample ID	D/F	Date	Time	Cd	Ni	Zn	thrd
9271515CAL0	9271515CAL0	1	12/09/2016	08:48	X	X	X	
9271516CAL1	9271516CAL1	1	12/09/2016	08:51	X	X	X	
9271517ICV	9271517ICV	1	12/09/2016	08:53	X	X	X	
9271518ICB	9271518ICB	1	12/09/2016	08:55	X	X	X	
9271519CRDL	9271519CRDL	1	12/09/2016	08:58	X	X	X	
9271520ICSA	9271520ICSA	1	12/09/2016	09:00	X	X	X	
9271521ICSAB	9271521ICSAB	1	12/09/2016	09:03	X	X	X	
9271522CCV	9271522CCV	1	12/09/2016	09:05	X	X	X	
9271523CCB	9271523CCB	1	12/09/2016	09:07	X	X	X	
9271524CCV	9271524CCV	1	12/09/2016	10:09	X	X	X	
9271525CCB	9271525CCB	1	12/09/2016	10:12	X	X	X	
1443376BLANK	1443376	1	12/09/2016	10:22	X	X	X	X
1443377LCS	1443377	1	12/09/2016	10:24	X	X	X	X
40143037001	40143037001	1	12/09/2016	10:26			X	X
1443378MS	1443378	1	12/09/2016	10:29	X	X	X	X
1443379MSD	1443379	1	12/09/2016	10:31	X	X	X	X
9271526CCV	9271526CCV	1	12/09/2016	10:45	X	X	X	
9271527CCB	9271527CCB	1	12/09/2016	10:47	X	X	X	
MH-18	40143087013	1	12/09/2016	10:57	X	X	X	X
9279398CCV	9279398CCV	1	12/09/2016	11:17	X	X	X	
9279399CCB	9279399CCB	1	12/09/2016	11:20	X	X	X	

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Green Bay SDG No. : 40143087 Contract: 34283.000 NATIONAL PRESTO IND

Instrument ID: 40ICP2

Analysis Method: EPA 6010

Start Date: 12/14/2016 09:07

End Date: 12/14/2016 11:58

Sample Name	Lab Sample ID	D/F	Date	Time	Cd
9285534CAL0	9285534CAL0	1	12/14/2016	09:07	X
9285535CAL1	9285535CAL1	1	12/14/2016	09:10	X
9285536ICV	9285536ICV	1	12/14/2016	09:13	X
9285537ICB	9285537ICB	1	12/14/2016	09:16	X
9285539CRDL	9285539CRDL	1	12/14/2016	09:18	X
9285540ICSA	9285540ICSA	1	12/14/2016	09:20	X
9285541ICSAB	9285541ICSAB	1	12/14/2016	09:23	X
9285542CCV	9285542CCV	1	12/14/2016	09:25	X
9285543CCB	9285543CCB	1	12/14/2016	09:28	X
9285618CCV	9285618CCV	1	12/14/2016	10:52	X
9285619CCB	9285619CCB	1	12/14/2016	10:54	X
1445282BLANK	1445282	1	12/14/2016	11:03	X
1445283LCS	1445283	1	12/14/2016	11:05	X
MW-10A	40143087016	1	12/14/2016	11:07	X
1445284MS	1445284	1	12/14/2016	11:10	X
1445285MSD	1445285	1	12/14/2016	11:12	X
1445789PDS	1445789	1	12/14/2016	11:14	X
MW-10B	40143087017	1	12/14/2016	11:17	X
1445790SD	1445790	5	12/14/2016	11:19	X
MW-34A	40143087018	1	12/14/2016	11:21	X
MW-34B	40143087019	1	12/14/2016	11:24	X
9289077CCV	9289077CCV	1	12/14/2016	11:26	X
9289078CCB	9289078CCB	1	12/14/2016	11:28	X
MW-68B	40143087022	1	12/14/2016	11:31	X
MW-70B	40143087025	1	12/14/2016	11:33	X
MW-75	40143087028	1	12/14/2016	11:36	X
9289088CCV	9289088CCV	1	12/14/2016	11:56	X
9289089CCB	9289089CCB	1	12/14/2016	11:58	X



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 40143142

Project Overview

Final Report with COC/SCUR	1
SDG Narrative	32

Organic

GC-MS Volatiles

Surrogate Recovery Summary (Form 2)	35
Laboratory Control Spike/Laboratory Control Spike Duplicate Summary (Form 3)	36
Matrix Spike/Matrix Spike Duplicate Summary (Form 3)	37
Method Blank Association Summary (Form 4)	39
Instrument Performance Check (Form 5)	40
Initial Calibration (Form 6)	42
Continuing Calibration (Form 7)	44
Internal Standard Area & Retention Time Summary (Form 8)	46
Analytical Results with Raw Data (Form 1)	47
Raw Data QC	60

GC-MS Semivolatiles

Surrogate Recovery Summary (Form 2)	61
Method Blank Association Summary (Form 4)	62
Instrument Performance Check (Form 5)	63
Initial Calibration (Form 6)	66
Continuing Calibration (Form 7)	68
Internal Standard Area & Retention Time Summary (Form 8)	71
Analytical Results with Raw Data (Form 1)	75
Raw Data QC	76

InOrganic

ICP

Analytical Results (Form 1-IN)	77
Initial & Continuing Calibration Verification (Form 2A-IN)	80
CRDL Check Standard (Form 2B-IN)	82
Blanks (Form 3-IN)	83
Interference Check Sample (Form 4A-IN)	85
Matrix Spike Recovery (Form 5A-IN)	86
Post Digestion Spike Recovery (Form 5B-IN)	88
Duplicates (Form 6-IN)	89
Laboratory Control Spike (Form 7-IN)	90
Serial Dilution (Form 8-IN)	91
Method Detection Limits (Form 9-IN)	92
Interelement Correction Factors (Form 10-IN)	94
Linear Ranges (Form 11-IN)	96
Preparation Log (Form 12-IN)	97
Analysis Run Log (Form 13-IN)	98

December 15, 2016

Dave Olig
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Dear Dave Olig:

Enclosed are the analytical results for sample(s) received by the laboratory on December 08, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.
Clifford Wright, Gannett Fleming



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143142001	EW-6	Water	12/06/16 14:20	12/08/16 07:30
40143142002	EW-6 DUP	Water	12/06/16 14:20	12/08/16 07:30
40143142003	MW-23A	Water	12/06/16 15:00	12/08/16 07:30
40143142004	MW-23A DUP	Water	12/06/16 15:00	12/08/16 07:30
40143142005	MW-23B	Water	12/06/16 15:05	12/08/16 07:30
40143142006	MW-38B	Water	12/06/16 15:45	12/08/16 07:30
40143142007	RW-2A	Water	12/06/16 14:45	12/08/16 07:30
40143142008	RW-2B	Water	12/06/16 14:50	12/08/16 07:30
40143142009	RW-2C	Water	12/06/16 14:55	12/08/16 07:30
40143142010	RW-15	Water	12/06/16 15:30	12/08/16 07:30
40143142011	MW-65B	Water	12/06/16 16:10	12/08/16 07:30
40143142012	MW-65C	Water	12/06/16 16:15	12/08/16 07:30
40143142013	EW-5-78'	Water	12/06/16 10:05	12/08/16 07:30
40143142014	EW-5-88'	Water	12/06/16 10:10	12/08/16 07:30
40143142015	TRIP BLANK	Water	12/06/16 00:00	12/08/16 07:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143142001	EW-6	EPA 6010	DLB	1	PASI-G
		EPA 8260	LAP	8	PASI-G
40143142002	EW-6 DUP	EPA 8260	LAP	8	PASI-G
40143142003	MW-23A	EPA 8260	LAP	8	PASI-G
40143142004	MW-23A DUP	EPA 8260	LAP	8	PASI-G
40143142005	MW-23B	EPA 8260	LAP	8	PASI-G
40143142006	MW-38B	EPA 8270	RJN	7	PASI-G
		EPA 8260	LAP	8	PASI-G
40143142007	RW-2A	EPA 8260	LAP	8	PASI-G
40143142008	RW-2B	EPA 8260	LAP	8	PASI-G
40143142009	RW-2C	EPA 8260	LAP	8	PASI-G
40143142010	RW-15	EPA 8260	LAP	8	PASI-G
40143142011	MW-65B	EPA 8260	LAP	8	PASI-G
40143142012	MW-65C	EPA 8260	LAP	8	PASI-G
40143142013	EW-5-78'	EPA 6010	DLB	1	PASI-G
40143142014	EW-5-88'	EPA 6010	DLB	1	PASI-G
40143142015	TRIP BLANK	EPA 8260	LAP	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40143142001	EW-6					
EPA 8260	1,1,1-Trichloroethane	1.2	ug/L	1.0	12/09/16 15:25	
EPA 8260	Trichloroethene	0.69J	ug/L	1.0	12/09/16 15:25	
40143142002	EW-6 DUP					
EPA 8260	1,1,1-Trichloroethane	1.2	ug/L	1.0	12/09/16 15:47	
EPA 8260	Trichloroethene	0.70J	ug/L	1.0	12/09/16 15:47	
40143142003	MW-23A					
EPA 8260	Trichloroethene	0.98J	ug/L	1.0	12/09/16 16:08	
40143142004	MW-23A DUP					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	12/09/16 16:30	
40143142005	MW-23B					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	12/09/16 16:52	
40143142006	MW-38B					
EPA 8260	1,1,1-Trichloroethane	0.65J	ug/L	1.0	12/09/16 17:14	
EPA 8260	Trichloroethene	3.2	ug/L	1.0	12/09/16 17:14	
40143142007	RW-2A					
EPA 8260	Trichloroethene	0.77J	ug/L	1.0	12/09/16 17:36	
40143142008	RW-2B					
EPA 8260	1,1,1-Trichloroethane	0.64J	ug/L	1.0	12/09/16 17:57	
EPA 8260	Trichloroethene	2.0	ug/L	1.0	12/09/16 17:57	
40143142009	RW-2C					
EPA 8260	1,1,1-Trichloroethane	0.52J	ug/L	1.0	12/09/16 18:19	
EPA 8260	Trichloroethene	1.6	ug/L	1.0	12/09/16 18:19	
40143142010	RW-15					
EPA 8260	Trichloroethene	3.1	ug/L	1.0	12/09/16 18:41	
40143142011	MW-65B					
EPA 8260	Trichloroethene	0.55J	ug/L	1.0	12/09/16 19:03	
40143142012	MW-65C					
EPA 8260	Trichloroethene	0.68J	ug/L	1.0	12/09/16 19:24	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Batch Comments:

Many compounds failed low in the LCS, The MS/MSD met all LCS limits for accuracy and precision.

- QC Batch: 243828

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Method: EPA 8260
Description: 8260 MSV
Client: Gannett Fleming Inc.
Date: December 15, 2016

General Information:

13 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-6 **Lab ID: 40143142001** Collected: 12/06/16 14:20 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:38	7440-43-9	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.2	ug/L	1.0	0.50	1		12/09/16 15:25	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 15:25	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 15:25	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 15:25	127-18-4	
Trichloroethene	0.69J	ug/L	1.0	0.33	1		12/09/16 15:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 15:25	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 15:25	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 15:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-6 DUP **Lab ID: 40143142002** Collected: 12/06/16 14:20 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.2	ug/L	1.0	0.50	1		12/09/16 15:47	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 15:47	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 15:47	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 15:47	127-18-4	
Trichloroethene	0.70J	ug/L	1.0	0.33	1		12/09/16 15:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 15:47	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 15:47	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 15:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-23A **Lab ID: 40143142003** Collected: 12/06/16 15:00 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 16:08	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 16:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 16:08	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 16:08	127-18-4	
Trichloroethene	0.98J	ug/L	1.0	0.33	1		12/09/16 16:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 16:08	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 16:08	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 16:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-23A DUP **Lab ID: 40143142004** Collected: 12/06/16 15:00 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 16:30	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 16:30	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 16:30	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 16:30	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.33	1		12/09/16 16:30	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 16:30	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		12/09/16 16:30	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 16:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-23B **Lab ID: 40143142005** Collected: 12/06/16 15:05 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 16:52	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 16:52	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 16:52	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 16:52	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.33	1		12/09/16 16:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 16:52	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		12/09/16 16:52	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 16:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-38B **Lab ID: 40143142006** Collected: 12/06/16 15:45 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.8	2.9	1	12/09/16 08:03	12/13/16 11:46	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	12/09/16 08:03	12/13/16 11:46	4165-60-0	
2-Fluorobiphenyl (S)	82	%	41-130		1	12/09/16 08:03	12/13/16 11:46	321-60-8	
Terphenyl-d14 (S)	91	%	49-130		1	12/09/16 08:03	12/13/16 11:46	1718-51-0	
Phenol-d6 (S)	23	%	15-130		1	12/09/16 08:03	12/13/16 11:46	13127-88-3	
2-Fluorophenol (S)	38	%	27-130		1	12/09/16 08:03	12/13/16 11:46	367-12-4	
2,4,6-Tribromophenol (S)	92	%	42-140		1	12/09/16 08:03	12/13/16 11:46	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.65J	ug/L	1.0	0.50	1		12/09/16 17:14	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 17:14	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 17:14	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 17:14	127-18-4	
Trichloroethene	3.2	ug/L	1.0	0.33	1		12/09/16 17:14	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 17:14	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 17:14	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 17:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: RW-2A **Lab ID: 40143142007** Collected: 12/06/16 14:45 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 17:36	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 17:36	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 17:36	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 17:36	127-18-4	
Trichloroethene	0.77J	ug/L	1.0	0.33	1		12/09/16 17:36	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 17:36	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 17:36	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 17:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: RW-2B **Lab ID: 40143142008** Collected: 12/06/16 14:50 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.64J	ug/L	1.0	0.50	1		12/09/16 17:57	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 17:57	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 17:57	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 17:57	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.33	1		12/09/16 17:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 17:57	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 17:57	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 17:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: RW-2C **Lab ID: 40143142009** Collected: 12/06/16 14:55 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.52J	ug/L	1.0	0.50	1		12/09/16 18:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 18:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 18:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 18:19	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.33	1		12/09/16 18:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 18:19	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 18:19	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 18:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: RW-15 **Lab ID: 40143142010** Collected: 12/06/16 15:30 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 18:41	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 18:41	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 18:41	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 18:41	127-18-4	
Trichloroethene	3.1	ug/L	1.0	0.33	1		12/09/16 18:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 18:41	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 18:41	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 18:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-65B **Lab ID: 40143142011** Collected: 12/06/16 16:10 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 19:03	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 19:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 19:03	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 19:03	127-18-4	
Trichloroethene	0.55J	ug/L	1.0	0.33	1		12/09/16 19:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 19:03	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 19:03	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 19:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-65C **Lab ID: 40143142012** Collected: 12/06/16 16:15 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 19:24	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 19:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 19:24	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 19:24	127-18-4	
Trichloroethene	0.68J	ug/L	1.0	0.33	1		12/09/16 19:24	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 19:24	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 19:24	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 19:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-5-78' **Lab ID: 40143142013** Collected: 12/06/16 10:05 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:41	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-5-88' **Lab ID: 40143142014** Collected: 12/06/16 10:10 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:43	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: TRIP BLANK **Lab ID: 40143142015** Collected: 12/06/16 00:00 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 15:03	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 15:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 15:03	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 15:03	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 15:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 15:03	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		12/09/16 15:03	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 15:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

QC Batch: 244011 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 40143142001, 40143142013, 40143142014

METHOD BLANK: 1445282 Matrix: Water
Associated Lab Samples: 40143142001, 40143142013, 40143142014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	12/14/16 11:03	

LABORATORY CONTROL SAMPLE: 1445283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	467	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1445284 1445285

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40143087016 Result	Spike Conc.	Spike Conc.	Result						
Cadmium, Dissolved	ug/L	18.8	500	500	490	493	94	95	75-125	1	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

QC Batch: 243650 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40143142001, 40143142002, 40143142003, 40143142004, 40143142005, 40143142006, 40143142007, 40143142008, 40143142009, 40143142010, 40143142011, 40143142012, 40143142015

METHOD BLANK: 1443142 Matrix: Water
Associated Lab Samples: 40143142001, 40143142002, 40143142003, 40143142004, 40143142005, 40143142006, 40143142007, 40143142008, 40143142009, 40143142010, 40143142011, 40143142012, 40143142015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/09/16 12:51	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/09/16 12:51	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/09/16 12:51	
Tetrachloroethene	ug/L	<0.50	1.0	12/09/16 12:51	
Trichloroethene	ug/L	<0.33	1.0	12/09/16 12:51	
4-Bromofluorobenzene (S)	%	88	70-130	12/09/16 12:51	
Dibromofluoromethane (S)	%	106	70-130	12/09/16 12:51	
Toluene-d8 (S)	%	96	70-130	12/09/16 12:51	

LABORATORY CONTROL SAMPLE: 1443143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.9	116	70-131	
1,1-Dichloroethane	ug/L	50	60.3	121	70-133	
1,1-Dichloroethene	ug/L	50	55.7	111	70-130	
Tetrachloroethene	ug/L	50	50.7	101	70-138	
Trichloroethene	ug/L	50	55.5	111	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			108	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443445 1443446

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40143136001 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.50	50	50	56.7	56.1	113	112	70-134	1	20
1,1-Dichloroethane	ug/L	<0.24	50	50	58.5	57.9	117	116	70-134	1	20
1,1-Dichloroethene	ug/L	<0.41	50	50	56.4	56.7	113	113	68-136	1	20
Tetrachloroethene	ug/L	<0.50	50	50	50.5	49.3	101	99	70-148	2	20
Trichloroethene	ug/L	<0.33	50	50	54.5	54.4	109	109	70-131	0	20
4-Bromofluorobenzene (S)	%						105	104	70-130		
Dibromofluoromethane (S)	%						105	107	70-130		
Toluene-d8 (S)	%						94	97	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Project No.: 40143142

QC Batch: 243753 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40143142006

METHOD BLANK: 1443667 Matrix: Water
Associated Lab Samples: 40143142006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	12/12/16 14:11	
2,4,6-Tribromophenol (S)	%	94	42-140	12/12/16 14:11	
2-Fluorobiphenyl (S)	%	77	41-130	12/12/16 14:11	
2-Fluorophenol (S)	%	42	27-130	12/12/16 14:11	
Nitrobenzene-d5 (S)	%	75	43-130	12/12/16 14:11	
Phenol-d6 (S)	%	29	15-130	12/12/16 14:11	
Terphenyl-d14 (S)	%	91	49-130	12/12/16 14:11	

LABORATORY CONTROL SAMPLE: 1443668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Tribromophenol (S)	%			78	42-140	
2-Fluorobiphenyl (S)	%			65	41-130	
2-Fluorophenol (S)	%			32	27-130	
Nitrobenzene-d5 (S)	%			60	43-130	
Phenol-d6 (S)	%			23	15-130	
Terphenyl-d14 (S)	%			62	49-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443669 1443670

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40143102008	Spike Conc.	Spike Conc.	MS Result					
2,4,6-Tribromophenol (S)	%					113	117	42-140		
2-Fluorobiphenyl (S)	%					94	98	41-130		
2-Fluorophenol (S)	%					48	42	27-130		
Nitrobenzene-d5 (S)	%					91	92	43-130		
Phenol-d6 (S)	%					32	30	15-130		
Terphenyl-d14 (S)	%					93	90	49-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 243828

[1] Many compounds failed low in the LCS, The MS/MSD met all LCS limits for accuracy and precision.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143142001	EW-6	EPA 3010	244011	EPA 6010	244125
40143142013	EW-5-78'	EPA 3010	244011	EPA 6010	244125
40143142014	EW-5-88'	EPA 3010	244011	EPA 6010	244125
40143142006	MW-38B	EPA 3510	243753	EPA 8270	243828
40143142001	EW-6	EPA 8260	243650		
40143142002	EW-6 DUP	EPA 8260	243650		
40143142003	MW-23A	EPA 8260	243650		
40143142004	MW-23A DUP	EPA 8260	243650		
40143142005	MW-23B	EPA 8260	243650		
40143142006	MW-38B	EPA 8260	243650		
40143142007	RW-2A	EPA 8260	243650		
40143142008	RW-2B	EPA 8260	243650		
40143142009	RW-2C	EPA 8260	243650		
40143142010	RW-15	EPA 8260	243650		
40143142011	MW-65B	EPA 8260	243650		
40143142012	MW-65C	EPA 8260	243650		
40143142015	TRIP BLANK	EPA 8260	243650		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison WI
 Project Contact: Don Olig
 Phone: 608-836-1500
 Project Number: 34253,000
 Project Name: National Presto Ind.
 Project State: WI
 Sampled By (Print): Gregory Payne
 Sampled By (Sign): Gregory Payne
 PO #: _____
 Date Package Options (billable):
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample
 Matrix Codes:
 A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge
 W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipes



CHAIN OF CUSTODY

Preservation Codes:
 A=None, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH
 H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

Filtered? (YES/NO)
 Preservation (CODE)*

Y/N	Pick Letter	Retention	Analysis Requested
2	B	D	for 7 top 100 ft
Y	D	A	1-2-100
N	A		

Relinquished By: Marcus Mussy Date/Time: 12-7-13 00
 Relinquished By: Richard Date/Time: 12-8-16 0730
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40143142

Quote #: _____
 Mail To Contact: Don Olig
 Mail To Company: Gannett Fleming
 Mail To Address: 8025 Excelsior Dr
 Madison, WI 53717
 Invoice To Contact: _____
 Invoice To Company: See wait
 Invoice To Address: to

Invoice To Phone: 608-836-1500
 CLIENT COMMENTS: Send copy of report to Marcus A Kuehl
 LAB COMMENTS (Lab Use Only): 3-40 MW/3, 1-250 MW
 Profile # _____

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Relinquished By	Date/Time	Received By	Date/Time	Comments
001	EW-6	12-6	1420	GW					
002	EW-6 Dup		1420						
003	MW-23A		1500						
004	MW-23A Dup		1500						
005	MW-23B		1505						
006	MW-38B		1545						
007	RW-2A		1445						
	RW-2A Dup		1445						
008	RW-2B		1450						
009	RW-2C		1455						
010	RW-15		1530						
011	MW-65B		1610						
012	MW-65C		1615						

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Special pricing and release of liability

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PAGE Project No. 40143142
 Receipt Temp = 20.1 °C
 Sample Receipt pH OK/Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Dave DiG
 Phone: 608-836-1500
 Project Number: 37283000
 Project Name: National Prestress (NPI)
 Project State: WI
 Sampled By (Print): Debbie Payne
 Sampled By (Sign): Debbie Payne
 PO #: _____
 Data Package Options (billable):
 EPA Level III On your sample (billable)
 EPA Level IV NOT needed on your sample
 Matrix Codes:
 A = Air W = Water
 B = Biot B = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WP = Waste Water
 SI = Sludge WIP = Wipe
 REGULATORY PROGRAM: _____
 FILTERED? (YES/NO) _____
 PRESERVATION (CODE)* _____



CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	ANALYSES REQUESTED	V/I/N	PICK	LABOR	RECEIVED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RECEIVED BY	DATE/TIME	PAGE PROJECT NO.
D13	EW-S-78'	12-6	1005	GW											
D14	EW-S-88'		1010												
D15	TMP BLANK		955												
<p> Quote #: _____ Mail To Contact: <u>Dave DiG</u> Mail To Company: <u>Gannett Fleming</u> Mail To Address: <u>4015 Excelsior Dr</u> <u>Madison, WI 53717</u> Invoice To Contact: _____ Invoice To Company: _____ Invoice To Address: _____ Invoice To Phone: <u>608-836-1500</u> CLIENT COMMENTS: <u>Send copy of report to Russ & Keith 3740 Durlex Ct 2-40m JJB Green Bay WI 54311</u> LAB COMMENTS (Lab Use Only): <u>1-850 mlp.d</u> Profile #: _____ </p>															
<p> Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed: _____ Transmit Prelim Rush Results by (complete what you want): _____ Email #1: _____ Email #2: _____ Telephone: _____ Fax: _____ Samples on HOLD are subject to special pricing and release of liability </p>															
<p> Relinquished By: _____ Date/Time: <u>12/7/13 00</u> Relinquished By: <u>Diana</u> Date/Time: <u>12-8-10 0730</u> Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____ </p>															
<p> Receipt Temp = 20.1 °C Sampler Receipt pH: <u>OK/adjusted</u> Cooler Custody Seal Present / Not Present: <u>Intact / Not Intact</u> </p>															

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Client Name: Gannett Heming

Project #:

WO#: **40143142**

Courier: Fed Ex UPS Client Pace Other: Durham

Tracking #: 123 9527



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RGT / ICorr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining contents:

Date: 12-8-16

Initials: SKW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
(HNO3, H2SO4 <2> NaOH+ZnAct ≥9, NaOH ≥12)		
exceptions: (VOA) coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: <u>SKW</u> Lab Std #ID of preservative: _____ Date/Time: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>369</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AMH - BDN

Date: 12/8/16



CASE NARRATIVE - VOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40143142

Client: GANNETT FLEMING INC

Project Name: NATIONAL PRESTO

Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 8260B
- B. **Analysis:** SW846 8260B

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** All method acceptance criteria were met.
 - 3. **Continuing verification:** All method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** All in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met.
- D. **Spikes:**
 - 1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met.
 - 2. **Matrix Spike / Matrix Spike Duplicate (MS/MSD):** A batch MS/MSD pair was analyzed with your samples in order to cover the QC requirement.
- E. **Internal Standards:** All in-house acceptance criteria were met.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, Inc.**, and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 12/27/16

Name: Jill A. Duranceau Position: Quality Assurance Auditor



CASE NARRATIVE - SEMIVOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40143142
Client: GANNETT FLEMING INC
Project Name: NATIONAL PRESTO
Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 3510
- B. **Analysis:** SW846 8270C

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** The method acceptance criteria were met.
 - 3. **Continuing verification:** The method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** The in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met. Surrogate recoveries for the lab control spikes were reported even though 1,4-Dioxane was not in the lab control spike compound list.
- D. **Spikes:**
 - 1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met. The LCS was not spiked with 1,4-Dioxane so no LCS summary was created.
 - 2. **Matrix Spike / Duplicate (MS/MSD):** A batch MS/MSD pair was analyzed with your samples in order to cover the QC requirement. Neither the MS nor MSD were spiked with 1,4-Dioxane so no MS summary was created.
- E. **Internal Standards:** All in-house acceptance criteria were met.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG.
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed.

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, LLC.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 12/27/16
Name: Jill A. Duranceau Position: Quality Assurance Auditor



CASE NARRATIVE - METALS ANALYSIS

Lab Report Number (SDG): 40143142
Client: GANNETT FLEMING INC
Project Name: NATIONAL PRESTO
Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 6010B
- B. **Analysis:** SW846 6010B

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **Initial verification:** All method acceptance criteria were met.
 - 2. **Continuing verification:** All method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Initial calibration (ICB):** All method acceptance criteria were met.
 - 2. **Continuing calibration (CCB):** All method acceptance criteria were met.
 - 3. **Method:** All in-house acceptance criteria were met.
- C. **Spikes:**
 - 1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met.
 - 2. **Matrix Spike / Duplicate (MS/MSD):** Batch QC was analyzed with this SDG. The in-house accuracy and precision criteria were met.
- D. **ICP Interference Check Samples:** All method acceptance criteria were met.
- E. **ICP Serial Dilution:** All method acceptance criteria were met. Serial dilution % Difference is not evaluated for parent results less than fifty times the reporting limit.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG.
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed.

I certify that this data package is in compliance, with the terms and conditions agreed to by **Pace Analytical Services, LLC**, and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 12/27/16
Name: Jill A Duranceau Position: Quality Assurance Auditor

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSVB

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1443142	1443142BLANK	88	106	96
1443143	1443143LCS	103	108	95
40143142001	EW-6	89	108	95
40143142002	EW-6 DUP	90	109	95
40143142003	MW-23A	89	106	96
40143142004	MW-23A DUP	88	110	93
40143142005	MW-23B	90	110	93
40143142006	MW-38B	89	109	93
40143142007	RW-2A	88	109	95
40143142008	RW-2B	87	109	96
40143142009	RW-2C	90	107	96
40143142010	RW-15	90	108	93
40143142011	MW-65B	88	106	95
40143142012	MW-65C	87	108	94
40143142015	TRIP BLANK	90	105	95

QC LIMITS

(70-130)

(70-130)

(70-130)

(BFB) = 4-Bromofluorobenzene (S)

(DIBF) = Dibromofluoromethane (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay
 Date Extracted: 12/09/2016
 Instrument: 40MSVB
 Lab File ID: 12092016.B\12091639.D

Lab Sample ID: 1443143LCS
 Date Analyzed (1): 12/09/2016
 LCS Lot No: 153247
 SDG No.: 40143142

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	50.0	60.3	121	70-133
1,1-Dichloroethene	50.0	55.7	111	70-130
Tetrachloroethene	50.0	50.7	101	70-138
1,1,1-Trichloroethane	50.0	57.9	116	70-131
Trichloroethene	50.0	55.5	111	70-130

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay
Date Extracted: 12/09/2016
Instrument: 40MSVB
Parent Sample ID: 40143136001

Matrix Spike - Sample No: 1443445MS
Date Analyzed (1): 12/09/2016
Lab File ID: 12092016.B\12091640.D
SDG No.: 40143142

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	<0.50	56.7	113	70-134
1,1-Dichloroethane	50.0	<0.24	58.5	117	70-134
1,1-Dichloroethene	50.0	<0.41	56.4	113	68-136
Tetrachloroethene	50.0	<0.50	50.5	101	70-148
Trichloroethene	50.0	<0.33	54.5	109	70-131

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-2
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 40MSVB Matrix Spike Duplicate - Sample No: 1443446MSD
 Lab File ID (2): 12092016.B\12091641.D Date Analyzed (2): 12/09/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	56.1	112	1	0-20	70-134
1,1-Dichloroethane	50.0	57.9	116	1	0-20	70-134
1,1-Dichloroethene	50.0	56.7	113	1	0-20	68-136
Tetrachloroethene	50.0	49.3	99	2	0-20	70-148
Trichloroethene	50.0	54.4	109	0	0-20	70-131

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1443142BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO
Instrument ID: 40MSVB Matrix: Water Lab Sample ID: 1443142
Lab File ID: 12092016.B\12091638.D Date Analyzed: 12/09/2016 Time: 12:51

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1443143LCS	1443143	12092016.B\12091639.D	12/09/2016 13:12
TRIP BLANK	40143142015	12092016.B\12091644.D	12/09/2016 15:03
EW-6	40143142001	12092016.B\12091645.D	12/09/2016 15:25
EW-6 DUP	40143142002	12092016.B\12091646.D	12/09/2016 15:47
MW-23A	40143142003	12092016.B\12091647.D	12/09/2016 16:08
MW-23A DUP	40143142004	12092016.B\12091648.D	12/09/2016 16:30
MW-23B	40143142005	12092016.B\12091649.D	12/09/2016 16:52
MW-38B	40143142006	12092016.B\12091650.D	12/09/2016 17:14
RW-2A	40143142007	12092016.B\12091651.D	12/09/2016 17:36
RW-2B	40143142008	12092016.B\12091652.D	12/09/2016 17:57
RW-2C	40143142009	12092016.B\12091653.D	12/09/2016 18:19
RW-15	40143142010	12092016.B\12091654.D	12/09/2016 18:41
MW-65B	40143142011	12092016.B\12091655.D	12/09/2016 19:03
MW-65C	40143142012	12092016.B\12091656.D	12/09/2016 19:24

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 11142016.B\11141625.D BFB Injection Date: 11/14/2016
 Instrument ID: 40MSVB BFB Injection Time: 11:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	18.31
75	30.00 - 60.00% of mass 95	47.26
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.54
173	Less than 2.00% of mass 174	0.65 (0.79) ¹
174	50.00 - 100.00% of mass 95	82.19
175	5.00 - 9.00% of mass 174	6.10 (7.42) ¹
176	95.00 - 101.00% of mass 174	78.32 (95.29) ¹
177	5.00 - 9.00% of mass 176	5.15 (6.57) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9217125CAL1	9217125CAL1	11142016.B\11141628.D	11/14/2016	12:14
9217124CAL2	9217124CAL2	11142016.B\11141630.D	11/14/2016	12:58
9217127CAL3	9217127CAL3	11142016.B\11141631.D	11/14/2016	13:20
9217142CAL4	9217142CAL4	11142016.B\11141632.D	11/14/2016	13:42
9217145CAL5	9217145CAL5	11142016.B\11141633.D	11/14/2016	14:03
9217144CAL6	9217144CAL6	11142016.B\11141634.D	11/14/2016	14:25
9217141CAL7	9217141CAL7	11142016.B\11141635.D	11/14/2016	14:47
9217143ICV	9217143ICV	11142016.B\11141638.D	11/14/2016	15:53

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 12092016.B\12091635.D BFB Injection Date: 12/09/2016
 Instrument ID: 40MSVB BFB Injection Time: 11:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	18.64
75	30.00 - 60.00% of mass 95	47.76
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.94
173	Less than 2.00% of mass 174	0.79 (0.95) ¹
174	50.00 - 100.00% of mass 95	82.62
175	5.00 - 9.00% of mass 174	6.10 (7.39) ¹
176	95.00 - 101.00% of mass 174	78.50 (95.01) ¹
177	5.00 - 9.00% of mass 176	5.29 (6.74) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9274384CCV	9274384CCV	12092016.B\12091636.D	12/09/2016	12:07
1443142BLANK	1443142BLANK	12092016.B\12091638.D	12/09/2016	12:51
1443143LCS	1443143LCS	12092016.B\12091639.D	12/09/2016	13:12
TRIP BLANK	40143142015	12092016.B\12091644.D	12/09/2016	15:03
EW-6	40143142001	12092016.B\12091645.D	12/09/2016	15:25
EW-6 DUP	40143142002	12092016.B\12091646.D	12/09/2016	15:47
MW-23A	40143142003	12092016.B\12091647.D	12/09/2016	16:08
MW-23A DUP	40143142004	12092016.B\12091648.D	12/09/2016	16:30
MW-23B	40143142005	12092016.B\12091649.D	12/09/2016	16:52
MW-38B	40143142006	12092016.B\12091650.D	12/09/2016	17:14
RW-2A	40143142007	12092016.B\12091651.D	12/09/2016	17:36
RW-2B	40143142008	12092016.B\12091652.D	12/09/2016	17:57
RW-2C	40143142009	12092016.B\12091653.D	12/09/2016	18:19
RW-15	40143142010	12092016.B\12091654.D	12/09/2016	18:41
MW-65B	40143142011	12092016.B\12091655.D	12/09/2016	19:03
MW-65C	40143142012	12092016.B\12091656.D	12/09/2016	19:24

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSVB GC Column: Col 1 SDG No.: 40143142
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 12:14 14:47

LAB FILE ID

CAL1 = 11142016.B\11141628.D CAL2 = 11142016.B\11141630.D CAL3 = 11142016.B\11141631.D
 CAL4 = 11142016.B\11141632.D CAL5 = 11142016.B\11141633.D CAL6 = 11142016.B\11141634.D
 CAL7 = 11142016.B\11141635.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,1-Dichloroethane	Averaged	1.14404	1.26332	1.14585	1.12613	1.11301	1.08510
1,1-Dichloroethene	Averaged	0.54522	0.55181	0.46637	0.48379	0.48533	0.48730
Tetrachloroethene	Averaged	0.35914	0.36335	0.32510	0.32394	0.33516	0.33925
1,1,1-Trichloroethane	Averaged	0.84076	0.86465	0.76881	0.81457	0.83614	0.85091
Trichloroethene	Averaged	0.44304	0.42292	0.36366	0.37158	0.38767	0.39701
4-Bromofluorobenzene (S)	Averaged	0.45077	0.45857	0.48286	0.49969	0.49899	0.48901
Dibromofluoromethane (S)	Averaged	0.49802	0.49956	0.49591	0.49824	0.49893	0.49547
Toluene-d8 (S)	Averaged	1.34377	1.31590	1.32243	1.34151	1.34059	1.33363

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSVB GC Column: Col 1 SDG No.: 40143142
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 12:14 14:47

LAB FILE ID

CAL1 = 11142016.B\11141628.D CAL2 = 11142016.B\11141630.D CAL3 = 11142016.B\11141631.D
 CAL4 = 11142016.B\11141632.D CAL5 = 11142016.B\11141633.D CAL6 = 11142016.B\11141634.D
 CAL7 = 11142016.B\11141635.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,1-Dichloroethane	Averaged	1.00728	6.82973			1.12639	
1,1-Dichloroethene	Averaged	0.44042	8.18534			0.49432	
Tetrachloroethene	Averaged	0.32363	4.92571			0.33851	
1,1,1-Trichloroethane	Averaged	0.80747	3.88467			0.82619	
Trichloroethene	Averaged	0.38341	7.15527			0.39561	
4-Bromofluorobenzene (S)	Averaged	0.49141	4.03242			0.48161	
Dibromofluoromethane (S)	Averaged	0.48459	1.04369			0.49582	
Toluene-d8 (S)	Averaged	1.30974	1.02436			1.32965	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

9217143ICV

Lab Name: Pace Analytical - Green Bay Calibration Date: 11/14/2016 Time: 15:53
 Instrument ID: 40MSVB GC Column: Col 1 Init. Calib. Date(s): 11/14/2016 11/14/2016
 Lab File ID: 11142016.B\11141638.D Init. Calib. Time(s): 12:14 14:47
 SDG No.: 40143142

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.12639	1.06487	0.1000	-5.4613	50.0000
1,1-Dichloroethene	Averaged	0.49432	0.45968	0.0100	-7.0074	20.0000
Tetrachloroethene	Averaged	0.33851	0.32059	0.0100	-5.2939	50.0000
1,1,1-Trichloroethane	Averaged	0.82619	0.77552	0.0100	-6.1328	50.0000
Trichloroethene	Averaged	0.39561	0.37194	0.0100	-5.9829	50.0000
4-Bromofluorobenzene (S)	Averaged	0.48161	0.47876	0.2000	-0.5923	50.0000
Dibromofluoromethane (S)	Averaged	0.49582	0.48560	0.2000	-2.0605	50.0000
Toluene-d8 (S)	Averaged	1.32965	1.31881	0.2000	-0.8156	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:53

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

9274384CCV

Lab Name: Pace Analytical - Green Bay Calibration Date: 12/09/2016 Time: 12:07
 Instrument ID: 40MSVB GC Column: Col 1 Init. Calib. Date(s): 11/14/2016 11/14/2016
 Lab File ID: 12092016.B\12091636.D Init. Calib. Time(s): 12:14 14:47
 SDG No.: 40143142

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.12639	1.32509	0.1000	17.6404	50.0000
1,1-Dichloroethene	Averaged	0.49432	0.56361	0.0100	14.0169	20.0000
Tetrachloroethene	Averaged	0.33851	0.35627	0.0100	5.2447	50.0000
1,1,1-Trichloroethane	Averaged	0.82619	0.94573	0.0100	14.4693	50.0000
Trichloroethene	Averaged	0.39561	0.40820	0.0100	3.1806	50.0000
4-Bromofluorobenzene (S)	Averaged	0.48161	0.53484	0.2000	11.0514	50.0000
Dibromofluoromethane (S)	Averaged	0.49582	0.53708	0.2000	8.3219	50.0000
Toluene-d8 (S)	Averaged	1.32965	1.31532	0.2000	-1.0779	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:53

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Sample ID : 9274384CCV Date Analyzed: 12/09/2016

Instrument ID: 40MSVB GC Column: Col 1 Time Analyzed: 12:07

Lab File ID: 12092016.B\12091636.D

		AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT	AREA PFB	RT
12 HOUR STD		412645	9.286	236337	13.024	433594	4.982	263229	4.068
UPPER LIMIT		825290	9.786	472674	13.524	867188	5.482	526458	4.568
LOWER LIMIT		206322.5	8.786	118168.5	12.524	216797	4.482	131614.5	3.568
LAB SAMPLE ID	SAMPLE NO.								
1443142	1443142BLANK	400350	9.286	179423	13.03	416855	4.982	260236	4.068
1443143	1443143LCS	418127	9.286	217697	13.024	420758	4.982	265905	4.068
40143142001	EW-6	413843	9.286	185991	13.023	430955	4.982	262112	4.068
40143142002	EW-6 DUP	410929	9.286	188900	13.023	433095	4.982	260750	4.068
40143142003	MW-23A	414247	9.286	190488	13.024	435295	4.982	268353	4.068
40143142004	MW-23A DUP	392496	9.286	174627	13.023	410302	4.982	249265	4.068
40143142005	MW-23B	416150	9.286	170545	13.029	425300	4.982	262004	4.068
40143142006	MW-38B	380723	9.286	168015	13.03	399681	4.982	239824	4.068
40143142007	RW-2A	390865	9.286	175569	13.023	403277	4.982	248554	4.068
40143142008	RW-2B	381718	9.287	175184	13.024	405567	4.982	245102	4.068
40143142009	RW-2C	390468	9.286	173418	13.023	413041	4.982	252020	4.068
40143142010	RW-15	416946	9.286	186761	13.023	428136	4.982	264805	4.068
40143142011	MW-65B	389307	9.286	173808	13.024	406974	4.982	258830	4.068
40143142012	MW-65C	382678	9.286	166490	13.024	387270	4.982	239223	4.068
40143142015	TRIP BLANK	433978	9.286	186529	13.023	460377	4.982	278842	4.068

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

DFB = 1,4-Difluorobenzene (IS)

PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-6

Lab Name: Pace Analytical - Green Bay
Date Received: 12/08/2016 07:30
Date Extracted: 12/09/2016 15:25
Date Analyzed: 12/09/2016 15:25
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 40143142001
Lab File ID: 12092016.B\12091645.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	1.2	
79-01-6	Trichloroethene	0.69	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-6 DUP

Lab Name: Pace Analytical - Green Bay
Date Received: 12/08/2016 07:30
Date Extracted: 12/09/2016 15:47
Date Analyzed: 12/09/2016 15:47
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 40143142002
Lab File ID: 12092016.B\12091646.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	1.2	
79-01-6	Trichloroethene	0.70	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23A

Lab Name: Pace Analytical - Green Bay
Date Received: 12/08/2016 07:30
Date Extracted: 12/09/2016 16:08
Date Analyzed: 12/09/2016 16:08
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 40143142003
Lab File ID: 12092016.B\12091647.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.98	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23A DUP

Lab Name: Pace Analytical - Green Bay
Date Received: 12/08/2016 07:30
Date Extracted: 12/09/2016 16:30
Date Analyzed: 12/09/2016 16:30
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 40143142004
Lab File ID: 12092016.B\12091648.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	1.1	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND.
 Date Received: 12/08/2016 07:30 Matrix: Water SDG No.: 40143142
 Date Extracted: 12/09/2016 16:52 Lab Sample ID: 40143142005
 Date Analyzed: 12/09/2016 16:52 Lab File ID: 12092016.B\12091649.D
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	1.9	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-38B

Lab Name: Pace Analytical - Green Bay
Date Received: 12/08/2016 07:30
Date Extracted: 12/09/2016 17:14
Date Analyzed: 12/09/2016 17:14
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 40143142006
Lab File ID: 12092016.B\12091650.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	0.65	J
79-01-6	Trichloroethene	3.2	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-2A

Lab Name: Pace Analytical - Green Bay
Date Received: 12/08/2016 07:30
Date Extracted: 12/09/2016 17:36
Date Analyzed: 12/09/2016 17:36
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 40143142007
Lab File ID: 12092016.B\12091651.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.77	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-2B

Lab Name: Pace Analytical - Green Bay
Date Received: 12/08/2016 07:30
Date Extracted: 12/09/2016 17:57
Date Analyzed: 12/09/2016 17:57
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 40143142008
Lab File ID: 12092016.B\12091652.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	0.64	J
79-01-6	Trichloroethene	2.0	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-2C

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND.
Date Received: 12/08/2016 07:30 Matrix: Water SDG No.: 40143142
Date Extracted: 12/09/2016 18:19 Lab Sample ID: 40143142009
Date Analyzed: 12/09/2016 18:19 Lab File ID: 12092016.B\12091653.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	0.52	J
79-01-6	Trichloroethene	1.6	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-15

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND.
Date Received: 12/08/2016 07:30 Matrix: Water SDG No.: 40143142
Date Extracted: 12/09/2016 18:41 Lab Sample ID: 40143142010
Date Analyzed: 12/09/2016 18:41 Lab File ID: 12092016.B\12091654.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	3.1	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-65B

Lab Name: Pace Analytical - Green Bay
Date Received: 12/08/2016 07:30
Date Extracted: 12/09/2016 19:03
Date Analyzed: 12/09/2016 19:03
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 40143142011
Lab File ID: 12092016.B\12091655.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.55	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-65C

Lab Name: Pace Analytical - Green Bay
Date Received: 12/08/2016 07:30
Date Extracted: 12/09/2016 19:24
Date Analyzed: 12/09/2016 19:24
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 40143142012
Lab File ID: 12092016.B\12091656.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.68	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: 12/08/2016 07:30
Date Extracted: 12/09/2016 15:03
Date Analyzed: 12/09/2016 15:03
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 40143142015
Lab File ID: 12092016.B\12091644.D
Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND.
Date Received: _____ Matrix: Water SDG No.: 40143142
Date Extracted: 12/09/2016 12:51 Lab Sample ID: 1443142
Date Analyzed: 12/09/2016 12:51 Lab File ID: 12092016.B\12091638.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSS8

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD6	TD14
1443667	1443667BLANK	94	77	42	75	29	91
40143142006	MW-38B	92	82	38	76	23	91

QC LIMITS

(24B6) = 2,4,6-Tribromophenol (S)

(42-140)

(2FBP) = 2-Fluorobiphenyl (S)

(41-130)

(2FPH) = 2-Fluorophenol (S)

(27-130)

(NIT5) = Nitrobenzene-d5 (S)

(43-130)

(PHD6) = Phenol-d6 (S)

(15-130)

(TD14) = Terphenyl-d14 (S)

(49-130)

* Values outside of QC Limits

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1443667BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO
Instrument ID: 40MSS8 Matrix: Water Lab Sample ID: 1443667
Lab File ID: 121216.B\12121617.D Date Analyzed: 12/12/2016 Time: 14:11

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
MW-38B	40143142006	121316.B\12131615.D	12/13/2016 11:46

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 111416.B\11141620.D DFTPP Injection Date: 11/14/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 14:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	35.20
68	Less than 2.00% of mass 69	0.50 (1.32) ¹
69	Mass 69 relative abundance	37.99
70	Less than 2.00% of mass 69	0.23 (0.62) ¹
127	10.00 - 80.00% of mass 198	48.22
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 60.00% of mass 198	27.24
365	Greater than 1.00% of mass 198	4.23
441	Present, but less than mass 443	14.16
442	Greater than 50.00% of mass 198	91.99
443	15.00 - 24.00% of mass 442	17.93 (19.50) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9169914CAL7	9169914CAL7	111416.B\11141621.D	11/14/2016	14:40
9169912CAL6	9169912CAL6	111416.B\11141622.D	11/14/2016	15:01
9169922CAL5	9169922CAL5	111416.B\11141623.D	11/14/2016	15:23
9169911CAL4	9169911CAL4	111416.B\11141624.D	11/14/2016	15:44
9169915CAL3	9169915CAL3	111416.B\11141625.D	11/14/2016	16:06
9169918CAL2	9169918CAL2	111416.B\11141626.D	11/14/2016	16:28
9169905CAL1	9169905CAL1	111416.B\11141627.D	11/14/2016	16:49
9169916ICV	9169916ICV	111416.B\11141628.D	11/14/2016	17:11

MSSV Full Scan - FORM V SVOA-1
 SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
 PERFORMANCE CHECK
 DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 121216.B\12121612.D DFTPP Injection Date: 12/12/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 12:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	35.30
68	Less than 2.00% of mass 69	0.37 (0.97) ¹
69	Mass 69 relative abundance	38.08
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	10.00 - 80.00% of mass 198	48.50
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	7.29
275	10.00 - 60.00% of mass 198	29.09
365	Greater than 1.00% of mass 198	4.89
441	Present, but less than mass 443	15.85
442	Greater than 50.00% of mass 198	105.86
443	15.00 - 24.00% of mass 442	21.30 (20.12) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9280580CCV	9280580CCV	121216.B\12121613.D	12/12/2016	12:48
1443667BLANK	1443667BLANK	121216.B\12121617.D	12/12/2016	14:11

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 121316.B\12131601.D DFTPP Injection Date: 12/13/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 06:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	36.00
68	Less than 2.00% of mass 69	0.61 (1.57) ¹
69	Mass 69 relative abundance	38.83
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	10.00 - 80.00% of mass 198	48.25
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.92
275	10.00 - 60.00% of mass 198	30.16
365	Greater than 1.00% of mass 198	5.01
441	Present, but less than mass 443	15.76
442	Greater than 50.00% of mass 198	103.86
443	15.00 - 24.00% of mass 442	20.31 (19.55) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9284813CCV	9284813CCV	121316.B\12131603.D	12/13/2016	07:33
MW-38B	40143142006	121316.B\12131615.D	12/13/2016	11:46

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40143142
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 14:40 16:49

LAB FILE ID

CAL1 = 111416.B\11141627.D CAL2 = 111416.B\11141626.D CAL3 = 111416.B\11141625.D
 CAL4 = 111416.B\11141624.D CAL5 = 111416.B\11141623.D CAL6 = 111416.B\11141622.D
 CAL7 = 111416.B\11141621.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,4-Dioxane (p-Dioxane)	Averaged	0.64117	0.63127	0.66340	0.60710	0.64349	0.61637
2-Fluorobiphenyl (S)	Averaged	1.61692	1.56548	1.39054	1.36167	1.31622	1.28102
2-Fluorophenol (S)	Averaged	1.11269	1.25701	1.20781	1.22458	1.30918	1.24206
Nitrobenzene-d5 (S)	Averaged	0.41056	0.42358	0.39790	0.36335	0.39313	0.37751
Phenol-d6 (S)	Averaged	1.56216	1.59876	1.54929	1.54911	1.56819	1.47077
Terphenyl-d14 (S)	Averaged	1.03656	1.04121	0.88774	0.89218	0.89417	0.90607
2,4,6-Tribromophenol (S)	Averaged	0.21905	0.25743	0.23033	0.24752	0.24080	0.25260

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:54

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40143142
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 14:40 16:49

LAB FILE ID

CAL1 = 111416.B\11141627.D CAL2 = 111416.B\11141626.D CAL3 = 111416.B\11141625.D
 CAL4 = 111416.B\11141624.D CAL5 = 111416.B\11141623.D CAL6 = 111416.B\11141622.D
 CAL7 = 111416.B\11141621.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,4-Dioxane (p-Dioxane)	Averaged	0.59381	3.80011			0.62809	
2-Fluorobiphenyl (S)	Averaged	1.24651	10.15184			1.39691	
2-Fluorophenol (S)	Averaged	1.28612	5.17259			1.23421	
Nitrobenzene-d5 (S)	Averaged	0.38211	5.20380			0.39259	
Phenol-d6 (S)	Averaged	1.56698	2.54871			1.55218	
Terphenyl-d14 (S)	Averaged	0.84332	8.37464			0.92875	
2,4,6-Tribromophenol (S)	Averaged	0.23070	5.74547			0.23978	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

9169916ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 11/14/2016 Time: 17:11

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 11/14/2016 11/14/2016

Lab File ID: 111416.B\11141628.D

Init. Calib. Time(s): 14:40 21:53

SDG No.: 40143142

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.62809	0.63819	0.0500	1.6081	50.0000
2-Fluorobiphenyl (S)	Averaged	1.39691	1.44027	0.0500	3.1042	50.0000
2-Fluorophenol (S)	Averaged	1.23421	1.26167	0.0500	2.2249	50.0000
Nitrobenzene-d5 (S)	Averaged	0.39259	0.39872	0.0500	1.5606	50.0000
Phenol-d6 (S)	Averaged	1.55218	1.60375	0.0500	3.3223	50.0000
Terphenyl-d14 (S)	Averaged	0.92875	0.88112	0.0500	-5.1284	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.23978	0.22047	0.0500	-8.0499	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:53

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

9280580CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 12/12/2016 Time: 12:48

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 11/14/2016 11/14/2016

Lab File ID: 121216.B\12121613.D

Init. Calib. Time(s): 14:40 21:53

SDG No.: 40143142

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.62809	0.79350	0.0500	26.3357	50.0000
2-Fluorobiphenyl (S)	Averaged	1.39691	1.54583	0.0500	10.6606	50.0000
2-Fluorophenol (S)	Averaged	1.23421	1.20588	0.0500	-2.2950	50.0000
Nitrobenzene-d5 (S)	Averaged	0.39259	0.39785	0.0500	1.3391	50.0000
Phenol-d6 (S)	Averaged	1.55218	1.33603	0.0500	-13.9253	50.0000
Terphenyl-d14 (S)	Averaged	0.92875	0.90720	0.0500	-2.3206	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.23978	0.27948	0.0500	16.5603	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:53

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

9284813CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 12/13/2016 Time: 07:33

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 11/14/2016 11/14/2016

Lab File ID: 121316.B\12131603.D

Init. Calib. Time(s): 14:40 21:53

SDG No.: 40143142

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.62809	0.77824	0.0500	23.9067	50.0000
2-Fluorobiphenyl (S)	Averaged	1.39691	1.48900	0.0500	6.5923	50.0000
2-Fluorophenol (S)	Averaged	1.23421	1.29795	0.0500	5.1650	50.0000
Nitrobenzene-d5 (S)	Averaged	0.39259	0.42309	0.0500	7.7683	50.0000
Phenol-d6 (S)	Averaged	1.55218	1.60173	0.0500	3.1923	50.0000
Terphenyl-d14 (S)	Averaged	0.92875	0.94227	0.0500	1.4562	50.0000
2,4,6-Tribromophenol (S)	Averaged	0.23978	0.30061	0.0500	25.3714	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:53

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Sample ID : 9280580CCV Date Analyzed: 12/12/2016

Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 12:48

Lab File ID: 121216.B\12121613.D

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		129705	6.234	281173	10.104	55486	3.822	195884	4.81
UPPER LIMIT		259410	6.734	562346	10.604	110972	4.322	391768	5.31
LOWER LIMIT		64852.5	5.734	140586.5	9.604	27743	3.322	97942	4.31
LAB SAMPLE ID	SAMPLE NO.								
1443667	1443667BLANK	69433	6.234	142261	10.098	37097	3.822	137476	4.81

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Sample ID : 9280580CCV Date Analyzed: 12/12/2016

Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 12:48

Lab File ID: 121216.B\12121613.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		254908	7.457	272378	12.598
UPPER LIMIT		509816	7.957	544756	13.098
LOWER LIMIT		127454	6.957	136189	12.098
LAB SAMPLE ID	SAMPLE NO.				
1443667	1443667BLANK	138913	7.457	141296	12.598

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO IND.
 Sample ID : 9284813CCV Date Analyzed: 12/13/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 07:33
 Lab File ID: 121316.B\12131603.D

	AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT		
12 HOUR STD	119240	6.234	254467	10.098	50885	3.822	202649	4.81		
UPPER LIMIT	238480	6.734	508934	10.598	101770	4.322	405298	5.31		
LOWER LIMIT	59620	5.734	127233.5	9.598	25442.5	3.322	101324.5	4.31		
LAB SAMPLE ID	SAMPLE NO.									
40143142006	MW-38B		107473	6.234	232269	10.098	56878	3.822	214755	4.81

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Sample ID : 9284813CCV Date Analyzed: 12/13/2016

Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 07:33

Lab File ID: 121316.B\12131603.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		229433	7.451	246862	12.598
UPPER LIMIT		458866	7.951	493724	13.098
LOWER LIMIT		114716.5	6.951	123431	12.098
LAB SAMPLE ID	SAMPLE NO.				
40143142006	MW-38B	225507	7.457	241118	12.592

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-38B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND.
Date Received: 12/08/2016 07:30 Matrix: Water SDG No.: 40143142
Date Extracted: 12/09/2016 08:03 Lab Sample ID: 40143142006
Date Analyzed: 12/13/2016 11:46 Lab File ID: 121316.B\12131615.D
Initial wt/vol: 1010 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.9	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: _____
Date Extracted: 12/09/2016 08:03
Date Analyzed: 12/12/2016 14:11
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND.
Matrix: Water SDG No.: 40143142
Lab Sample ID: 1443667
Lab File ID: 121216.B\12121617.D
Instrument: 40MSS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<3.0	U

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-6

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143142001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	12/14/2016 11:38

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-5-78'

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143142013 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	12/14/2016 11:41

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-5-88'

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO
Lab Sample ID: 40143142014 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	12/14/2016 11:43

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Initial Calibration Verification Source: 15622

Continuing Calibration Verification Source: 156157

Concentration Units: ug/L Instrument ID: 40ICP2

	Initial Calibration Verification				Continuing Calibration Verification						
	12/14/2016 09:13				12/14/2016 09:25			12/14/2016 10:52			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Cadmium	500	486	97.3	90-110	500	504	100.8	500	502	100.4	90-110

FORM II INORGANIC-2
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 156157

Concentration Units: ug/L Instrument ID: 40ICP2

Analyte	Continuing Calibration Verification						Control Limit
	12/14/2016 11:26			12/14/2016 11:56			
	True	Found	%R	True	Found	%R	
Cadmium	500	496	99.2	500	497	99.3	90-110

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

CRDL Check Standard Source: 156024 Analysis Date/Time: 12/14/2016 09:18

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Cadmium	5.0	4.8	96.4	60-140

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract : 34283.000 NATIONAL PRESTO IND.

Method Blank Matrix: Water Instrument ID: 40ICP2

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	12/14/2016 09:16	C	12/14/2016 09:28	C	12/14/2016 10:54	C	12/14/2016 11:28	C	1445282	C
Cadmium	0.60	U	0.60	U	0.60	U	0.60	U	<1.3	U

FORM III INORGANIC-2
BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract : 34283.000 NATIONAL PRESTO IND.

Method Blank Matrix: _____ Instrument ID: 40ICP2

Method Blank Concentration Units: _____

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	12/14/2016 11:58	C		C		C
Cadmium			0.60	U				

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Instrument ID: 40ICP2

Solution A Run Date: 12/14/2016 09:20

ICS Source: 156509,152636

Solution AB Run Date: 12/14/2016 09:23

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	250000	250000	261500	104.6	266900	106.8	80-120
Cadmium		500	-3.927		515.3	103.1	80-120
Calcium	500000	500000	485800	97.2	475600	95.1	80-120
Iron	200000	200000	191100	95.6	195600	97.8	80-120
Magnesium	500000	500000	525500	105.1	533800	106.8	80-120

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1445284MS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water Basis: Wet Parent Sample ID: 40143087016

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Cadmium, Dissolved	ug/L	75-125	490	18.8	500	94

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1445285MSD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water Basis: Wet Parent Sample ID: 40143087016

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Cadmium, Dissolved	ug/L	75-125	493	18.8	500	95

FORM V INORGANIC-1
POST-DIGESTION SPIKE SAMPLE RECOVERY

SAMPLE NO.

1445789PDS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Matrix: Water Parent Sample ID: 40143087016

Analyte	Units	Control Limit %R	DF	Spiked Sample Result (SSR)	DF	Sample Result (SR)	Spike Added (SA)	%R
Cadmium, Dissolved	ug/L	80-120	1	484	1	18.8	500	93.1

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1445285MSD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water Concentration Units: ug/L

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Cadmium, Dissolved	20	490	493	1

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

1445283LCS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Cadmium, Dissolved	ug/L	500	467	93	80	120

SAMPLE NO.

FORM VIII INORGANIC-1
SERIAL DILUTIONS

1445790SD

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Matrix: Water Parent Sample ID: 40143087017

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Cadmium, Dissolved	ug/L	1.3U	6.6U		10

% Difference not evaluated for parent results less than 50 times the reporting limit.

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Preparation Method: None Instrument ID: 40ICP2

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Cadmium	5.0	0.60	11/17/2014

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Preparation Method: EPA 3010 Instrument ID: 40ICP2

Concentration Units: ug/L

Analyte	PQL	MDL	MDL Date
Cadmium	5.0	1.3	10/11/2016

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	5	V	-0.003900	0.000000	No
			Mn	0.000140	0.000000	No
			Mo	0.000460	0.000000	No
			Cu	0.000018	0.000000	No
			Ti	0.000000	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.037000	0.000000	No
As 189.042 {479}	<input checked="" type="checkbox"/>	8	Cr	0.000545	0.000000	No
			V	0.000000	0.000000	No
			Mo	0.000310	0.000000	No
			Al	0.000068	0.000000	No
			Fe	-0.000006	0.000000	No
			Co	0.000000	0.000000	No
			Be	0.000000	0.000000	No
			Tl	0.000281	0.000000	No
B 208.959 {462}	<input checked="" type="checkbox"/>	2	Mo	0.025000	0.000000	No
			Ti	0.000000	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Ca	0.000000	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000147	0.000000	No
			Mo	-0.000020	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 228.802 {448}	<input checked="" type="checkbox"/>	4	Fe	0.000026	0.000000	No
			Ni	-0.000062	0.000000	No
			V	0.000098	0.000000	No
			As	0.001690	0.000000	No
			Fe	0.000030	0.000000	No
Co 228.616 {448}	<input checked="" type="checkbox"/>	4	Mo	-0.000207	0.000000	No
			Ti	0.001960	0.000000	No
			Ni	0.000120	0.000000	No
			Al	0.000010	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	2	Mn	0.000229	0.000000	No
			Fe	0.000000	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	5	V	-0.000192	0.000000	No
			Mo	0.000000	0.000000	No
			Co	0.000000	0.000000	No
			Ti	0.000000	0.000000	No
			Mo	-0.000600	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	1	Mo	-0.000600	0.000000	No
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	2	Mn	-0.002210	0.000000	No
			Mo	-0.016600	0.000000	No
Mn 257.610 {131}	<input checked="" type="checkbox"/>	1	Fe	-0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	V	-0.000180	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	1	Ti	0.000000	0.000000	No
Ni 231.604 {446}	<input checked="" type="checkbox"/>	2	Co	-0.000700	0.000000	No
			Fe	0.000026	0.000000	No
			Al	0.000150	0.000000	No
			Fe	0.000038	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	6	Mn	0.000090	0.000000	No
			Mo	-0.001700	0.000000	No
			Cu	0.000288	0.000000	No
			Ni	0.000000	0.000000	No
			Al	0.000050	0.000000	No
			Fe	0.000000	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	4	Cr	0.005390	0.000000	No
			Mo	-0.001240	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Se 196.090 {472}	<input checked="" type="checkbox"/>	2	Mn	0.000560	0.000000	No
			Mo	0.000115	0.000000	No
Sn 189.989 {478}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000012	0.000000	No
Ti 334.904 {101}	<input checked="" type="checkbox"/>	3	Cr	0.000180	0.000000	No
			Mo	0.000000	0.000000	No
			Ca	0.000010	0.000000	No
			Mn	0.000900	0.000000	No
Ti 190.856 {477}	<input checked="" type="checkbox"/>	6	Cr	0.000000	0.000000	No
			V	0.000000	0.000000	No
			Co	0.004260	0.000000	No
			Fe	0.000008	0.000000	No
			Ti	-0.001000	0.000000	No
			Mn	0.000000	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Cr	-0.002509	0.000000	No
			Fe	0.000000	0.000000	No
			Ti	0.000200	0.000000	No
			Mo	-0.000200	0.000000	No
Y 224.306 {451}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {464}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 6				
			Fe	0.000100	0.000000	No
			Mn	0.000228	0.000000	No
			Ni	0.000204	0.000000	No
			Cr	0.000000	0.000000	No
			Mo	0.000000	0.000000	No
			Co	0.000000	0.000000	No

FORM XI - INORGANIC-1
LINEAR DYNAMIC RANGES

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract : 34283.000 NATIONAL PRESTO
Instrument ID: 40ICP2 Effective Date:01/15/2015

Analyte	Concentration (ug/L)
Cadmium	13500

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Preparation Method: EPA 3010 Batch: MPRP 14949

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
1445282	1445282BLANK	12/13/2016	25	25
1445283	1445283LCS	12/13/2016	25	25
1445284	1445284MS	12/13/2016	25	25
1445285	1445285MSD	12/13/2016	25	25
40143142001	EW-6	12/13/2016	25	25
40143142013	EW-5-78'	12/13/2016	25	25
40143142014	EW-5-88'	12/13/2016	25	25

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Green Bay SDG No. : 40143142 Contract: 34283.000 NATIONAL PRESTO IND.

Instrument ID: 40ICP2

Analysis Method: EPA 6010

Start Date: 12/14/2016 09:07

End Date: 12/14/2016 11:58

Sample Name	Lab Sample ID	D/F	Date	Time	Cd
9285534CAL0	9285534CAL0	1	12/14/2016	09:07	X
9285535CAL1	9285535CAL1	1	12/14/2016	09:10	X
9285536ICV	9285536ICV	1	12/14/2016	09:13	X
9285537ICB	9285537ICB	1	12/14/2016	09:16	X
9285539CRDL	9285539CRDL	1	12/14/2016	09:18	X
9285540ICSA	9285540ICSA	1	12/14/2016	09:20	X
9285541ICSAB	9285541ICSAB	1	12/14/2016	09:23	X
9285542CCV	9285542CCV	1	12/14/2016	09:25	X
9285543CCB	9285543CCB	1	12/14/2016	09:28	X
9285618CCV	9285618CCV	1	12/14/2016	10:52	X
9285619CCB	9285619CCB	1	12/14/2016	10:54	X
1445282BLANK	1445282	1	12/14/2016	11:03	X
1445283LCS	1445283	1	12/14/2016	11:05	X
40143087016	40143087016	1	12/14/2016	11:07	X
1445284MS	1445284	1	12/14/2016	11:10	X
1445285MSD	1445285	1	12/14/2016	11:12	X
1445789PDS	1445789	1	12/14/2016	11:14	X
40143087017	40143087017	1	12/14/2016	11:17	X
1445790SD	1445790	5	12/14/2016	11:19	X
9289077CCV	9289077CCV	1	12/14/2016	11:26	X
9289078CCB	9289078CCB	1	12/14/2016	11:28	X
EW-6	40143142001	1	12/14/2016	11:38	X
EW-5-78'	40143142013	1	12/14/2016	11:41	X
EW-5-88'	40143142014	1	12/14/2016	11:43	X
9289088CCV	9289088CCV	1	12/14/2016	11:56	X
9289089CCB	9289089CCB	1	12/14/2016	11:58	X

December 20, 2016

Dan Milewsky
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

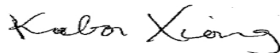
RE: Project: 40143295 Gannett Fleming Inc
Pace Project No.: 10372857

Dear Dan Milewsky:

Enclosed are the analytical results for sample(s) received by the laboratory on December 10, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Kabor Xiong
kabor.xiong@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 40143295 Gannett Fleming Inc

Pace Project No.: 10372857

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification UST-107

525 N 8th Street, Salina, KS 67401

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 40143295 Gannett Fleming Inc

Pace Project No.: 10372857

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143295001	CW-11	Water	12/07/16 09:20	12/10/16 10:05
40143295002	CW-15	Water	12/07/16 09:25	12/10/16 10:05
40143295003	CW-16	Water	12/07/16 09:10	12/10/16 10:05
40143295004	CW-17	Water	12/07/16 09:45	12/10/16 10:05
40143295005	CW-19	Water	12/07/16 09:30	12/10/16 10:05
40143295006	RAW	Water	12/07/16 09:00	12/10/16 10:05
40143295007	TOWER A	Water	12/07/16 09:05	12/10/16 10:05
40143295008	TOWER B	Water	12/07/16 09:07	12/10/16 10:05
40143295009	FINISHED PRODUCT	Water	12/07/16 08:50	12/10/16 10:05

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 40143295 Gannett Fleming Inc

Pace Project No.: 10372857

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40143295001	CW-11	EPA 524.2	DJB	8
40143295002	CW-15	EPA 524.2	DJB	8
40143295003	CW-16	EPA 524.2	DJB	8
40143295004	CW-17	EPA 524.2	DJB	8
40143295005	CW-19	EPA 524.2	DJB	8
40143295006	RAW	EPA 524.2	DJB	8
40143295007	TOWER A	EPA 524.2	DJB	8
40143295008	TOWER B	EPA 524.2	DJB	8
40143295009	FINISHED PRODUCT	EPA 524.2	DJB	8

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 40143295 Gannett Fleming Inc

Pace Project No.: 10372857

Sample: CW-11 **Lab ID: 40143295001** Collected: 12/07/16 09:20 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:12	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:12	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:12	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:12	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 18:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		12/13/16 18:12	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/13/16 18:12	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:12	17060-07-0	

Sample: CW-15 **Lab ID: 40143295002** Collected: 12/07/16 09:25 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:34	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:34	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:34	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:34	71-55-6	
Trichloroethene	0.18J	ug/L	0.40	0.044	1		12/13/16 18:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		12/13/16 18:34	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 18:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:34	17060-07-0	

Sample: CW-16 **Lab ID: 40143295003** Collected: 12/07/16 09:10 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:57	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:57	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:57	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:57	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 18:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/13/16 18:57	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 18:57	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:57	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 40143295 Gannett Fleming Inc

Pace Project No.: 10372857

Sample: CW-17 **Lab ID: 40143295004** Collected: 12/07/16 09:45 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 19:19	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 19:19	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 19:19	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 19:19	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 19:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 19:19	460-00-4	
Toluene-d8 (S)	101	%	75-125		1		12/13/16 19:19	2037-26-5	
1,2-Dichloroethane-d4 (S)	115	%	75-125		1		12/13/16 19:19	17060-07-0	

Sample: CW-19 **Lab ID: 40143295005** Collected: 12/07/16 09:30 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 19:41	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 19:41	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 19:41	127-18-4	
1,1,1-Trichloroethane	0.27J	ug/L	0.50	0.10	1		12/13/16 19:41	71-55-6	
Trichloroethene	2.1	ug/L	0.40	0.044	1		12/13/16 19:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 19:41	460-00-4	
Toluene-d8 (S)	100	%	75-125		1		12/13/16 19:41	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 19:41	17060-07-0	

Sample: RAW **Lab ID: 40143295006** Collected: 12/07/16 09:00 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:03	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:03	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:03	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:03	71-55-6	
Trichloroethene	0.60	ug/L	0.40	0.044	1		12/13/16 20:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		12/13/16 20:03	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/13/16 20:03	2037-26-5	
1,2-Dichloroethane-d4 (S)	120	%	75-125		1		12/13/16 20:03	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 40143295 Gannett Fleming Inc

Pace Project No.: 10372857

Sample: TOWER A									
		Lab ID: 40143295007	Collected: 12/07/16 09:05	Received: 12/10/16 10:05	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:25	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:25	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:25	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:25	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 20:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/13/16 20:25	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 20:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	117	%	75-125		1		12/13/16 20:25	17060-07-0	

Sample: TOWER B									
		Lab ID: 40143295008	Collected: 12/07/16 09:07	Received: 12/10/16 10:05	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:47	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:47	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:47	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:47	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 20:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 20:47	460-00-4	
Toluene-d8 (S)	101	%	75-125		1		12/13/16 20:47	2037-26-5	
1,2-Dichloroethane-d4 (S)	118	%	75-125		1		12/13/16 20:47	17060-07-0	

Sample: FINISHED PRODUCT									
		Lab ID: 40143295009	Collected: 12/07/16 08:50	Received: 12/10/16 10:05	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/17/16 00:16	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/17/16 00:16	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/17/16 00:16	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/17/16 00:16	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/17/16 00:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/17/16 00:16	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/17/16 00:16	2037-26-5	
1,2-Dichloroethane-d4 (S)	95	%	75-125		1		12/17/16 00:16	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 40143295 Gannett Fleming Inc
Pace Project No.: 10372857

QC Batch: 451487 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40143295001, 40143295002, 40143295003, 40143295004, 40143295005, 40143295006, 40143295007, 40143295008

METHOD BLANK: 2472071 Matrix: Water
Associated Lab Samples: 40143295001, 40143295002, 40143295003, 40143295004, 40143295005, 40143295006, 40143295007, 40143295008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	0.50	12/13/16 12:20	
1,1-Dichloroethane	ug/L	<0.088	0.50	12/13/16 12:20	
1,1-Dichloroethene	ug/L	<0.089	0.50	12/13/16 12:20	
Tetrachloroethene	ug/L	<0.12	0.50	12/13/16 12:20	
Trichloroethene	ug/L	<0.044	0.40	12/13/16 12:20	
1,2-Dichloroethane-d4 (S)	%	114	75-125	12/13/16 12:20	
4-Bromofluorobenzene (S)	%	103	75-125	12/13/16 12:20	
Toluene-d8 (S)	%	101	75-125	12/13/16 12:20	

LABORATORY CONTROL SAMPLE & LCSD: 2472072 2472073

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.0	21.5	110	107	70-130	3	20	
1,1-Dichloroethane	ug/L	20	20.4	20.0	102	100	70-130	2	20	
1,1-Dichloroethene	ug/L	20	21.0	20.5	105	103	70-130	2	20	
Tetrachloroethene	ug/L	20	21.0	20.1	105	101	70-130	4	20	
Trichloroethene	ug/L	20	20.7	20.2	104	101	70-130	2	20	
1,2-Dichloroethane-d4 (S)	%				106	108	75-125			
4-Bromofluorobenzene (S)	%				101	101	75-125			
Toluene-d8 (S)	%				103	102	75-125			

MATRIX SPIKE SAMPLE: 2472074

Parameter	Units	40143141009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	20	22.5	112	70-130	
1,1-Dichloroethane	ug/L	<0.088	20	19.9	99	70-130	
1,1-Dichloroethene	ug/L	<0.089	20	21.8	109	70-130	
Tetrachloroethene	ug/L	<0.12	20	20.0	100	70-130	
Trichloroethene	ug/L	<0.044	20	19.2	96	70-130	
1,2-Dichloroethane-d4 (S)	%				108	75-125	
4-Bromofluorobenzene (S)	%				98	75-125	
Toluene-d8 (S)	%				100	75-125	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 40143295 Gannett Fleming Inc

Pace Project No.: 10372857

SAMPLE DUPLICATE: 2472075

Parameter	Units	40143141011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	<0.10		20	
1,1-Dichloroethane	ug/L	<0.088	<0.088		20	
1,1-Dichloroethene	ug/L	<0.089	<0.089		20	
Tetrachloroethene	ug/L	<0.12	<0.12		20	
Trichloroethene	ug/L	<0.044	<0.044		20	
1,2-Dichloroethane-d4 (S)	%	117	116	2		
4-Bromofluorobenzene (S)	%	102	99	2		
Toluene-d8 (S)	%	100	99	0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 40143295 Gannett Fleming Inc
Pace Project No.: 10372857

QC Batch: 452191 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40143295009

METHOD BLANK: 2475523 Matrix: Water
Associated Lab Samples: 40143295009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	0.50	12/16/16 22:03	
1,1-Dichloroethane	ug/L	<0.088	0.50	12/16/16 22:03	
1,1-Dichloroethene	ug/L	<0.089	0.50	12/16/16 22:03	
Tetrachloroethene	ug/L	<0.12	0.50	12/16/16 22:03	
Trichloroethene	ug/L	<0.044	0.40	12/16/16 22:03	
1,2-Dichloroethane-d4 (S)	%	98	75-125	12/16/16 22:03	
4-Bromofluorobenzene (S)	%	99	75-125	12/16/16 22:03	
Toluene-d8 (S)	%	99	75-125	12/16/16 22:03	

LABORATORY CONTROL SAMPLE & LCSD: 2475524

Parameter	Units	2475525								Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	
1,1,1-Trichloroethane	ug/L	50	49.1	48.0	98	96	70-130	2	20	
1,1-Dichloroethane	ug/L	50	48.9	48.7	98	97	70-130	0	20	
1,1-Dichloroethene	ug/L	50	49.5	49.1	99	98	70-130	1	20	
Tetrachloroethene	ug/L	50	51.4	51.2	103	102	70-130	0	20	
Trichloroethene	ug/L	50	50.3	50.5	101	101	70-130	0	20	
1,2-Dichloroethane-d4 (S)	%				97	97	75-125			
4-Bromofluorobenzene (S)	%				99	98	75-125			
Toluene-d8 (S)	%				101	100	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2475526

Parameter	Units	2475527										
		60234089001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	18.5	17.7	93	89	70-130	4	20	
1,1-Dichloroethane	ug/L	ND	20	20	19.1	18.3	95	91	70-130	4	20	
1,1-Dichloroethene	ug/L	ND	20	20	20.1	19.3	101	97	70-130	4	20	
Tetrachloroethene	ug/L	ND	20	20	18.3	16.9	91	85	70-130	8	20	
Trichloroethene	ug/L	ND	20	20	19.0	18.3	95	91	70-130	4	20	
1,2-Dichloroethane-d4 (S)	%						95	95	75-125			
4-Bromofluorobenzene (S)	%						98	100	75-125			
Toluene-d8 (S)	%						98	98	75-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 40143295 Gannett Fleming Inc

Pace Project No.: 10372857

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 451487

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 40143295 Gannett Fleming Inc

Pace Project No.: 10372857

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143295001	CW-11	EPA 524.2	451487		
40143295002	CW-15	EPA 524.2	451487		
40143295003	CW-16	EPA 524.2	451487		
40143295004	CW-17	EPA 524.2	451487		
40143295005	CW-19	EPA 524.2	451487		
40143295006	RAW	EPA 524.2	451487		
40143295007	TOWER A	EPA 524.2	451487		
40143295008	TOWER B	EPA 524.2	451487		
40143295009	FINISHED PRODUCT	EPA 524.2	452191		

REPORT OF LABORATORY ANALYSIS

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

10372857

Chain of Custody



Workorder: 40143295 Workorder Name: B4283.000 NATIONAL PRESTO IND Owner Received Date: 12/9/2016 Results Requested By: 12/23/2016


Report To:		Subcontract To:				Requested Analysis										LAB USE ONLY				
Dan Milewsky Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436		Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414 Phone (612)607-1700				DW VOAS 524.2														
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	HCL														
1	CW-11	PS	12/7/2016 09:20	40143295001	Water	Y														001
2	CW-15	PS	12/7/2016 09:25	40143295002	Water	Y														002
3	CW-16	PS	12/7/2016 09:10	40143295003	Water	Y														003
4	CW-17	PS	12/7/2016 09:45	40143295004	Water	Y														004
5	CW-19	PS	12/7/2016 09:30	40143295005	Water	Y														005
6	RAW	PS	12/7/2016 09:00	40143295006	Water	Y														006
7	TOWER A	PS	12/7/2016 09:05	40143295007	Water	Y														007
8	TOWER B	PS	12/7/2016 09:07	40143295008	Water	Y														008
9	FINISHED PRODUCT	PS	12/7/2016 08:50	40143295009	Water	Y														009
Transfers																	Comments			
Released By	Date/Time	Received By	Date/Time																	
<i>[Signature]</i>	12/10/16	<i>[Signature]</i>	12/10/16	005																
Cooler Temperature on Receipt		Custody Seal		Received on Ice		Samples Intact														
12.6°C		Y or N		Y or N		Y or N														

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Condition Upon Receipt

Client Name: Pace GB Project #: _____

WO# : 10372857



10372857

Courier: Commercial Fed Ex UPS USPS Client
 Pace SpeeDee Other: _____

Tracking Number: _____

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other: _____ Temp Blank? Yes No

Thermometer Used: 151401163 151401164 B88A912167504 B88A0143310098

Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temp Read (°C): 1.7 Cooler Temp Corrected (°C): 1.6 Biological Tissue Frozen? Yes No N/A

Temp should be above freezing to 6°C Correction Factor: -0.1 Date and Initials of Person Examining Contents: KAC 12-20-16

USDA Regulated Soil (N/A, water sample)
 Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No
 If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>	
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
Exceptions: <u>COA</u> , Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>1 vial in Sample # 6 (RAW)</u>
Trip Blank Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____ Field Data Required? Yes No

Comments/Resolution: _____

Project Manager Review: Kalvin Xiong Date: 12/12/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 10372857

Organic

GC-MS Volatiles

Surrogate Recovery Summary (Form 2).....	1
Laboratory Control Spike/Laboratory Control Spike Duplicate Summary (Form 3).....	3
Matrix Spike/Matrix Spike Duplicate Summary (Form 3).....	7
Duplicate Summary (Form 3).....	10
Method Blank Association Summary (Form 4).....	11
Instrument Performance Check (Form 5).....	13
Internal Standard Area & Retention Time Summary (Form 8).....	18
Analytical Results with Raw Data (Form 1).....	22
Initial Calibration (Form 6).....	31
Continuing Calibration (Form 7).....	37
Raw Data QC.....	42
Instrument Run Log.....	63

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming

Instrument ID: 10MSV6

LAB SAMPLE ID	SAMPLE NAME	12D4	BFB	TOL8
2472071	2472071BLANK	114	103	101
2472072	2472072LCS	106	101	103
2472073	2472073LCSD	108	101	102
40143295001	CW-11	116	101	99
40143295002	CW-15	116	101	102
40143295003	CW-16	116	102	102
40143295004	CW-17	115	100	101
40143295005	CW-19	116	100	100
40143295006	RAW	120	103	99
40143295007	TOWER A	117	102	102
40143295008	TOWER B	118	100	101

QC LIMITS

(75-125)

(75-125)

(75-125)

(12D4) = 1,2-Dichloroethane-d4 (S)

(BFB) = 4-Bromofluorobenzene (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

MSV - FORM II VOA-2
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming

Instrument ID: 10MSV6

LAB SAMPLE ID	SAMPLE NAME	12D4	BFB	TOL8
2475523	2475523BLANK	98	99	99
2475524	2475524LCS	97	99	101
2475525	2475525LCSD	97	98	100
40143295009	FINISHED PRODUCT	95	102	99

(12D4) = 1,2-Dichloroethane-d4 (S)

(BFB) = 4-Bromofluorobenzene (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

QC LIMITS

(75-125)

(75-125)

(75-125)

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota
 Date Extracted: 12/13/2016
 Instrument: 10MSV6
 Lab File ID: 121316A.B\34804L.D

Lab Sample ID: 2472072LCS
 Date Analyzed (1): 12/13/2016
 LCS Lot No: 105858
 SDG No.: 10372857

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	20.0	20.4	102	70-130
1,1-Dichloroethene	20.0	21.0	105	70-130
Tetrachloroethene	20.0	21.0	105	70-130
1,1,1-Trichloroethane	20.0	22.0	110	70-130
Trichloroethene	20.0	20.7	104	70-130

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-2
WATER LABORATORY CONTROL SAMPLE RECOVERY

Instrument ID (2): 10MSV6

Lab Sample ID (2): 2472073LCSD

Date Analyzed 12/13/2016

Lab File ID (2): 121316A.B\34805.D

COMPOUND	AMOUNT ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1-Dichloroethane	20.0	20.0	100	2	0-20	70-130
1,1-Dichloroethene	20.0	20.5	103	2	0-20	70-130
Tetrachloroethene	20.0	20.1	101	4	0-20	70-130
1,1,1-Trichloroethane	20.0	21.5	107	3	0-20	70-130
Trichloroethene	20.0	20.2	101	2	0-20	70-130

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota
 Date Extracted: 12/16/2016
 Instrument: 10MSV6
 Lab File ID: 121616C.B\35129L38287.D

Lab Sample ID: 2475524LCS
 Date Analyzed (1): 12/16/2016
 LCS Lot No: 105858
 SDG No.: 10372857

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	50.0	48.9	98	70-130
1,1-Dichloroethene	50.0	49.5	99	70-130
Tetrachloroethene	50.0	51.4	103	70-130
1,1,1-Trichloroethane	50.0	49.1	98	70-130
Trichloroethene	50.0	50.3	101	70-130

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-2
WATER LABORATORY CONTROL SAMPLE RECOVERY

Instrument ID (2): 10MSV6

Lab Sample ID (2): 2475525LCSD

Date Analyzed 12/16/2016

Lab File ID (2): 121616C.B\35130LD38287.D

COMPOUND	AMOUNT ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1-Dichloroethane	50.0	48.7	97	0	0-20	70-130
1,1-Dichloroethene	50.0	49.1	98	1	0-20	70-130
Tetrachloroethene	50.0	51.2	102	0	0-20	70-130
1,1,1-Trichloroethane	50.0	48.0	96	2	0-20	70-130
Trichloroethene	50.0	50.5	101	0	0-20	70-130

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Minnesota

Matrix Spike - Sample No: 2472074MS

Date Extracted: 12/13/2016

Date Analyzed (1): 12/13/2016

Instrument: 10MSV6

Lab File ID: 121316A.B\34806.D

Parent Sample ID: 40143141009

SDG No.: 10372857

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	20.0	<0.10	22.5	112	70-130
1,1-Dichloroethane	20.0	<0.088	19.9	99	70-130
1,1-Dichloroethene	20.0	<0.089	21.8	109	70-130
Tetrachloroethene	20.0	<0.12	20.0	100	70-130
Trichloroethene	20.0	<0.044	19.2	96	70-130

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Minnesota

Matrix Spike - Sample No: 2475526MS

Date Extracted: 12/16/2016

Date Analyzed (1): 12/16/2016

Instrument: 10MSV6

Lab File ID: 121616C.B\35131.D

Parent Sample ID: 60234089001

SDG No.: 10372857

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	20.0	ND	18.5	93	70-130
1,1-Dichloroethane	20.0	ND	19.1	95	70-130
1,1-Dichloroethene	20.0	ND	20.1	101	70-130
Tetrachloroethene	20.0	ND	18.3	91	70-130
Trichloroethene	20.0	ND	19.0	95	70-130

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-2
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 10MSV6 Matrix Spike Duplicate - Sample No: 2475527MSD
 Lab File ID (2): 121616C.B\35132.D Date Analyzed (2): 12/16/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	20.0	17.7	89	4	0-20	70-130
1,1-Dichloroethane	20.0	18.3	91	4	0-20	70-130
1,1-Dichloroethene	20.0	19.3	97	4	0-20	70-130
Tetrachloroethene	20.0	16.9	85	8	0-20	70-130
Trichloroethene	20.0	18.3	91	4	0-20	70-130

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM III VOA-1
WATER VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Minnesota
Date Extracted: 12/13/2016
Instrument 10MSV6
Lab Sample ID: 40143141011

Duplicate Sample No: 40143141011DUP
Date Analyzed: 12/13/2016
Lab File ID: 121316A.B\34816.D
SDG No.: 10372857

COMPOUND	SAMPLE CONCENTRATION (ug/L)	DUPLICATE CONCENTRATION (ug/L)	RPD	RPD LIMITS
1,1,1-Trichloroethane	<0.10	<0.10		0-20
1,1-Dichloroethane	<0.088	<0.088		0-20
1,1-Dichloroethene	<0.089	<0.089		0-20
Tetrachloroethene	<0.12	<0.12		0-20
Trichloroethene	<0.044	<0.044		0-20

RPD: ___ out of 0 outside limits.

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

2472071BLANK

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming
Instrument ID: 10MSV6 Matrix: Water Lab Sample ID: 2472071
Lab File ID: 121316A.B\34810.D Date Analyzed: 12/13/2016 Time: 12:20

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
2472072LCS	2472072	121316A.B\34804L.D	12/13/2016 10:07
2472073LCSD	2472073	121316A.B\34805.D	12/13/2016 10:29
2472075DUP	2472075	121316A.B\34816.D	12/13/2016 14:32
CW-11	40143295001	121316A.B\34826.D	12/13/2016 18:12
CW-15	40143295002	121316A.B\34827.D	12/13/2016 18:34
CW-16	40143295003	121316A.B\34828.D	12/13/2016 18:57
CW-17	40143295004	121316A.B\34829.D	12/13/2016 19:19
CW-19	40143295005	121316A.B\34830.D	12/13/2016 19:41
RAW	40143295006	121316A.B\34831.D	12/13/2016 20:03
TOWER A	40143295007	121316A.B\34832.D	12/13/2016 20:25
TOWER B	40143295008	121316A.B\34833.D	12/13/2016 20:47

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

2475523BLANK

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming
Instrument ID: 10MSV6 Matrix: Water Lab Sample ID: 2475523
Lab File ID: 121616C.B\35136B38287.D Date Analyzed: 12/16/2016 Time: 22:03

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
2475524LCS	2475524	121616C.B\35129L38287.D	12/16/2016 19:28
2475525LCSD	2475525	121616C.B\35130LD38287.D	12/16/2016 19:50
FINISHED PRODUCT	40143295009	121616C.B\35142.D	12/17/2016 00:16

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming
 Lab File ID: 112816B.B\33324.D BFB Injection Date: 11/28/2016
 Instrument ID: 10MSV6 BFB Injection Time: 20:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	21.77
75	30.00 - 60.00% of mass 95	51.02
95	Mass 95 relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.92
173	Less than 2.00% of mass 174	0.69 (0.80) ¹
174	50.00 - 120.00% of mass 95	86.46
175	5.00 - 9.00% of mass 174	6.25 (7.23) ¹
176	95.00 - 101.00% of mass 174	83.74 (96.85) ¹
177	5.00 - 9.00% of mass 176	5.39 (6.44) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
16276298CAL1	16276298CAL1	112816B.B\33325.D	11/28/2016	20:35
16276288CAL2	16276288CAL2	112816B.B\33326.D	11/28/2016	20:57
16276297CAL3	16276297CAL3	112816B.B\33327.D	11/28/2016	21:19
16276295CAL4	16276295CAL4	112816B.B\33328.D	11/28/2016	21:41
16276296CAL5	16276296CAL5	112816B.B\33329.D	11/28/2016	22:04
16276291CAL6	16276291CAL6	112816B.B\33330.D	11/28/2016	22:26
16276293CAL7	16276293CAL7	112816B.B\33331.D	11/28/2016	22:48
16276290CAL8	16276290CAL8	112816B.B\33332.D	11/28/2016	23:10
16276292CAL9	16276292CAL9	112816B.B\33333.D	11/28/2016	23:32

MSV - FORM V VOA-1
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming
 Lab File ID: 112816C.B\33336.D BFB Injection Date: 11/29/2016
 Instrument ID: 10MSV6 BFB Injection Time: 00:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	23.28
75	30.00 - 60.00% of mass 95	51.75
95	Mass 95 relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.00
174	50.00 - 120.00% of mass 95	85.44
175	5.00 - 9.00% of mass 174	6.55 (7.66) ¹
176	95.00 - 101.00% of mass 174	83.72 (97.99) ¹
177	5.00 - 9.00% of mass 176	5.48 (6.55) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
16276294ICV	16276294ICV	112816C.B\33337.D	11/29/2016	01:00

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming
 Lab File ID: 121316A.B\34802.D BFB Injection Date: 12/13/2016
 Instrument ID: 10MSV6 BFB Injection Time: 09:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	22.69
75	30.00 - 60.00% of mass 95	52.88
95	Mass 95 relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.00
174	50.00 - 120.00% of mass 95	93.56
175	5.00 - 9.00% of mass 174	7.03 (7.51) ¹
176	95.00 - 101.00% of mass 174	90.91 (97.16) ¹
177	5.00 - 9.00% of mass 176	5.44 (5.98) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
16385661CCV	16385661CCV	121316A.B\34803.D	12/13/2016	09:45
16385659CCV	16385659CCV	121316A.B\34804.D	12/13/2016	10:07
2472072LCS	2472072LCS	121316A.B\34804L.D	12/13/2016	10:07
2472073LCSD	2472073LCSD	121316A.B\34805.D	12/13/2016	10:29
2472071BLANK	2472071BLANK	121316A.B\34810.D	12/13/2016	12:20
CW-11	40143295001	121316A.B\34826.D	12/13/2016	18:12
CW-15	40143295002	121316A.B\34827.D	12/13/2016	18:34
CW-16	40143295003	121316A.B\34828.D	12/13/2016	18:57
CW-17	40143295004	121316A.B\34829.D	12/13/2016	19:19
CW-19	40143295005	121316A.B\34830.D	12/13/2016	19:41
RAW	40143295006	121316A.B\34831.D	12/13/2016	20:03
TOWER A	40143295007	121316A.B\34832.D	12/13/2016	20:25
TOWER B	40143295008	121316A.B\34833.D	12/13/2016	20:47

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming
 Lab File ID: 121616B.B\35114.D BFB Injection Date: 12/16/2016
 Instrument ID: 10MSV6 BFB Injection Time: 13:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	21.06
75	30.00 - 60.00% of mass 95	51.31
95	Mass 95 relative abundance	100.00
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.44 (0.51) ¹
174	50.00 - 120.00% of mass 95	86.03
175	5.00 - 9.00% of mass 174	6.48 (7.54) ¹
176	95.00 - 101.00% of mass 174	83.16 (96.67) ¹
177	5.00 - 9.00% of mass 176	5.74 (6.90) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
16409179CAL1	16409179CAL1	121616B.B\35115.D	12/16/2016	14:18
16409174CAL2	16409174CAL2	121616B.B\35116.D	12/16/2016	14:40
16409164CAL3	16409164CAL3	121616B.B\35117.D	12/16/2016	15:03
16409173CAL4	16409173CAL4	121616B.B\35118.D	12/16/2016	15:25
16409177CAL5	16409177CAL5	121616B.B\35119.D	12/16/2016	15:47
16409176CAL6	16409176CAL6	121616B.B\35120.D	12/16/2016	16:09
16409175CAL7	16409175CAL7	121616B.B\35121.D	12/16/2016	16:31
16409181CAL8	16409181CAL8	121616B.B\35122.D	12/16/2016	16:53
16409178CAL9	16409178CAL9	121616B.B\35123.D	12/16/2016	17:15

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming
 Lab File ID: 121616C.B\35128T.D BFB Injection Date: 12/16/2016
 Instrument ID: 10MSV6 BFB Injection Time: 19:06

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	19.81
75	30.00 - 60.00% of mass 95	49.63
95	Mass 95 relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.44
173	Less than 2.00% of mass 174	0.39 (0.41) ¹
174	50.00 - 120.00% of mass 95	94.66
175	5.00 - 9.00% of mass 174	7.29 (7.71) ¹
176	95.00 - 101.00% of mass 174	93.96 (99.25) ¹
177	5.00 - 9.00% of mass 176	6.30 (6.70) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
16438391ICV	16438391ICV	121616C.B\35128.D	12/16/2016	19:06
16438392CCV	16438392CCV	121616C.B\35129.D	12/16/2016	19:28
2475524LCS	2475524LCS	121616C.B\35129L38287.D	12/16/2016	19:28
2475525LCSD	2475525LCSD	121616C.B\35130LD38287.D	12/16/2016	19:50
2475523BLANK	2475523BLANK	121616C.B\35136B38287.D	12/16/2016	22:03
FINISHED PRODUCT	40143295009	121616C.B\35142.D	12/17/2016	00:16

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming Inc
 Sample ID : 16385661CCV Date Analyzed: 12/13/2016
 Instrument ID: 10MSV6 GC Column: Col 1 Time Analyzed: 09:45
 Lab File ID: 121316A.B\34803.D

		AREA 14D8IS	RT	AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT
12 HOUR STD		32842	4.474	259404	5.632	143848	6.87	285694	4.041
UPPER LIMIT		65684	4.974	518808	6.132	287696	7.37	571388	4.541
LOWER LIMIT		16421	3.974	129702	5.132	71924	6.37	142847	3.541
LAB SAMPLE ID	SAMPLE NO.								
2472071	2472071BLANK	27662	4.48	250451	5.632	128608	6.87	272677	4.041
2472072	2472072LCS	35134	4.474	263191	5.632	143663	6.87	287512	4.041
2472073	2472073LCSD	36209	4.474	262430	5.632	145157	6.87	290837	4.041
40143295001	CW-11	34167	4.48	251483	5.632	130276	6.87	267084	4.041
40143295002	CW-15	30959	4.48	238357	5.632	126464	6.87	263006	4.041
40143295003	CW-16	33924	4.48	238620	5.632	128203	6.87	257086	4.041
40143295004	CW-17	36387	4.48	242105	5.632	127332	6.87	261878	4.041
40143295005	CW-19	33908	4.474	241684	5.632	125358	6.87	255866	4.041
40143295006	RAW	35707	4.48	242879	5.632	122373	6.87	259430	4.041
40143295007	TOWER A	35561	4.48	237901	5.632	124977	6.87	253646	4.041
40143295008	TOWER B	34394	4.474	232936	5.632	124714	6.87	249919	4.041

14D8IS = 1,4-Dioxane-d8 (IS)
 CBZ = Chlorobenzene-d5 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 DFB = 1,4-Difluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming Inc

Sample ID : 16385661CCV Date Analyzed: 12/13/2016

Instrument ID: 10MSV6 GC Column: Col 1 Time Analyzed: 09:45

Lab File ID: 121316A.B\34803.D

		AREA ACETD6IS	RT	AREA PFB	RT
12 HOUR STD		70954	2.048	192086	3.712
UPPER LIMIT		141908	2.548	384172	4.212
LOWER LIMIT		35477	1.548	96043	3.212
LAB SAMPLE ID	SAMPLE NO.				
2472071	2472071BLANK	67869	2.048	181195	3.712
2472072	2472072LCS	74405	2.048	199214	3.712
2472073	2472073LCSD	76724	2.048	199355	3.712
40143295001	CW-11	69114	2.048	177869	3.712
40143295002	CW-15	64090	2.054	174341	3.712
40143295003	CW-16	69989	2.048	173616	3.712
40143295004	CW-17	68427	2.047	178688	3.712
40143295005	CW-19	67318	2.048	172882	3.712
40143295006	RAW	68438	2.047	170049	3.712
40143295007	TOWER A	69308	2.054	172220	3.712
40143295008	TOWER B	69449	2.048	169119	3.712

ACETD6IS = Acetone-d6 (IS)

PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming Inc
 Sample ID : 16438392CCV Date Analyzed: 12/16/2016
 Instrument ID: 10MSV6 GC Column: Col 1 Time Analyzed: 19:28
 Lab File ID: 121616C.B\35129.D

		AREA 14D8IS	RT	AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT
12 HOUR STD		53396	4.462	328210	5.626	190328	6.87	364772	4.017
UPPER LIMIT		106792	4.962	656420	6.126	380656	7.37	729544	4.517
LOWER LIMIT		26698	3.962	164105	5.126	95164	6.37	182386	3.517
LAB SAMPLE ID	SAMPLE NO.								
2475523	2475523BLANK	50355	4.462	334711	5.626	183217	6.87	366024	4.023
2475524	2475524LCS	53396	4.462	328210	5.626	190328	6.87	364772	4.017
2475525	2475525LCSD	54858	4.462	334938	5.626	191007	6.87	367517	4.023
40143295009	FINISHED PRODUCT	55855	4.462	341081	5.626	185699	6.87	370669	4.023

14D8IS = 1,4-Dioxane-d8 (IS)
 CBZ = Chlorobenzene-d5 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 DFB = 1,4-Difluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10372857 Contract: 40143295 Gannett Fleming Inc

Sample ID : 16438392CCV Date Analyzed: 12/16/2016

Instrument ID: 10MSV6 GC Column: Col 1 Time Analyzed: 19:28

Lab File ID: 121616C.B\35129.D

		AREA ACETD6IS	RT	AREA PFB	RT
12 HOUR STD		98102	2.023	246928	3.688
UPPER LIMIT		196204	2.523	493856	4.188
LOWER LIMIT		49051	1.523	123464	3.188
LAB SAMPLE ID	SAMPLE NO.				
2475523	2475523BLANK	84946	2.023	244435	3.688
2475524	2475524LCS	98102	2.023	246928	3.688
2475525	2475525LCSD	99205	2.023	250280	3.687
40143295009	FINISHED PRODUCT	90995	2.023	253979	3.687

ACETD6IS = Acetone-d6 (IS)

PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-11

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: 12/10/2016 10:05 Matrix: Water SDG No.: 10372857
Date Extracted: 12/13/2016 18:12 Lab Sample ID: 40143295001
Date Analyzed: 12/13/2016 18:12 Lab File ID: 121316A.B\34826.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-15

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: 12/10/2016 10:05 Matrix: Water SDG No.: 10372857
Date Extracted: 12/13/2016 18:34 Lab Sample ID: 40143295002
Date Analyzed: 12/13/2016 18:34 Lab File ID: 121316A.B\34827.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	0.18	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-16

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: 12/10/2016 10:05 Matrix: Water SDG No.: 10372857
Date Extracted: 12/13/2016 18:57 Lab Sample ID: 40143295003
Date Analyzed: 12/13/2016 18:57 Lab File ID: 121316A.B\34828.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-17

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: 12/10/2016 10:05 Matrix: Water SDG No.: 10372857
Date Extracted: 12/13/2016 19:19 Lab Sample ID: 40143295004
Date Analyzed: 12/13/2016 19:19 Lab File ID: 121316A.B\34829.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-19

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: 12/10/2016 10:05 Matrix: Water SDG No.: 10372857
Date Extracted: 12/13/2016 19:41 Lab Sample ID: 40143295005
Date Analyzed: 12/13/2016 19:41 Lab File ID: 121316A.B\34830.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	0.27	J
79-01-6	Trichloroethene	2.1	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RAW

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: 12/10/2016 10:05 Matrix: Water SDG No.: 10372857
Date Extracted: 12/13/2016 20:03 Lab Sample ID: 40143295006
Date Analyzed: 12/13/2016 20:03 Lab File ID: 121316A.B\34831.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	0.60	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TOWER A

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: 12/10/2016 10:05 Matrix: Water SDG No.: 10372857
Date Extracted: 12/13/2016 20:25 Lab Sample ID: 40143295007
Date Analyzed: 12/13/2016 20:25 Lab File ID: 121316A.B\34832.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TOWER B

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: 12/10/2016 10:05 Matrix: Water SDG No.: 10372857
Date Extracted: 12/13/2016 20:47 Lab Sample ID: 40143295008
Date Analyzed: 12/13/2016 20:47 Lab File ID: 121316A.B\34833.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FINISHED PRODUCT

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: 12/10/2016 10:05 Matrix: Water SDG No.: 10372857
Date Extracted: 12/17/2016 00:16 Lab Sample ID: 40143295009
Date Analyzed: 12/17/2016 00:16 Lab File ID: 121616C.B\35142.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10MSV6 GC Column: Col 1 SDG No.: 10372857
 Calibration Date(s): 11/28/2016 11/28/2016 Calibration Time(s): 20:35 23:32

LAB FILE ID

CAL1 = 112816B.B\33325.D CAL2 = 112816B.B\33326.D CAL3 = 112816B.B\33327.D
 CAL4 = 112816B.B\33328.D CAL5 = 112816B.B\33329.D CAL6 = 112816B.B\33330.D
 CAL7 = 112816B.B\33331.D CAL8 = 112816B.B\33332.D CAL9 = 112816B.B\33333.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,1-Dichloroethane	Averaged	2.02350	1.99150	2.10333	1.68307	1.85954	1.78917
1,1-Dichloroethene	Averaged	0.63566	0.91959	0.95108	0.73804	0.78354	0.76071
Tetrachloroethene	Averaged	1.01615	0.93359	0.90640	0.81843	0.88432	0.87085
1,1,1-Trichloroethane	Averaged	1.35871	1.75177	1.85445	1.37425	1.52458	1.51026
Trichloroethene	Averaged	0.80750	0.79119	0.78796	0.70322	0.75632	0.75590
4-Bromofluorobenzene (S)	Averaged	0.93254	0.90883	0.91716	0.93882	0.93371	0.91790
1,2-Dichloroethane-d4 (S)	Averaged	0.58592	0.58990	0.57077	0.57414	0.56808	0.57049
Toluene-d8 (S)	Averaged	1.18846	1.17987	1.19300	1.20159	1.19029	1.19941

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10MSV6 GC Column: Col 1 SDG No.: 10372857
 Calibration Date(s): 11/28/2016 11/28/2016 Calibration Time(s): 20:35 23:32

LAB FILE ID

CAL1 = 112816B.B\33325.D CAL2 = 112816B.B\33326.D CAL3 = 112816B.B\33327.D
 CAL4 = 112816B.B\33328.D CAL5 = 112816B.B\33329.D CAL6 = 112816B.B\33330.D
 CAL7 = 112816B.B\33331.D CAL8 = 112816B.B\33332.D CAL9 = 112816B.B\33333.D

COMPOUND	CURVE TYPE	CAL7	CAL8	CAL9
1,1-Dichloroethane	Averaged	1.77814	1.79675	1.83905
1,1-Dichloroethene	Averaged	0.76824	0.77676	0.77827
Tetrachloroethene	Averaged	0.86679	0.85762	0.85038
1,1,1-Trichloroethane	Averaged	1.52389	1.55536	1.59845
Trichloroethene	Averaged	0.74152	0.71953	0.71324
4-Bromofluorobenzene (S)	Averaged	0.94011	0.91722	0.92780
1,2-Dichloroethane-d4 (S)	Averaged	0.57081	0.58620	0.61017
Toluene-d8 (S)	Averaged	1.19955	1.19575	1.20951

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10MSV6 GC Column: Col 1 SDG No.: 10372857
 Calibration Date(s): 11/28/2016 11/28/2016 Calibration Time(s): 20:35 23:32

LAB FILE ID

CAL1 = 112816B.B\33325.D CAL2 = 112816B.B\33326.D CAL3 = 112816B.B\33327.D
 CAL4 = 112816B.B\33328.D CAL5 = 112816B.B\33329.D CAL6 = 112816B.B\33330.D
 CAL7 = 112816B.B\33331.D CAL8 = 112816B.B\33332.D CAL9 = 112816B.B\33333.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
1,1-Dichloroethane	Averaged	7.28300			1.87378	
1,1-Dichloroethene	Averaged	11.91739			0.79021	
Tetrachloroethene	Averaged	6.50267			0.88939	
1,1,1-Trichloroethane	Averaged	10.25324			1.56130	
Trichloroethene	Averaged	4.92060			0.75293	
4-Bromofluorobenzene (S)	Averaged	1.19789			0.92601	
1,2-Dichloroethane-d4 (S)	Averaged	2.36829			0.58072	
Toluene-d8 (S)	Averaged	0.71967			1.19527	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10MSV6 GC Column: Col 1 SDG No.: 10372857
 Calibration Date(s): 12/16/2016 12/16/2016 Calibration Time(s): 14:18 17:15

LAB FILE ID

CAL1 = 121616B.B\35115.D CAL2 = 121616B.B\35116.D CAL3 = 121616B.B\35117.D
 CAL4 = 121616B.B\35118.D CAL5 = 121616B.B\35119.D CAL6 = 121616B.B\35120.D
 CAL7 = 121616B.B\35121.D CAL8 = 121616B.B\35122.D CAL9 = 121616B.B\35123.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,1-Dichloroethane	Averaged	1.62233	2.21419	2.01209	1.95220	1.95165	1.90424
1,1-Dichloroethene	Averaged		0.97946	0.93419	0.91308	0.85856	0.81768
Tetrachloroethene	Averaged	0.75480	0.93177	0.96070	0.92978	0.93932	0.90706
1,1,1-Trichloroethane	Averaged	1.82670	1.68464	1.85844	1.80125	1.79010	1.69795
Trichloroethene	Averaged	0.61810	0.79647	0.77638	0.78273	0.74892	0.75842
4-Bromofluorobenzene (S)	Averaged	0.96611	0.94555	0.95455	0.93929	0.90483	0.94752
1,2-Dichloroethane-d4 (S)	Averaged	0.58858	0.58636	0.60528	0.59372	0.59947	0.58143
Toluene-d8 (S)	Averaged	1.19768	1.19038	1.21636	1.19870	1.21452	1.20559

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10MSV6 GC Column: Col 1 SDG No.: 10372857
 Calibration Date(s): 12/16/2016 12/16/2016 Calibration Time(s): 14:18 17:15

LAB FILE ID

CAL1 = 121616B.B\35115.D CAL2 = 121616B.B\35116.D CAL3 = 121616B.B\35117.D
 CAL4 = 121616B.B\35118.D CAL5 = 121616B.B\35119.D CAL6 = 121616B.B\35120.D
 CAL7 = 121616B.B\35121.D CAL8 = 121616B.B\35122.D CAL9 = 121616B.B\35123.D

COMPOUND	CURVE TYPE	CAL7	CAL8	CAL9
1,1-Dichloroethane	Averaged	1.91808	1.91066	1.99212
1,1-Dichloroethene	Averaged	0.81130	0.83787	0.83439
Tetrachloroethene	Averaged	0.92908	0.91724	0.90570
1,1,1-Trichloroethane	Averaged	1.68592	1.72019	1.76572
Trichloroethene	Averaged	0.75718	0.75326	0.74906
4-Bromofluorobenzene (S)	Averaged	0.92669	0.93181	0.96342
1,2-Dichloroethane-d4 (S)	Averaged	0.57936	0.58914	0.66016
Toluene-d8 (S)	Averaged	1.22101	1.20949	1.21300

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10MSV6 GC Column: Col 1 SDG No.: 10372857
 Calibration Date(s): 12/16/2016 12/16/2016 Calibration Time(s): 14:18 17:15

LAB FILE ID

CAL1 = 121616B.B\35115.D CAL2 = 121616B.B\35116.D CAL3 = 121616B.B\35117.D
 CAL4 = 121616B.B\35118.D CAL5 = 121616B.B\35119.D CAL6 = 121616B.B\35120.D
 CAL7 = 121616B.B\35121.D CAL8 = 121616B.B\35122.D CAL9 = 121616B.B\35123.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
1,1-Dichloroethane	Averaged	7.87041			1.94195	
1,1-Dichloroethene	Averaged	7.04331			0.87332	
Tetrachloroethene	Averaged	6.60533			0.90838	
1,1,1-Trichloroethane	Averaged	3.67178			1.75899	
Trichloroethene	Averaged	6.91389			0.74895	
4-Bromofluorobenzene (S)	Averaged	2.04420			0.94220	
1,2-Dichloroethane-d4 (S)	Averaged	4.12145			0.59817	
Toluene-d8 (S)	Averaged	0.83596			1.20742	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

16276294ICV

Lab Name: Pace Analytical - Minnesota Calibration Date: 11/29/2016 Time: 01:00
 Instrument ID: 10MSV6 GC Column: Col 1 Init. Calib. Date(s): 11/28/2016 11/28/2016
 Lab File ID: 112816C.B\33337.D Init. Calib. Time(s): 20:35 23:32
 SDG No.: 10372857

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.87378	1.80025	0.2000	-3.9241	20.0000
1,1-Dichloroethene	Averaged	0.79021	0.78242	0.1000	-0.9856	20.0000
Tetrachloroethene	Averaged	0.88939	0.86872	0.2000	-2.3242	20.0000
1,1,1-Trichloroethane	Averaged	1.56130	1.54508	0.1000	-1.0392	20.0000
Trichloroethene	Averaged	0.75293	0.74766	0.2000	-0.7001	20.0000
4-Bromofluorobenzene (S)	Averaged	0.92601	0.95774	0.2000	3.4266	30.0000
1,2-Dichloroethane-d4 (S)	Averaged	0.58072	0.56958	0.2000	-1.9187	30.0000
Toluene-d8 (S)	Averaged	1.19527	1.21013	0.2000	1.2432	30.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

16385661CCV

Lab Name: Pace Analytical - Minnesota Calibration Date: 12/13/2016 Time: 09:45
 Instrument ID: 10MSV6 GC Column: Col 1 Init. Calib. Date(s): 11/28/2016 11/28/2016
 Lab File ID: 121316A.B\34803.D Init. Calib. Time(s): 20:35 23:32
 SDG No.: 10372857

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.87378	1.00704	0.2000	7.4870	20.0000
1,1-Dichloroethene	Averaged	0.79021	0.42828	0.1000	8.3977	20.0000
Tetrachloroethene	Averaged	0.88939	0.46303	0.2000	4.1231	20.0000
1,1,1-Trichloroethane	Averaged	1.56130	0.89948	0.1000	15.2218	20.0000
Trichloroethene	Averaged	0.75293	0.39359	0.2000	4.5474	20.0000
4-Bromofluorobenzene (S)	Averaged	0.92601	0.91351	0.2000	-1.3503	30.0000
1,2-Dichloroethane-d4 (S)	Averaged	0.58072	0.63493	0.2000	9.3358	30.0000
Toluene-d8 (S)	Averaged	1.19527	1.23086	0.2000	2.9776	30.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

16385659CCV

Lab Name: Pace Analytical - Minnesota Calibration Date: 12/13/2016 Time: 10:07
 Instrument ID: 10MSV6 GC Column: Col 1 Init. Calib. Date(s): 11/28/2016 11/28/2016
 Lab File ID: 121316A.B\34804.D Init. Calib. Time(s): 20:35 23:32
 SDG No.: 10372857

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.87378	1.91071	0.2000	1.9707	20.0000
1,1-Dichloroethene	Averaged	0.79021	0.82867	0.1000	4.8670	20.0000
Tetrachloroethene	Averaged	0.88939	0.93512	0.2000	5.1411	20.0000
1,1,1-Trichloroethane	Averaged	1.56130	1.72094	0.1000	10.2246	20.0000
Trichloroethene	Averaged	0.75293	0.78049	0.2000	3.6600	20.0000
4-Bromofluorobenzene (S)	Averaged	0.92601	0.93912	0.2000	1.4159	30.0000
1,2-Dichloroethane-d4 (S)	Averaged	0.58072	0.61765	0.2000	6.3590	30.0000
Toluene-d8 (S)	Averaged	1.19527	1.23183	0.2000	3.0586	30.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

16438391ICV

Lab Name: Pace Analytical - Minnesota Calibration Date: 12/16/2016 Time: 19:06
 Instrument ID: 10MSV6 GC Column: Col 1 Init. Calib. Date(s): 12/16/2016 12/16/2016
 Lab File ID: 121616C.B\35128.D Init. Calib. Time(s): 14:18 17:15
 SDG No.: 10372857

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.94195	1.90950	0.2000	-1.6710	20.0000
1,1-Dichloroethene	Averaged	0.87332	0.83847	0.1000	-3.9903	20.0000
Tetrachloroethene	Averaged	0.90838	0.89291	0.2000	-1.7035	20.0000
1,1,1-Trichloroethane	Averaged	1.75899	1.66850	0.1000	-5.1442	20.0000
Trichloroethene	Averaged	0.74895	0.74350	0.2000	-0.7274	20.0000
4-Bromofluorobenzene (S)	Averaged	0.94220	0.94767	0.2000	0.5813	30.0000
1,2-Dichloroethane-d4 (S)	Averaged	0.59817	0.58148	0.2000	-2.7893	30.0000
Toluene-d8 (S)	Averaged	1.20742	1.18717	0.2000	-1.6766	30.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

16438392CCV

Lab Name: Pace Analytical - Minnesota Calibration Date: 12/16/2016 Time: 19:28
 Instrument ID: 10MSV6 GC Column: Col 1 Init. Calib. Date(s): 12/16/2016 12/16/2016
 Lab File ID: 121616C.B\35129.D Init. Calib. Time(s): 14:18 17:15
 SDG No.: 10372857

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	1.94195	4.74679	0.2000	-2.2264	20.0000
1,1-Dichloroethene	Averaged	0.87332	2.15957	0.1000	-1.0865	20.0000
Tetrachloroethene	Averaged	0.90838	2.33661	0.2000	2.8911	20.0000
1,1,1-Trichloroethane	Averaged	1.75899	4.31668	0.1000	-1.8372	20.0000
Trichloroethene	Averaged	0.74895	1.88403	0.2000	0.6227	20.0000
4-Bromofluorobenzene (S)	Averaged	0.94220	0.93549	0.2000	-0.7124	30.0000
1,2-Dichloroethane-d4 (S)	Averaged	0.59817	0.58302	0.2000	-2.5317	30.0000
Toluene-d8 (S)	Averaged	1.20742	1.22489	0.2000	1.4470	30.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Date : 28-NOV-2016 20:13

Client ID: BFB

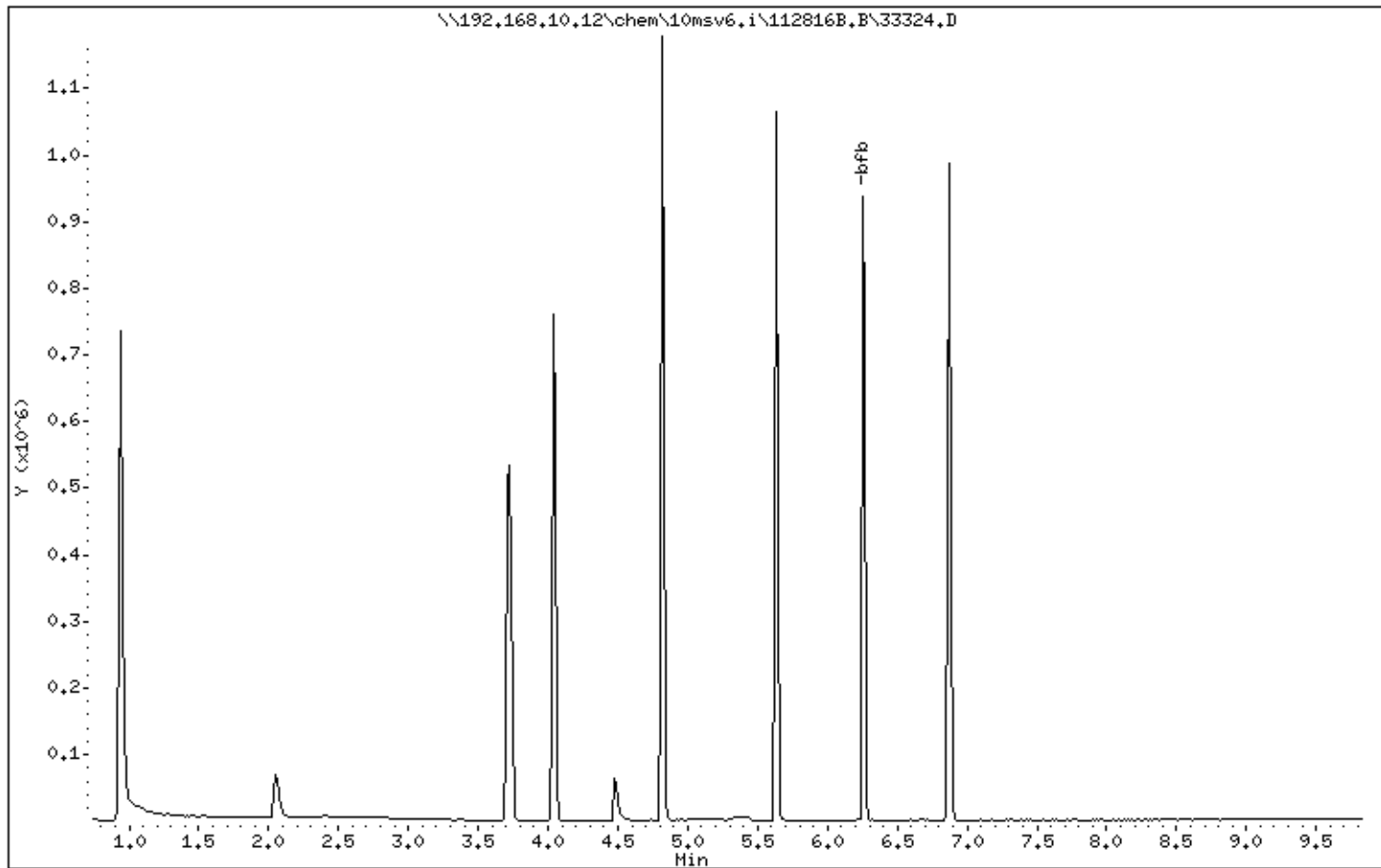
Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25



Date : 28-NOV-2016 20:13

Client ID: BFB

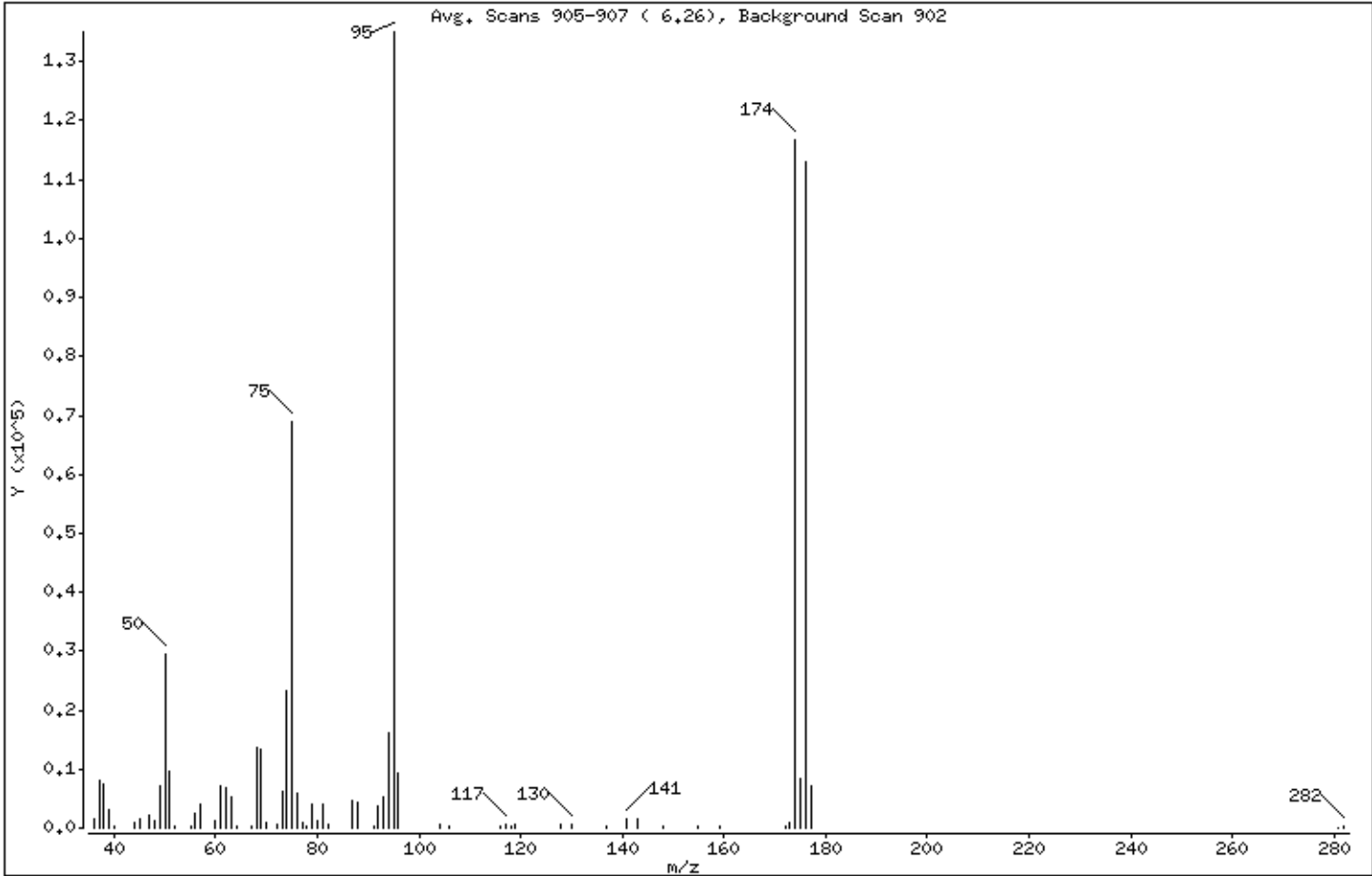
Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS
1 bfb

Column diameter: 0,25



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	21,77
75	30,00 - 60,00% of mass 95	51,02
96	5,00 - 9,00% of mass 95	6,92
173	Less than 2,00% of mass 174	0,69 (0,80)
174	50,00 - 120,00% of mass 95	86,46
175	5,00 - 9,00% of mass 174	6,25 (7,23)
176	95,00 - 101,00% of mass 174	83,74 (96,85)
177	5,00 - 9,00% of mass 176	5,39 (6,44)

Date : 28-NOV-2016 20:13

Client ID: BFB

Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25

Data File: 33324.D

Spectrum: Avg. Scans 905-907 (6,26), Background Scan 902

Location of Maximum: 95,00

Number of points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36,00	1579	61,00	7028	81,00	4135	130,00	498
37,00	8129	62,00	6685	82,00	744	137,00	186
38,00	7474	63,00	5225	87,00	4697	141,00	1571
39,00	3057	64,00	214	88,00	4466	143,00	1489
40,00	334	67,00	171	91,00	204	148,00	393
44,00	809	68,00	13539	92,00	3878	155,00	243
45,00	1542	69,00	13468	93,00	5404	159,00	171
47,00	2195	70,00	945	94,00	16290	172,00	365
48,00	1122	72,00	685	95,00	135040	173,00	933
49,00	7021	73,00	6244	96,00	9351	174,00	116760
50,00	29400	74,00	23144	104,00	467	175,00	8446
51,00	9506	75,00	68896	106,00	421	176,00	113080
52,00	278	76,00	5975	116,00	218	177,00	7283
55,00	205	77,00	944	117,00	731	281,00	103
56,00	2330	78,00	336	118,00	446	282,00	200
57,00	4142	79,00	4157	119,00	474		
60,00	1207	80,00	1138	128,00	478		

Date : 29-NOV-2016 00:38

Client ID: BFB

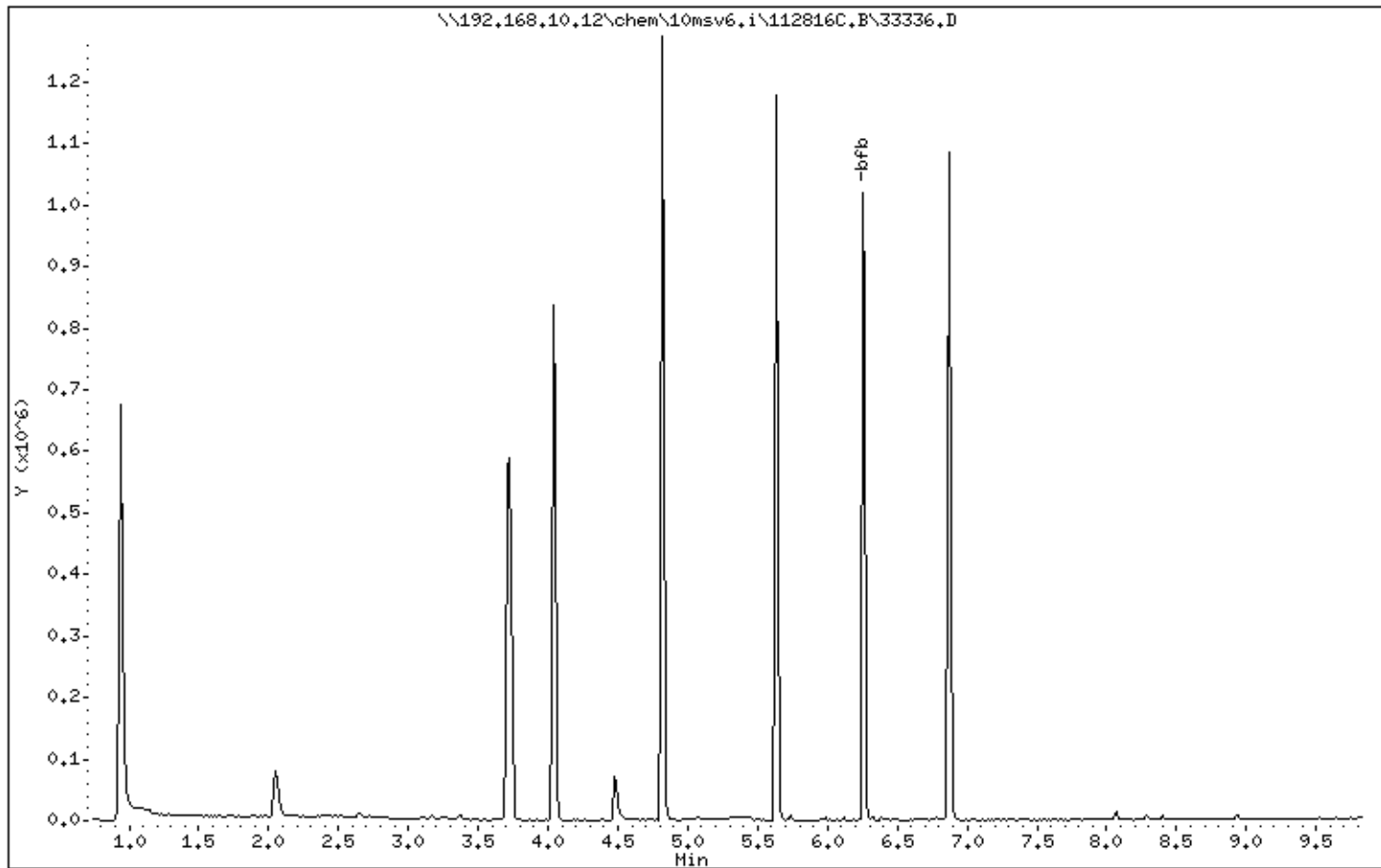
Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25



Date : 29-NOV-2016 00:38

Client ID: BFB

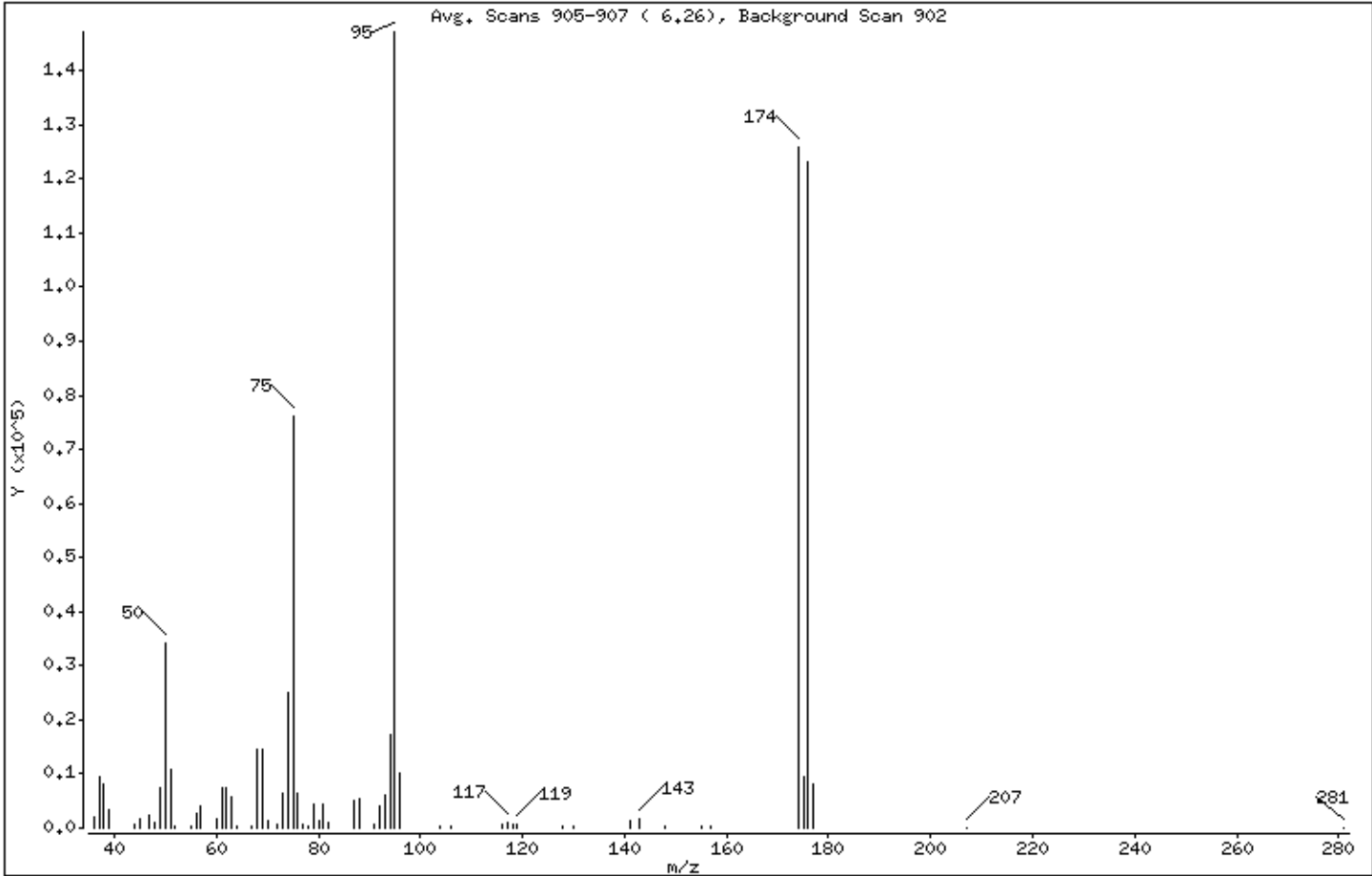
Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS
1 bfb

Column diameter: 0,25



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	23,28
75	30,00 - 60,00% of mass 95	51,75
96	5,00 - 9,00% of mass 95	6,83
173	Less than 2,00% of mass 174	0,00 (0,00)
174	50,00 - 120,00% of mass 95	85,44
175	5,00 - 9,00% of mass 174	6,55 (7,66)
176	95,00 - 101,00% of mass 174	83,72 (97,99)
177	5,00 - 9,00% of mass 176	5,48 (6,55)

Date : 29-NOV-2016 00:38

Client ID: BFB

Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0.25

Data File: 33336.D

Spectrum: Avg. Scans 905-907 (6.26), Background Scan 902

Location of Maximum: 95.00

Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1885	61.00	7318	80.00	1195	119.00	789
37.00	9542	62.00	7276	81.00	4548	128.00	454
38.00	7983	63.00	5818	82.00	903	130.00	221
39.00	3272	64.00	471	87.00	5103	141.00	1488
44.00	721	67.00	204	88.00	5399	143.00	1578
45.00	1648	68.00	14402	91.00	512	148.00	357
47.00	2236	69.00	14551	92.00	3933	155.00	173
48.00	1024	70.00	1288	93.00	5930	157.00	175
49.00	7433	72.00	677	94.00	17336	174.00	125768
50.00	34272	73.00	6574	95.00	147200	175.00	9635
51.00	10781	74.00	25016	96.00	10059	176.00	123240
52.00	213	75.00	76176	104.00	462	177.00	8072
55.00	249	76.00	6426	106.00	458	207.00	28
56.00	2673	77.00	612	116.00	620	281.00	123
57.00	4200	78.00	308	117.00	917		
60.00	1595	79.00	4402	118.00	598		

Date : 13-DEC-2016 09:23

Client ID: BFB

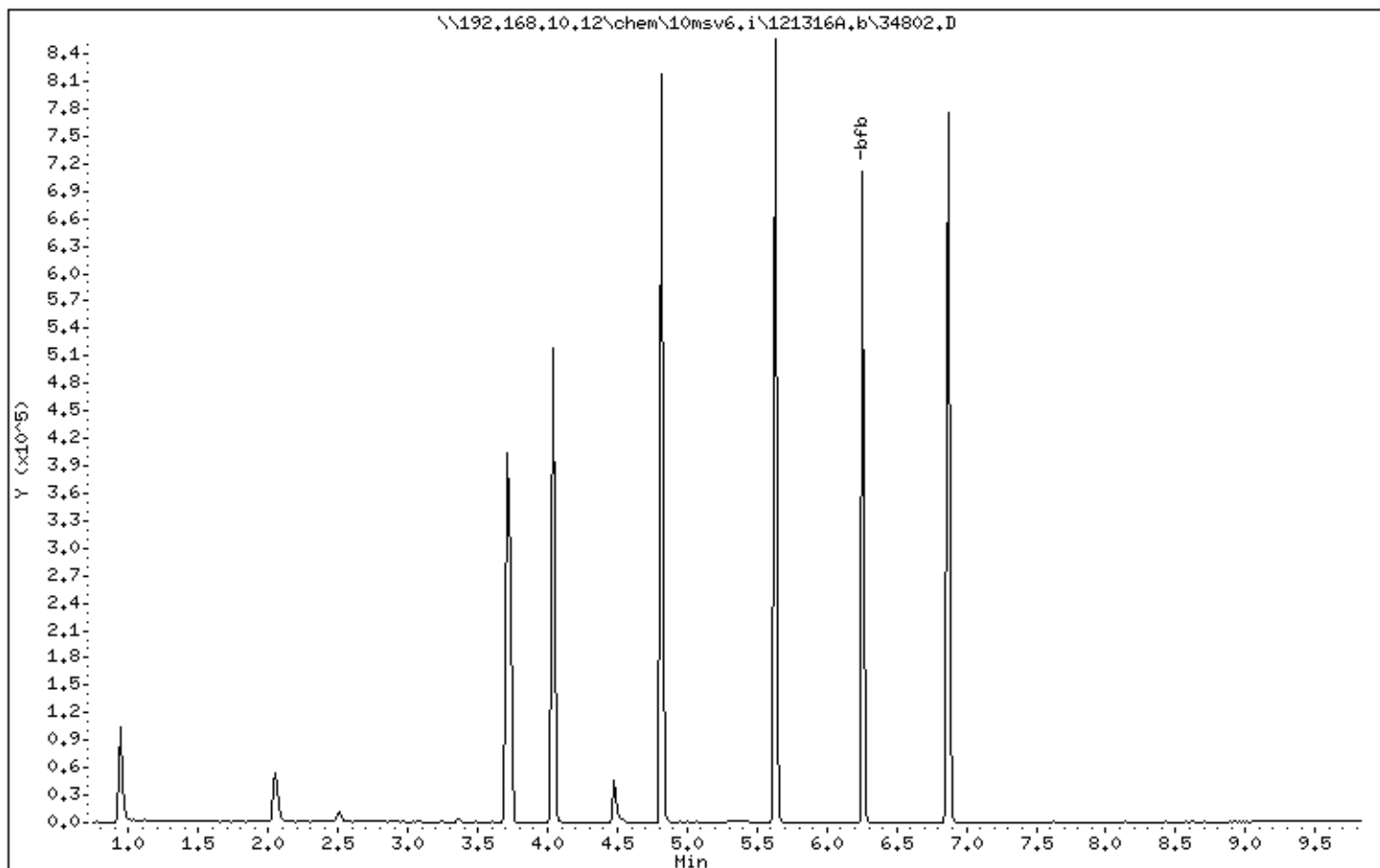
Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25



Date : 13-DEC-2016 09:23

Client ID: BFB

Instrument: 10msv6.i

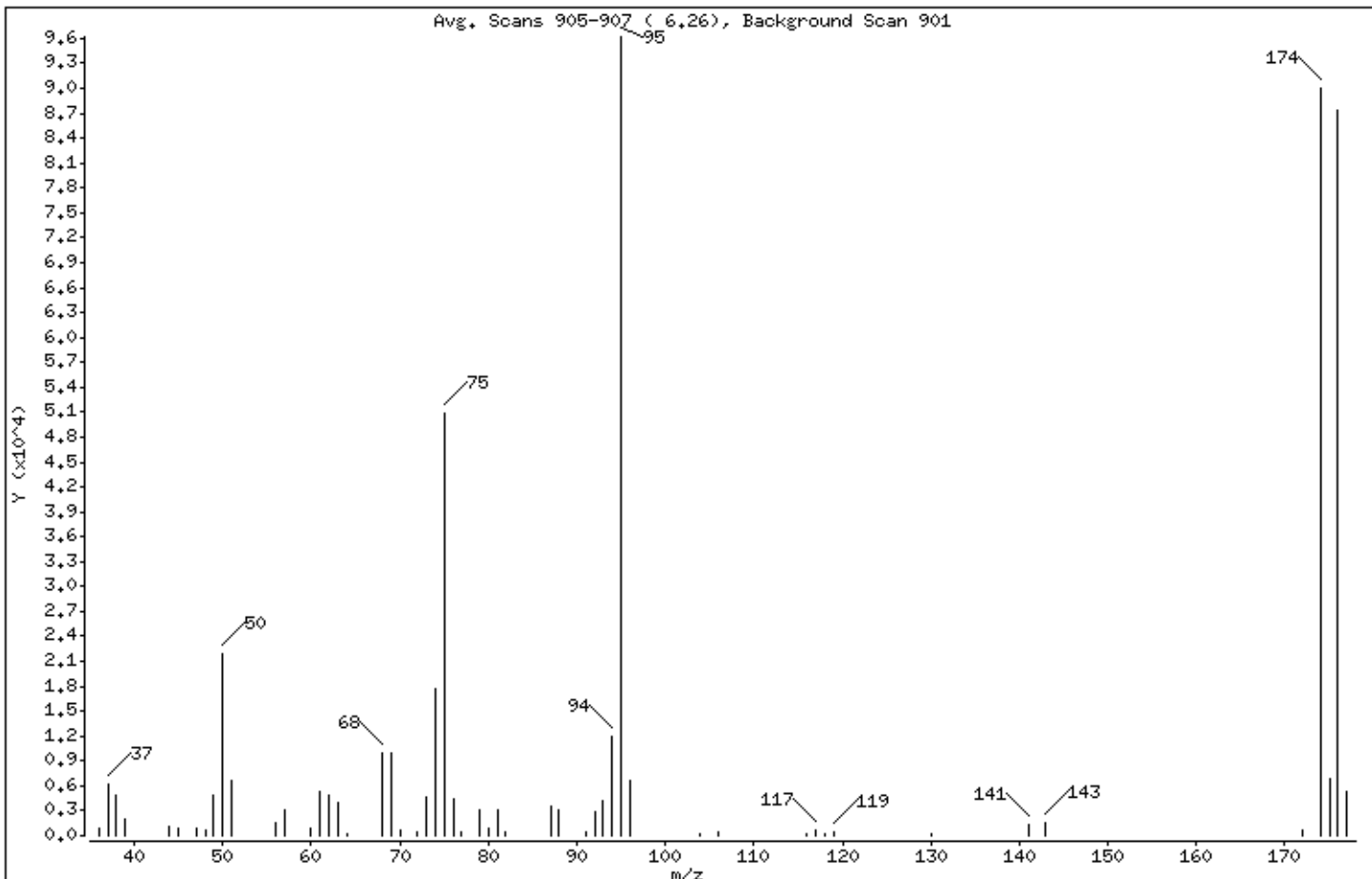
Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	22,69
75	30,00 - 60,00% of mass 95	52,88
96	5,00 - 9,00% of mass 95	6,83
173	Less than 2,00% of mass 174	0,00 (0,00)
174	50,00 - 120,00% of mass 95	93,56
175	5,00 - 9,00% of mass 174	7,03 (7,51)
176	95,00 - 101,00% of mass 174	90,91 (97,16)
177	5,00 - 9,00% of mass 176	5,44 (5,98)

Date : 13-DEC-2016 09:23

Client ID: BFB

Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0.25

Data File: 34802.D
 Spectrum: Avg. Scans 905-907 (6.26), Background Scan 901
 Location of Maximum: 95.00
 Number of points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	869	61.00	5378	80.00	841	117.00	616
37.00	6099	62.00	4934	81.00	3108	118.00	207
38.00	4868	63.00	3907	82.00	522	119.00	468
39.00	2038	64.00	182	87.00	3520	130.00	202
44.00	1027	68.00	10012	88.00	3182	141.00	1344
45.00	923	69.00	9960	91.00	392	143.00	1451
47.00	973	70.00	647	92.00	2840	172.00	573
48.00	564	72.00	515	93.00	4257	174.00	90000
49.00	4830	73.00	4609	94.00	11905	175.00	6762
50.00	21824	74.00	17736	95.00	96192	176.00	87448
51.00	6537	75.00	50864	96.00	6570	177.00	5231
56.00	1547	76.00	4455	104.00	250		
57.00	3037	77.00	401	106.00	470		
60.00	958	79.00	3142	116.00	253		

Date : 16-DEC-2016 13:56

Client ID: BFB

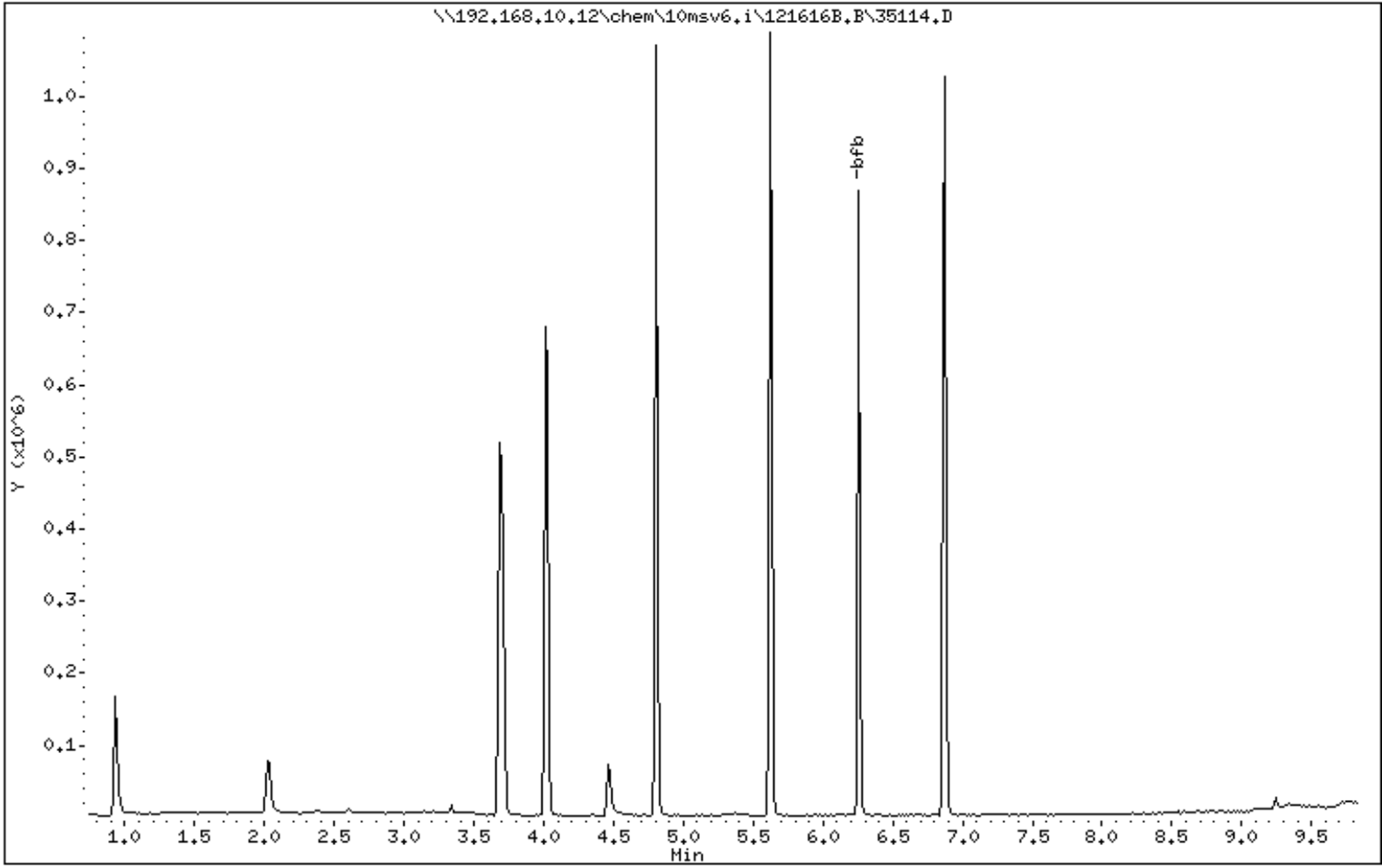
Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0,25



Date : 16-DEC-2016 13:56

Client ID: BFB

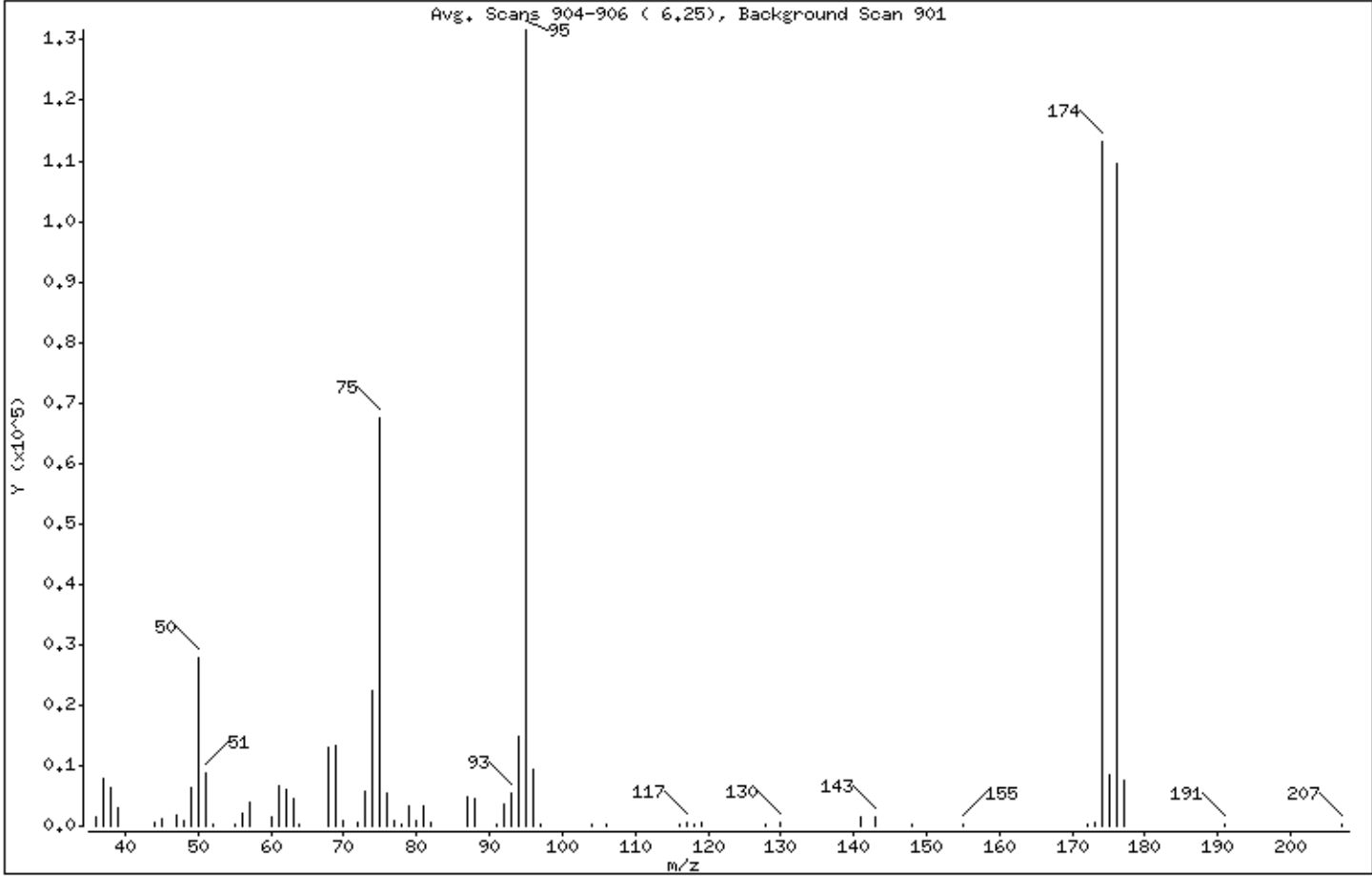
Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS
1 bfb

Column diameter: 0,25



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	21,06
75	30,00 - 60,00% of mass 95	51,31
96	5,00 - 9,00% of mass 95	7,10
173	Less than 2,00% of mass 174	0,44 (0,51)
174	50,00 - 120,00% of mass 95	86,03
175	5,00 - 9,00% of mass 174	6,48 (7,54)
176	95,00 - 101,00% of mass 174	83,16 (96,67)
177	5,00 - 9,00% of mass 176	5,74 (6,90)

Date : 16-DEC-2016 13:56

Client ID: BFB

Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0.25

Data File: 35114.D
 Spectrum: Avg. Scans 904-906 (6.25), Background Scan 901
 Location of Maximum: 95.00
 Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1479	61.00	6686	81.00	3312	119.00	600
37.00	7905	62.00	6137	82.00	504	128.00	434
38.00	6372	63.00	4679	87.00	4768	130.00	487
39.00	2876	64.00	244	88.00	4401	141.00	1493
44.00	535	68.00	13162	91.00	439	143.00	1604
45.00	1348	69.00	13200	92.00	3643	148.00	362
47.00	1742	70.00	1020	93.00	5538	155.00	174
48.00	978	72.00	602	94.00	14721	172.00	271
49.00	6293	73.00	5721	95.00	131648	173.00	574
50.00	27728	74.00	22416	96.00	9343	174.00	113256
51.00	8673	75.00	67544	97.00	172	175.00	8535
52.00	182	76.00	5432	104.00	418	176.00	109480
55.00	266	77.00	780	106.00	383	177.00	7557
56.00	2206	78.00	235	116.00	442	191.00	200
57.00	3931	79.00	3267	117.00	696	207.00	250
60.00	1372	80.00	810	118.00	205		

Date : 16-DEC-2016 19:06

Client ID: BFB

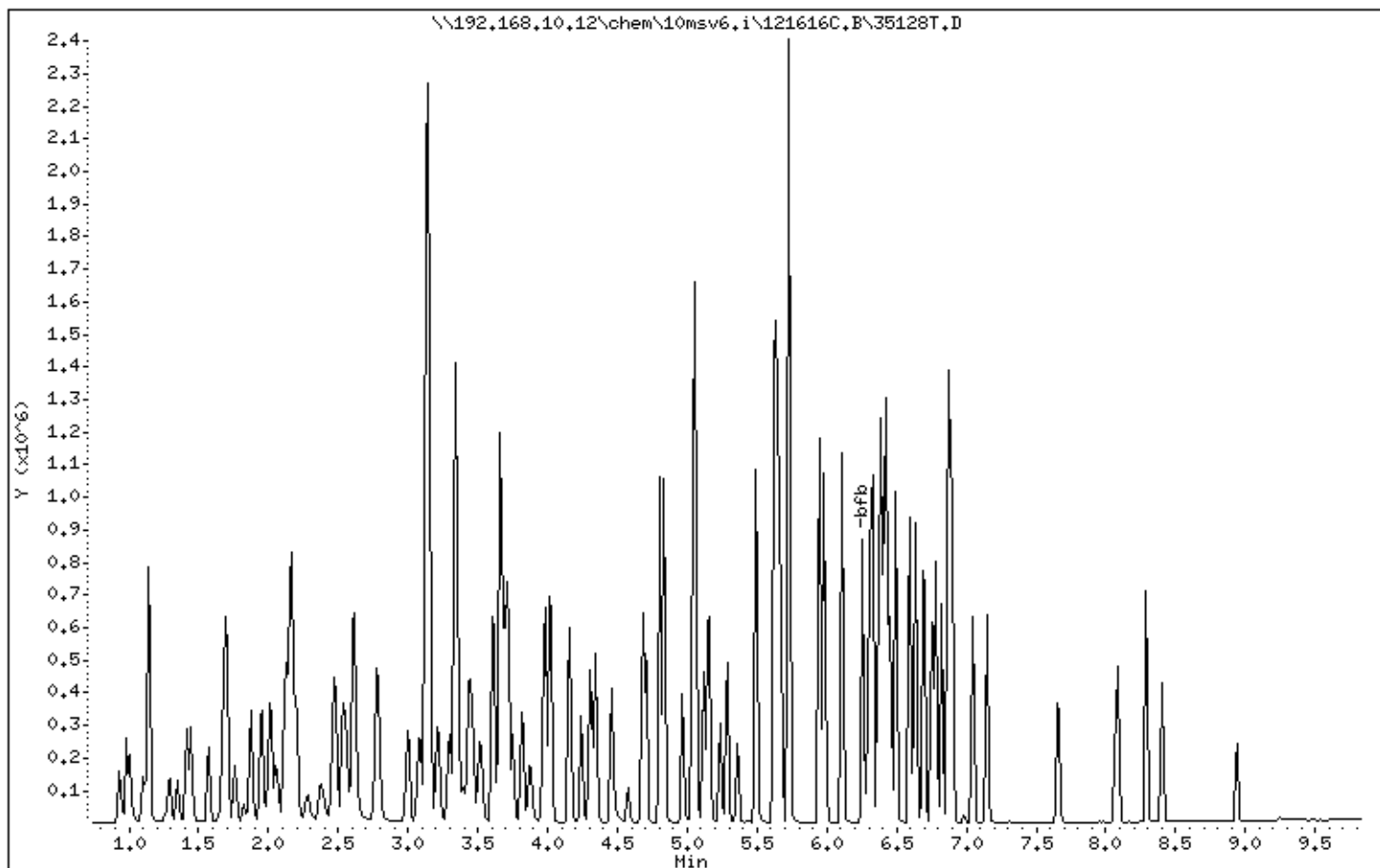
Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0.25



Date : 16-DEC-2016 19:06

Client ID: BFB

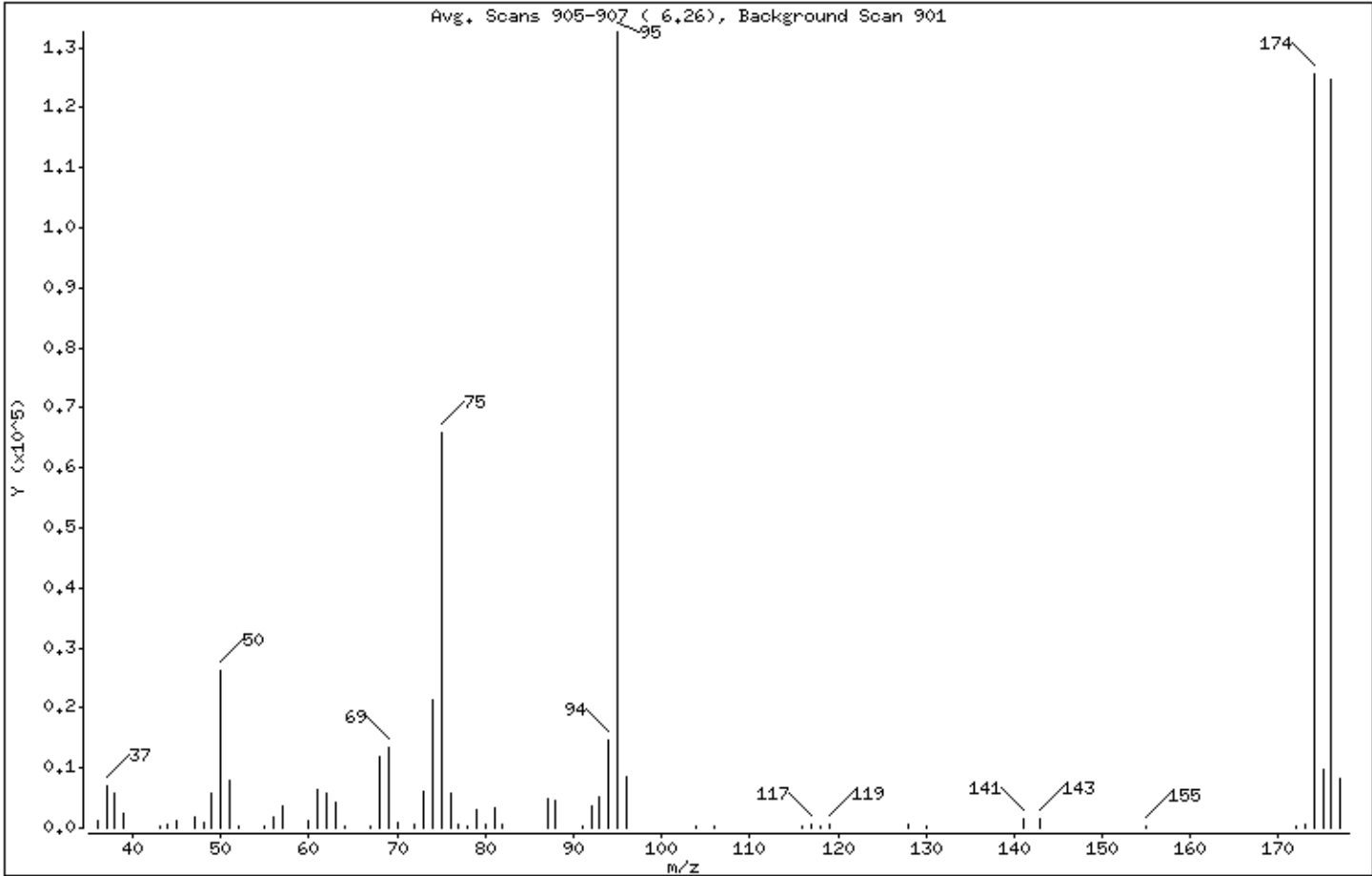
Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS
1 bfb

Column diameter: 0,25



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	19,81
75	30,00 - 60,00% of mass 95	49,63
96	5,00 - 9,00% of mass 95	6,44
173	Less than 2,00% of mass 174	0,39 (0,41)
174	50,00 - 120,00% of mass 95	94,66
175	5,00 - 9,00% of mass 174	7,29 (7,71)
176	95,00 - 101,00% of mass 174	93,96 (99,25)
177	5,00 - 9,00% of mass 176	6,30 (6,70)

Date : 16-DEC-2016 19:06

Client ID: BFB

Instrument: 10msv6.i

Sample Info: TUNE,103681:1

Operator: DJB

Column phase: Restek Rtx-VMS

Column diameter: 0.25

Data File: 35128T.D
 Spectrum: Avg. Scans 905-907 (6.26), Background Scan 901
 Location of Maximum: 95.00
 Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1337	60.00	1192	79.00	3130	118.00	405
37.00	6880	61.00	6451	80.00	748	119.00	512
38.00	5727	62.00	5871	81.00	3209	128.00	484
39.00	2478	63.00	4350	82.00	531	130.00	411
43.00	175	64.00	441	87.00	4848	141.00	1538
44.00	712	67.00	225	88.00	4621	143.00	1462
45.00	1366	68.00	12016	91.00	273	155.00	168
47.00	1781	69.00	13393	92.00	3596	172.00	237
48.00	786	70.00	849	93.00	5115	173.00	520
49.00	5728	72.00	585	94.00	14735	174.00	125528
50.00	26272	73.00	6028	95.00	132608	175.00	9672
51.00	7951	74.00	21456	96.00	8535	176.00	124592
52.00	239	75.00	65816	104.00	385	177.00	8351
55.00	243	76.00	5772	106.00	192		
56.00	1755	77.00	691	116.00	364		
57.00	3800	78.00	217	117.00	734		

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: _____ Matrix: Water SDG No.: 10372857
Date Extracted: 12/13/2016 12:20 Lab Sample ID: 2472071
Date Analyzed: 12/13/2016 12:20 Lab File ID: 121316A.B\34810.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
 Date Received: _____ Matrix: Water SDG No.: 10372857
 Date Extracted: 12/13/2016 10:07 Lab Sample ID: 2472072
 Date Analyzed: 12/13/2016 10:07 Lab File ID: 121316A.B\34804L.D
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	20.4	
75-35-4	1,1-Dichloroethene	21.0	
127-18-4	Tetrachloroethene	21.0	
71-55-6	1,1,1-Trichloroethane	22.0	
79-01-6	Trichloroethene	20.7	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD

Lab Name: Pace Analytical - Minnesota
Date Received: _____
Date Extracted: 12/13/2016 10:29
Date Analyzed: 12/13/2016 10:29
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 40143295 Gannett Fleming Inc
Matrix: Water SDG No.: 10372857
Lab Sample ID: 2472073
Lab File ID: 121316A.B\34805.D
Instrument: 10MSV6 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	20.0	
75-35-4	1,1-Dichloroethene	20.5	
127-18-4	Tetrachloroethene	20.1	
71-55-6	1,1,1-Trichloroethane	21.5	
79-01-6	Trichloroethene	20.2	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Minnesota
Date Received: _____
Date Extracted: 12/16/2016 22:03
Date Analyzed: 12/16/2016 22:03
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 40143295 Gannett Fleming Inc
Matrix: Water SDG No.: 10372857
Lab Sample ID: 2475523
Lab File ID: 121616C.B\35136B38287.D
Instrument: 10MSV6 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.088	U
75-35-4	1,1-Dichloroethene	<0.089	U
127-18-4	Tetrachloroethene	<0.12	U
71-55-6	1,1,1-Trichloroethane	<0.10	U
79-01-6	Trichloroethene	<0.044	U

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Minnesota Contract: 40143295 Gannett Fleming Inc
Date Received: _____ Matrix: Water SDG No.: 10372857
Date Extracted: 12/16/2016 19:28 Lab Sample ID: 2475524
Date Analyzed: 12/16/2016 19:28 Lab File ID: 121616C.B\35129L38287.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 10MSV6 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	48.9	
75-35-4	1,1-Dichloroethene	49.5	
127-18-4	Tetrachloroethene	51.4	
71-55-6	1,1,1-Trichloroethane	49.1	
79-01-6	Trichloroethene	50.3	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD

Lab Name: Pace Analytical - Minnesota
Date Received: _____
Date Extracted: 12/16/2016 19:50
Date Analyzed: 12/16/2016 19:50
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 40143295 Gannett Fleming Inc
Matrix: Water SDG No.: 10372857
Lab Sample ID: 2475525
Lab File ID: 121616C.B\35130LD38287.D
Instrument: 10MSV6 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	48.7	
75-35-4	1,1-Dichloroethene	49.1	
127-18-4	Tetrachloroethene	51.2	
71-55-6	1,1,1-Trichloroethane	48.0	
79-01-6	Trichloroethene	50.5	

Instrument Run Log

 Instrument: 10MSV6
 Column: Rtx-VMS 0.18mm

 Method: 8260B, 624, 524.2
 Tune Standard: 103681 BFB

 Misc. Prep. Info:
 ISTD Lot: 103681:5exp02.15.17

 Surrogate Lot: 103681:5exp02.15.17
 Cal. Standard: 103343, 104471

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date & Time	Oper.	Comments
33324.D	TUNE,103681:1	L/38016	Tune	1	> 2	VOA-624BFB-TUNE	11/28/16 20:13	DJB	passing tune
33325.D	CAL1	L/38016	Ical	1	> 2	V616-38016	11/28/16 20:35	DJB	passing ical
33326.D	CAL2	L/38016	Ical	1	> 2	V616-38016	11/28/16 20:57	DJB	passing ical
33327.D	CAL3	L/38016	Ical	1	> 2	V616-38016	11/28/16 21:19	DJB	passing ical
33328.D	CAL4	L/38016	Ical	1	> 2	V616-38016	11/28/16 21:41	DJB	passing ical
33329.D	CAL5	L/38016	Ical	1	> 2	V616-38016	11/28/16 22:04	DJB	passing ical
33330.D	CAL6	L/38016	Ical	1	> 2	V616-38016	11/28/16 22:26	DJB	passing ical
33331.D	CAL7	L/38016	Ical	1	> 2	V616-38016	11/28/16 22:48	DJB	passing ical
33332.D	CAL8	L/38016	Ical	1	> 2	V616-38016	11/28/16 23:10	DJB	passing ical
33333.D	CAL9	L/38016	Ical	1	> 2	V616-38016	11/28/16 23:32	DJB	passing ical
33334.D	PBLK	L/	Sample	1	> 2	V616-38016	11/28/16 23:54	DJB	dne
33335.D	PBLK	L/	Sample	1	> 2	V616-38016	11/29/16 00:16	DJB	'

Check Maintenance Items Performed:

Changed septum	x Clipped column	Changed column - Lot #
Cleaned liner	x Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments: v616-38016.m

 File Path 1: U:\10MSV6.1\112816B.B\
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified: DJB 11/29/16

 Report Date: 11/29/2016 08:14
 Reviewed By/Date:

Instrument Run Log

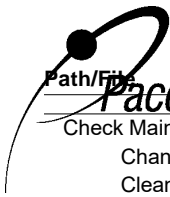
 Instrument: 10MSV6
 Column: Rtx-VMS 0.18mm

 Method: 8260B, 624, 524.2
 Tune Standard: 103681 BFB

 Misc. Prep. Info:
 ISTD Lot: 103681:5exp02.15.17

 Surrogate Lot: 103681:5exp02.15.17
 Cal. Standard: 103344, 104472

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date & Time	Oper.	Comments
33336.D	TUNE,103681:1	L/	Tune	1	> 2	VOA-624BFB-TUNE	11/29/16 00:38	DJB	passing tune
33337.D	ICV	L/38016	CCal	1	> 2	V616-38016	11/29/16 01:00	DJB	ok, icv
33338L38001.D2458004		L/38016	LCS	1	> 2	V616-38016	11/29/16 01:22	DJB	ok, lcs
33338L37996.D2457939		L/37996	LCS	1	> 2	V616-38016	11/29/16 01:22	DJB	ok, lcs
33338L37995.D2457934		L/37995	LCS	1	> 2	V616-38016	11/29/16 01:22	DJB	ok, lcs
33338.D	CCV	L/38016	CCal	1	> 2	V616-38016	11/29/16 01:22	DJB	ok, ccv v50
33338L37997.D2457942		L/37997	LCS	1	> 2	V616-38016	11/29/16 01:22	DJB	ok, lcs
33339LD38001.D2458005		L/38001	LCSD	1	> 2	V616-38016	11/29/16 01:45	DJB	ok, lcsd
33339LD37996.D2457940		L/37996	LCSD	1	> 2	V616-38016	11/29/16 01:45	DJB	ok, lcsd
33339LD37995.D2457934		L/37995	LCSD	1	> 2	V616-38016	11/29/16 01:45	DJB	ok, lcsd
33339LD37997.D2457943		L/37997	LCSD	1	> 2	V616-38016	11/29/16 01:45	DJB	ok, lcsd
33340.D	2460022	L/37995	MS	1	<= 2	V616-38016	11/29/16 02:07	DJB	ok, ms
33341.D	PBLK	L/	Sample	1	> 2	V616-38016	11/29/16 02:29	DJB	dne
33342.D	PBLK	L/	Sample	1	> 2	V616-38016	11/29/16 02:51	DJB	'
33343.D	PBLK	L/	Sample	1	> 2	V616-38016	11/29/16 03:13	DJB	'
33344B37997.D2457941		L/37997	Blank	1	> 2	V616-38016	11/29/16 03:35	DJB	ok, blank
33344B38001.D2458003		L/37995	Blank	1	> 2	V616-38016	11/29/16 03:35	DJB	ok, blank
33344B37996.D2457938		L/37996	Blank	1	> 2	V616-38016	11/29/16 03:35	DJB	ok, blank
33344B37995.D2457933		L/37995	Blank	1	> 2	V616-38016	11/29/16 03:35	DJB	ok, blank
33345.D	1279177009	L/37996	Sample	1	<= 2	V616-38016	11/29/16 03:57	DJB	ok, tb
33346.D	10370079003	L/38001	Sample	1	<= 2	V616-38016	11/29/16 04:19	DJB	ok, tb
33347.D	40142185015	L/37995	Sample	1	<= 2	V616-38016	11/29/16 04:41	DJB	ok, msp
33348.D	40142185014	L/37995	Sample	1	<= 2	V616-38016	11/29/16 05:04	DJB	ok, dup p
33349.D	2457937	L/37995	Duplicate	1	<= 2	V616-38016	11/29/16 05:26	DJB	ok, dup
33350.D	40142185013	L/37995	Sample	1	<= 2	V616-38016	11/29/16 05:48	DJB	ok
33351.D	10370094001	L/37995	Sample	1	<= 2	V616-38016	11/29/16 06:10	DJB	ok
33352.D	10370094003	L/37995	Sample	1	<= 2	V616-38016	11/29/16 06:32	DJB	ok
33353.D	10370284001	L/37995	Sample	1	<= 2	V616-38016	11/29/16 06:54	DJB	ok
33354.D	40142085002	L/37995	Sample	1	<= 2	V616-38016	11/29/16 07:16	DJB	ok
33355.D	10370526005	L/37995	Sample	1	<= 2	V616-38016	11/29/16 07:39	DJB	ok
33356.D	10370526006	L/37995	Sample	1	<= 2	V616-38016	11/29/16 08:01	DJB	ok
33357.D	1279252001	L/37995	Sample	1	<= 2	V616-38016	11/29/16 08:23	DJB	ok
33358.D	1279252002	L/37995	Sample	1	<= 2	V616-38016	11/29/16 08:45	DJB	ok
33359.D	10370079001	L/38001	Sample	1	<= 2	V616-38016	11/29/16 09:07	DJB	ok
33360.D	10370310001	L/37997	Sample	1	<= 2	V616-38016	11/29/16 09:29	DJB	ok
33361.D	1279177007	L/37996	Sample	1	<= 2	V616-38016	11/29/16 09:51	DJB	ok
33362.D	1279177008	L/37996	Sample	1	<= 2	V616-38016	11/29/16 10:14	DJB	ok
33363.D	10370037004	L/37963	Sample	5	<= 2	V616-38016	11/29/16 10:36	DJB	ok, dl
33364.D	10370875004	L/37976	Sample	5	<= 2	V616-38016	11/29/16 10:58	DJB	ok, dl
33365.D	10370140001	L/37996	Sample	5	<= 2	V616-38016	11/29/16 11:20	DJB	ok



Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date & Time	Oper.	Comments
Check Maintenance Items Performed:									
Changed septum		Clipped column		Changed column - Lot #					
Cleaned liner		Changed trap - Lot #		Other minor parts replaced					
Replaced/Cleaned gold seal		Cleaned MS Source		x No maintenance performed today					
Additional Comments: 37995.448910 Checked for residual chlorine (none-detected)									
37996.448911									
37997.448912									
38001.448930									

File Path 1: U:\10MSV6.I\112816C.B\

Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified: ATR 11/29/16

Report Date: 11/29/2016 13:49

Reviewed By/Date:



Instrument Run Log

Instrument: 10MSV6
 Column: Rtx-VMS 0.18mm

Method: 524.2
 Tune Standard: 103681 BFB

Misc. Prep. Info:
 ISTD Lot: 103681:5exp02.15.17

Surrogate Lot: 103681:5exp02.15.17
 Cal. Standard: 105857, 105625

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date & Time	Oper.	Comments
34801.D	PBLK	L/	Sample	1	> 2	V616-38016	12/13/16 08:58	DJB	dne
34802.D	TUNE,103681:1	L/	Tune	1	> 2	VOA-624BFB-TUNE	12/13/16 09:23	DJB	passing tune
34803.D	CCV	L/38016	CCal	1	> 2	V616-38016	12/13/16 09:45	DJB	ok, ccv v10
34804.L.D	2472072	L/38229	LCS	1	> 2	V616-38016	12/13/16 10:07	DJB	ok, lcs
34804.D	CCV	L/38016	CAL	1	> 2	V616-38016	12/13/16 10:07	DJB	ok, ccv v20
34805.D	2472073	L/38229	LCSD	1	> 2	V616-38016	12/13/16 10:29	DJB	ok, lcsd
34806.D	2472074	L/38229	MS	1	<= 2	V616-38016	12/13/16 10:51	DJB	ok, ms
34807.D	PBLK	L/	Sample	1	> 2	V616-38016	12/13/16 11:13	DJB	dne
34808.D	PBLK	L/	Sample	1	> 2	V616-38016	12/13/16 11:35	DJB	.
34809.D	PBLK	L/	Sample	1	> 2	V616-38016	12/13/16 11:58	DJB	.
34810.D	2472071	L/38229	Blank	1	> 2	V616-38016	12/13/16 12:20	DJB	ok, blank
34811.D	10372774008	L/38229	Sample	1	<= 2	V616-38016	12/13/16 12:42	DJB	ok, tb
34812.D	10372595001	L/38221	Sample	10	<= 2	V616-38016	12/13/16 13:04	DJB	dnr, dl
34813.D	PBLK	L/	Sample	1	> 2	V616-38016	12/13/16 13:26	DJB	dne
34814.D	40143141009	L/38229	Sample	1	<= 2	V616-38016	12/13/16 13:48	DJB	ok, msp
34815.D	40143141011	L/38229	Sample	1	<= 2	V616-38016	12/13/16 14:10	DJB	ok, dup p
34816.D	2472075	L/38229	Duplicate	1	<= 2	V616-38016	12/13/16 14:32	DJB	ok, dup
34817.D	40143141013	L/38229	Sample	1	<= 2	V616-38016	12/13/16 14:54	DJB	ok
34818.D	40143141015	L/38229	Sample	1	<= 2	V616-38016	12/13/16 15:16	DJB	ok
34819.D	10372774001	L/38229	Sample	1	<= 2	V616-38016	12/13/16 15:38	DJB	ok
34820.D	10372774002	L/38229	Sample	1	<= 2	V616-38016	12/13/16 16:00	DJB	ok
34821.D	10372774003	L/38229	Sample	1	<= 2	V616-38016	12/13/16 16:22	DJB	ok
34822.D	10372774004	L/38229	Sample	1	<= 2	V616-38016	12/13/16 16:44	DJB	ok
34823.D	10372774005	L/38229	Sample	1	<= 2	V616-38016	12/13/16 17:06	DJB	ok
34824.D	10372774006	L/38229	Sample	1	<= 2	V616-38016	12/13/16 17:28	DJB	ok
34825.D	10372774007	L/38229	Sample	1	<= 2	V616-38016	12/13/16 17:50	DJB	ok
34826.D	40143295001	L/38229	Sample	1	<= 2	V616-38016	12/13/16 18:12	DJB	ok
34827.D	40143295002	L/38229	Sample	1	<= 2	V616-38016	12/13/16 18:34	DJB	ok
34828.D	40143295003	L/38229	Sample	1	<= 2	V616-38016	12/13/16 18:57	DJB	ok
34829.D	40143295004	L/38229	Sample	1	<= 2	V616-38016	12/13/16 19:19	DJB	ok
34830.D	40143295005	L/38229	Sample	1	<= 2	V616-38016	12/13/16 19:41	DJB	ok
34831.D	40143295006	L/38229	Sample	1	<= 2	V616-38016	12/13/16 20:03	DJB	ok
34832.D	40143295007	L/38229	Sample	1	<= 2	V616-38016	12/13/16 20:25	DJB	ok
34833.D	40143295008	L/38229	Sample	1	<= 2	V616-38016	12/13/16 20:47	DJB	ok
34834.D	PBLK	L/	Sample	1	> 2	V616-38016	12/13/16 21:09	DJB	dne

Check Maintenance Items Performed:

- Changed septum
- Cleaned liner
- Replaced/Cleaned gold seal
- Additional Comments: 38229.451487 Checked for residual chlorine (none-detected)
- Clipped column
- Changed trap - Lot #
- Cleaned MS Source
- Changed column - Lot #
- Other minor parts replaced
- No maintenance performed today

File Path 1: U:\10MSV6\121316A.B1
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified: DJB 12/14/16

Report Date: 12/14/2016 14:27
 Reviewed By/Date:



Instrument Run Log

Instrument: 10MSV6
 Column: Rtx-VMS 0.18mm

Method: 8260B, 624, 524.2
 Tune Standard: 103681 BFB

Misc. Prep. Info:
 ISTD Lot: 103681:5exp02.15.17

Surrogate Lot: 103681:5exp02.15.17
 Cal. Standard: 105857, 106208

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date & Time	Oper.	Comments
35114.D	TUNE,103681:1	L/38294	Tune	1	> 2	VOA-624BFB-TUNE	12/16/16 13:56	DJB	passing tune
35115.D	CAL1	L/38294	ical	1	> 2	V616-38294	12/16/16 14:18	DJB	passing ical
35116.D	CAL2	L/38294	ical	1	> 2	V616-38294	12/16/16 14:40	DJB	passing ical
35117.D	CAL3	L/38294	ical	1	> 2	V616-38294	12/16/16 15:03	DJB	passing ical
35118.D	CAL4	L/38294	ical	1	> 2	V616-38294	12/16/16 15:25	DJB	passing ical
35119.D	CAL5	L/38294	ical	1	> 2	V616-38294	12/16/16 15:47	DJB	passing ical
35120.D	CAL6	L/38294	ical	1	> 2	V616-38294	12/16/16 16:09	DJB	passing ical
35121.D	CAL7	L/38294	ical	1	> 2	V616-38294	12/16/16 16:31	DJB	passing ical
35122.D	CAL8	L/38294	ical	1	> 2	V616-38294	12/16/16 16:53	DJB	passing ical
35123.D	CAL9	L/38294	ical	1	> 2	V616-38294	12/16/16 17:15	DJB	passing ical
35124.D	PBLK	L/	Sample	1	> 2	V616-38294	12/16/16 17:37	DJB	dne
35125.D	PBLK	L/	Sample	1	> 2	V616-38294	12/16/16 17:59	DJB	
35126.D	PBLK	L/	Sample	1	> 2	V616-38294	12/16/16 18:22	DJB	
35127.D	PBLK	L/	Sample	1	> 2	V616-38294	12/16/16 18:44	DJB	

Check Maintenance Items Performed:
 x Changed septum
 x Cleaned liner
 x Replaced/Cleaned gold seal
 Additional Comments: v616-38294.m

x Clipped column
 x Changed trap - Lot #
 x Cleaned MS Source
 x Changed column - Lot #
 x Other minor parts replaced
 No maintenance performed today

File Path 1: U:\10MSV6\1\121616B.B\1
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Run order verified: DJB 12/19/16
 Report Date: 12/19/2016 08:47
 Reviewed By/Date:

Instrument Run Log

Instrument: 10MSV6
 Column: Rtx-VMS 0.18mm

Method: 8260B, 624, 524.2
 Tune Standard: 103681 BFB

Misc. Prep. Info:
 ISTD Lot: 103681:5exp02.15.17

Surrogate Lot: 103681:5exp02.15.17
 Cal. Standard: 105858, 106209

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date & Time	Oper.	Comments
35128.T.D	TUNE,103681:1	L/	Tune	1	> 2	VOA-624BFB-TUNE	12/16/16 19:06	DJB	passing tune
35128.D	ICV	L/38294	C-Cal	1	> 2	V616-38294	12/16/16 19:06	DJB	ok, ICV
35129L.38287.D	2475524	L/38287	LCS	1	> 2	V616-38294	12/16/16 19:28	DJB	ok, lcs
35129.D	CCV	L/38294	C-Cal	1	> 2	V616-38294	12/16/16 19:28	DJB	ok, ccv v50
35129L.38288.D	2475529	L/38288	LCS	1	> 2	V616-38294	12/16/16 19:28	DJB	ok, lcs
35130LD38288.D	2475530	L/38288	LCS-D	1	> 2	V616-38294	12/16/16 19:50	DJB	ok, lcsd
35130LD38287.D	2475525	L/38287	LCS-D	1	> 2	V616-38294	12/16/16 19:50	DJB	ok, lcsd
35131.D	2475526	L/38287	MS	1	<=2	V616-38294	12/16/16 20:12	DJB	ok, ms
35132.D	2475527	L/38287	MSD	1	<=2	V616-38294	12/16/16 20:35	DJB	ok, msd
35133.D	PBLK	L/	Sample	1	> 2	V616-38294	12/16/16 20:57	DJB	dne
35134.D	PBLK	L/	Sample	1	> 2	V616-38294	12/16/16 21:19	DJB	.
35135.D	PBLK	L/	Sample	1	> 2	V616-38294	12/16/16 21:41	DJB	.
35136B38287.D	2475523	L/38287	Blank	1	> 2	V616-38294	12/16/16 22:03	DJB	ok, blank
35136B38288.D	2475528	L/38288	Blank	1	> 2	V616-38294	12/16/16 22:03	DJB	ok, blank
35137.D	10373149004	L/38287	Sample	1	<=2	V616-38294	12/16/16 22:25	DJB	ok, tb
35138.D	1280082003	L/38288	Sample	1	<=2	V616-38294	12/16/16 22:47	DJB	ok, tb
35139.D	10372690002	L/38288	Sample	1	7	V616-38294	12/16/16 23:09	DJB	ok, tb
35140.D	10373334002	L/38288	Sample	1	<=2	V616-38294	12/16/16 23:32	DJB	ok, tb
35141.D	60234089001	L/38287	Sample	1	<=2	V616-38294	12/16/16 23:54	DJB	ok, tb
35142.D	40143295009	L/38287	Sample	1	<=2	V616-38294	12/17/16 00:16	DJB	ok, oqs
35143.D	40143236001	L/38287	Sample	1	<=2	V616-38294	12/17/16 00:38	DJB	ok
35144.D	10373062002	L/38287	Sample	1	<=2	V616-38294	12/17/16 01:00	DJB	ok
35145.D	40143362001	L/38287	Sample	1	<=2	V616-38294	12/17/16 01:22	DJB	ok
35146.D	10373291001	L/38287	Sample	1	7	V616-38294	12/17/16 01:44	DJB	ok
35147.D	10373291002	L/38287	Sample	1	7	V616-38294	12/17/16 02:06	DJB	ok
35148.D	10373149001	L/38287	Sample	1	<=2	V616-38294	12/17/16 02:29	DJB	ok
35149.D	10373149002	L/38287	Sample	1	<=2	V616-38294	12/17/16 02:51	DJB	ok
35150.D	10373149003	L/38287	Sample	1	<=2	V616-38294	12/17/16 03:13	DJB	ok
35151.D	10372929001	L/38288	Sample	1	<=2	V616-38294	12/17/16 03:35	DJB	ok
35152.D	10372930001	L/38288	Sample	1	<=2	V616-38294	12/17/16 03:57	DJB	ok
35153.D	1280168001	L/38288	Sample	1	<=2	V616-38294	12/17/16 04:19	DJB	ok
35154.D	1280082001	L/38288	Sample	1	<=2	V616-38294	12/17/16 04:42	DJB	ok
35155.D	10373334001	L/38288	Sample	1	<=2	V616-38294	12/17/16 05:04	DJB	ok
35156.D	10372690001	L/38288	Sample	1	7	V616-38294	12/17/16 05:26	DJB	ok
35157.D	PBLK	L/	Sample	1	> 2	V616-38294	12/17/16 05:48	DJB	dne
35158.D	PBLK	L/	Sample	1	> 2	V616-38294	12/17/16 06:10	DJB	.
35159.D	PBLK	L/	Sample	1	> 2	V616-38294	12/17/16 06:32	DJB	.
35160.D	PBLK	L/	Sample	1	> 2	V616-38294	12/17/16 06:54	DJB	.
35161.D	PBLK	L/	Sample	1	> 2	V616-38294	12/17/16 07:16	DJB	.



Path/File **Lab ID** **Matrix/Batch** **Type** **DF** **pH** **Method** **Date & Time** **Oper.** **Comments**

Check Maintenance Items Performed:

Changed septum
 Cleaned liner
 Replaced/Cleaned gold seal
 Additional Comments: 38287.452191 Checked for residual chlorine (none-detected)
 38288.452192

Clipped column
 Changed trap - Lot #
 Cleaned MS Source

Changed column - Lot #
 Other minor parts replaced
 x No maintenance performed today

File Path 1: U:\10MSV6.I\121616C.B1

Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Report Date: 12/19/2016 15:55

Reviewed By/Date:

Run order verified: DJB 12/19/16



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 40143295

Table Of Contents



Project Overview

Final Report with COC/SCUR	1
SDG Narrative	26

Organic

GC-MS Semivolatiles

Surrogate Recovery Summary (Form 2)	27
Method Blank Association Summary (Form 4)	28
Instrument Performance Check (Form 5)	29
Initial Calibration (Form 6)	31
Continuing Calibration (Form 7)	33
Internal Standard Area & Retention Time Summary (Form 8)	35
Analytical Results with Raw Data (Form 1)	37
Raw Data QC	39

December 20, 2016

Dave Olig
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

Dear Dave Olig:

Enclosed are the analytical results for sample(s) received by the laboratory on December 09, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.
Clifford Wright, Gannett Fleming



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
Alaska Certification UST-107
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322

Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150

Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143295001	CW-11	Water	12/07/16 09:20	12/09/16 09:55
40143295002	CW-15	Water	12/07/16 09:25	12/09/16 09:55
40143295003	CW-16	Water	12/07/16 09:10	12/09/16 09:55
40143295004	CW-17	Water	12/07/16 09:45	12/09/16 09:55
40143295005	CW-19	Water	12/07/16 09:30	12/09/16 09:55
40143295006	RAW	Water	12/07/16 09:00	12/09/16 09:55
40143295007	TOWER A	Water	12/07/16 09:05	12/09/16 09:55
40143295008	TOWER B	Water	12/07/16 09:07	12/09/16 09:55
40143295009	FINISHED PRODUCT	Water	12/07/16 08:50	12/09/16 09:55
40143295010	CW-19 DUP	Water	12/07/16 09:30	12/09/16 09:55

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143295001	CW-11	EPA 524.2	DJB	8	PASI-M
40143295002	CW-15	EPA 524.2	DJB	8	PASI-M
40143295003	CW-16	EPA 524.2	DJB	8	PASI-M
40143295004	CW-17	EPA 524.2	DJB	8	PASI-M
40143295005	CW-19	EPA 8270	RJN	3	PASI-G
		EPA 524.2	DJB	8	PASI-M
40143295006	RAW	EPA 524.2	DJB	8	PASI-M
40143295007	TOWER A	EPA 524.2	DJB	8	PASI-M
40143295008	TOWER B	EPA 524.2	DJB	8	PASI-M
40143295009	FINISHED PRODUCT	EPA 524.2	DJB	8	PASI-M
40143295010	CW-19 DUP	EPA 8270	RJN	3	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40143295002	CW-15					
EPA 524.2	Trichloroethene	0.18J	ug/L	0.40	12/13/16 18:34	
40143295005	CW-19					
EPA 524.2	1,1,1-Trichloroethane	0.27J	ug/L	0.50	12/13/16 19:41	
EPA 524.2	Trichloroethene	2.1	ug/L	0.40	12/13/16 19:41	
40143295006	RAW					
EPA 524.2	Trichloroethene	0.60	ug/L	0.40	12/13/16 20:03	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

Method: EPA 8270
Description: 8270 MSSV Semivolatile Organic
Client: Gannett Fleming Inc.
Date: December 20, 2016

General Information:

2 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 244127

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Batch Comments:

Requested compound is not in the spike mix, nearest compound had acceptable spike recoveries
• QC Batch: 244144

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Method: EPA 524.2

Description: 524.2 MSV

Client: Gannett Fleming Inc.

Date: December 20, 2016

General Information:

9 samples were analyzed for EPA 524.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 451487

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-11 **Lab ID: 40143295001** Collected: 12/07/16 09:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:12	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:12	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:12	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:12	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 18:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		12/13/16 18:12	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/13/16 18:12	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:12	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-15 **Lab ID: 40143295002** Collected: 12/07/16 09:25 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:34	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:34	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:34	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:34	71-55-6	
Trichloroethene	0.18J	ug/L	0.40	0.044	1		12/13/16 18:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		12/13/16 18:34	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 18:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:34	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-16 **Lab ID: 40143295003** Collected: 12/07/16 09:10 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:57	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:57	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:57	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:57	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 18:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/13/16 18:57	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 18:57	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:57	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-17 **Lab ID: 40143295004** Collected: 12/07/16 09:45 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 19:19	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 19:19	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 19:19	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 19:19	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 19:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 19:19	460-00-4	
Toluene-d8 (S)	101	%	75-125		1		12/13/16 19:19	2037-26-5	
1,2-Dichloroethane-d4 (S)	115	%	75-125		1		12/13/16 19:19	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-19 **Lab ID: 40143295005** Collected: 12/07/16 09:30 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	12/14/16 07:29	12/14/16 20:11	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	44	%	43-130		1	12/14/16 07:29	12/14/16 20:11	4165-60-0	
2-Fluorobiphenyl (S)	61	%	41-130		1	12/14/16 07:29	12/14/16 20:11	321-60-8	
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 19:41	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 19:41	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 19:41	127-18-4	
1,1,1-Trichloroethane	0.27J	ug/L	0.50	0.10	1		12/13/16 19:41	71-55-6	
Trichloroethene	2.1	ug/L	0.40	0.044	1		12/13/16 19:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 19:41	460-00-4	
Toluene-d8 (S)	100	%	75-125		1		12/13/16 19:41	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 19:41	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: RAW **Lab ID: 40143295006** Collected: 12/07/16 09:00 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:03	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:03	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:03	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:03	71-55-6	
Trichloroethene	0.60	ug/L	0.40	0.044	1		12/13/16 20:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		12/13/16 20:03	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/13/16 20:03	2037-26-5	
1,2-Dichloroethane-d4 (S)	120	%	75-125		1		12/13/16 20:03	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: TOWER A **Lab ID: 40143295007** Collected: 12/07/16 09:05 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:25	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:25	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:25	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:25	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 20:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/13/16 20:25	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 20:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	117	%	75-125		1		12/13/16 20:25	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: TOWER B **Lab ID: 40143295008** Collected: 12/07/16 09:07 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:47	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:47	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:47	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:47	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 20:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 20:47	460-00-4	
Toluene-d8 (S)	101	%	75-125		1		12/13/16 20:47	2037-26-5	
1,2-Dichloroethane-d4 (S)	118	%	75-125		1		12/13/16 20:47	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: FINISHED PRODUCT **Lab ID: 40143295009** Collected: 12/07/16 08:50 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/17/16 00:16	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/17/16 00:16	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/17/16 00:16	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/17/16 00:16	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/17/16 00:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/17/16 00:16	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/17/16 00:16	2037-26-5	
1,2-Dichloroethane-d4 (S)	95	%	75-125		1		12/17/16 00:16	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

Sample: CW-19 DUP **Lab ID: 40143295010** Collected: 12/07/16 09:30 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/14/16 07:29	12/14/16 19:50	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	59	%	43-130		1	12/14/16 07:29	12/14/16 19:50	4165-60-0	
2-Fluorobiphenyl (S)	78	%	41-130		1	12/14/16 07:29	12/14/16 19:50	321-60-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

QC Batch: 451487 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40143295001, 40143295002, 40143295003, 40143295004, 40143295005, 40143295006, 40143295007, 40143295008

METHOD BLANK: 2472071 Matrix: Water
Associated Lab Samples: 40143295001, 40143295002, 40143295003, 40143295004, 40143295005, 40143295006, 40143295007, 40143295008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	0.50	12/13/16 12:20	
1,1-Dichloroethane	ug/L	<0.088	0.50	12/13/16 12:20	
1,1-Dichloroethene	ug/L	<0.089	0.50	12/13/16 12:20	
Tetrachloroethene	ug/L	<0.12	0.50	12/13/16 12:20	
Trichloroethene	ug/L	<0.044	0.40	12/13/16 12:20	
1,2-Dichloroethane-d4 (S)	%	114	75-125	12/13/16 12:20	
4-Bromofluorobenzene (S)	%	103	75-125	12/13/16 12:20	
Toluene-d8 (S)	%	101	75-125	12/13/16 12:20	

LABORATORY CONTROL SAMPLE & LCSD: 2472072 2472073

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.0	21.5	110	107	70-130	3	20	
1,1-Dichloroethane	ug/L	20	20.4	20.0	102	100	70-130	2	20	
1,1-Dichloroethene	ug/L	20	21.0	20.5	105	103	70-130	2	20	
Tetrachloroethene	ug/L	20	21.0	20.1	105	101	70-130	4	20	
Trichloroethene	ug/L	20	20.7	20.2	104	101	70-130	2	20	
1,2-Dichloroethane-d4 (S)	%				106	108	75-125			
4-Bromofluorobenzene (S)	%				101	101	75-125			
Toluene-d8 (S)	%				103	102	75-125			

MATRIX SPIKE SAMPLE: 2472074

Parameter	Units	40143141009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	20	22.5	112	70-130	
1,1-Dichloroethane	ug/L	<0.088	20	19.9	99	70-130	
1,1-Dichloroethene	ug/L	<0.089	20	21.8	109	70-130	
Tetrachloroethene	ug/L	<0.12	20	20.0	100	70-130	
Trichloroethene	ug/L	<0.044	20	19.2	96	70-130	
1,2-Dichloroethane-d4 (S)	%				108	75-125	
4-Bromofluorobenzene (S)	%				98	75-125	
Toluene-d8 (S)	%				100	75-125	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: B4283.000 NATIONAL PRESTO IND

Pace Project No.: 40143295

SAMPLE DUPLICATE: 2472075

Parameter	Units	40143141011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	<0.10		20	
1,1-Dichloroethane	ug/L	<0.088	<0.088		20	
1,1-Dichloroethene	ug/L	<0.089	<0.089		20	
Tetrachloroethene	ug/L	<0.12	<0.12		20	
Trichloroethene	ug/L	<0.044	<0.044		20	
1,2-Dichloroethane-d4 (S)	%	117	116	2		
4-Bromofluorobenzene (S)	%	102	99	2		
Toluene-d8 (S)	%	100	99	0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

QC Batch: 452191 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40143295009

METHOD BLANK: 2475523 Matrix: Water
Associated Lab Samples: 40143295009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.10	0.50	12/16/16 22:03	
1,1-Dichloroethane	ug/L	<0.088	0.50	12/16/16 22:03	
1,1-Dichloroethene	ug/L	<0.089	0.50	12/16/16 22:03	
Tetrachloroethene	ug/L	<0.12	0.50	12/16/16 22:03	
Trichloroethene	ug/L	<0.044	0.40	12/16/16 22:03	
1,2-Dichloroethane-d4 (S)	%	98	75-125	12/16/16 22:03	
4-Bromofluorobenzene (S)	%	99	75-125	12/16/16 22:03	
Toluene-d8 (S)	%	99	75-125	12/16/16 22:03	

LABORATORY CONTROL SAMPLE & LCSD: 2475524

Parameter	Units	2475525								Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	
1,1,1-Trichloroethane	ug/L	50	49.1	48.0	98	96	70-130	2	20	
1,1-Dichloroethane	ug/L	50	48.9	48.7	98	97	70-130	0	20	
1,1-Dichloroethene	ug/L	50	49.5	49.1	99	98	70-130	1	20	
Tetrachloroethene	ug/L	50	51.4	51.2	103	102	70-130	0	20	
Trichloroethene	ug/L	50	50.3	50.5	101	101	70-130	0	20	
1,2-Dichloroethane-d4 (S)	%				97	97	75-125			
4-Bromofluorobenzene (S)	%				99	98	75-125			
Toluene-d8 (S)	%				101	100	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2475526

Parameter	Units	2475527										
		60234089001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	18.5	17.7	93	89	70-130	4	20	
1,1-Dichloroethane	ug/L	ND	20	20	19.1	18.3	95	91	70-130	4	20	
1,1-Dichloroethene	ug/L	ND	20	20	20.1	19.3	101	97	70-130	4	20	
Tetrachloroethene	ug/L	ND	20	20	18.3	16.9	91	85	70-130	8	20	
Trichloroethene	ug/L	ND	20	20	19.0	18.3	95	91	70-130	4	20	
1,2-Dichloroethane-d4 (S)	%						95	95	75-125			
4-Bromofluorobenzene (S)	%						98	100	75-125			
Toluene-d8 (S)	%						98	98	75-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

QC Batch: 244127 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40143295005, 40143295010

METHOD BLANK: 1445791 Matrix: Water
Associated Lab Samples: 40143295005, 40143295010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	12/14/16 17:43	
2-Fluorobiphenyl (S)	%	70	41-130	12/14/16 17:43	
Nitrobenzene-d5 (S)	%	75	43-130	12/14/16 17:43	

LABORATORY CONTROL SAMPLE & LCSD: 1445792

Parameter	Units	Spike Conc.	1445793		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qualifiers
			LCS Result	LCSD Result						
1,4-Dioxane (p-Dioxane)	ug/L		<3.0	<3.0					20	
2-Fluorobiphenyl (S)	%				93	96	41-130			
Nitrobenzene-d5 (S)	%				87	84	43-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay
PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: 244144

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

[1] Requested compound is not in the spike mix, nearest compound had acceptable spike recoveries

Batch: 451487

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: B4283.000 NATIONAL PRESTO IND
Pace Project No.: 40143295

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143295005	CW-19	EPA 3510	244127	EPA 8270	244144
40143295010	CW-19 DUP	EPA 3510	244127	EPA 8270	244144
40143295001	CW-11	EPA 524.2	451487		
40143295002	CW-15	EPA 524.2	451487		
40143295003	CW-16	EPA 524.2	451487		
40143295004	CW-17	EPA 524.2	451487		
40143295005	CW-19	EPA 524.2	451487		
40143295006	RAW	EPA 524.2	451487		
40143295007	TOWER A	EPA 524.2	451487		
40143295008	TOWER B	EPA 524.2	451487		
40143295009	FINISHED PRODUCT	EPA 524.2	452191		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: **Garrett Fleming**
 Branch/Location: **MADISON, WI**
 Project Contact: **Dave Olig**
 Phone: **608-836-1500**
 Project Number: **34283,000**
 Project Name: **National Presto Ind**
 Project State: **WI**
 Sampled By (Print): **Marcus Mussey**
 Sampled By (Sign): *[Signature]*
 PO #: _____
 Regulatory Program: _____



CHAIN OF CUSTODY

AN=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-7700 WI: 920-469-2436

FILTERED? (YES/NO)
 PRESERVATION (CODE)

V/I/N	Pick Label	Analyses Requested
N	B	VOCs Method 524.2
N	A	1,4 Dioxane

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Data Package Options (billable)		M/S/M/S/D (billable)		Matrix Codes												
					<input type="checkbox"/> EPA Level III	<input type="checkbox"/> EPA Level IV	<input type="checkbox"/> On your sample	<input type="checkbox"/> NOT needed on your sample	A = Air	B = Bkln	C = Charcoal	O = Oil	S = Soil	SI = Sludge	W = Water	DW = Drinking Water	GW = Ground Water	SW = Surface Water	WP = Waste Water		
001	CW-11	12-7	920	BW																	
002	CW-15		925																		
003	CW-16		910																		
004	CW-17		945																		
005	CW-19		930																		
006	RAW		900																		
007	Tower A		905																		
008	Tower B		907																		
009	Finished Product		850																		
010	Temp Blank																				
010	CW-19 DUP		930																		

Relinquished By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	12-8-2000	<i>[Signature]</i>	
Logistics	12/16/05	POO	12/16/05

Quote #: _____
 Mail To Contact: _____
 Mail To Company: **See box**
 Mail To Address: **8025 Exchange Madison, WI 53717**
 Invoice To Contact: _____
 Invoice To Company: **Box 1**
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: **3-40ml/B**
 LAB COMMENTS (Lab Use Only): **2-11agA**
 Profile #: _____

PAGE Project No. **40143295**
 Receipt Temp = **805** °C
 Sample Receipt pH _____
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Project #:

WO#: 40143295

Client Name: Gannett Fleming

Courier: Fed Ex UPS Client Pace Other:

Tracking #: 795,126716, 1



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: SNA Type of Ice: Wet Blue Dry None

Cooler Temperature: Uncorr: ROT /Corr: Biological Tissue is Frozen: yes

Temp Blank Present: yes no

Person examining contents:
Date: 12/9/16
Initials: BJ

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checkboxes and text for Chain of Custody, Short Hold Time Analysis, Rush Turn Around Time, etc.

Client Notification/ Resolution:
Person Contacted:
Comments/ Resolution: Tracking # for 2nd cooler damaged during shipping

Project Manager Review: AMH for DM Date: 12/9/16



CASE NARRATIVE - SEMIVOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40143295
Client: GANNETT FLEMING INC
Project Name: NATIONAL PRESTO
Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 3510
- B. **Analysis:** SW846 8270C

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** The method acceptance criteria were met.
 - 3. **Continuing verification:** The method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** The in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met. Surrogate recoveries for the lab control spikes were reported even though 1,4-Dioxane was not in the lab control spike compound list.
- D. **Spikes:**
 - 1. **Lab Control Spike / Lab Control Spike Duplicate (LCS/LCSD):** All in-house accuracy and precision criteria were met. Neither the LCS nor LCSD were spiked with 1,4-Dioxane so no LCS summary was created.
 - 2. **Matrix Spike / Duplicate (MS/MSD):** A matrix spike / matrix spike duplicate was not performed for this batch due to insufficient sample volume.
- E. **Internal Standards:** All in-house acceptance criteria were met.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG.
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed.

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, LLC.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 12/28/16
Name: Jill A. Duranceau Position: Quality Assurance Auditor

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143295 Contract: B4283.000 NATIONAL PRESTO

Instrument ID: 40MSS8

LAB SAMPLE ID	SAMPLE NAME	2FBP	NIT5
1445791	1445791BLANK	70	75
1445792	1445792LCS	93	87
1445793	1445793LCSD	96	84
40143295005	CW-19	61	44
40143295010	CW-19 DUP	78	59

(2FBP) = 2-Fluorobiphenyl (S)

(NIT5) = Nitrobenzene-d5 (S)

* Values outside of QC Limits

QC LIMITS

(41-130)

(43-130)

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1445791BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40143295 Contract: B4283.000 NATIONAL PRESTO
Instrument ID: 40MSS8 Matrix: Water Lab Sample ID: 1445791
Lab File ID: 121416.B\12141629.D Date Analyzed: 12/14/2016 Time: 17:43

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1445792LCS	1445792	121416.B\12141630.D	12/14/2016 18:04
1445793LCSD	1445793	121416.B\12141631.D	12/14/2016 18:26
CW-19 DUP	40143295010	121416.B\12141635.D	12/14/2016 19:50
CW-19	40143295005	121416.B\12141636.D	12/14/2016 20:11

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143295 Contract: B4283.000 NATIONAL PRESTO
 Lab File ID: 111416.B\11141620.D DFTPP Injection Date: 11/14/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 14:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	35.20
68	Less than 2.00% of mass 69	0.50 (1.32) ¹
69	Mass 69 relative abundance	37.99
70	Less than 2.00% of mass 69	0.23 (0.62) ¹
127	10.00 - 80.00% of mass 198	48.22
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 60.00% of mass 198	27.24
365	Greater than 1.00% of mass 198	4.23
441	Present, but less than mass 443	14.16
442	Greater than 50.00% of mass 198	91.99
443	15.00 - 24.00% of mass 442	17.93 (19.50) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9169914CAL7	9169914CAL7	111416.B\11141621.D	11/14/2016	14:40
9169912CAL6	9169912CAL6	111416.B\11141622.D	11/14/2016	15:01
9169922CAL5	9169922CAL5	111416.B\11141623.D	11/14/2016	15:23
9169911CAL4	9169911CAL4	111416.B\11141624.D	11/14/2016	15:44
9169915CAL3	9169915CAL3	111416.B\11141625.D	11/14/2016	16:06
9169918CAL2	9169918CAL2	111416.B\11141626.D	11/14/2016	16:28
9169905CAL1	9169905CAL1	111416.B\11141627.D	11/14/2016	16:49
9169916ICV	9169916ICV	111416.B\11141628.D	11/14/2016	17:11

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143295 Contract: B4283.000 NATIONAL PRESTO
 Lab File ID: 121416.B\12141604.D DFTPP Injection Date: 12/14/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 08:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	42.14
68	Less than 2.00% of mass 69	0.78 (1.73) ¹
69	Mass 69 relative abundance	45.02
70	Less than 2.00% of mass 69	0.17 (0.38) ¹
127	10.00 - 80.00% of mass 198	49.24
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.80
275	10.00 - 60.00% of mass 198	27.65
365	Greater than 1.00% of mass 198	3.51
441	Present, but less than mass 443	11.28
442	Greater than 50.00% of mass 198	68.02
443	15.00 - 24.00% of mass 442	13.61 (20.01) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9289841CCV	9289841CCV	121416.B\12141605.D	12/14/2016	09:13
1445791BLANK	1445791BLANK	121416.B\12141629.D	12/14/2016	17:43
1445792LCS	1445792LCS	121416.B\12141630.D	12/14/2016	18:04
1445793LCSD	1445793LCSD	121416.B\12141631.D	12/14/2016	18:26
CW-19 DUP	40143295010	121416.B\12141635.D	12/14/2016	19:50
CW-19	40143295005	121416.B\12141636.D	12/14/2016	20:11

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40143295
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 14:40 16:49

LAB FILE ID

CAL1 = 111416.B\11141627.D CAL2 = 111416.B\11141626.D CAL3 = 111416.B\11141625.D
 CAL4 = 111416.B\11141624.D CAL5 = 111416.B\11141623.D CAL6 = 111416.B\11141622.D
 CAL7 = 111416.B\11141621.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,4-Dioxane (p-Dioxane)	Averaged	0.64117	0.63127	0.66340	0.60710	0.64349	0.61637
2-Fluorobiphenyl (S)	Averaged	1.61692	1.56548	1.39054	1.36167	1.31622	1.28102
Nitrobenzene-d5 (S)	Averaged	0.41056	0.42358	0.39790	0.36335	0.39313	0.37751

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:59

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40143295
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 14:40 16:49

LAB FILE ID

CAL1 = 111416.B\11141627.D CAL2 = 111416.B\11141626.D CAL3 = 111416.B\11141625.D
 CAL4 = 111416.B\11141624.D CAL5 = 111416.B\11141623.D CAL6 = 111416.B\11141622.D
 CAL7 = 111416.B\11141621.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,4-Dioxane (p-Dioxane)	Averaged	0.59381	3.80011			0.62809	
2-Fluorobiphenyl (S)	Averaged	1.24651	10.15184			1.39691	
Nitrobenzene-d5 (S)	Averaged	0.38211	5.20380			0.39259	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

9169916ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 11/14/2016 Time: 17:11

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 11/14/2016 11/14/2016

Lab File ID: 111416.B\11141628.D

Init. Calib. Time(s): 14:40 21:53

SDG No.: 40143295

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.62809	0.63819	0.0500	1.6081	50.0000
2-Fluorobiphenyl (S)	Averaged	1.39691	1.44027	0.0500	3.1042	50.0000
Nitrobenzene-d5 (S)	Averaged	0.39259	0.39872	0.0500	1.5606	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:59

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

9289841CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 12/14/2016 Time: 09:13

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 11/14/2016 11/14/2016

Lab File ID: 121416.B\12141605.D

Init. Calib. Time(s): 14:40 21:53

SDG No.: 40143295

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.62809	0.72634	0.0500	15.6441	50.0000
2-Fluorobiphenyl (S)	Averaged	1.39691	1.52541	0.0500	9.1989	50.0000
Nitrobenzene-d5 (S)	Averaged	0.39259	0.43875	0.0500	11.7571	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/20/2016 6:59

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143295 Contract: B4283.000 NATIONAL PRESTO IND
 Sample ID : 9289841CCV Date Analyzed: 12/14/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 09:13
 Lab File ID: 121416.B\12141605.D

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		109685	6.222	237036	10.092	44836	3.816	170673	4.804
UPPER LIMIT		219370	6.722	474072	10.592	89672	4.316	341346	5.304
LOWER LIMIT		54842.5	5.722	118518	9.592	22418	3.316	85336.5	4.304
LAB SAMPLE ID	SAMPLE NO.								
1445791	1445791BLANK	65195	6.222			29843	3.816	118494	4.804
1445792	1445792LCS	53677*	6.222			22426	3.816	94713	4.798
1445793	1445793LCSD	59389	6.222			26722	3.816	109215	4.798
40143295005	CW-19	60260	6.222			24788	3.816	98799	4.804
40143295010	CW-19 DUP	90001	6.222			40193	3.816	156810	4.804

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143295 Contract: B4283.000 NATIONAL PRESTO IND
Sample ID : 9289841CCV Date Analyzed: 12/14/2016
Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 09:13
Lab File ID: 121416.B\12141605.D

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		212832	7.445	231269	12.592
UPPER LIMIT		425664	7.945	462538	13.092
LOWER LIMIT		106416	6.945	115634.5	12.092
LAB SAMPLE ID	SAMPLE NO.				

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-19

Lab Name: Pace Analytical - Green Bay Contract: B4283.000 NATIONAL PRESTO IND
Date Received: 12/09/2016 09:55 Matrix: Water SDG No.: 40143295
Date Extracted: 12/14/2016 07:29 Lab Sample ID: 40143295005
Date Analyzed: 12/14/2016 20:11 Lab File ID: 121416.B\12141636.D
Initial wt/vol: 1050 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW-19 DUP

Lab Name: Pace Analytical - Green Bay
Date Received: 12/09/2016 09:55
Date Extracted: 12/14/2016 07:29
Date Analyzed: 12/14/2016 19:50
Initial wt/vol: 1060 mL Final wt/vol: 1 mL Dilution: 1

Contract: B4283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143295
Lab Sample ID: 40143295010
Lab File ID: 121416.B\12141635.D
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: _____
Date Extracted: 12/14/2016 07:29
Date Analyzed: 12/14/2016 17:43
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: B4283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143295
Lab Sample ID: 1445791
Lab File ID: 121416.B\12141629.D
Instrument: 40MSS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<3.0	U



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 40143284

Project Overview

Final Report with COC/SCUR	1
SDG Narrative	28

Organic

GC-MS Volatiles

Surrogate Recovery Summary (Form 2)	31
Laboratory Control Spike/Laboratory Control Spike Duplicate Summary (Form 3)	32
Matrix Spike/Matrix Spike Duplicate Summary (Form 3)	33
Method Blank Association Summary (Form 4)	35
Instrument Performance Check (Form 5)	36
Initial Calibration (Form 6)	38
Continuing Calibration (Form 7)	40
Internal Standard Area & Retention Time Summary (Form 8)	42
Analytical Results with Raw Data (Form 1)	43
Raw Data QC	51

GC-MS Semivolatiles

Surrogate Recovery Summary (Form 2)	52
Method Blank Association Summary (Form 4)	53
Instrument Performance Check (Form 5)	54
Initial Calibration (Form 6)	56
Continuing Calibration (Form 7)	58
Internal Standard Area & Retention Time Summary (Form 8)	60
Analytical Results with Raw Data (Form 1)	62
Raw Data QC	65

GC-MS SIM PAH

Surrogate Recovery Summary (Form 2)	66
Laboratory Control Spike/Laboratory Control Spike Duplicate Summary (Form 3)	67
Matrix Spike/Matrix Spike Duplicate Summary (Form 3)	68
Method Blank Association Summary (Form 4)	70
Instrument Performance Check (Form 5)	71
Initial Calibration (Form 6)	73
Continuing Calibration (Form 7)	76
Internal Standard Area & Retention Time Summary (Form 8)	78
Analytical Results with Raw Data (Form 1)	80
Raw Data QC	81

December 15, 2016

Dave Olig
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Dear Dave Olig:

Enclosed are the analytical results for sample(s) received by the laboratory on December 09, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Marcia Kuehl, MAKuehl Co.
Clifford Wright, Gannett Fleming



40143284

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143284001	EC-1	Water	12/07/16 09:40	12/09/16 09:55
40143284002	RW-3A	Water	12/07/16 10:10	12/09/16 09:55
40143284003	RW-3B	Water	12/07/16 10:15	12/09/16 09:55
40143284004	RW-3C	Water	12/07/16 10:20	12/09/16 09:55
40143284005	MW-45B	Water	12/07/16 10:35	12/09/16 09:55
40143284006	MW-45B DUP	Water	12/07/16 10:35	12/09/16 09:55
40143284007	MW-45C	Water	12/07/16 10:40	12/09/16 09:55
40143284008	MW-26B	Water	12/07/16 11:20	12/09/16 09:55
40143284009	RW-16	Water	12/07/16 11:00	12/09/16 09:55
40143284010	MW-52B	Water	12/07/16 08:20	12/09/16 09:55
40143284011	MH-18	Water	12/07/16 11:30	12/09/16 09:55

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143284001	EC-1	EPA 8260	HNW	8	PASI-G
40143284002	RW-3A	EPA 8260	HNW	8	PASI-G
40143284003	RW-3B	EPA 8260	HNW	8	PASI-G
40143284004	RW-3C	EPA 8270	RJN	3	PASI-G
		EPA 8260	HNW	8	PASI-G
40143284005	MW-45B	EPA 8260	HNW	8	PASI-G
40143284006	MW-45B DUP	EPA 8260	HNW	8	PASI-G
40143284007	MW-45C	EPA 8260	HNW	8	PASI-G
40143284008	MW-26B	EPA 8260	HNW	8	PASI-G
40143284009	RW-16	EPA 8270	RJN	3	PASI-G
40143284010	MW-52B	EPA 8270	RJN	3	PASI-G
40143284011	MH-18	EPA 8270 by HVI	TPO	20	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40143284001	EC-1					
EPA 8260	Trichloroethene	1.5	ug/L	1.0	12/14/16 19:52	
40143284002	RW-3A					
EPA 8260	Trichloroethene	2.0	ug/L	1.0	12/14/16 12:53	
40143284003	RW-3B					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	12/14/16 16:56	
40143284004	RW-3C					
EPA 8260	1,1,1-Trichloroethane	0.52J	ug/L	1.0	12/14/16 17:18	
EPA 8260	Trichloroethene	4.3	ug/L	1.0	12/14/16 17:18	
40143284005	MW-45B					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	12/14/16 17:40	
40143284006	MW-45B DUP					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	12/14/16 18:02	
40143284007	MW-45C					
EPA 8260	Trichloroethene	2.8	ug/L	1.0	12/14/16 18:24	
40143284008	MW-26B					
EPA 8260	Trichloroethene	0.35J	ug/L	1.0	12/14/16 18:46	
40143284011	MH-18					
EPA 8270 by HVI	Acenaphthene	0.040	ug/L	0.030	12/14/16 14:35	
EPA 8270 by HVI	Fluorene	0.018J	ug/L	0.040	12/14/16 14:35	
EPA 8270 by HVI	1-Methylnaphthalene	0.012J	ug/L	0.030	12/14/16 14:35	
EPA 8270 by HVI	2-Methylnaphthalene	0.0074J	ug/L	0.024	12/14/16 14:35	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

3 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 244127

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Batch Comments:

Requested compound is not in the spike mix, nearest compound had acceptable spike recoveries

- QC Batch: 244144

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Method: EPA 8270 by HVI
Description: 8270 MSSV PAH by HVI
Client: Gannett Fleming Inc.
Date: December 15, 2016

General Information:

1 sample was analyzed for EPA 8270 by HVI. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: December 15, 2016

General Information:

8 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 243877

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1444884)
- 1,1-Dichloroethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: EC-1 **Lab ID: 40143284001** Collected: 12/07/16 09:40 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 19:52	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 19:52	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 19:52	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 19:52	127-18-4	
Trichloroethene	1.5	ug/L	1.0	0.33	1		12/14/16 19:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/14/16 19:52	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/14/16 19:52	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/14/16 19:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: RW-3A **Lab ID:** 40143284002 Collected: 12/07/16 10:10 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 12:53	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 12:53	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 12:53	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 12:53	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.33	1		12/14/16 12:53	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/14/16 12:53	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/14/16 12:53	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/14/16 12:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: RW-3B **Lab ID: 40143284003** Collected: 12/07/16 10:15 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 16:56	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 16:56	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 16:56	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 16:56	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.33	1		12/14/16 16:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/14/16 16:56	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/14/16 16:56	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/14/16 16:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: RW-3C **Lab ID: 40143284004** Collected: 12/07/16 10:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	12/14/16 07:29	12/14/16 18:47	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	63	%	43-130		1	12/14/16 07:29	12/14/16 18:47	4165-60-0	
2-Fluorobiphenyl (S)	76	%	41-130		1	12/14/16 07:29	12/14/16 18:47	321-60-8	
8260 MSV Analytical Method: EPA 8260									
1,1,1-Trichloroethane	0.52J	ug/L	1.0	0.50	1		12/14/16 17:18	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 17:18	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 17:18	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 17:18	127-18-4	
Trichloroethene	4.3	ug/L	1.0	0.33	1		12/14/16 17:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/14/16 17:18	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/14/16 17:18	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/14/16 17:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-45B **Lab ID: 40143284005** Collected: 12/07/16 10:35 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 17:40	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 17:40	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 17:40	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 17:40	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.33	1		12/14/16 17:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/14/16 17:40	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/14/16 17:40	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/14/16 17:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-45B DUP **Lab ID: 40143284006** Collected: 12/07/16 10:35 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 18:02	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 18:02	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 18:02	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 18:02	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.33	1		12/14/16 18:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/14/16 18:02	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/14/16 18:02	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/14/16 18:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-45C **Lab ID: 40143284007** Collected: 12/07/16 10:40 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 18:24	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 18:24	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 18:24	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 18:24	127-18-4	
Trichloroethene	2.8	ug/L	1.0	0.33	1		12/14/16 18:24	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/14/16 18:24	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/14/16 18:24	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/14/16 18:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-26B **Lab ID: 40143284008** Collected: 12/07/16 11:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 18:46	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 18:46	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 18:46	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 18:46	127-18-4	
Trichloroethene	0.35J	ug/L	1.0	0.33	1		12/14/16 18:46	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/14/16 18:46	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/14/16 18:46	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/14/16 18:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: RW-16 **Lab ID: 40143284009** Collected: 12/07/16 11:00 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/14/16 07:29	12/14/16 19:08	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	49	%	43-130		1	12/14/16 07:29	12/14/16 19:08	4165-60-0	
2-Fluorobiphenyl (S)	72	%	41-130		1	12/14/16 07:29	12/14/16 19:08	321-60-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-52B **Lab ID: 40143284010** Collected: 12/07/16 08:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/14/16 07:29	12/14/16 19:29	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	71	%	43-130		1	12/14/16 07:29	12/14/16 19:29	4165-60-0	
2-Fluorobiphenyl (S)	77	%	41-130		1	12/14/16 07:29	12/14/16 19:29	321-60-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MH-18 Lab ID: 40143284011 Collected: 12/07/16 11:30 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.040	ug/L	0.030	0.0061	1	12/14/16 08:18	12/14/16 14:35	83-32-9	
Acenaphthylene	<0.0050	ug/L	0.025	0.0050	1	12/14/16 08:18	12/14/16 14:35	208-96-8	
Anthracene	<0.010	ug/L	0.052	0.010	1	12/14/16 08:18	12/14/16 14:35	120-12-7	
Benzo(a)anthracene	<0.0076	ug/L	0.038	0.0076	1	12/14/16 08:18	12/14/16 14:35	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.053	0.011	1	12/14/16 08:18	12/14/16 14:35	50-32-8	
Benzo(b)fluoranthene	<0.0057	ug/L	0.029	0.0057	1	12/14/16 08:18	12/14/16 14:35	205-99-2	
Benzo(g,h,i)perylene	<0.0068	ug/L	0.034	0.0068	1	12/14/16 08:18	12/14/16 14:35	191-24-2	
Benzo(k)fluoranthene	<0.0076	ug/L	0.038	0.0076	1	12/14/16 08:18	12/14/16 14:35	207-08-9	
Chrysene	<0.013	ug/L	0.065	0.013	1	12/14/16 08:18	12/14/16 14:35	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.050	0.010	1	12/14/16 08:18	12/14/16 14:35	53-70-3	
Fluoranthene	<0.011	ug/L	0.053	0.011	1	12/14/16 08:18	12/14/16 14:35	206-44-0	
Fluorene	0.018J	ug/L	0.040	0.0080	1	12/14/16 08:18	12/14/16 14:35	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.088	0.018	1	12/14/16 08:18	12/14/16 14:35	193-39-5	
1-Methylnaphthalene	0.012J	ug/L	0.030	0.0059	1	12/14/16 08:18	12/14/16 14:35	90-12-0	
2-Methylnaphthalene	0.0074J	ug/L	0.024	0.0049	1	12/14/16 08:18	12/14/16 14:35	91-57-6	
Naphthalene	<0.018	ug/L	0.092	0.018	1	12/14/16 08:18	12/14/16 14:35	91-20-3	
Phenanthrene	<0.014	ug/L	0.069	0.014	1	12/14/16 08:18	12/14/16 14:35	85-01-8	
Pyrene	<0.0076	ug/L	0.038	0.0076	1	12/14/16 08:18	12/14/16 14:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	25-130		1	12/14/16 08:18	12/14/16 14:35	321-60-8	
Terphenyl-d14 (S)	108	%	13-158		1	12/14/16 08:18	12/14/16 14:35	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

QC Batch: 243877 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40143284001, 40143284002, 40143284003, 40143284004, 40143284005, 40143284006, 40143284007, 40143284008

METHOD BLANK: 1444883 Matrix: Water
Associated Lab Samples: 40143284001, 40143284002, 40143284003, 40143284004, 40143284005, 40143284006, 40143284007, 40143284008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/14/16 10:46	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/14/16 10:46	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/14/16 10:46	
Tetrachloroethene	ug/L	<0.50	1.0	12/14/16 10:46	
Trichloroethene	ug/L	<0.33	1.0	12/14/16 10:46	
4-Bromofluorobenzene (S)	%	93	70-130	12/14/16 10:46	
Dibromofluoromethane (S)	%	104	70-130	12/14/16 10:46	
Toluene-d8 (S)	%	94	70-130	12/14/16 10:46	

LABORATORY CONTROL SAMPLE: 1444884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.9	114	70-131	
1,1-Dichloroethane	ug/L	50	70.9	142	70-133 L0	
1,1-Dichloroethene	ug/L	50	57.3	115	70-130	
Tetrachloroethene	ug/L	50	43.0	86	70-138	
Trichloroethene	ug/L	50	49.2	98	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1445848 1445849

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40143284002 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.50	50	50	58.8	63.2	118	126	70-134	7	20
1,1-Dichloroethane	ug/L	<0.24	50	50	58.5	61.5	117	123	70-134	5	20
1,1-Dichloroethene	ug/L	<0.41	50	50	58.6	65.0	117	130	68-136	10	20
Tetrachloroethene	ug/L	<0.50	50	50	45.7	48.0	91	96	70-148	5	20
Trichloroethene	ug/L	2.0	50	50	53.8	58.8	104	114	70-131	9	20
4-Bromofluorobenzene (S)	%						98	96	70-130		
Dibromofluoromethane (S)	%						110	111	70-130		
Toluene-d8 (S)	%						95	92	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

QC Batch: 244127 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40143284004, 40143284009, 40143284010

METHOD BLANK: 1445791 Matrix: Water
Associated Lab Samples: 40143284004, 40143284009, 40143284010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<3.0	9.9	12/14/16 17:43	
2-Fluorobiphenyl (S)	%	70	41-130	12/14/16 17:43	
Nitrobenzene-d5 (S)	%	75	43-130	12/14/16 17:43	

LABORATORY CONTROL SAMPLE & LCSD: 1445792

Parameter	Units	Spike Conc.	1445793		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qualifiers
			LCS Result	LCSD Result						
1,4-Dioxane (p-Dioxane)	ug/L		<3.0	<3.0					20	
2-Fluorobiphenyl (S)	%				93	96	41-130			
Nitrobenzene-d5 (S)	%				87	84	43-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

QC Batch: 244133	Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510	Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40143284011	

METHOD BLANK: 1445810 Matrix: Water

Associated Lab Samples: 40143284011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	12/14/16 11:36	
2-Methylnaphthalene	ug/L	<0.0049	0.024	12/14/16 11:36	
Acenaphthene	ug/L	<0.0061	0.030	12/14/16 11:36	
Acenaphthylene	ug/L	<0.0050	0.025	12/14/16 11:36	
Anthracene	ug/L	<0.010	0.052	12/14/16 11:36	
Benzo(a)anthracene	ug/L	<0.0076	0.038	12/14/16 11:36	
Benzo(a)pyrene	ug/L	<0.011	0.053	12/14/16 11:36	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	12/14/16 11:36	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	12/14/16 11:36	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	12/14/16 11:36	
Chrysene	ug/L	<0.013	0.065	12/14/16 11:36	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	12/14/16 11:36	
Fluoranthene	ug/L	<0.011	0.053	12/14/16 11:36	
Fluorene	ug/L	<0.0080	0.040	12/14/16 11:36	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	12/14/16 11:36	
Naphthalene	ug/L	<0.018	0.092	12/14/16 11:36	
Phenanthrene	ug/L	<0.014	0.069	12/14/16 11:36	
Pyrene	ug/L	<0.0076	0.038	12/14/16 11:36	
2-Fluorobiphenyl (S)	%	69	25-130	12/14/16 11:36	
Terphenyl-d14 (S)	%	119	13-158	12/14/16 11:36	

LABORATORY CONTROL SAMPLE: 1445811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.2	62	35-130	
2-Methylnaphthalene	ug/L	2	1.3	65	36-130	
Acenaphthene	ug/L	2	1.4	69	41-130	
Acenaphthylene	ug/L	2	1.2	61	41-130	
Anthracene	ug/L	2	1.8	91	38-130	
Benzo(a)anthracene	ug/L	2	1.6	79	49-130	
Benzo(a)pyrene	ug/L	2	1.8	89	69-143	
Benzo(b)fluoranthene	ug/L	2	2.2	111	63-146	
Benzo(g,h,i)perylene	ug/L	2	1.0	50	10-145	
Benzo(k)fluoranthene	ug/L	2	2.2	108	64-152	
Chrysene	ug/L	2	2.4	118	64-156	
Dibenz(a,h)anthracene	ug/L	2	0.80	40	10-143	
Fluoranthene	ug/L	2	2.0	101	54-134	
Fluorene	ug/L	2	1.4	72	44-130	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	79	39-140	
Naphthalene	ug/L	2	1.3	63	35-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

LABORATORY CONTROL SAMPLE: 1445811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	2	2.0	99	51-130	
Pyrene	ug/L	2	2.0	98	61-140	
2-Fluorobiphenyl (S)	%			72	25-130	
Terphenyl-d14 (S)	%			122	13-158	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1445812 1445813

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	Max		Qual
		40143284011 Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	RPD		RPD		
1-Methylnaphthalene	ug/L	0.012J	2	2	1.3	1.1	62	56	16-130	10	30		
2-Methylnaphthalene	ug/L	0.0074J	2	2	1.3	1.2	63	60	33-130	5	30		
Acenaphthene	ug/L	0.040	2	2	1.4	1.2	66	57	29-130	14	27		
Acenaphthylene	ug/L	<0.0050	2	2	1.1	1.0	56	50	33-130	12	27		
Anthracene	ug/L	<0.010	2	2	1.4	1.1	70	55	26-130	24	31		
Benzo(a)anthracene	ug/L	<0.0076	2	2	1.4	1.3	70	65	27-130	8	36		
Benzo(a)pyrene	ug/L	<0.011	2	2	1.2	1.1	60	57	16-151	5	44		
Benzo(b)fluoranthene	ug/L	<0.0057	2	2	1.4	1.4	71	72	30-142	1	41		
Benzo(g,h,i)perylene	ug/L	<0.0068	2	2	0.56	0.53	28	27	10-130	4	50		
Benzo(k)fluoranthene	ug/L	<0.0076	2	2	1.2	1.2	60	60	24-152	0	41		
Chrysene	ug/L	<0.013	2	2	1.7	1.7	87	83	40-152	5	33		
Dibenz(a,h)anthracene	ug/L	<0.010	2	2	0.49	0.46	24	23	10-130	6	50		
Fluoranthene	ug/L	<0.011	2	2	1.5	1.4	75	70	39-140	8	30		
Fluorene	ug/L	0.018J	2	2	1.4	1.2	68	58	35-130	16	26		
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	2	2	0.75	0.66	37	33	10-130	12	50		
Naphthalene	ug/L	<0.018	2	2	1.2	1.2	61	59	29-130	3	31		
Phenanthrene	ug/L	<0.014	2	2	1.6	1.3	78	66	48-130	16	25		
Pyrene	ug/L	<0.0076	2	2	1.7	1.5	86	77	42-143	11	25		
2-Fluorobiphenyl (S)	%						69	60	25-130				
Terphenyl-d14 (S)	%						94	91	13-158				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 244144

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

[1] Requested compound is not in the spike mix, nearest compound had acceptable spike recoveries

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143284004	RW-3C	EPA 3510	244127	EPA 8270	244144
40143284009	RW-16	EPA 3510	244127	EPA 8270	244144
40143284010	MW-52B	EPA 3510	244127	EPA 8270	244144
40143284011	MH-18	EPA 3510	244133	EPA 8270 by HVI	244191
40143284001	EC-1	EPA 8260	243877		
40143284002	RW-3A	EPA 8260	243877		
40143284003	RW-3B	EPA 8260	243877		
40143284004	RW-3C	EPA 8260	243877		
40143284005	MW-45B	EPA 8260	243877		
40143284006	MW-45B DUP	EPA 8260	243877		
40143284007	MW-45C	EPA 8260	243877		
40143284008	MW-26B	EPA 8260	243877		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)



CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40143284

Company Name: **Gannett Flummy**
 Branch/Location: **Madison, WI**
 Project Contact: **Dave Dilyg**
 Phone: **608-836-1500**
 Project Number: **34283.000**
 Project Name: **National Presto Ind**
 Project State: **WI**
 Sampled By (Print): **Marcus Mussey**
 Sampled By (Sign): *[Signature]*
 PO #: **2**
 Regulatory Program:

FILTERED? (YES/NO)
 PRESERVATION (CODE)*

V/N	Y/N	Peak Label
N	N	VOLs
B	A	NPI Short List
A	A	1,4-Dioxane
A	N	PAH 8270

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested	Data Package Options (billable)		MS/MSD (billable)		Matrix Codes	
						<input type="checkbox"/> EPA Level III	<input type="checkbox"/> EPA Level IV	<input type="checkbox"/> On your sample	<input type="checkbox"/> NOT needed on your sample	A = Air	B = Biota
001	EC-1	12-7	940	GW							
002	RW-3A		1010								
003	RW-3B		1015								
004	RW-3C		1020								
005	MW-45B		1035								
006	MW-45B Dup		1035								
007	MW-45C		1040								
008	MW-26B		1120								
009	RW-16		1100								
010	MW-52B		820								
011	MH-18		1130								

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Relinquished By: *[Signature]*
 Date/Time: **12-8, 12:00**
 Relinquished By: **CS Logistics**
 Date/Time: **12/9/16**
 Relinquished By: _____
 Date/Time: _____

Received By: *[Signature]*
 Date/Time: _____
 Received By: **BRUCE BRILL**
 Date/Time: **0955**
 Received By: _____
 Date/Time: _____

PACE Project No. **40143284**
 Receipt Temp = **ROT** °C
 Sample Receipt pH **OK / Adjusted**
 Cooler/Custody Seal Present / Not Present
 Intact / Not Intact

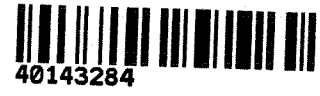
Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Project # **WO# : 40143284**

Client Name: Gannett Fleming
 Courier: Fed Ex UPS Client Pace Other: CS Logistics
 Tracking #: 795,120716 (1)



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Custody Seal on Samples Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer Used: NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature: Uncorr: ROT /Corr: Biological Tissue is Frozen: yes no
 Temp Blank Present: yes no

Person examining contents:
Date: 12/9/16
Initials: BVJ

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. all collect dates are 12/7 BH 12/9/16
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. 004 1-40ml vials no ID matched by pairing in shipping BH 12/9/16
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <u>VOA</u> coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #/ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: (1) and tracking # damaged during shipping, unreadable
BH 12/9/16

Project Manager Review: AMH for DM Date: 12/9/16



CASE NARRATIVE - VOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40143284

Client: GANNETT FLEMING INC

Project Name: NATIONAL PRESTO

Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 8260B
- B. **Analysis:** SW846 8260B

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** All method acceptance criteria were met.
 - 3. **Continuing verification:** All method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** All in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met.
- D. **Spikes:**
 - 1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met except 1,1-Dichlorethane which was above control criteria. The "L3" data qualifier was applied to the final report.
 - 2. **Matrix Spike / Matrix Spike Duplicate (MS/MSD):** Sample RW-3A was the designated MS/MSD sample parent for this SDG. All in-house accuracy and precision criteria were met.
- E. **Internal Standards:** All in-house acceptance criteria were met.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, LLC**, and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 12/28/16

Name: Jill A. Duranceau Position: Quality Assurance Auditor



CASE NARRATIVE - SEMIVOLATILE ORGANIC COMPOUND ANALYSIS

Lab Report Number (SDG): 40143284
Client: GANNETT FLEMING INC
Project Name: NATIONAL PRESTO
Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 3510
- B. **Analysis:** SW846 8270C

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** The method acceptance criteria were met.
 - 3. **Continuing verification:** The method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** The in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met. Surrogate recoveries for the lab control spikes were reported even though 1,4-Dioxane was not in the lab control spike compound list.
- D. **Spikes:**
 - 1. **Lab Control Spike / Lab Control Spike Duplicate (LCS/LCSD):** All in-house accuracy and precision criteria were met. Neither the LCS nor LCSD were spiked with 1,4-Dioxane so no LCS summary was created.
 - 2. **Matrix Spike / Duplicate (MS/MSD):** A matrix spike / matrix spike duplicate was not performed for this batch due to insufficient sample volume.
- E. **Internal Standards:** All in-house acceptance criteria were met.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG.
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** No additional comments are needed.

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, LLC.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Jill A. Duranceau Date: 12/28/16
Name: Jill A. Duranceau Position: Quality Assurance Auditor



CASE NARRATIVE – POLYNUCLEAR AROMATIC HYDROCARBON ANALYSIS

Lab Report Number (SDG): 40143284

Client: GANNETT FLEMING INC

Project Name: NATIONAL PRESTO

Project Number: 34283.000

1. RECEIPT

Samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

- A. **Preparation:** SW846 3510
- B. **Analysis:** SW846 8270C by HVI

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **GC/MS Tune:** All method acceptance criteria were met.
 - 2. **Initial verification:** The method acceptance criteria were met.
 - 3. **Continuing verification:** The method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** All in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met.
- D. **Spikes:**
 - 1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met.
 - 2. **Matrix Spike / Duplicate (MS/MSD):** Sample MH-18 was the designated MS/MSD sample parent for this SDG. All in-house accuracy and precision criteria were met
- E. **Internal Standards:** All in-house acceptance criteria were met except 1445810BLANK.
- F. **Samples:** Sample analyses proceeded normally.
- G. **Dilutions:** None required for this SDG.
- H. **Reanalysis:** None required for this SDG
- I. **Comments:** No additional comments are needed.

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, Inc.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package:

Signed: Jill A. Duranceau Date: 12/28/16

Name: Jill A. Duranceau Position: Quality Assurance Auditor

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSV3

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1444883	1444883BLANK	93	104	94
1444884	1444884LCS	99	107	94
1445848	1445848MS	98	110	95
1445849	1445849MSD	96	111	92
40143284001	EC-1	90	108	94
40143284002	RW-3A	93	109	92
40143284003	RW-3B	91	106	93
40143284004	RW-3C	92	106	92
40143284005	MW-45B	91	108	92
40143284006	MW-45B DUP	91	107	94
40143284007	MW-45C	94	108	94
40143284008	MW-26B	93	109	93

(BFB) = 4-Bromofluorobenzene (S)
(DIBF) = Dibromofluoromethane (S)
(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

QC LIMITS

(70-130)
(70-130)
(70-130)

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay
 Date Extracted: 12/14/2016
 Instrument: 40MSV3
 Lab File ID: 12142016.B\12141615.D

Lab Sample ID: 1444884LCS
 Date Analyzed (1): 12/14/2016
 LCS Lot No: 153247
 SDG No.: 40143284

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
1,1-Dichloroethane	50.0	70.9	142	70-133
1,1-Dichloroethene	50.0	57.3	115	70-130
Tetrachloroethene	50.0	43.0	86	70-138
1,1,1-Trichloroethane	50.0	56.9	114	70-131
Trichloroethene	50.0	49.2	98	70-130

Spike Recovery: 1 out of 5 outside limits.

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Matrix Spike - Sample No: 1445848MS

Date Extracted: 12/14/2016

Date Analyzed (1): 12/14/2016

Instrument: 40MSV3

Lab File ID: 12142016.B\12141617.D

Parent Sample ID: RW-3A

SDG No.: 40143284

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	<0.50	58.8	118	70-134
1,1-Dichloroethane	50.0	<0.24	58.5	117	70-134
1,1-Dichloroethene	50.0	<0.41	58.6	117	68-136
Tetrachloroethene	50.0	<0.50	45.7	91	70-148
Trichloroethene	50.0	2.0	53.8	104	70-131

Spike Recovery: 0 out of 5 outside limits.

12/28/2016 9:01

MSV - FORM III VOA-2
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 40MSV3 Matrix Spike Duplicate - Sample No: 1445849MSD
 Lab File ID (2): 12142016.B\12141618.D Date Analyzed (2): 12/14/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	63.2	126	7	0-20	70-134
1,1-Dichloroethane	50.0	61.5	123	5	0-20	70-134
1,1-Dichloroethene	50.0	65.0	130	10	0-20	68-136
Tetrachloroethene	50.0	48.0	96	5	0-20	70-148
Trichloroethene	50.0	58.8	114	9	0-20	70-131

RPD: 0 out of 5 outside limits.

Spike Recovery: 0 out of 5 outside limits.

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1444883BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO
Instrument ID: 40MSV3 Matrix: Water Lab Sample ID: 1444883
Lab File ID: 12142016.B\12141614.D Date Analyzed: 12/14/2016 Time: 10:46

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1444884LCS	1444884	12142016.B\12141615.D	12/14/2016 11:08
1445848MS	1445848	12142016.B\12141617.D	12/14/2016 12:09
1445849MSD	1445849	12142016.B\12141618.D	12/14/2016 12:31
RW-3A	40143284002	12142016.B\12141619.D	12/14/2016 12:53
RW-3B	40143284003	12142016.B\12141630.D	12/14/2016 16:56
RW-3C	40143284004	12142016.B\12141631.D	12/14/2016 17:18
MW-45B	40143284005	12142016.B\12141632.D	12/14/2016 17:40
MW-45B DUP	40143284006	12142016.B\12141633.D	12/14/2016 18:02
MW-45C	40143284007	12142016.B\12141634.D	12/14/2016 18:24
MW-26B	40143284008	12142016.B\12141635.D	12/14/2016 18:46
EC-1	40143284001	12142016.B\12141638.D	12/14/2016 19:52

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 11212016.B\11211621.D BFB Injection Date: 11/21/2016
 Instrument ID: 40MSV3 BFB Injection Time: 08:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	18.08
75	30.00 - 60.00% of mass 95	48.02
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.69 (0.74) ¹
174	50.00 - 100.00% of mass 95	93.00
175	5.00 - 9.00% of mass 174	6.62 (7.12) ¹
176	95.00 - 101.00% of mass 174	90.38 (97.18) ¹
177	5.00 - 9.00% of mass 176	5.93 (6.56) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9203315CAL1	9203315CAL1	11212016.B\11211624.D	11/21/2016	09:45
9203322CAL2	9203322CAL2	11212016.B\11211625.D	11/21/2016	10:07
9203320CAL3	9203320CAL3	11212016.B\11211626.D	11/21/2016	10:29
9203323CAL4	9203323CAL4	11212016.B\11211627.D	11/21/2016	10:51
9203317CAL5	9203317CAL5	11212016.B\11211628.D	11/21/2016	11:13
9203319CAL6	9203319CAL6	11212016.B\11211629.D	11/21/2016	11:35
9203316CAL7	9203316CAL7	11212016.B\11211630.D	11/21/2016	11:57
9203321ICV	9203321ICV	11212016.B\11211633.D	11/21/2016	13:03

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 12142016.B\12141611.D BFB Injection Date: 12/14/2016
 Instrument ID: 40MSV3 BFB Injection Time: 09:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	19.37
75	30.00 - 60.00% of mass 95	49.50
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.92
173	Less than 2.00% of mass 174	0.68 (0.74) ¹
174	50.00 - 100.00% of mass 95	91.90
175	5.00 - 9.00% of mass 174	6.82 (7.42) ¹
176	95.00 - 101.00% of mass 174	88.86 (96.69) ¹
177	5.00 - 9.00% of mass 176	5.82 (6.55) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9289115CCV	9289115CCV	12142016.B\12141612.D	12/14/2016	10:02
1444883BLANK	1444883BLANK	12142016.B\12141614.D	12/14/2016	10:46
1444884LCS	1444884LCS	12142016.B\12141615.D	12/14/2016	11:08
1445848MS	1445848MS	12142016.B\12141617.D	12/14/2016	12:09
1445849MSD	1445849MSD	12142016.B\12141618.D	12/14/2016	12:31
RW-3A	40143284002	12142016.B\12141619.D	12/14/2016	12:53
RW-3B	40143284003	12142016.B\12141630.D	12/14/2016	16:56
RW-3C	40143284004	12142016.B\12141631.D	12/14/2016	17:18
MW-45B	40143284005	12142016.B\12141632.D	12/14/2016	17:40
MW-45B DUP	40143284006	12142016.B\12141633.D	12/14/2016	18:02
MW-45C	40143284007	12142016.B\12141634.D	12/14/2016	18:24
MW-26B	40143284008	12142016.B\12141635.D	12/14/2016	18:46
EC-1	40143284001	12142016.B\12141638.D	12/14/2016	19:52

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSV3 GC Column: Col 1 SDG No.: 40143284
 Calibration Date(s): 11/21/2016 11/21/2016 Calibration Time(s): 09:45 11:57

LAB FILE ID

CAL1 = 11212016.B\11211624.D CAL2 = 11212016.B\11211625.D CAL3 = 11212016.B\11211626.D
 CAL4 = 11212016.B\11211627.D CAL5 = 11212016.B\11211628.D CAL6 = 11212016.B\11211629.D
 CAL7 = 11212016.B\11211630.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,1-Dichloroethane	Averaged	0.66779	0.71051	0.73190	0.73549	0.72342	0.71206
1,1-Dichloroethene	Averaged	0.51730	0.63885	0.59974	0.63284	0.62444	0.59649
Tetrachloroethene	Averaged	0.32146	0.34544	0.33771	0.35533	0.35097	0.34486
1,1,1-Trichloroethane	Averaged	0.54988	0.69351	0.68126	0.72683	0.74388	0.75440
Trichloroethene	Averaged	0.27566	0.33032	0.31015	0.33875	0.33992	0.35162
4-Bromofluorobenzene (S)	Averaged	0.42176	0.43211	0.44002	0.45307	0.46472	0.45443
Dibromofluoromethane (S)	Averaged	0.42558	0.44031	0.45404	0.43781	0.44369	0.44334
Toluene-d8 (S)	Averaged	1.25361	1.25868	1.26529	1.28563	1.26223	1.24847

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:01

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSV3 GC Column: Col 1 SDG No.: 40143284
 Calibration Date(s): 11/21/2016 11/21/2016 Calibration Time(s): 09:45 11:57

LAB FILE ID

CAL1 = 11212016.B\11211624.D CAL2 = 11212016.B\11211625.D CAL3 = 11212016.B\11211626.D
 CAL4 = 11212016.B\11211627.D CAL5 = 11212016.B\11211628.D CAL6 = 11212016.B\11211629.D
 CAL7 = 11212016.B\11211630.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,1-Dichloroethane	Averaged	0.73493	3.32853			0.71658	
1,1-Dichloroethene	Averaged	0.60342	6.79095			0.60187	
Tetrachloroethene	Averaged	0.35894	3.63675			0.34496	
1,1,1-Trichloroethane	Averaged	0.78851	11.00387			0.70547	
Trichloroethene	Averaged	0.35307	8.34263			0.32850	
4-Bromofluorobenzene (S)	Averaged	0.45985	3.51408			0.44656	
Dibromofluoromethane (S)	Averaged	0.46412	2.75393			0.44413	
Toluene-d8 (S)	Averaged	1.26080	0.93479			1.26210	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:01

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

9203321ICV

Lab Name: Pace Analytical - Green Bay Calibration Date: 11/21/2016 Time: 13:03
 Instrument ID: 40MSV3 GC Column: Col 1 Init. Calib. Date(s): 11/21/2016 11/21/2016
 Lab File ID: 11212016.B\11211633.D Init. Calib. Time(s): 09:45 11:57
 SDG No.: 40143284

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	0.71658	0.69872	0.1000	-2.4926	50.0000
1,1-Dichloroethene	Averaged	0.60187	0.57792	0.0100	-3.9790	20.0000
Tetrachloroethene	Averaged	0.34496	0.32199	0.0100	-6.6575	50.0000
1,1,1-Trichloroethane	Averaged	0.70547	0.69162	0.0100	-1.9623	50.0000
Trichloroethene	Averaged	0.32850	0.31677	0.0100	-3.5716	50.0000
4-Bromofluorobenzene (S)	Averaged	0.44656	0.44395	0.2000	-0.5843	50.0000
Dibromofluoromethane (S)	Averaged	0.44413	0.45051	0.2000	1.4374	50.0000
Toluene-d8 (S)	Averaged	1.26210	1.26202	0.2000	-0.0066	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

9289115CCV

Lab Name: Pace Analytical - Green Bay Calibration Date: 12/14/2016 Time: 10:02
 Instrument ID: 40MSV3 GC Column: Col 1 Init. Calib. Date(s): 11/21/2016 11/21/2016
 Lab File ID: 12142016.B\12141612.D Init. Calib. Time(s): 09:45 11:57
 SDG No.: 40143284

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1-Dichloroethane	Averaged	0.71658	0.82432	0.1000	15.0342	50.0000
1,1-Dichloroethene	Averaged	0.60187	0.71792	0.0100	19.2822	20.0000
Tetrachloroethene	Averaged	0.34496	0.31173	0.0100	-9.6329	50.0000
1,1,1-Trichloroethane	Averaged	0.70547	0.79511	0.0100	12.7064	50.0000
Trichloroethene	Averaged	0.32850	0.33161	0.0100	0.9462	50.0000
4-Bromofluorobenzene (S)	Averaged	0.44656	0.45027	0.2000	0.8293	50.0000
Dibromofluoromethane (S)	Averaged	0.44413	0.48014	0.2000	8.1094	50.0000
Toluene-d8 (S)	Averaged	1.26210	1.19891	0.2000	-5.0071	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO IND

Sample ID : 9289115CCV Date Analyzed: 12/14/2016

Instrument ID: 40MSV3 GC Column: Col 1 Time Analyzed: 10:02

Lab File ID: 12142016.B\12141612.D

		AREA CBZ	RT	AREA DCB	RT	AREA DFB	RT	AREA PFB	RT
12 HOUR STD		289350	8.927	165574	12.316	293642	5.165	171372	4.416
UPPER LIMIT		578700	9.427	331148	12.816	587284	5.665	342744	4.916
LOWER LIMIT		144675	8.427	82787	11.816	146821	4.665	85686	3.916
LAB SAMPLE ID	SAMPLE NO.								
1444883	1444883BLANK	279512	8.927	136981	12.31	276787	5.165	166825	4.415
1444884	1444884LCS	277363	8.927	154138	12.31	273953	5.165	162462	4.416
1445848	1445848MS	280160	8.927	152297	12.317	279143	5.165	165887	4.416
1445849	1445849MSD	268716	8.927	144849	12.316	262523	5.165	156290	4.415
40143284001	EC-1	254775	8.927	118264	12.316	248393	5.165	148725	4.415
40143284002	RW-3A	274111	8.927	130354	12.316	265467	5.165	159169	4.415
40143284003	RW-3B	262536	8.927	126018	12.316	259249	5.165	155350	4.415
40143284004	RW-3C	260760	8.927	121665	12.316	252446	5.165	154063	4.415
40143284005	MW-45B	268891	8.927	128146	12.316	259186	5.165	154492	4.416
40143284006	MW-45B DUP	263230	8.927	123115	12.316	258113	5.165	153800	4.415
40143284007	MW-45C	258730	8.927	123767	12.316	255507	5.165	150600	4.415
40143284008	MW-26B	265581	8.927	127197	12.316	261092	5.165	152908	4.415

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

DFB = 1,4-Difluorobenzene (IS)

PFB = Pentafluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EC-1

Lab Name: Pace Analytical - Green Bay
Date Received: 12/09/2016 09:55
Date Extracted: 12/14/2016 19:52
Date Analyzed: 12/14/2016 19:52
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143284
Lab Sample ID: 40143284001
Lab File ID: 12142016.B\12141638.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	1.5	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-3A

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/09/2016 09:55 Matrix: Water SDG No.: 40143284
Date Extracted: 12/14/2016 12:53 Lab Sample ID: 40143284002
Date Analyzed: 12/14/2016 12:53 Lab File ID: 12142016.B\12141619.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	2.0	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-3B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/09/2016 09:55 Matrix: Water SDG No.: 40143284
Date Extracted: 12/14/2016 16:56 Lab Sample ID: 40143284003
Date Analyzed: 12/14/2016 16:56 Lab File ID: 12142016.B\12141630.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	2.5	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-3C

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/09/2016 09:55 Matrix: Water SDG No.: 40143284
Date Extracted: 12/14/2016 17:18 Lab Sample ID: 40143284004
Date Analyzed: 12/14/2016 17:18 Lab File ID: 12142016.B\12141631.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	0.52	J
79-01-6	Trichloroethene	4.3	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-45B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/09/2016 09:55 Matrix: Water SDG No.: 40143284
Date Extracted: 12/14/2016 17:40 Lab Sample ID: 40143284005
Date Analyzed: 12/14/2016 17:40 Lab File ID: 12142016.B\12141632.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	2.5	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-45B DUP

Lab Name: Pace Analytical - Green Bay
Date Received: 12/09/2016 09:55
Date Extracted: 12/14/2016 18:02
Date Analyzed: 12/14/2016 18:02
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143284
Lab Sample ID: 40143284006
Lab File ID: 12142016.B\12141633.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	2.5	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-45C

Lab Name: Pace Analytical - Green Bay
Date Received: 12/09/2016 09:55
Date Extracted: 12/14/2016 18:24
Date Analyzed: 12/14/2016 18:24
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143284
Lab Sample ID: 40143284007
Lab File ID: 12142016.B\12141634.D
Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	2.8	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-26B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/09/2016 09:55 Matrix: Water SDG No.: 40143284
Date Extracted: 12/14/2016 18:46 Lab Sample ID: 40143284008
Date Analyzed: 12/14/2016 18:46 Lab File ID: 12142016.B\12141635.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	0.35	J

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: _____ Matrix: Water SDG No.: 40143284
Date Extracted: 12/14/2016 10:46 Lab Sample ID: 1444883
Date Analyzed: 12/14/2016 10:46 Lab File ID: 12142016.B\12141614.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV3 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
75-34-3	1,1-Dichloroethane	<0.24	U
75-35-4	1,1-Dichloroethene	<0.41	U
127-18-4	Tetrachloroethene	<0.50	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-01-6	Trichloroethene	<0.33	U

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSS8

LAB SAMPLE ID	SAMPLE NAME	2FBP	NIT5
1445791	1445791BLANK	70	75
1445792	1445792LCS	93	87
1445793	1445793LCSD	96	84
40143284004	RW-3C	76	63
40143284009	RW-16	72	49
40143284010	MW-52B	77	71

(2FBP) = 2-Fluorobiphenyl (S)

(NIT5) = Nitrobenzene-d5 (S)

* Values outside of QC Limits

QC LIMITS

(41-130)

(43-130)

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1445791BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO
Instrument ID: 40MSS8 Matrix: Water Lab Sample ID: 1445791
Lab File ID: 121416.B\12141629.D Date Analyzed: 12/14/2016 Time: 17:43

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1445792LCS	1445792	121416.B\12141630.D	12/14/2016 18:04
1445793LCSD	1445793	121416.B\12141631.D	12/14/2016 18:26
RW-3C	40143284004	121416.B\12141632.D	12/14/2016 18:47
RW-16	40143284009	121416.B\12141633.D	12/14/2016 19:08
MW-52B	40143284010	121416.B\12141634.D	12/14/2016 19:29

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 111416.B\11141620.D DFTPP Injection Date: 11/14/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 14:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	35.20
68	Less than 2.00% of mass 69	0.50 (1.32) ¹
69	Mass 69 relative abundance	37.99
70	Less than 2.00% of mass 69	0.23 (0.62) ¹
127	10.00 - 80.00% of mass 198	48.22
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 60.00% of mass 198	27.24
365	Greater than 1.00% of mass 198	4.23
441	Present, but less than mass 443	14.16
442	Greater than 50.00% of mass 198	91.99
443	15.00 - 24.00% of mass 442	17.93 (19.50) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9169914CAL7	9169914CAL7	111416.B\11141621.D	11/14/2016	14:40
9169912CAL6	9169912CAL6	111416.B\11141622.D	11/14/2016	15:01
9169922CAL5	9169922CAL5	111416.B\11141623.D	11/14/2016	15:23
9169911CAL4	9169911CAL4	111416.B\11141624.D	11/14/2016	15:44
9169915CAL3	9169915CAL3	111416.B\11141625.D	11/14/2016	16:06
9169918CAL2	9169918CAL2	111416.B\11141626.D	11/14/2016	16:28
9169905CAL1	9169905CAL1	111416.B\11141627.D	11/14/2016	16:49
9169916ICV	9169916ICV	111416.B\11141628.D	11/14/2016	17:11

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 121416.B\12141604.D DFTPP Injection Date: 12/14/2016
 Instrument ID: 40MSS8 DFTPP Injection Time: 08:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	42.14
68	Less than 2.00% of mass 69	0.78 (1.73) ¹
69	Mass 69 relative abundance	45.02
70	Less than 2.00% of mass 69	0.17 (0.38) ¹
127	10.00 - 80.00% of mass 198	49.24
197	Less than 2.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.80
275	10.00 - 60.00% of mass 198	27.65
365	Greater than 1.00% of mass 198	3.51
441	Present, but less than mass 443	11.28
442	Greater than 50.00% of mass 198	68.02
443	15.00 - 24.00% of mass 442	13.61 (20.01) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9289841CCV	9289841CCV	121416.B\12141605.D	12/14/2016	09:13
1445791BLANK	1445791BLANK	121416.B\12141629.D	12/14/2016	17:43
1445792LCS	1445792LCS	121416.B\12141630.D	12/14/2016	18:04
1445793LCSD	1445793LCSD	121416.B\12141631.D	12/14/2016	18:26
RW-3C	40143284004	121416.B\12141632.D	12/14/2016	18:47
RW-16	40143284009	121416.B\12141633.D	12/14/2016	19:08
MW-52B	40143284010	121416.B\12141634.D	12/14/2016	19:29

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40143284
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 14:40 16:49

LAB FILE ID

CAL1 = 111416.B\11141627.D CAL2 = 111416.B\11141626.D CAL3 = 111416.B\11141625.D
 CAL4 = 111416.B\11141624.D CAL5 = 111416.B\11141623.D CAL6 = 111416.B\11141622.D
 CAL7 = 111416.B\11141621.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,4-Dioxane (p-Dioxane)	Averaged	0.64117	0.63127	0.66340	0.60710	0.64349	0.61637
2-Fluorobiphenyl (S)	Averaged	1.61692	1.56548	1.39054	1.36167	1.31622	1.28102
Nitrobenzene-d5 (S)	Averaged	0.41056	0.42358	0.39790	0.36335	0.39313	0.37751

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS8 GC Column: Col 1 SDG No.: 40143284
 Calibration Date(s): 11/14/2016 11/14/2016 Calibration Time(s): 14:40 16:49

LAB FILE ID

CAL1 = 111416.B\11141627.D CAL2 = 111416.B\11141626.D CAL3 = 111416.B\11141625.D
 CAL4 = 111416.B\11141624.D CAL5 = 111416.B\11141623.D CAL6 = 111416.B\11141622.D
 CAL7 = 111416.B\11141621.D

COMPOUND	CURVE TYPE	CAL7	%RSD	R2	A1	A2	A3
1,4-Dioxane (p-Dioxane)	Averaged	0.59381	3.80011			0.62809	
2-Fluorobiphenyl (S)	Averaged	1.24651	10.15184			1.39691	
Nitrobenzene-d5 (S)	Averaged	0.38211	5.20380			0.39259	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

9169916ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 11/14/2016 Time: 17:11

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 11/14/2016 11/14/2016

Lab File ID: 111416.B\11141628.D

Init. Calib. Time(s): 14:40 21:53

SDG No.: 40143284

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.62809	0.63819	0.0500	1.6081	50.0000
2-Fluorobiphenyl (S)	Averaged	1.39691	1.44027	0.0500	3.1042	50.0000
Nitrobenzene-d5 (S)	Averaged	0.39259	0.39872	0.0500	1.5606	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

9289841CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 12/14/2016 Time: 09:13

Instrument ID: 40MSS8 GC Column: Col 1

Init. Calib. Date(s): 11/14/2016 11/14/2016

Lab File ID: 121416.B\12141605.D

Init. Calib. Time(s): 14:40 21:53

SDG No.: 40143284

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,4-Dioxane (p-Dioxane)	Averaged	0.62809	0.72634	0.0500	15.6441	50.0000
2-Fluorobiphenyl (S)	Averaged	1.39691	1.52541	0.0500	9.1989	50.0000
Nitrobenzene-d5 (S)	Averaged	0.39259	0.43875	0.0500	11.7571	50.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9289841CCV Date Analyzed: 12/14/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 09:13
 Lab File ID: 121416.B\12141605.D

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		109685	6.222	237036	10.092	44836	3.816	170673	4.804
UPPER LIMIT		219370	6.722	474072	10.592	89672	4.316	341346	5.304
LOWER LIMIT		54842.5	5.722	118518	9.592	22418	3.316	85336.5	4.304
LAB SAMPLE ID	SAMPLE NO.								
1445791	1445791BLANK	65195	6.222			29843	3.816	118494	4.804
1445792	1445792LCS	53677*	6.222			22426	3.816	94713	4.798
1445793	1445793LCSD	59389	6.222			26722	3.816	109215	4.798
40143284004	RW-3C	89389	6.222			40763	3.816	153977	4.804
40143284009	RW-16	76355	6.222			34154	3.816	135846	4.804
40143284010	MW-52B	76426	6.222			35625	3.816	128853	4.804

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9289841CCV Date Analyzed: 12/14/2016
 Instrument ID: 40MSS8 GC Column: Col 1 Time Analyzed: 09:13
 Lab File ID: 121416.B\12141605.D

	AREA PHN	RT	AREA PYL	RT
12 HOUR STD	212832	7.445	231269	12.592
UPPER LIMIT	425664	7.945	462538	13.092
LOWER LIMIT	106416	6.945	115634.5	12.092
LAB SAMPLE ID	SAMPLE NO.			

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-3C

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/09/2016 09:55 Matrix: Water SDG No.: 40143284
Date Extracted: 12/14/2016 07:29 Lab Sample ID: 40143284004
Date Analyzed: 12/14/2016 18:47 Lab File ID: 121416.B\12141632.D
Initial wt/vol: 1050 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RW-16

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/09/2016 09:55 Matrix: Water SDG No.: 40143284
Date Extracted: 12/14/2016 07:29 Lab Sample ID: 40143284009
Date Analyzed: 12/14/2016 19:08 Lab File ID: 121416.B\12141633.D
Initial wt/vol: 1060 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-52B

Lab Name: Pace Analytical - Green Bay Contract: 34283.000 NATIONAL PRESTO IND
Date Received: 12/09/2016 09:55 Matrix: Water SDG No.: 40143284
Date Extracted: 12/14/2016 07:29 Lab Sample ID: 40143284010
Date Analyzed: 12/14/2016 19:29 Lab File ID: 121416.B\12141634.D
Initial wt/vol: 1060 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<2.8	U

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: _____
Date Extracted: 12/14/2016 07:29
Date Analyzed: 12/14/2016 17:43
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143284
Lab Sample ID: 1445791
Lab File ID: 121416.B\12141629.D
Instrument: 40MSS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
123-91-1	1,4-Dioxane (p-Dioxane)	<3.0	U

MSSV SIM - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSS7

LAB SAMPLE ID	SAMPLE NAME	2FBP	TD14
1445810	1445810BLANK	69	119
1445811	1445811LCS	72	122
1445812	1445812MS	69	94
1445813	1445813MSD	60	91
40143284011	MH-18	70	108

QC LIMITS

(25-130)

(13-158)

(2FBP) = 2-Fluorobiphenyl (S)

(TD14) = Terphenyl-d14 (S)

* Values outside of QC Limits

MSSV SIM - FORM III SVOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay
 Date Extracted: 12/14/2016
 Instrument: 40MSS7
 Lab File ID: 121416.B\12141609.D

Lab Sample ID: 1445811LCS
 Date Analyzed (1): 12/14/2016
 LCS Lot No: 139890
 SDG No.: 40143284

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acenaphthene	2.0	1.4	69	41-130
Acenaphthylene	2.0	1.2	61	41-130
Anthracene	2.0	1.8	91	38-130
Benzo(a)anthracene	2.0	1.6	79	49-130
Benzo(a)pyrene	2.0	1.8	89	69-143
Benzo(b)fluoranthene	2.0	2.2	111	63-146
Benzo(g,h,i)perylene	2.0	1.0	50	10-145
Benzo(k)fluoranthene	2.0	2.2	108	64-152
Chrysene	2.0	2.4	118	64-156
Dibenz(a,h)anthracene	2.0	0.80	40	10-143
Fluoranthene	2.0	2.0	101	54-134
Fluorene	2.0	1.4	72	44-130
Indeno(1,2,3-cd)pyrene	2.0	1.6	79	39-140
1-Methylnaphthalene	2.0	1.2	62	35-130
2-Methylnaphthalene	2.0	1.3	65	36-130
Naphthalene	2.0	1.3	63	35-130
Phenanthrene	2.0	2.0	99	51-130
Pyrene	2.0	2.0	98	61-140

Spike Recovery: 0 out of 18 outside limits.

12/28/2016 9:00

MSSV SIM - FORM III SVOA-1

WATER SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green BayMatrix Spike - Sample No: 1445812MSDate Extracted: 12/14/2016Date Analyzed (1): 12/14/2016Instrument: 40MSS7Lab File ID: 121416.B\12141620.DParent Sample ID: MH-18SDG No.: 40143284

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1-Methylnaphthalene	2.0	0.012J	1.3	62	16-130
2-Methylnaphthalene	2.0	0.0074J	1.3	63	33-130
Acenaphthene	2.0	0.040	1.4	66	29-130
Acenaphthylene	2.0	<0.0050	1.1	56	33-130
Anthracene	2.0	<0.010	1.4	70	26-130
Benzo(a)anthracene	2.0	<0.0076	1.4	70	27-130
Benzo(a)pyrene	2.0	<0.011	1.2	60	16-151
Benzo(b)fluoranthene	2.0	<0.0057	1.4	71	30-142
Benzo(g,h,i)perylene	2.0	<0.0068	0.56	28	10-130
Benzo(k)fluoranthene	2.0	<0.0076	1.2	60	24-152
Chrysene	2.0	<0.013	1.7	87	40-152
Dibenz(a,h)anthracene	2.0	<0.010	0.49	24	10-130
Fluoranthene	2.0	<0.011	1.5	75	39-140
Fluorene	2.0	0.018J	1.4	68	35-130
Indeno(1,2,3-cd)pyrene	2.0	<0.018	0.75	37	10-130
Naphthalene	2.0	<0.018	1.2	61	29-130
Phenanthrene	2.0	<0.014	1.6	78	48-130
Pyrene	2.0	<0.0076	1.7	86	42-143

Spike Recovery: 0 out of 18 outside limits.

12/28/2016 8:59

MSSV SIM - FORM III SVOA-2
WATER SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 40MSS7 Matrix Spike Duplicate - Sample No: 1445813MSD
 Lab File ID (2): 121416.B\12141621.D Date Analyzed (2): 12/14/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1-Methylnaphthalene	2.0	1.1	56	10	0-30	16-130
2-Methylnaphthalene	2.0	1.2	60	5	0-30	33-130
Acenaphthene	2.0	1.2	57	14	0-27	29-130
Acenaphthylene	2.0	1.0	50	12	0-27	33-130
Anthracene	2.0	1.1	55	24	0-31	26-130
Benzo(a)anthracene	2.0	1.3	65	8	0-36	27-130
Benzo(a)pyrene	2.0	1.1	57	5	0-44	16-151
Benzo(b)fluoranthene	2.0	1.4	72	1	0-41	30-142
Benzo(g,h,i)perylene	2.0	0.53	27	4	0-50	10-130
Benzo(k)fluoranthene	2.0	1.2	60	0	0-41	24-152
Chrysene	2.0	1.7	83	5	0-33	40-152
Dibenz(a,h)anthracene	2.0	0.46	23	6	0-50	10-130
Fluoranthene	2.0	1.4	70	8	0-30	39-140
Fluorene	2.0	1.2	58	16	0-26	35-130
Indeno(1,2,3-cd)pyrene	2.0	0.66	33	12	0-50	10-130
Naphthalene	2.0	1.2	59	3	0-31	29-130
Phenanthrene	2.0	1.3	66	16	0-25	48-130
Pyrene	2.0	1.5	77	11	0-25	42-143

RPD: 0 out of 18 outside limits.

Spike Recovery: 0 out of 18 outside limits.

12/28/2016 8:59

MSSV SIM - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1445810BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO

Instrument ID: 40MSS7 Matrix: Water Lab Sample ID: 1445810

Lab File ID: 121416.B\12141608.D Date Analyzed: 12/14/2016 Time: 11:36

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1445811LCS	1445811	121416.B\12141609.D	12/14/2016 11:52
MH-18	40143284011	121416.B\12141619.D	12/14/2016 14:35
1445812MS	1445812	121416.B\12141620.D	12/14/2016 14:51
1445813MSD	1445813	121416.B\12141621.D	12/14/2016 15:08

MSSV SIM - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 121216.B\12121602C.D DFTPP Injection Date: 12/12/2016
 Instrument ID: 40MSS7 DFTPP Injection Time: 11:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	44.25
68	Less than 2.00% of mass 69	0.43 (1.02) ¹
69	Mass 69 relative abundance	42.55
70	Less than 2.00% of mass 69	0.19 (0.45) ¹
127	10.00 - 80.00% of mass 198	47.83
197	Less than 2.00% of mass 198	0.25
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.86
275	10.00 - 60.00% of mass 198	24.65
365	Greater than 1.00% of mass 198	2.69
441	Present, but less than mass 443	12.46
442	50.00 - 999999.99% of mass 198	80.53
443	15.00 - 24.00% of mass 442	16.20 (20.12) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9278048CAL8	9278048CAL8	121216.B\12121611.D	12/12/2016	12:37
9278044CAL7	9278044CAL7	121216.B\12121612.D	12/12/2016	12:53
9278043CAL6	9278043CAL6	121216.B\12121613.D	12/12/2016	13:11
9278045CAL5	9278045CAL5	121216.B\12121614.D	12/12/2016	13:28
9278049CAL4	9278049CAL4	121216.B\12121615.D	12/12/2016	13:44
9278050CAL3	9278050CAL3	121216.B\12121616.D	12/12/2016	14:00
9278042CAL2	9278042CAL2	121216.B\12121617.D	12/12/2016	14:17
9278046CAL1	9278046CAL1	121216.B\12121618.D	12/12/2016	14:33
9278047ICV	9278047ICV	121216.B\12121619.D	12/12/2016	14:49

MSSV SIM - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO
 Lab File ID: 121416.B\12141602.D DFTPP Injection Date: 12/14/2016
 Instrument ID: 40MSS7 DFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.00 - 80.00% of mass 198	44.53
68	Less than 2.00% of mass 69	0.68 (1.60) ¹
69	Mass 69 relative abundance	42.11
70	Less than 2.00% of mass 69	0.24 (0.58) ¹
127	10.00 - 80.00% of mass 198	47.80
197	Less than 2.00% of mass 198	0.10
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	7.04
275	10.00 - 60.00% of mass 198	25.27
365	Greater than 1.00% of mass 198	3.01
441	Present, but less than mass 443	13.00
442	50.00 - 999999.99% of mass 198	81.62
443	15.00 - 24.00% of mass 442	16.18 (19.82) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
9289962CCV	9289962CCV	121416.B\12141603.D	12/14/2016	10:02
1445810BLANK	1445810BLANK	121416.B\12141608.D	12/14/2016	11:36
1445811LCS	1445811LCS	121416.B\12141609.D	12/14/2016	11:52
MH-18	40143284011	121416.B\12141619.D	12/14/2016	14:35
1445812MS	1445812MS	121416.B\12141620.D	12/14/2016	14:51
1445813MSD	1445813MSD	121416.B\12141621.D	12/14/2016	15:08

MSSV SIM - FORM VI SVOA-1
MSSV SIM INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS7 GC Column: Col 1 SDG No.: 40143284
 Calibration Date(s): 12/12/2016 12/12/2016 Calibration Time(s): 12:37 14:33

LAB FILE ID

CAL1 = 121216.B\12121618.D CAL2 = 121216.B\12121617.D CAL3 = 121216.B\12121616.D
 CAL4 = 121216.B\12121615.D CAL5 = 121216.B\12121614.D CAL6 = 121216.B\12121613.D
 CAL7 = 121216.B\12121612.D CAL8 = 121216.B\12121611.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acenaphthene	Averaged	1.30197	1.28585	1.24313	1.22291	1.26223	1.28179
Acenaphthylene	Averaged	2.10104	1.93937	1.72953	1.71976	1.77174	1.95047
Anthracene	Averaged	0.91992	1.01370	0.90581	0.91992	0.98321	1.07770
Benzo(a)anthracene	Averaged	1.12755	1.09424	0.99112	0.98168	1.08125	1.14372
Benzo(a)pyrene	Averaged	1.17516	1.07354	0.95600	0.97065	1.13385	1.27224
Benzo(b)fluoranthene	Averaged	1.31444	1.15752	1.19343	1.26550	1.31411	1.33755
Benzo(g,h,i)perylene	Averaged	1.35449	1.24012	1.28715	1.33181	1.31303	1.32873
Benzo(k)fluoranthene	Averaged	1.50160	1.40319	1.38536	1.44738	1.46363	1.52358
Chrysene	Averaged	1.33989	1.24627	1.21312	1.14652	1.22807	1.21929
Dibenz(a,h)anthracene	Averaged	1.15601	1.04621	1.12245	1.19436	1.22364	1.26043
Fluoranthene	Averaged	1.47588	1.34573	1.28778	1.27365	1.32481	1.36623
Fluorene	Averaged	1.71384	1.54926	1.46748	1.47372	1.53891	1.58707
Indeno(1,2,3-cd)pyrene	Averaged	1.58778	1.34165	1.43309	1.44196	1.48159	1.53176
1-Methylnaphthalene	Averaged	0.68677	0.65618	0.65470	0.63984	0.68605	0.69866
2-Methylnaphthalene	Averaged	0.69712	0.68177	0.67123	0.66809	0.71096	0.71740
Naphthalene	Averaged	1.09337	1.04481	1.02503	0.99525	1.03431	1.02964
Phenanthrene	Averaged	1.26981	1.21885	1.12320	1.10818	1.16464	1.19001
Pyrene	Averaged	1.65434	1.37668	1.30949	1.26593	1.32421	1.32834
2-Fluorobiphenyl (S)	Averaged	1.76167	1.58978	1.42817	1.53402	1.56582	1.57825
Terphenyl-d14 (S)	Averaged	0.80423	0.77770	0.74609	0.73232	0.76356	0.76103

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSSV SIM - FORM VI SVOA-2
MSSV SIM INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS7 GC Column: Col 1 SDG No.: 40143284
 Calibration Date(s): 12/12/2016 12/12/2016 Calibration Time(s): 12:37 14:33

LAB FILE ID

CAL1 = 121216.B\12121618.D CAL2 = 121216.B\12121617.D CAL3 = 121216.B\12121616.D
 CAL4 = 121216.B\12121615.D CAL5 = 121216.B\12121614.D CAL6 = 121216.B\12121613.D
 CAL7 = 121216.B\12121612.D CAL8 = 121216.B\12121611.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acenaphthene	Averaged	1.28451	1.38239
Acenaphthylene	Averaged	2.04241	2.22764
Anthracene	Averaged	1.14921	1.25501
Benzo(a)anthracene	Averaged	1.17032	1.25665
Benzo(a)pyrene	Averaged	1.25241	1.34278
Benzo(b)fluoranthene	Averaged	1.33384	1.34995
Benzo(g,h,i)perylene	Averaged	1.35210	1.38802
Benzo(k)fluoranthene	Averaged	1.47745	1.49156
Chrysene	Averaged	1.21104	1.26322
Dibenz(a,h)anthracene	Averaged	1.25888	1.32108
Fluoranthene	Averaged	1.35925	1.44928
Fluorene	Averaged	1.59296	1.72331
Indeno(1,2,3-cd)pyrene	Averaged	1.53189	1.60941
1-Methylnaphthalene	Averaged	0.69829	0.75961
2-Methylnaphthalene	Averaged	0.71529	0.78610
Naphthalene	Averaged	1.02338	1.12131
Phenanthrene	Averaged	1.20021	1.27009
Pyrene	Averaged	1.32801	1.39797
2-Fluorobiphenyl (S)	Averaged	1.58541	1.67099
Terphenyl-d14 (S)	Averaged	0.74759	0.80467

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSSV SIM - FORM VI SVOA-3
MSSV SIM INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Green Bay Instrument ID: 40MSS7 GC Column: Col 1 SDG No.: 40143284
 Calibration Date(s): 12/12/2016 12/12/2016 Calibration Time(s): 12:37 14:33

LAB FILE ID

CAL1 = 121216.B\12121618.D CAL2 = 121216.B\12121617.D CAL3 = 121216.B\12121616.D
 CAL4 = 121216.B\12121615.D CAL5 = 121216.B\12121614.D CAL6 = 121216.B\12121613.D
 CAL7 = 121216.B\12121612.D CAL8 = 121216.B\12121611.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acenaphthene	Averaged	3.71230			1.28310	
Acenaphthylene	Averaged	9.57203			1.93524	
Anthracene	Averaged	12.14905			1.02806	
Benzo(a)anthracene	Averaged	8.24029			1.10582	
Benzo(a)pyrene	Averaged	12.28778			1.14708	
Benzo(b)fluoranthene	Averaged	5.59410			1.28329	
Benzo(g,h,i)perylene	Averaged	3.42621			1.32443	
Benzo(k)fluoranthene	Averaged	3.27296			1.46172	
Chrysene	Averaged	4.44937			1.23343	
Dibenz(a,h)anthracene	Averaged	7.32777			1.19788	
Fluoranthene	Averaged	5.23880			1.36033	
Fluorene	Averaged	6.10766			1.58082	
Indeno(1,2,3-cd)pyrene	Averaged	5.91607			1.49489	
1-Methylnaphthalene	Averaged	5.44057			0.68501	
2-Methylnaphthalene	Averaged	5.34519			0.70600	
Naphthalene	Averaged	3.93352			1.04589	
Phenanthrene	Averaged	5.05299			1.19312	
Pyrene	Averaged	8.77743			1.37312	
2-Fluorobiphenyl (S)	Averaged	6.11401			1.58926	
Terphenyl-d14 (S)	Averaged	3.47815			0.76715	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSSV SIM - FORM VII SVOA-1
MSSV SIM INITIAL CALIBRATION DATA

SAMPLE NO.

9278047ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 12/12/2016 Time: 14:49

Instrument ID: 40MSS7 GC Column: Col 1

Init. Calib. Date(s): 12/12/2016 12/12/2016

Lab File ID: 121216.B\12121619.D

Init. Calib. Time(s): 12:37 14:33

SDG No.: 40143284

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.28310	1.40395	0.9000	9.4185	20.0000
Acenaphthylene	Averaged	1.93524	2.07113	0.9000	7.0216	20.0000
Anthracene	Averaged	1.02806	1.21525	0.7000	18.2083	20.0000
Benzo(a)anthracene	Averaged	1.10582	1.16466	0.8000	5.3216	20.0000
Benzo(a)pyrene	Averaged	1.14708	1.37494	0.7000	19.8644	20.0000
Benzo(b)fluoranthene	Averaged	1.28329	1.41077	0.7000	9.9333	20.0000
Benzo(g,h,i)perylene	Averaged	1.32443	1.51251	0.5000	14.2010	20.0000
Benzo(k)fluoranthene	Averaged	1.46172	1.60159	0.7000	9.5693	20.0000
Chrysene	Averaged	1.23343	1.45833	0.7000	18.2335	20.0000
Dibenz(a,h)anthracene	Averaged	1.19788	1.41985	0.4000	18.5303	20.0000
Fluoranthene	Averaged	1.36033	1.48477	0.6000	9.1480	20.0000
Fluorene	Averaged	1.58082	1.68139	0.9000	6.3616	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.49489	1.73581	0.5000	16.1161	20.0000
1-Methylnaphthalene	Averaged	0.68501	0.73885	0.0500	7.8593	20.0000
2-Methylnaphthalene	Averaged	0.70600	0.77358	0.4000	9.5729	20.0000
Naphthalene	Averaged	1.04589	1.12963	0.7000	8.0068	20.0000
Phenanthrene	Averaged	1.19312	1.33928	0.7000	12.2498	20.0000
Pyrene	Averaged	1.37312	1.57436	0.6000	14.6557	20.0000
2-Fluorobiphenyl (S)	Averaged	1.58926	1.71277	0.0500	7.7715	20.0000
Terphenyl-d14 (S)	Averaged	0.76715	0.83822	0.0500	9.2639	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSSV SIM - FORM VII SVOA-1
MSSV SIM CONTINUING CALIBRATION DATA

SAMPLE NO.

9289962CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 12/14/2016 Time: 10:02

Instrument ID: 40MSS7 GC Column: Col 1

Init. Calib. Date(s): 12/12/2016 12/12/2016

Lab File ID: 121416.B\12141603.D

Init. Calib. Time(s): 12:37 14:33

SDG No.: 40143284

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.28310	1.25799	0.9000	-1.9567	20.0000
Acenaphthylene	Averaged	1.93524	1.82003	0.9000	-5.9533	20.0000
Anthracene	Averaged	1.02806	1.02238	0.7000	-0.5524	20.0000
Benzo(a)anthracene	Averaged	1.10582	1.06628	0.8000	-3.5753	20.0000
Benzo(a)pyrene	Averaged	1.14708	1.13623	0.7000	-0.9456	20.0000
Benzo(b)fluoranthene	Averaged	1.28329	1.34415	0.7000	4.7426	20.0000
Benzo(g,h,i)perylene	Averaged	1.32443	1.41531	0.5000	6.8620	20.0000
Benzo(k)fluoranthene	Averaged	1.46172	1.51209	0.7000	3.4461	20.0000
Chrysene	Averaged	1.23343	1.24763	0.7000	1.1512	20.0000
Dibenz(a,h)anthracene	Averaged	1.19788	1.29039	0.4000	7.7223	20.0000
Fluoranthene	Averaged	1.36033	1.25638	0.6000	-7.6411	20.0000
Fluorene	Averaged	1.58082	1.48945	0.9000	-5.7800	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.49489	1.59773	0.5000	6.8795	20.0000
1-Methylnaphthalene	Averaged	0.68501	0.66406	0.0500	-3.0583	20.0000
2-Methylnaphthalene	Averaged	0.70600	0.69269	0.4000	-1.8855	20.0000
Naphthalene	Averaged	1.04589	1.03006	0.7000	-1.5137	20.0000
Phenanthrene	Averaged	1.19312	1.17158	0.7000	-1.8051	20.0000
Pyrene	Averaged	1.37312	1.34361	0.6000	-2.1489	20.0000
2-Fluorobiphenyl (S)	Averaged	1.58926	1.58457	0.0500	-0.2957	20.0000
Terphenyl-d14 (S)	Averaged	0.76715	0.77301	0.0500	0.7641	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

12/28/2016 9:00

MSSV SIM - FORM VIII SVOA-1
MSSV SIM INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9289962CCV Date Analyzed: 12/14/2016
 Instrument ID: 40MSS7 GC Column: Col 1 Time Analyzed: 10:02
 Lab File ID: 121416.B\12141603.D

		AREA ANT	RT	AREA CRY	RT	AREA NPT	RT	AREA PHN	RT
12 HOUR STD		31656	4.377	61633	9.139	64813	2.487	60320	5.99
UPPER LIMIT		63312	4.877	123266	9.639	129626	2.987	120640	6.49
LOWER LIMIT		15828	3.877	30816.5	8.639	32406.5	1.987	30160	5.49
LAB SAMPLE ID	SAMPLE NO.								
1445810	1445810BLANK	21116	4.377	34878	9.145	43620	2.485	31198	5.993
1445811	1445811LCS	21353	4.373	38044	9.139	43373	2.485	34657	5.987
1445812	1445812MS	22832	4.373	41543	9.136	45076	2.487	43903	5.987
1445813	1445813MSD	24505	4.372	44324	9.139	48641	2.485	46670	5.987
40143284011	MH-18	22967	4.373	38758	9.142	45894	2.487	43313	5.987

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

NPT = Naphthalene-d8 (IS)

PHN = Phenanthrene-d10 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV SIM - FORM VIII SVOA-1
MSSV SIM INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Green Bay SDG No.: 40143284 Contract: 34283.000 NATIONAL PRESTO IND
 Sample ID : 9289962CCV Date Analyzed: 12/14/2016
 Instrument ID: 40MSS7 GC Column: Col 1 Time Analyzed: 10:02
 Lab File ID: 121416.B\12141603.D

		AREA PYL	RT
12 HOUR STD		52895	10.768
UPPER LIMIT		105790	11.268
LOWER LIMIT		26447.5	10.268
LAB SAMPLE ID	SAMPLE NO.		
1445810	1445810BLANK	25972*	10.768
1445811	1445811LCS	29641	10.765
1445812	1445812MS	34749	10.765
1445813	1445813MSD	37513	10.765
40143284011	MH-18	38812	10.765

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV SIM - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MH-18

Lab Name: Pace Analytical - Green Bay
Date Received: 12/09/2016 09:55
Date Extracted: 12/14/2016 08:18
Date Analyzed: 12/14/2016 14:35
Initial wt/vol: 100 mL Final wt/vol: 1 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143284
Lab Sample ID: 40143284011
Lab File ID: 121416.B\12141619.D
Instrument: 40MSS7 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	0.040	
208-96-8	Acenaphthylene	<0.0050	U
120-12-7	Anthracene	<0.010	U
56-55-3	Benzo(a)anthracene	<0.0076	U
50-32-8	Benzo(a)pyrene	<0.011	U
205-99-2	Benzo(b)fluoranthene	<0.0057	U
191-24-2	Benzo(g,h,i)perylene	<0.0068	U
207-08-9	Benzo(k)fluoranthene	<0.0076	U
218-01-9	Chrysene	<0.013	U
53-70-3	Dibenz(a,h)anthracene	<0.010	U
206-44-0	Fluoranthene	<0.011	U
86-73-7	Fluorene	0.018	J
193-39-5	Indeno(1,2,3-cd)pyrene	<0.018	U
90-12-0	1-Methylnaphthalene	0.012	J
91-57-6	2-Methylnaphthalene	0.0074	J
91-20-3	Naphthalene	<0.018	U
85-01-8	Phenanthrene	<0.014	U
129-00-0	Pyrene	<0.0076	U

12/28/2016 9:00

MSSV SIM - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: _____
Date Extracted: 12/14/2016 08:18
Date Analyzed: 12/14/2016 11:36
Initial wt/vol: 100 mL Final wt/vol: 1 mL Dilution: 1

Contract: 34283.000 NATIONAL PRESTO IND
Matrix: Water SDG No.: 40143284
Lab Sample ID: 1445810
Lab File ID: 121416.B\12141608.D
Instrument: 40MSS7 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	<0.0061	U
208-96-8	Acenaphthylene	<0.0050	U
120-12-7	Anthracene	<0.010	U
56-55-3	Benzo(a)anthracene	<0.0076	U
50-32-8	Benzo(a)pyrene	<0.011	U
205-99-2	Benzo(b)fluoranthene	<0.0057	U
191-24-2	Benzo(g,h,i)perylene	<0.0068	U
207-08-9	Benzo(k)fluoranthene	<0.0076	U
218-01-9	Chrysene	<0.013	U
53-70-3	Dibenz(a,h)anthracene	<0.010	U
206-44-0	Fluoranthene	<0.011	U
86-73-7	Fluorene	<0.0080	U
193-39-5	Indeno(1,2,3-cd)pyrene	<0.018	U
90-12-0	1-Methylnaphthalene	<0.0059	U
91-57-6	2-Methylnaphthalene	<0.0049	U
91-20-3	Naphthalene	<0.018	U
85-01-8	Phenanthrene	<0.014	U
129-00-0	Pyrene	<0.0076	U

12/28/2016 9:00



RECEIVED
GANNETT FLEMING-MADISON, WI
FILE NO: 34283.000
OCT 10 2016
REVIEWED BY: _____ *djo*
DATE: 10/11/16
ROUTE TO: _____

TECHNICAL MEMORANDUM

DATE: October 5, 2016

TO: Derrick Paul
National Presto Industries, Inc.

FROM: Marcia A. Kuehl
President/Owner, MAKuehl Company *Marcia Kuehl*

SUBJECT: Data Validation for National Presto Industries, Inc.
Interim Remedial Action Project
August 2016 Quarterly Groundwater Sampling Event
Project #: 34283

1.0 OVERVIEW

Analytical results (8260/524.2 volatiles, 1,4-dioxane, dissolved cadmium) for the samples listed in Table 1, collected by Gannett Fleming, Inc. from the interim remedial action at National Presto Industries, Inc. from August 29-31, 2016 have been evaluated using the EPA guidance documents "National Functional Guidelines for Organic Data Review", dated October 1999, EPA-540/R-99/008, the EPA Region V "Standard Operating Procedure for Validation of CLP Organic Data, April, 1991, Revised August 25, 1993", the "National Functional Guidelines for Inorganic Data Review", dated February 1994, EPA-540/R-94/013 and the EPA Region V "Standard Operating Procedure for Validation of CLP Inorganic Data, September 1993". The project data quality objective was assumed to be that data were to be usable for the purposes of assessing the interim remedial action for the site groundwater. The review was based on the Level IV data packages supplied by the analytical laboratory, Pace Analytical, located in Green Bay, Wisconsin and Minneapolis, Minnesota.

DQO Attainment

All volatile organic data was usable as reported without qualification.

All dissolved cadmium data was usable as reported without qualification.

All 1,4-dioxane data was usable as reported without qualification.

Values qualified with a J code by the laboratory are those that are above the LOD, but less

than the LOQ. The validated data sheets are attached.

2.0 DISSOLVED CADMIUM DATA

Pace utilized EPA method 6010 for dissolved metals analysis. No significant deviations from this method that affected data quality were evident from the documentation supplied. No action was needed to qualify sample data.

2.1 Completeness Assessment

The metals analyses included a summary of the lab blank, calibration check standards, initial calibration curve coefficient and MS/MSD results. The raw data for the samples was also received. The required method 6010 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed. No action was needed to qualify sample data.

No custody seals were present on the sample coolers and the chain-of-custody documentation was therefore not complete. However as no indication of cooler opening during transit was apparent, no action was taken to qualify sample data.

2.2 Compliance Assessment

2.2.1 Holding Time/Preservation

All samples were analyzed within the 6 month holding time for metals. Verification of sample pH upon receipt/analysis indicated that all samples were adequately preserved to pH < 2. Sample temperature upon receipt by the lab was acceptable. No action was needed to qualify cadmium sample data.

2.2.2 Calibration

The initial calibration curve coefficients were acceptable (> 0.995). Initial, continuing and final check standard recoveries were within the 90-110 % limits. No action was needed to qualify sample data.

2.2.3 Laboratory Blanks

No cadmium was reported in the initial or continuing calibration blanks analyzed with the project samples. No action was needed to qualify sample data.

2.2.4 MS/MSD Sample Recovery and RPD

Recoveries and the RPD values for metals in the sample analyzed as the MS/MSD (MW-10A) were within data validation and Pace limits. No action was needed to qualify sample data.

2.2.5 Serial Dilution

Serial dilution percent difference was less than the 10 % limit for the serial dilution samples analyzed. No action was needed to qualify sample data.

2.3 Field QC Results

No field blanks or field duplicates were collected and analyzed for dissolved cadmium with the project samples. No action was needed to qualify sample data.

2.4 Data Usability

All dissolved cadmium data as reported by Pace was acceptable for use in the investigation.

3.0 VOLATILE ORGANICS DATA BY METHODS 8260B/524.2

Pace utilized EPA methods 8260B and 524.2 for project sample analysis as indicated in Table 1. No significant deviations from these reference methods affecting data quality were evident from the documentation received and reviewed. No action was needed to qualify sample data.

3.1 Completeness Assessment

The required method 8260 and 524.2 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed.

No custody seals were present on the sample coolers for 8260/524.2 analysis and the chain-of-custody documentation was therefore not complete. However as no indication of cooler opening during transit was apparent, no action was taken to qualify sample data.

One sample labeling gap was noted: one volatile vial for sample MW-70A did not have a collection date indicated. This discrepancy did not affect data validation, but the data user should be aware of this sample collection documentation error.

3.2 Compliance Assessment

3.2.1 Holding Times/Preservation

All samples were analyzed within the 14 day holding time. Verification of sample pH upon analysis indicated that all samples were adequately preserved at a pH of < 2. No action was needed to qualify sample data.

Sample temperature upon receipt by the lab was acceptable as all were received at 2-6°C

or "on ice". No action was needed to qualify sample data.

3.2.2 Initial Calibration and Tuning

BFB tuning results met method 8260 and 524.2 criteria as appropriate. No action was needed to qualify sample data.

A seven point initial calibration curve ranging from 0.2-250 ug/L was analyzed on 8/19/16 for method 8260. The 15 percent rsd limit required by method 8260 was met for all reported compounds. Response factors for all reported volatile organic compounds met the EPA method data validation criteria of > 0.10. No action was needed to qualify sample data.

Seven point initial calibration curves for method 524.2 ranging from 0.2 to 250 ug/L were analyzed on 3/15/16 and 6/13/16. All rsd values for the reported volatile organics were less than the 20 % limit required for method 524.2. No action was needed to qualify sample data.

3.2.3 Continuing Calibration

A 20 ug/L continuing calibration standard (CCAL) was analyzed according to methods 8260B and 524.2 every 12 hours. Method System Performance Check Compound response factor for 1,1-dichloroethane met the EPA method data validation criteria of > 0.10. All reported analytes met the method 8260B limits of < 20 % difference and the 524.2 limits of < 30 % difference. All response factors of reported compounds met data validation criteria. No action was needed to qualify sample data.

3.2.4 Laboratory Blanks

No detectable volatile organics above the LOD were present in the lab blanks analyzed with the project samples. No action was needed to qualify sample data.

3.2.5 Surrogate Recoveries

All surrogate recoveries were within Pace limits of 70 - 130 % (8260) and 75 - 125 % (524.2). No action was needed to qualify sample data.

3.2.6 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

Project samples used for method 8260 analyses MS/MSD were EC-1, MW-76A and two non-project samples. All recovery (70 - 131, 134, 136, 148 %) and Relative Percent Difference (RPD) (< 20 %) limits established by Pace were met for all reported compounds. No action was needed to qualify sample data.

A non-project sample was used as a lab duplicate and matrix spike sample for 524.2 analyses. All recoveries were within Pace's limit of 70 - 130 % and all RPD values were less

than Pace's 20 % RPD limit.

3.2.7 Laboratory Control Standard/Laboratory Control Standard Duplicate

LCS/LCSD samples at 20 ug/L were analyzed with every batch of 20 or less project samples and all recoveries were within Pace's limits of 70 - 130 or 131, 133, 138 % and < 20 % RPD. No action was needed to qualify sample data.

3.2.8 Internal Standards

Internal standard areas for quantitation ions in project samples were within the method 8260 and 524.2 limits of - 50 % to + 100 %. No action was needed to qualify sample data.

3.3 Field QC Results

Trip blanks collected with the project samples did not contain any target detectable volatile organics above the LOD. No action was needed to qualify sample data.

Field duplicates were collected for MW-4B, MW-34B and MW-68A. The calculated Relative Percent Difference (RPD) for the detected volatile organics between the sample and its field duplicate were as follows:

Sample ID	MW-4B	MW-4B DUP	RPD
trichloroethene	0.38 ug/L	0.40 ug/L	5 %

The RPD values were within the U.S. EPA Region V limit of a factor of five (133 % RPD) for detected trichloroethene. No action taken was needed to qualify sample data.

3.4 Data Usability

All volatile organic data was useable as reported without additional qualification.

4.0 1,4-DIOXANE

Pace utilized EPA method 3510C and 8270C for the determination of 1,4-dioxane. No deviations from these reference methods were apparent from the data reviewed. No action was needed to qualify sample data.

4.1 Completeness Assessment

The required method 8270 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were

analyzed.

No custody seals were present on the sample coolers for 8270 analysis and the chain-of-custody documentation was therefore not complete. However as no indication of cooler opening during transit was apparent, no action was taken to qualify sample data.

4.2 Compliance Assessment

4.2.1 Holding Times/Preservation

All samples were analyzed within the 7 day holding time. All samples were received within the acceptable 2-6 °C range. No action was needed to qualify sample data.

4.2.2 Initial Calibration/Tuning

All DFTPP tuning criteria and frequency for analysis were met each day samples were analyzed. No action was needed to qualify sample data.

Seven point calibration curves were analyzed on 3/5/16 and 6/13/16. The allowable 30 % relative standard deviation (rsd) EPA data validation criteria for initial calibration or the linear calibration curve coefficient was > 0.990 was met for 1,4-dioxane. The minimum Relative Response Factor (RRF) of > 0.05 used by EPA Region V and the QAPP for data validation as proof of acceptable system response was met for 1,4-dioxane. No action was needed to qualify sample data.

4.2.3 Continuing Calibration

All continuing calibration standards analyzed with the project samples were within the EPA Region V limit of < 30 % difference and $RRF > 0.05$. No action was needed to qualify sample data.

4.2.4 Laboratory Blanks

No 1,4-dioxane was reported above the Method Detection Limit (MDL) in the lab blanks analyzed with the project samples. No action was needed to qualify sample data.

4.2.5 Surrogate Recoveries

Recovery of the semivolatile surrogates in all project samples were within Pace and method limits in all project samples. No action was needed to qualify sample data.

4.2.6 Matrix Spike/Matrix Spike Duplicates (MS/MSD)

Insufficient sample volume was provided for MS/MSD analysis of project samples. No action was taken to qualify sample data.

2.2.7 Laboratory Control Standard (LCS)/Lab Control Standard Duplicate (LCSD)

The LCS and LCSD standard analyzed for 1,4-dioxane does not include 1,4-dioxane as an analyte. No action was taken to qualify sample data.

2.2.8 Internal Standards

Internal standard area of the nearest internal standard used to quantify 1,4-dioxane (d_4 -1,4-dichlorobenzene) in all samples were within the limits of +50 % to -100 % and all retention times were within the \pm 30 second window. No action was needed to qualify sample data.

4.3 Field QC Results

No blanks were collected for the analysis of 1,4-dioxane. One field duplicate (CW-19/CW-19 DUP) was collected and no 1,4-dioxane was present in either of the samples. No action was needed to qualify sample data, as acceptable field precision was achieved..

4.4 Data Usability

All 1,4-dioxane data was useable as reported without additional qualification. No detectable 1,4-dioxane was present in the samples.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (920) 469-9113.

Attachments:

Table 1
Validated Analytical Reports (hard copy)

cc: Gannett Fleming, Inc.

Table 1 Sample Results Validated - Presto August 2016

	Volatiles	dissolved	Volatiles	1,4-dioxane
SAMPLE ID	SW846	cadmium	524.2	3510
	8260B	6010		8270
MW-4A	✓			
MW-4B	✓			
MW-4B DUP	✓			
MW-10A		✓		
MW-10B		✓		
MW-23A	✓			
MW-23B	✓			
MW-34A	✓			✓
MW-34B	✓			
MW-34B DUP	✓			
MW-34C	✓			
MW-38B	✓			
MW-52B	✓			
MW-68A	✓			
MW-68A DUP	✓			
MW-68B	✓	✓		✓
MW-70A	✓			
MW-70B	✓	✓		
MW-74A	✓			
MW-74B	✓			
MW-75		✓		
MW-76A	✓			✓
MW-77A	✓			
MW-77B	✓			✓
MW-77C	✓			
EC-1	✓			
EW1R-76'	✓			
EW1R-86'	✓			
EW1R-96'	✓			
EW2-81'	✓			
EW2-91'	✓			
EW-5	✓			
EW-6	✓			
MH18	✓			
TRIP BLANK B	✓			
RW-16	✓			✓
RW-3C	✓			✓
TRIP BLANK C	✓			
TRIP BLANK D	✓			
FIELD BLANK 1	✓			
FIELD BLANK 2	✓			
CW-11			✓	
CW-15			✓	
CW-16			✓	
CW-17			✓	
CW-19			✓	✓
CW-19 DUP				✓
RAW			✓	
TOWER A			✓	
TOWER B			✓	
TRIP BLANK A			✓	
PRODUCT			✓	



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: EW1R-76* Lab ID: 40137489001 Collected: 08/29/16 12:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 18:39	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 18:39	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 18:39	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 18:39	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 18:39	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/01/16 18:39	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		09/01/16 18:39	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/01/16 18:39	2037-26-5	

*MAN
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: EW1R-86' Lab ID: 40137489002 Collected: 08/29/16 12:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 13:00	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 13:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 13:00	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 13:00	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 13:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/01/16 13:00	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 13:00	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/01/16 13:00	2037-26-5	

*Assn
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: EW1R-96' Lab ID: 40137489003 Collected: 08/29/16 12:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 13:22	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 13:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 13:22	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 13:22	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 13:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/01/16 13:22	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		09/01/16 13:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 13:22	2037-26-5	

MW
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: EW2-81' Lab ID: 40137489004 Collected: 08/29/16 11:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 13:45	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 13:45	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 13:45	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 13:45	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 13:45	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		09/01/16 13:45	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		09/01/16 13:45	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		09/01/16 13:45	2037-26-5	

MAN
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: EW2-91' Lab ID: 40137489005 Collected: 08/29/16 11:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 14:08	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 14:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 14:08	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 14:08	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 14:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/01/16 14:08	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		09/01/16 14:08	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/01/16 14:08	2037-26-5	

MW
 10/5/16

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

Sample: MW34A Lab ID: 40137489006 Collected: 08/29/16 15:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/01/16 09:15	09/02/16 12:35	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	09/01/16 09:15	09/02/16 12:35	4165-60-0	
2-Fluorobiphenyl (S)	74	%	41-130		1	09/01/16 09:15	09/02/16 12:35	321-60-8	
Terphenyl-d14 (S)	80	%	49-130		1	09/01/16 09:15	09/02/16 12:35	1718-51-0	
Phenol-d6 (S)	30	%	15-130		1	09/01/16 09:15	09/02/16 12:35	13127-88-3	
2-Fluorophenol (S)	50	%	27-130		1	09/01/16 09:15	09/02/16 12:35	367-12-4	
2,4,6-Tribromophenol (S)	83	%	42-140		1	09/01/16 09:15	09/02/16 12:35	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 14:30	71-55-6	
1,1-Dichloroethane	0.50J	ug/L	1.0	0.24	1		09/01/16 14:30	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 14:30	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 14:30	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 14:30	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/01/16 14:30	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 14:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 14:30	2037-26-5	

mm
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: MW34BDUP Lab ID: 40137489008 Collected: 08/29/16 14:45 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 15:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 15:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 15:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 15:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 15:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		09/01/16 15:16	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		09/01/16 15:16	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 15:16	2037-26-5	

MJM
10/5/16

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

Sample: MW34B Lab ID: 40137489007 Collected: 08/29/16 14:45 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 14:53	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 14:53	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 14:53	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 14:53	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 14:53	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/01/16 14:53	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		09/01/16 14:53	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/01/16 14:53	2037-26-5	

*MW
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: MW34C Lab ID: 40137489009 Collected: 08/29/16 14:55 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 15:38	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 15:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 15:38	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 15:38	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 15:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/01/16 15:38	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 15:38	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 15:38	2037-26-5	

MW
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: MW68A Lab ID: 40137489010 Collected: 08/29/16 16:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 16:01	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 16:01	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 16:01	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 16:01	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 16:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/01/16 16:01	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 16:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 16:01	2037-26-5	

Handwritten signature
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: MW68ADUP Lab ID: 40137489011 Collected: 08/29/16 16:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 16:23	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 16:23	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 16:23	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 16:23	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 16:23	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/01/16 16:23	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 16:23	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/01/16 16:23	2037-26-5	

*MW
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: MW68B Lab ID: 40137489012 Collected: 08/29/16 16:05 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/01/16 09:15	09/02/16 12:56	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	74	%	43-130		1	09/01/16 09:15	09/02/16 12:56	4165-60-0	
2-Fluorobiphenyl (S)	74	%	41-130		1	09/01/16 09:15	09/02/16 12:56	321-60-8	
Terphenyl-d14 (S)	73	%	49-130		1	09/01/16 09:15	09/02/16 12:56	1718-51-0	
Phenol-d6 (S)	26	%	15-130		1	09/01/16 09:15	09/02/16 12:56	13127-88-3	
2-Fluorophenol (S)	40	%	27-130		1	09/01/16 09:15	09/02/16 12:56	367-12-4	
2,4,6-Tribromophenol (S)	62	%	42-140		1	09/01/16 09:15	09/02/16 12:56	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 16:46	71-55-6	
1,1-Dichloroethane	0.25J	ug/L	1.0	0.24	1		09/01/16 16:46	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 16:46	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 16:46	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 16:46	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		09/01/16 16:46	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 16:46	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/01/16 16:46	2037-26-5	

*MWA
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: MW70A Lab ID: 40137489013 Collected: 08/29/16 14:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 17:08	71-55-6	
1,1-Dichloroethane	0.45J	ug/L	1.0	0.24	1		09/01/16 17:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 17:08	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 17:08	127-18-4	
Trichloroethene	0.55J	ug/L	1.0	0.33	1		09/01/16 17:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		09/01/16 17:08	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 17:08	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 17:08	2037-26-5	

*MW
10/5/14*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: MW70B Lab ID: 40137489014 Collected: 08/29/16 14:25 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 17:31	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 17:31	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 17:31	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 17:31	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 17:31	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		09/01/16 17:31	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/01/16 17:31	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/01/16 17:31	2037-26-5	

MSW
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: MW74A Lab ID: 40137489015 Collected: 08/29/16 15:55 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 17:54	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 17:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 17:54	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 17:54	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 17:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		09/01/16 17:54	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		09/01/16 17:54	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/01/16 17:54	2037-26-5	

Handwritten signature
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: MW74B Lab ID: 40137489016 Collected: 08/29/16 15:50 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 18:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 18:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 18:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 18:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 18:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		09/01/16 18:16	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		09/01/16 18:16	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/01/16 18:16	2037-26-5	

*MWA
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: TRIP BLANK B Lab ID: 40137489018 Collected: 08/29/16 00:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 19:24	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 19:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 19:24	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 19:24	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/16 19:24	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		09/01/16 19:24	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/01/16 19:24	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		09/01/16 19:24	2037-26-5	

*MW
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATL PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: EC1 Lab ID: 40137489019 Collected: 08/30/16 10:15 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/16 12:37	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 12:37	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 12:37	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 12:37	127-18-4	
Trichloroethene	0.43J	ug/L	1.0	0.33	1		09/01/16 12:37	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/01/16 12:37	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		09/01/16 12:37	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/01/16 12:37	2037-26-5	

MSW
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
 Pace Project No.: 40137489

Sample: EW6 Lab ID: 40137489020 Collected: 08/30/16 07:40 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	1.1	ug/L	1.0	0.50	1		09/01/16 19:01	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/16 19:01	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/16 19:01	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/16 19:01	127-18-4	
Trichloroethene	0.73J	ug/L	1.0	0.33	1		09/01/16 19:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		09/01/16 19:01	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		09/01/16 19:01	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/01/16 19:01	2037-26-5	

MW
 10/5/16

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

Sample: MW52B Lab ID: 40137489021 Collected: 08/30/16 10:50 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/01/16 09:15	09/02/16 12:24	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	68	%	43-130		1	09/01/16 09:15	09/02/16 12:24	4165-60-0	
2-Fluorobiphenyl (S)	54	%	41-130		1	09/01/16 09:15	09/02/16 12:24	321-60-8	
Terphenyl-d14 (S)	57	%	49-130		1	09/01/16 09:15	09/02/16 12:24	1718-51-0	
Phenol-d6 (S)	28	%	15-130		1	09/01/16 09:15	09/02/16 12:24	13127-88-3	
2-Fluorophenol (S)	38	%	27-130		1	09/01/16 09:15	09/02/16 12:24	367-12-4	
2,4,6-Tribromophenol (S)	50	%	42-140		1	09/01/16 09:15	09/02/16 12:24	118-79-6	

MW
10/5/16

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NAT'L PRESTO IND. (N)
Pace Project No.: 40137489

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 233952

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Mau
12/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40137498

Sample: CW-11 Lab ID: 40137498001 Collected: 08/30/16 09:30 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 03:49	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 03:49	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 03:49	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 03:49	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 03:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		09/02/16 03:49	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 03:49	2037-26-5	
1,2-Dichloroethane-d4 (S)	95	%	75-125		1		09/02/16 03:49	17060-07-0	

*MW
12/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40137498

Sample: CW-15 Lab ID: 40137498002 Collected: 08/30/16 09:35 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:11	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:11	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:11	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:11	71-55-6	
Trichloroethene	0.19J	ug/L	0.40	0.044	1		09/02/16 04:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	75-125		1		09/02/16 04:11	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 04:11	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 04:11	17060-07-0	

MW
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40137498

Sample: CW-16 Lab ID: 40137498003 Collected: 08/30/16 09:25 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:33	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:33	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:33	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:33	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 04:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	75-125		1		09/02/16 04:33	460-00-4	
Toluene-d8 (S)	98	%.	75-125		1		09/02/16 04:33	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%.	75-125		1		09/02/16 04:33	17060-07-0	

Handwritten signature
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40137498

Sample: CW-17 Lab ID: 40137498004 Collected: 08/30/16 09:50 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 04:56	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 04:56	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 04:56	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 04:56	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 04:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	75-125		1		09/02/16 04:56	460-00-4	
Toluene-d8 (S)	96	%.	75-125		1		09/02/16 04:56	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%.	75-125		1		09/02/16 04:56	17060-07-0	

Handwritten: New 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40137498

Sample: CW-19 Lab ID: 40137498005 Collected: 08/30/16 09:32 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.5	2.9	1	09/01/16 09:15	09/02/16 12:56	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	09/01/16 09:15	09/02/16 12:56	4165-60-0	
2-Fluorobiphenyl (S)	61	%	41-130		1	09/01/16 09:15	09/02/16 12:56	321-60-8	
Terphenyl-d14 (S)	79	%	49-130		1	09/01/16 09:15	09/02/16 12:56	1718-51-0	
Phenol-d6 (S)	30	%	15-130		1	09/01/16 09:15	09/02/16 12:56	13127-88-3	
2-Fluorophenol (S)	42	%	27-130		1	09/01/16 09:15	09/02/16 12:56	367-12-4	
2,4,6-Tribromophenol (S)	64	%	42-140		1	09/01/16 09:15	09/02/16 12:56	118-79-6	
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 05:18	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 05:18	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 05:18	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 05:18	71-55-6	
Trichloroethene	2.0	ug/L	0.40	0.044	1		09/02/16 05:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		09/02/16 05:18	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 05:18	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		09/02/16 05:18	17060-07-0	

*Memo
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40137498

Sample: TOWER A Lab ID: 40137498006 Collected: 08/30/16 09:54 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 05:40	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 05:40	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 05:40	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 05:40	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 05:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	75-125		1		09/02/16 05:40	460-00-4	
Toluene-d8 (S)	97	%.	75-125		1		09/02/16 05:40	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%.	75-125		1		09/02/16 05:40	17060-07-0	

MAN
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40137498

Sample: TOWER B Lab ID: 40137498007 Collected: 08/30/16 09:56 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:02	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:02	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:02	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:02	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 06:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 06:02	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 06:02	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 06:02	17060-07-0	

Handwritten signature
 12/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40137498

Sample: RAW Lab ID: 40137498008 Collected: 08/30/16 09:52 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:25	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:25	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:25	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:25	71-55-6	
Trichloroethene	0.94	ug/L	0.40	0.044	1		09/02/16 06:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		09/02/16 06:25	460-00-4	
Toluene-d8 (S)	98	%	75-125		1		09/02/16 06:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%	75-125		1		09/02/16 06:25	17060-07-0	

MMA
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40137498

Sample: **PRODUCT** Lab ID: **40137498009** Collected: 08/30/16 09:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 06:47	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 06:47	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 06:47	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 06:47	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 06:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		09/02/16 06:47	460-00-4	
Toluene-d8 (S)	96	%	75-125		1		09/02/16 06:47	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		09/02/16 06:47	17060-07-0	

Handwritten: N/A
10/5/16

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40137498

Sample: Trip Blank A Lab ID: 40137498010 Collected: 08/30/16 00:00 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		09/02/16 02:20	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		09/02/16 02:20	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		09/02/16 02:20	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		09/02/16 02:20	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		09/02/16 02:20	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		09/02/16 02:20	460-00-4	
Toluene-d8 (S)	97	%	75-125		1		09/02/16 02:20	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		09/02/16 02:20	17060-07-0	

*MMA
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40137498

Sample: CW-19 DUP Lab ID: 40137498011 Collected: 08/30/16 09:32 Received: 08/31/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane) <i>Surrogates</i>	<2.8	ug/L	9.4	2.8	1	09/01/16 09:15	09/02/16 13:28	123-91-1	
Nitrobenzene-d5 (S)	75	%	43-130		1	09/01/16 09:15	09/02/16 13:28	4165-60-0	
2-Fluorobiphenyl (S)	64	%	41-130		1	09/01/16 09:15	09/02/16 13:28	321-60-8	
Terphenyl-d14 (S)	80	%	49-130		1	09/01/16 09:15	09/02/16 13:28	1718-51-0	
Phenol-d6 (S)	31	%	15-130		1	09/01/16 09:15	09/02/16 13:28	13127-88-3	
2-Fluorophenol (S)	45	%	27-130		1	09/01/16 09:15	09/02/16 13:28	367-12-4	
2,4,6-Tribromophenol (S)	64	%	42-140		1	09/01/16 09:15	09/02/16 13:28	118-79-6	

*MAM
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40137498

DEFINITIONS

- DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
- ND - Not Detected at or above LOD.
- J - Estimated concentration at or above the LOD and below the LOQ.
- LOD - Limit of Detection adjusted for dilution factor and percent moisture.
- LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.
- S - Surrogate
- 1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
- Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
- LCS(D) - Laboratory Control Sample (Duplicate)
- MS(D) - Matrix Spike (Duplicate)
- DUP - Sample Duplicate
- RPD - Relative Percent Difference
- NC - Not Calculable.
- SG - Silica Gel - Clean-Up
- U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.
- N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
- Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
- TNI - The NELAC Institute.

LABORATORIES

- PASI-G Pace Analytical Services - Green Bay
- PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: 233952
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

MAM
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: EW-5 Lab ID: 40137573001 Collected: 08/30/16 08:15 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 20:04	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 20:04	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 20:04	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 20:04	127-18-4	
Trichloroethene	0.43J	ug/L	1.0	0.33	1		09/02/16 20:04	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		09/02/16 20:04	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		09/02/16 20:04	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 20:04	2037-26-5	

Handwritten signature
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: MH-18 Lab ID: 40137573002 Collected: 08/30/16 08:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.69J	ug/L	1.0	0.50	1		09/02/16 20:27	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 20:27	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 20:27	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 20:27	127-18-4	
Trichloroethene	0.51J	ug/L	1.0	0.33	1		09/02/16 20:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 20:27	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		09/02/16 20:27	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 20:27	2037-26-5	

MW
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Sample: MW-10A		Lab ID: 40137573003	Collected: 08/29/16 14:05	Received: 09/01/16 07:30	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Cadmium, Dissolved	18.8	ug/L	5.0	0.60	1		09/06/16 10:43	7440-43-9	

msu
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Sample: MW-10B Lab ID: 40137573004 Collected: 08/29/16 13:58 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Cadmium, Dissolved	3.6J	ug/L	5.0	0.60	1		09/06/16 10:50	7440-43-9	

*Memo
10/15/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: MW-23A Lab ID: 40137573005 Collected: 08/30/16 16:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 20:49	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 20:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 20:49	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 20:49	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.33	1		09/02/16 20:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 20:49	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		09/02/16 20:49	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 20:49	2037-26-5	

MW
12/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: MW-23B Lab ID: 40137573006 Collected: 08/30/16 16:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 21:11	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 21:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 21:11	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 21:11	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.33	1		09/02/16 21:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 21:11	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		09/02/16 21:11	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/02/16 21:11	2037-26-5	

MW
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Sample: MW-38B Lab ID: 40137573007 Collected: 08/30/16 15:30 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/06/16 07:55	09/07/16 09:43	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	82	%	43-130		1	09/06/16 07:55	09/07/16 09:43	4165-60-0	
2-Fluorobiphenyl (S)	84	%	41-130		1	09/06/16 07:55	09/07/16 09:43	321-60-8	
Terphenyl-d14 (S)	91	%	49-130		1	09/06/16 07:55	09/07/16 09:43	1718-51-0	
Phenol-d6 (S)	32	%	15-130		1	09/06/16 07:55	09/07/16 09:43	13127-88-3	
2-Fluorophenol (S)	52	%	27-130		1	09/06/16 07:55	09/07/16 09:43	367-12-4	
2,4,6-Tribromophenol (S)	88	%	42-140		1	09/06/16 07:55	09/07/16 09:43	118-79-6	

MAN
10/5/16

REPORT OF LABORATORY ANALYSIS

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



Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Sample: MW-68B Lab ID: 40137573008 Collected: 08/29/16 16:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Cadmium, Dissolved	4.0J	ug/L	5.0	0.60	1		09/02/16 19:10	7440-43-9	

MW
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Sample: MW-70B Lab ID: 40137573009 Collected: 08/29/16 14:25 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved Analytical Method: EPA 6010									
Cadmium, Dissolved	4.1J	ug/L	5.0	0.60	1		09/02/16 19:12	7440-43-9	

*MW
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



Pace Analytical Services, Inc.
 1241 Bellevue Street - Suite 9
 Green Bay, WI 54302
 (920)469-2436

ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: MW-75 Lab ID: 40137573010 Collected: 08/29/16 15:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved Analytical Method: EPA 6010									
Cadmium, Dissolved	2.2J	ug/L	5.0	0.60	1		09/02/16 19:15	7440-43-9	

*MW
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NATL PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: MW-76A Lab ID: 40137573011 Collected: 08/30/16 07:40 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.8	2.9	1	09/06/16 07:55	09/07/16 10:04	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	83	%	43-130		1	09/06/16 07:55	09/07/16 10:04	4165-60-0	
2-Fluorobiphenyl (S)	89	%	41-130		1	09/06/16 07:55	09/07/16 10:04	321-60-8	
Terphenyl-d14 (S)	98	%	49-130		1	09/06/16 07:55	09/07/16 10:04	1718-51-0	
Phenol-d6 (S)	32	%	15-130		1	09/06/16 07:55	09/07/16 10:04	13127-88-3	
2-Fluorophenol (S)	54	%	27-130		1	09/06/16 07:55	09/07/16 10:04	367-12-4	
2,4,6-Tribromophenol (S)	95	%	42-140		1	09/06/16 07:55	09/07/16 10:04	118-79-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 21:34	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 21:34	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 21:34	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 21:34	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/02/16 21:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 21:34	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/02/16 21:34	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/02/16 21:34	2037-26-5	

MW
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: MW-77A Lab ID: 40137573012 Collected: 08/31/16 09:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 21:56	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 21:56	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 21:56	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 21:56	127-18-4	
Trichloroethene	0.91J	ug/L	1.0	0.33	1		09/02/16 21:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 21:56	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		09/02/16 21:56	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/02/16 21:56	2037-26-5	

Handwritten: N/A
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: MW-77B Lab ID: 40137573013 Collected: 08/31/16 09:05 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/06/16 07:55	09/07/16 12:02	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	89	%	43-130		1	09/06/16 07:55	09/07/16 12:02	4165-60-0	
2-Fluorobiphenyl (S)	74	%	41-130		1	09/06/16 07:55	09/07/16 12:02	321-60-8	
Terphenyl-d14 (S)	96	%	49-130		1	09/06/16 07:55	09/07/16 12:02	1718-51-0	
Phenol-d6 (S)	32	%	15-130		1	09/06/16 07:55	09/07/16 12:02	13127-88-3	
2-Fluorophenol (S)	49	%	27-130		1	09/06/16 07:55	09/07/16 12:02	367-12-4	
2,4,6-Tribromophenol (S)	79	%	42-140		1	09/06/16 07:55	09/07/16 12:02	118-79-6	
8260 MSV Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 22:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 22:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 22:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 22:19	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.33	1		09/02/16 22:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 22:19	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		09/02/16 22:19	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 22:19	2037-26-5	

MMA
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: MW-77C Lab ID: 40137573014 Collected: 08/31/16 08:50 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 22:41	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 22:41	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 22:41	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 22:41	127-18-4	
Trichloroethene	0.55J	ug/L	1.0	0.33	1		09/02/16 22:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/16 22:41	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/02/16 22:41	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/02/16 22:41	2037-26-5	

*MSV
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: RW-16 Lab ID: 40137573015 Collected: 08/30/16 13:55 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	09/06/16 07:55	09/07/16 11:30	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	86	%	43-130		1	09/06/16 07:55	09/07/16 11:30	4165-60-0	
2-Fluorobiphenyl (S)	93	%	41-130		1	09/06/16 07:55	09/07/16 11:30	321-60-8	
Terphenyl-d14 (S)	94	%	49-130		1	09/06/16 07:55	09/07/16 11:30	1718-51-0	
Phenol-d6 (S)	31	%	15-130		1	09/06/16 07:55	09/07/16 11:30	13127-88-3	
2-Fluorophenol (S)	52	%	27-130		1	09/06/16 07:55	09/07/16 11:30	367-12-4	
2,4,6-Tribromophenol (S)	85	%	42-140		1	09/06/16 07:55	09/07/16 11:30	118-79-6	

MW
10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: RW-3C Lab ID: 40137573016 Collected: 08/30/16 13:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	09/06/16 07:55	09/07/16 11:51	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	85	%	43-130		1	09/06/16 07:55	09/07/16 11:51	4165-60-0	
2-Fluorobiphenyl (S)	89	%	41-130		1	09/06/16 07:55	09/07/16 11:51	321-60-8	
Terphenyl-d14 (S)	90	%	49-130		1	09/06/16 07:55	09/07/16 11:51	1718-51-0	
Phenol-d6 (S)	30	%	15-130		1	09/06/16 07:55	09/07/16 11:51	13127-88-3	
2-Fluorophenol (S)	49	%	27-130		1	09/06/16 07:55	09/07/16 11:51	367-12-4	
2,4,6-Tribromophenol (S)	78	%	42-140		1	09/06/16 07:55	09/07/16 11:51	118-79-6	

MAM
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: MW-4A Lab ID: 40137573017 Collected: 08/31/16 08:25 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 23:03	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 23:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 23:03	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 23:03	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/02/16 23:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/02/16 23:03	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		09/02/16 23:03	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 23:03	2037-26-5	

mm
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

Sample: MW-4B Lab ID: 40137573018 Collected: 08/31/16 08:20 Received: 09/01/16 07:30 Matrix: Water

Table with 10 columns: Parameters, Results, Units, LOQ, LOD, DF, Prepared, Analyzed, CAS No., Qual. Rows include 8260 MSV, 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, Tetrachloroethene, Trichloroethene, and Surrogates (4-Bromofluorobenzene, Dibromofluoromethane, Toluene-d8).

Handwritten signature and date: 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: TRIP BLANK C Lab ID: 40137573019 Collected: 08/30/16 00:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/02/16 23:48	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/02/16 23:48	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/02/16 23:48	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/02/16 23:48	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/02/16 23:48	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/02/16 23:48	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		09/02/16 23:48	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/02/16 23:48	2037-26-5	

*MAN
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: TRIP BLANK D Lab ID: 40137573020 Collected: 08/31/16 00:00 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/03/16 00:10	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/03/16 00:10	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/03/16 00:10	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/03/16 00:10	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/03/16 00:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/03/16 00:10	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		09/03/16 00:10	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/03/16 00:10	2037-26-5	

Handwritten signature and date: 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: MW-4B DUP Lab ID: 40137573021 Collected: 08/31/16 08:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/03/16 00:32	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/03/16 00:32	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/03/16 00:32	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/03/16 00:32	127-18-4	
Trichloroethene	0.40J	ug/L	1.0	0.33	1		09/03/16 00:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/03/16 00:32	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		1		09/03/16 00:32	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/03/16 00:32	2037-26-5	

*MW
12/5/16*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: FIELD BLANK 2 Lab ID: 40137573022 Collected: 08/31/16 07:50 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/03/16 00:55	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/03/16 00:55	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/03/16 00:55	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/03/16 00:55	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/03/16 00:55	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/03/16 00:55	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		09/03/16 00:55	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/03/16 00:55	2037-26-5	

Handwritten note:
 None
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: NAT'L PRESTO IND. (NPI)
 Pace Project No.: 40137573

Sample: FIELD BLANK 1 Lab ID: 40137573023 Collected: 08/30/16 09:20 Received: 09/01/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/07/16 14:50	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/07/16 14:50	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/07/16 14:50	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/07/16 14:50	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/07/16 14:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		09/07/16 14:50	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		09/07/16 14:50	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		09/07/16 14:50	2037-26-5	

MMA
 10/5/16

REPORT OF LABORATORY ANALYSIS

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



QUALIFIERS

Project: NAT'L PRESTO IND. (NPI)
Pace Project No.: 40137573

DEFINITIONS

- DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
- ND - Not Detected at or above LOD.
- J - Estimated concentration at or above the LOD and below the LOQ.
- LOD - Limit of Detection adjusted for dilution factor and percent moisture.
- LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.
- S - Surrogate
- 1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
- Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
- LCS(D) - Laboratory Control Sample (Duplicate)
- MS(D) - Matrix Spike (Duplicate)
- DUP - Sample Duplicate
- RPD - Relative Percent Difference
- NC - Not Calculable.
- SG - Silica Gel - Clean-Up
- U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.
- N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
- Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
- TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 234176

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

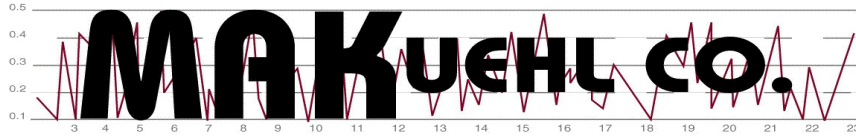
ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

*MHW
10/5/16*

REPORT OF LABORATORY ANALYSIS

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



TECHNICAL MEMORANDUM

Project #34283.00

NPI Q4 GW DV

Reviewed by CCW

2/3/17

DATE: February 2, 2017

TO: Derrick Paul
National Presto Industries, Inc.

FROM: Marcia A. Kuehl
President/Owner, MAKuehl Company

SUBJECT: Data Validation for National Presto Industries, Inc.
Interim Remedial Action Project
December 2016 Quarterly Groundwater Sampling Event
Project #: 34283

1.0 OVERVIEW

Analytical results (8260/524.2 volatiles, 1,4-dioxane, dissolved cadmium, nickel, zinc, hardness, polynuclear aromatics) for the samples listed in Table 1, collected by Gannett Fleming, Inc. from the interim remedial action at National Presto Industries, Inc. on December 5-7, 2016 have been evaluated using the EPA guidance documents "National Functional Guidelines for Organic Data Review", dated October 1999, EPA-540/R-99/008, the EPA Region V "Standard Operating Procedure for Validation of CLP Organic Data, April, 1991, Revised August 25, 1993", the "National Functional Guidelines for Inorganic Data Review", dated February 1994, EPA-540/R-94/013 and the EPA Region V "Standard Operating Procedure for Validation of CLP Inorganic Data, September 1993". The project data quality objective was assumed to be that data were to be usable for the purposes of assessing the interim remedial action for the site groundwater. The review was based on the Level IV data packages supplied by the analytical laboratory, Pace Analytical, located in Green Bay, Wisconsin.

DQO Attainment

All volatile organic data was usable as reported without qualification.

All metals/hardness data was usable as reported without qualification.

All semivolatile organic data for MH-18 was useable as reported without additional qualification.

All 1,4-dioxane data was usable as reported without qualification.

Values qualified with a J code by the laboratory are those that are above the LOD, but less than the LOQ. The validated data sheets are attached.

2.0 DISSOLVED CADMIUM, NICKEL, ZINC DATA

Pace utilized EPA methods 6010 for dissolved cadmium analysis and methods 3010 and 6010 for other metals analysis. No significant deviations from these methods that affected data quality were evident from the documentation supplied. No action was needed to qualify sample data.

2.1 Completeness Assessment

The metals analyses included a summary of the lab blank, calibration check standards, initial calibration curve coefficient, LCS and MS/MSD results. The raw data for the samples was also received. The required method 6010 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed. No action was needed to qualify sample data.

No custody seals were present on the sample coolers and the chain-of-custody documentation was therefore not complete. However as no indication of cooler opening during transit was apparent, no action was taken to qualify sample data.

2.2 Compliance Assessment

2.2.1 Holding Time/Preservation

All samples were analyzed within the 6 month holding time for metals. Verification of sample pH upon receipt/analysis indicated that all samples were adequately preserved to pH < 2. Sample temperature upon receipt by the lab was acceptable. No action was needed to qualify sample data.

2.2.2 Calibration

The initial calibration curve coefficients were acceptable (> 0.995). Initial, continuing and final check standard recoveries were within the 90-110 % limits. No action was needed to qualify sample data.

2.2.3 Laboratory Blanks

No reported metals above the Limit of Detection (LOD) were reported in the blanks analyzed with the project samples. No action was needed to qualify sample data.

2.2.4 Lab Control Standard (LCS) Recovery

Recovery of LCS samples were all within the 80 - 120 % Limit. No action was needed to qualify sample data.

2.2.5 MS/MSD Sample Recovery and RPD

Recoveries and the Relative Percent Difference (RPD) values for metals in the samples analyzed as the MS/MSD were within data validation and Pace limits of 75 -125 % recovery and < 20 % RPD. No action was needed to qualify sample data.

2.2.5 Serial Dilution

Serial dilution percent difference was less than the 10 % limit for the serial dilution samples analyzed. No action was needed to qualify sample data.

2.3 Field QC Results

No field blanks or field duplicates were collected and analyzed for metals with the project samples. No action was needed to qualify sample data.

2.4 Data Usability

All metals data as reported by Pace was acceptable for use in the investigation.

3.0 **VOLATILE ORGANICS DATA BY METHODS 8260B/524.2**

Pace utilized EPA methods 8260B and 524.2 for project sample analysis as indicated in Table 1. No significant deviations from these reference methods affecting data quality were evident from the documentation received and reviewed. No action was needed to qualify sample data.

3.1 Completeness Assessment

The required method 8260 and 524.2 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed.

No custody seals were present on the sample coolers for 8260 analysis and the chain-of-custody documentation was therefore not complete. However as no indication of cooler opening during transit was apparent, no action was taken to qualify sample data.

3.2 Compliance Assessment

3.2.1 Holding Times/Preservation

All samples were analyzed within the 14 day holding time. Verification of sample pH upon analysis indicated that all samples were adequately preserved at a pH of < 2. No action was needed to qualify sample data.

Sample temperature upon receipt by the lab was acceptable as all were received at 2-6°C or “on ice”. No action was needed to qualify sample data.

Minor sample label discrepancies and frozen vials were noted for the project, but none of the sample data were affected. No action was needed to qualify sample data.

3.2.2 Initial Calibration and Tuning

BFB tuning results met method 8260 and 524.2 criteria as appropriate. No action was needed to qualify sample data.

A seven point initial calibration curve ranging from 0.2-250 ug/L was analyzed on 11/21/16 for method 8260. The 15 percent rsd limit required by method 8260 was met for all reported compounds. Method System Performance Check Compounds response factors (chloromethane, 1,1-dichloroethane, bromoform, 1,1,2,2-tetrachloroethane, chlorobenzene) met the EPA method data validation criteria of > 0.30 for 1,1,2,2-tetrachloroethane and chlorobenzene and > 0.10 for chloromethane, 1,1-dichloroethane, and bromoform. No action was needed to qualify sample data.

A nine point initial calibration for method 524.2 ranging from 0.2 to 250 ug/L was analyzed on 11/28/16. All rsd values for the reported volatile organics were less than the 20 % limit required for method 524.2. No action was needed to qualify sample data.

3.2.3 Continuing Calibration

A 50 ug/L continuing calibration standard (CCAL) was analyzed according to methods 8260B and 524.2 every 12 hours. Method System Performance Check Compounds response factors (chloromethane, 1,1-dichloroethane, bromoform, 1,1,2,2-tetrachloroethane, chlorobenzene) met the EPA method data validation criteria of > 0.30 for 1,1,2,2-tetrachloroethane and chlorobenzene and > 0.10 for chloromethane, 1,1-dichloroethane, and bromoform. All Calibration Check Compounds (vinyl chloride, 1,1-dichloroethene, chloroform, 1,2-dichloropropane, toluene) and System Performance Check Compounds (chloromethane, 1,1-dichloroethane, bromoform, 1,1,2,2-tetrachloroethane, chlorobenzene) met the method 8260B limits of < 20 % difference and the 524.2 limits of < 30 % difference. All response factors of reported compounds met data validation criteria. No action was needed to qualify sample data.

3.2.4 Laboratory Blanks

No detectable volatile organics above the LOD were present in the lab blanks analyzed with the project samples. No action was needed to qualify sample data.

3.2.5 Surrogate Recoveries

All surrogate recoveries were within Pace limits of 70 - 130 % for method 8260 analyses and 75 - 125 % (524.2). No action was needed to qualify sample data.

3.2.6 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

Project samples used for method 8260 analyses MS/MSD were RW-2B and RW-3A. All recoveries (70 - 130 or 134, 139 %) and Relative Percent Difference (RPD) (< 20 %) limits established by Pace were met for all reported compounds. No action was needed to qualify sample data.

3.2.7 Laboratory Control Standard/Laboratory Control Standard Duplicate

LCS/LCSD samples at 20 ug/L were analyzed with every batch of 20 or less project samples and all recoveries were within Pace's limits of 70 - 130 and < 20 % RPD. No action was needed to qualify sample data.

3.2.8 Internal Standards

Internal standard areas for quantitation ions in project samples were within the method 8260 and 524.2 limits of - 50 % to + 100 %. No action was needed to qualify sample data.

3.3 Field QC Results

Trip blanks collected with the project samples did not contain any target detectable volatile organics above the LOD. No action was needed to qualify sample data.

Field duplicates were collected for MW-23A, MW-45B, MW-70A and MW-77C. The calculated Relative Percent Difference (RPD) for the detected volatile organic between the sample and its field duplicate were as follows:

Sample ID	MW-70A	MW-70A DUP	RPD	MW-77C	MW-77C DUP	RPD
trichloroethene	0.61 ug/L	0.41 ug/L	39 %	0.60 ug/L	0.52 ug/L	14 %
1,1-dichloroethane	0.26 ug/L	0.24 ug/L	80 %			

Sample ID	MW-45B	MW-45B DUP	RPD	MW-23A	MW-23A DUP	RPD
trichloroethene	2.5 ug/L	2.5 ug/L	0 %	0.98 ug/L	1.1 ug/L	12 %

The RPD values were within the U.S. EPA Region V limit of a factor of five (133 % RPD). No action taken was needed to qualify sample data.

3.4 Data Usability

All volatile organic data was useable as reported without additional qualification.

4.0 SEMIVOLATILE ORGANICS DATA

Pace utilized EPA methods 3510 and 8270C for polynuclear aromatic (PNA) sample analysis for MH-18 as indicated in Table 1. No significant deviations from these reference methods affecting data quality were evident from the documentation received and reviewed. No action was needed to qualify sample data.

4.1 Completeness Assessment

The required method 8270C frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed.

No custody seals were present on the sample coolers and the chain-of-custody documentation was therefore not complete. However as no indication of cooler opening during transit was apparent, no action was taken to qualify sample data.

4.2 Compliance Assessment

Pace utilized method 8270C for analysis. Based on the documentation reviewed, no significant deviations adversely affecting data quality were made to the method. No action was needed to qualify sample data.

4.2.1 Holding Times/Preservation

The validated sample was extracted within 7 days of collection and analyzed within 40 days after extraction. The sample was received at Pace within the acceptable temperature range of 2-6°C. No action was needed to qualify sample data.

4.2.2 Initial Calibration and Tuning

The laboratory certified that all required calibration (initial calibration on 12/12/16) and tuning results met method criteria. No exceptions that affected the validated sample were noted in the case narrative. No action was needed to qualify sample data.

4.2.3 Continuing Calibration

The laboratory certified that all required calibration results met method criteria. No exceptions that affected the validated sample were noted in the case narrative. No action was needed to qualify sample data.

4.2.4 Laboratory Blanks

Method blanks were prepared and analyzed at the required method 8270C frequency. No detected target semivolatile organics were present in the lab blank. No action was needed to qualify sample data.

4.2.5 Surrogate Recoveries

Recovery of both surrogate standards in the validated sample were within the Pace limits. No action was needed to qualify sample data.

4.2.6 Matrix Spike/Matrix Spike Duplicate

The MS/MSD of MH-18 exhibited RPD and recovery values within Pace's limits. No action was needed to qualify sample data.

4.2.7 Lab Control Standard/Lab Control Standard Duplicate

Lab Control Standard (LCS) and lab control standard duplicate (LCSD) recoveries and RPD values were all within Pace and data validation limits. No action was needed to qualify sample data.

4.2.8 Internal Standards

The laboratory certified that all required internal standard results met method criteria. No exceptions that affected the validated sample were noted in the case narrative. No action was needed to qualify sample data.

4.3 Field QC Results

No field blank or field duplicates were collected with sample MH-18. No action was needed to qualify sample data.

4.4 Data Usability

All semivolatile organic data for MH-18 was useable as reported without additional qualification.

5.0 1,4-DIOXANE

Pace utilized EPA method 3510C and 8270C for the determination of 1,4-dioxane. No deviations from these reference methods were apparent from the data reviewed. No action was needed to qualify sample data.

5.1 Completeness Assessment

The required method 8270 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed.

No custody seals were present on the sample coolers for 8270 analysis and the chain-of-custody documentation was therefore not complete. However as no indication of cooler opening during transit was apparent, no action was taken to qualify sample data.

5.2 Compliance Assessment

5.2.1 Holding Times/Preservation

All samples were analyzed within the 7 day holding time. All samples were received within the acceptable 2-6 °C range. No action was needed to qualify sample data.

5.2.2 Initial Calibration/Tuning

All DFTPP tuning criteria and frequency for analysis were met each day samples were analyzed. No action was needed to qualify sample data.

A seven point calibration curve was analyzed on 11/14/16. The allowable 30 % relative standard deviation (rsd) EPA data validation criteria for initial calibration or the linear calibration curve coefficient was > 0.990 was met for 1,4-dioxane. The minimum Relative Response Factor (RRF) of > 0.05 used by EPA Region V and the QAPP for data validation as proof of acceptable system response was met for 1,4-dioxane. No action was needed to qualify sample data.

5.2.3 Continuing Calibration

All continuing calibration standards analyzed with the project samples were within the EPA Region V limit of < 30 % difference and $RRF > 0.05$. No action was needed to qualify sample data.

5.2.4 Laboratory Blanks

No 1,4-dioxane was reported above the Method Detection Limit (MDL) in the lab blanks analyzed with the project samples. No action was needed to qualify sample data.

5.2.5 Surrogate Recoveries

Recovery of the semivolatile surrogates in all project samples were within Pace and method limits in all project samples. No action was needed to qualify sample data.

5.2.6 Matrix Spike/Matrix Spike Duplicates (MS/MSD)

Insufficient sample volume was provided for MS/MSD analysis of project samples. No action was taken to qualify sample data.

5.2.7 Laboratory Control Standard (LCS)/Lab Control Standard Duplicate (LCSD)

The LCS and LCSD standard analyzed for 1,4-dioxane does not include 1,4-dioxane as an analyte. No action was taken to qualify sample data.

5.2.8 Internal Standards

Internal standard area of the nearest internal standard used to quantify 1,4-dioxane (d_4 -1,4-dichlorobenzene) in all samples were within the limits of +50 % to -100 % and all retention times were within the \pm 30 second window. No action was needed to qualify sample data.

5.3 Field QC Results

No blanks were collected for the analysis of 1,4-dioxane. No field duplicate was collected. No action was needed to qualify sample data.

5.4 Data Usability

All 1,4-dioxane data was useable as reported without additional qualification.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (920) 469-9113.

Attachments:

Table 1
Validated Analytical Reports (hard copy)

cc: Gannett Fleming, Inc.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (920) 469-9113.

Attachments:

Table 1
Validated Analytical Reports (hard copy)

cc: Gannett Fleming, Inc.

Table 1 Sample Results Validated - Presto December 2016

SAMPLE ID	Volatiles SW846 8260B	dissolved cadmium 6010	1,4-dioxane 8270	PNA 8270	ICP Metals Ni, Zn, hardness 6010	Volatiles 524.2
MW-4A	x					
MW-4B	x					
MW-5A	x					
MW-5B	x					
MW-10A	x	x				
MW-10B	x	x				
MW-23A	x					
MW-23A DUP	x					
MW-23B	x					
MW-26B	x					
MW-34A		x	x			
MW-34B	x	x				
MW-34C	x					
MW-38B	x		x			
MW-45B	x					
MW-45B DUP	x					
MW-45C	x					
MW-52B			x			
MW-62AR	x					
MW-62B	x					
MW-65B	x					
MW-65C	x					
MW-66A	x					
MW-66B	x					
MW-66C	x					
MW-68A	x					
MW-68B	x	x	x			
MW-70A	x					
MW-70A DUP	x					
MW-70B	x	x				
MW-74A	x					
MW-74B	x					
MW-75		x				
MW-76A	x		x			
MW-76B	x					
MW-77A	x					
MW-77B	x		x			
MW-77C	x					
MW-77C DUP	x					
TB (12/6/15)	x					
TB (12/6/15)	x					
EC-1	x					
MH#18	x	x		x	x	
RW-2A	x					

Table 1 Sample Results Validated - Presto December 2016

SAMPLE ID	Volatiles SW846 8260B	dissolved cadmium 6010	1,4-dioxane 8270	PNA 8270	ICP Metals Ni, Zn, hardness 6010	Volatiles 524.2
RW-2B	x					
RW-2C	x					
RW-3A	x					
RW-3B	x					
RW-3C	x		x			
RW-15	x					
CW-16						x
CW-11						x
CW-19						x
CW-15						x
CW-17						x
TOWER A						x
TOWER B						x
RAW						x
FINISHED PRODUCT						x
RW-16			x			
EW-1R-76'	x					
EW-1R-86'	x					
EW-16-96'	x					
EW-2-81'	x					
EW-5-78'	x					
EW-5-88'	x					
EW-6	x	x				
EW-6 DUP	x	x				
EW-5-78'		x				
EW-5-88'		x				

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-1R-76' Lab ID: 40143087001 Collected: 12/05/16 11:30 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 15:50	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 15:50	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 15:50	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 15:50	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 15:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 15:50	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 15:50	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 15:50	2037-26-5	

MAN
2/2/17

REPORT OF LABORATORY ANALYSIS

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

Date: 12/15/2016 01:20 PM

Page 11 of 60

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-1R-86' Lab ID: 40143087002 Collected: 12/05/16 11:35 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 16:12	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 16:12	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 16:12	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 16:12	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 16:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/08/16 16:12	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 16:12	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 16:12	2037-26-5	

MMA
2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
 Pace Project No.: 40143087

Sample: EW-1R-96' Lab ID: 40143087003 Collected: 12/05/16 11:40 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 16:34	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 16:34	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 16:34	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 16:34	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 16:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 16:34	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 16:34	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 16:34	2037-26-5	

WTR
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: EW-2-81' Lab ID: 40143087004 Collected: 12/05/16 11:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 16:56	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 16:56	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 16:56	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 16:56	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 16:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 16:56	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 16:56	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 16:56	2037-26-5	

*MSU
2/2/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: EW-2-91' Lab ID: 40143087005 Collected: 12/05/16 12:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 17:18	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 17:18	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 17:18	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 17:18	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 17:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 17:18	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 17:18	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 17:18	2037-26-5	

MJM
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-62AR Lab ID: 40143087006 Collected: 12/05/16 11:25 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 10:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 10:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 10:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 10:19	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 10:19	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 10:19	2037-26-5	

MAM
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-62B Lab ID: 40143087007 Collected: 12/05/16 11:20 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 11:26	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 11:26	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 11:26	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 11:26	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 11:26	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/08/16 11:26	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 11:26	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 11:26	2037-26-5	

Mason
2/12/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-66A Lab ID: 40143087008 Collected: 12/05/16 11:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 11:48	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 11:48	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 11:48	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 11:48	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 11:48	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 11:48	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 11:48	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 11:48	2037-26-5	

*MSW
2/2/17*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
 Pace Project No.: 40143087

Sample: MW-66B Lab ID: 40143087009 Collected: 12/05/16 11:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 12:10	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 12:10	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 12:10	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 12:10	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 12:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/08/16 12:10	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 12:10	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 12:10	2037-26-5	

MAL
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-66C Lab ID: 40143087010 Collected: 12/05/16 11:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 12:32	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 12:32	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 12:32	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 12:32	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 12:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 12:32	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/08/16 12:32	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/08/16 12:32	2037-26-5	

MTH
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: EW-5-78' Lab ID: 40143087011 Collected: 12/06/16 10:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 17:40	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 17:40	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 17:40	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 17:40	127-18-4	
Trichloroethene	0.75J	ug/L	1.0	0.33	1		12/08/16 17:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 17:40	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 17:40	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 17:40	2037-26-5	

MSV
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: EW-5-88' Lab ID: 40143087012 Collected: 12/06/16 10:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 18:02	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 18:02	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 18:02	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 18:02	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 18:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/08/16 18:02	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/08/16 18:02	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/08/16 18:02	2037-26-5	

MW
2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
 Pace Project No.: 40143087

Sample: MH-18 Lab ID: 40143087013 Collected: 12/06/16 09:55 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium	<1.3	ug/L	5.0	1.3	1	12/08/16 13:31	12/09/16 10:57	7440-43-9	
Nickel	3.3J	ug/L	10.0	2.6	1	12/08/16 13:31	12/09/16 10:57	7440-02-0	
Total Hardness by 2340B	51200	ug/L	2000	150	1	12/08/16 13:31	12/09/16 10:57		
Zinc	<9.3	ug/L	40.0	9.3	1	12/08/16 13:31	12/09/16 10:57	7440-66-6	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.70J	ug/L	1.0	0.50	1		12/08/16 12:54	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 12:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 12:54	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 12:54	127-18-4	
Trichloroethene	0.54J	ug/L	1.0	0.33	1		12/08/16 12:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 12:54	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/08/16 12:54	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 12:54	2037-26-5	

MJM
 12/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-4A Lab ID: 40143087014 Collected: 12/05/16 16:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 13:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 13:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 13:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 13:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 13:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/08/16 13:16	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		12/08/16 13:16	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 13:16	2037-26-5	

*MW
12/2/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-4B		Lab ID: 40143087015		Collected: 12/05/16 16:05		Received: 12/07/16 07:30		Matrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 13:38	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 13:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 13:38	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 13:38	127-18-4	
Trichloroethene	0.43J	ug/L	1.0	0.33	1		12/08/16 13:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/08/16 13:38	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/08/16 13:38	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 13:38	2037-26-5	

MW
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-10A		Lab ID: 40143087016		Collected: 12/05/16 14:00		Received: 12/07/16 07:30		Matrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium, Dissolved	18.8	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:07	7440-43-9	

*MW
2/2/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-10B		Lab ID: 40143087017		Collected: 12/05/16 14:05		Received: 12/07/16 07:30		Matrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:17	7440-43-9	

*MAR
12/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-34A Lab ID: 40143087018 Collected: 12/05/16 14:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	6.5	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:21	7440-43-9	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.5	2.9	1	12/08/16 08:19	12/12/16 19:10	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	81	%	43-130		1	12/08/16 08:19	12/12/16 19:10	4165-60-0	
2-Fluorobiphenyl (S)	82	%	41-130		1	12/08/16 08:19	12/12/16 19:10	321-60-8	
Terphenyl-d14 (S)	89	%	49-130		1	12/08/16 08:19	12/12/16 19:10	1718-51-0	
Phenol-d6 (S)	24	%	15-130		1	12/08/16 08:19	12/12/16 19:10	13127-88-3	
2-Fluorophenol (S)	38	%	27-130		1	12/08/16 08:19	12/12/16 19:10	367-12-4	
2,4,6-Tribromophenol (S)	92	%	42-140		1	12/08/16 08:19	12/12/16 19:10	118-79-6	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:00	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 14:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:00	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:00	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 14:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 14:00	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 14:00	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 14:00	2037-26-5	

MM
2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
 Pace Project No.: 40143087

Sample: MW-34B Lab ID: 40143087019 Collected: 12/05/16 14:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	1.5J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:24	7440-43-9	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:22	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 14:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:22	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:22	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 14:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/08/16 14:22	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/08/16 14:22	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/08/16 14:22	2037-26-5	

*MSM
2/2/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-34C Lab ID: 40143087020 Collected: 12/05/16 14:20 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:44	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 14:44	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:44	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:44	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 14:44	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/08/16 14:44	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/08/16 14:44	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 14:44	2037-26-5	

*MW
12/21/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-68A Lab ID: 40143087021 Collected: 12/05/16 15:30 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 15:06	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 15:06	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 15:06	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 15:06	127-18-4	
Trichloroethene	0.35J	ug/L	1.0	0.33	1		12/08/16 15:06	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/08/16 15:06	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/08/16 15:06	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 15:06	2037-26-5	

MW
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-68B Lab ID: 40143087022 Collected: 12/05/16 15:35 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	4.0J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:31	7440-43-9	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<3.0	ug/L	10.0	3.0	1	12/08/16 08:19	12/12/16 19:31	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	12/08/16 08:19	12/12/16 19:31	4165-60-0	
2-Fluorobiphenyl (S)	91	%	41-130		1	12/08/16 08:19	12/12/16 19:31	321-60-8	
Terphenyl-d14 (S)	89	%	49-130		1	12/08/16 08:19	12/12/16 19:31	1718-51-0	
Phenol-d6 (S)	28	%	15-130		1	12/08/16 08:19	12/12/16 19:31	13127-88-3	
2-Fluorophenol (S)	46	%	27-130		1	12/08/16 08:19	12/12/16 19:31	367-12-4	
2,4,6-Tribromophenol (S)	107	%	42-140		1	12/08/16 08:19	12/12/16 19:31	118-79-6	
8260 MSV Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 15:28	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 15:28	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 15:28	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 15:28	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 15:28	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/08/16 15:28	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 15:28	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/08/16 15:28	2037-26-5	

MW
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-70A Lab ID: 40143087023 Collected: 12/05/16 14:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 07:54	71-55-6	
1,1-Dichloroethane	0.26J	ug/L	1.0	0.24	1		12/09/16 07:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 07:54	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 07:54	127-18-4	
Trichloroethene	0.61J	ug/L	1.0	0.33	1		12/09/16 07:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/09/16 07:54	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/09/16 07:54	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/09/16 07:54	2037-26-5	

*U4N
2/2/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-70A DUP Lab ID: 40143087024 Collected: 12/05/16 15:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 14:49	71-55-6	
1,1-Dichloroethane	0.24J	ug/L	1.0	0.24	1		12/08/16 14:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 14:49	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 14:49	127-18-4	
Trichloroethene	0.41J	ug/L	1.0	0.33	1		12/08/16 14:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/08/16 14:49	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/08/16 14:49	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		12/08/16 14:49	2037-26-5	

MWH
2/2/17

REPORT OF LABORATORY ANALYSIS

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

Date: 12/15/2016 01:20 PM

Page 34 of 60

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-70B Lab ID: 40143087025 Collected: 12/05/16 15:05 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium, Dissolved	4.1J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:33	7440-43-9	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 08:16	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 08:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 08:16	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 08:16	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 08:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/09/16 08:16	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/09/16 08:16	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/09/16 08:16	2037-26-5	

MW
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-74A Lab ID: 40143087026 Collected: 12/05/16 15:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 08:38	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 08:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 08:38	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 08:38	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 08:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 08:38	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		12/09/16 08:38	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 08:38	2037-26-5	

*MW
2/2/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-74B Lab ID: 40143087027 Collected: 12/05/16 15:20 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 09:00	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 09:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 09:00	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 09:00	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 09:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 09:00	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 09:00	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 09:00	2037-26-5	

MAN
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-75 **Lab ID: 40143087028** Collected: 12/05/16 14:55 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium, Dissolved	2.4J	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:36	7440-43-9	

*MDH
12/2/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-76A Lab ID: 40143087029 Collected: 12/06/16 11:10 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/08/16 08:19	12/12/16 19:52	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	79	%	43-130		1	12/08/16 08:19	12/12/16 19:52	4165-60-0	
2-Fluorobiphenyl (S)	93	%	41-130		1	12/08/16 08:19	12/12/16 19:52	321-60-8	
Terphenyl-d14 (S)	91	%	49-130		1	12/08/16 08:19	12/12/16 19:52	1718-51-0	
Phenol-d6 (S)	28	%	15-130		1	12/08/16 08:19	12/12/16 19:52	13127-88-3	
2-Fluorophenol (S)	44	%	27-130		1	12/08/16 08:19	12/12/16 19:52	367-12-4	
2,4,6-Tribromophenol (S)	117	%	42-140		1	12/08/16 08:19	12/12/16 19:52	118-79-6	
8260 MSV Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 11:33	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 11:33	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 11:33	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 11:33	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 11:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 11:33	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 11:33	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 11:33	2037-26-5	

MPL
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-76B **Lab ID:** 40143087030 Collected: 12/06/16 11:15 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 09:22	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 09:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 09:22	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 09:22	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 09:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		12/09/16 09:22	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/09/16 09:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		12/09/16 09:22	2037-26-5	

MN
12/12/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
 Pace Project No.: 40143087

Sample: MW-77A Lab ID: 40143087031 Collected: 12/06/16 10:30 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 09:43	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 09:43	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 09:43	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 09:43	127-18-4	
Trichloroethene	0.51J	ug/L	1.0	0.33	1		12/09/16 09:43	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 09:43	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 09:43	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 09:43	2037-26-5	

*MW
2/2/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: MW-77B Lab ID: 40143087032 Collected: 12/06/16 10:35 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/08/16 08:19	12/12/16 20:14	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	80	%	43-130		1	12/08/16 08:19	12/12/16 20:14	4165-60-0	
2-Fluorobiphenyl (S)	87	%	41-130		1	12/08/16 08:19	12/12/16 20:14	321-60-8	
Terphenyl-d14 (S)	86	%	49-130		1	12/08/16 08:19	12/12/16 20:14	1718-51-0	
Phenol-d6 (S)	26	%	15-130		1	12/08/16 08:19	12/12/16 20:14	13127-88-3	
2-Fluorophenol (S)	47	%	27-130		1	12/08/16 08:19	12/12/16 20:14	367-12-4	
2,4,6-Tribromophenol (S)	112	%	42-140		1	12/08/16 08:19	12/12/16 20:14	118-79-6	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 10:05	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 10:05	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 10:05	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 10:05	127-18-4	
Trichloroethene	1.4	ug/L	1.0	0.33	1		12/09/16 10:05	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 10:05	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 10:05	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 10:05	2037-26-5	

MW
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-77C Lab ID: 40143087033 Collected: 12/06/16 10:40 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 10:27	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 10:27	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 10:27	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 10:27	127-18-4	
Trichloroethene	0.60J	ug/L	1.0	0.33	1		12/09/16 10:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/09/16 10:27	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 10:27	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 10:27	2037-26-5	

MAM
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-77C DUP Lab ID: 40143087034 Collected: 12/06/16 10:40 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 10:49	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 10:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 10:49	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 10:49	127-18-4	
Trichloroethene	0.52J	ug/L	1.0	0.33	1		12/09/16 10:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/09/16 10:49	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 10:49	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/09/16 10:49	2037-26-5	

M.A.N.
2/2/17

REPORT OF LABORATORY ANALYSIS

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

Date: 12/15/2016 01:20 PM

Page 44 of 60

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

Sample: TRIP BLANK Lab ID: 40143087035 Collected: 12/06/16 00:00 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 07:11	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 07:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 07:11	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 07:11	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 07:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/09/16 07:11	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 07:11	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 07:11	2037-26-5	

*MJK
2/2/17*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
 Pace Project No.: 40143087

Sample: MW-5A Lab ID: 40143087036 Collected: 12/05/16 11:50 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 11:11	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 11:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 11:11	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 11:11	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 11:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 11:11	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 11:11	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 11:11	2037-26-5	

MSW
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143087

Sample: MW-5B Lab ID: 40143087037 Collected: 12/05/16 11:45 Received: 12/07/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/08/16 10:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/08/16 10:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/08/16 10:19	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/08/16 10:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/08/16 10:19	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		12/08/16 10:19	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		12/08/16 10:19	2037-26-5	

MJH
2/2/17

REPORT OF LABORATORY ANALYSIS

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

Date: 12/15/2016 01:20 PM

Page 47 of 60

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143087

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above LOD.
J - Estimated concentration at or above the LOD and below the LOQ.
LOD - Limit of Detection adjusted for dilution factor and percent moisture.
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 243712
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

MAM
2/12/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 40143295 Gannett Fleming Inc
Pace Project No.: 10372857

Sample: CW-11 Lab ID: 40143295001 Collected: 12/07/16 09:20 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:12	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:12	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:12	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:12	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 18:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		12/13/16 18:12	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/13/16 18:12	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:12	17060-07-0	

Sample: CW-15 Lab ID: 40143295002 Collected: 12/07/16 09:25 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:34	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:34	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:34	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:34	71-55-6	
Trichloroethene	0.18J	ug/L	0.40	0.044	1		12/13/16 18:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	75-125		1		12/13/16 18:34	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 18:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:34	17060-07-0	

Sample: CW-16 Lab ID: 40143295003 Collected: 12/07/16 09:10 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 18:57	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 18:57	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 18:57	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 18:57	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 18:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/13/16 18:57	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 18:57	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 18:57	17060-07-0	

MMA
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 40143295 Gannett Fleming Inc
Pace Project No.: 10372857

Sample: CW-17 Lab ID: 40143295004 Collected: 12/07/16 09:45 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 19:19	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 19:19	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 19:19	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 19:19	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 19:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 19:19	460-00-4	
Toluene-d8 (S)	101	%	75-125		1		12/13/16 19:19	2037-26-5	
1,2-Dichloroethane-d4 (S)	115	%	75-125		1		12/13/16 19:19	17060-07-0	

Sample: CW-19 Lab ID: 40143295005 Collected: 12/07/16 09:30 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 19:41	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 19:41	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 19:41	127-18-4	
1,1,1-Trichloroethane	0.27J	ug/L	0.50	0.10	1		12/13/16 19:41	71-55-6	
Trichloroethene	2.1	ug/L	0.40	0.044	1		12/13/16 19:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 19:41	460-00-4	
Toluene-d8 (S)	100	%	75-125		1		12/13/16 19:41	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		12/13/16 19:41	17060-07-0	

Sample: RAW Lab ID: 40143295006 Collected: 12/07/16 09:00 Received: 12/10/16 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:03	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:03	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:03	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:03	71-55-6	
Trichloroethene	0.60	ug/L	0.40	0.044	1		12/13/16 20:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	75-125		1		12/13/16 20:03	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/13/16 20:03	2037-26-5	
1,2-Dichloroethane-d4 (S)	120	%	75-125		1		12/13/16 20:03	17060-07-0	

MAD
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 40143295 Gannett Fleming Inc
Pace Project No.: 10372857

Sample: TOWER A		Lab ID: 40143295007	Collected: 12/07/16 09:05	Received: 12/10/16 10:05	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:25	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:25	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:25	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:25	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 20:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/13/16 20:25	460-00-4	
Toluene-d8 (S)	102	%	75-125		1		12/13/16 20:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	117	%	75-125		1		12/13/16 20:25	17060-07-0	

Sample: TOWER B		Lab ID: 40143295008	Collected: 12/07/16 09:07	Received: 12/10/16 10:05	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/13/16 20:47	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/13/16 20:47	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/13/16 20:47	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/13/16 20:47	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/13/16 20:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/13/16 20:47	460-00-4	
Toluene-d8 (S)	101	%	75-125		1		12/13/16 20:47	2037-26-5	
1,2-Dichloroethane-d4 (S)	118	%	75-125		1		12/13/16 20:47	17060-07-0	

Sample: FINISHED PRODUCT		Lab ID: 40143295009	Collected: 12/07/16 08:50	Received: 12/10/16 10:05	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.088	ug/L	0.50	0.088	1		12/17/16 00:16	75-34-3	
1,1-Dichloroethene	<0.089	ug/L	0.50	0.089	1		12/17/16 00:16	75-35-4	
Tetrachloroethene	<0.12	ug/L	0.50	0.12	1		12/17/16 00:16	127-18-4	
1,1,1-Trichloroethane	<0.10	ug/L	0.50	0.10	1		12/17/16 00:16	71-55-6	
Trichloroethene	<0.044	ug/L	0.40	0.044	1		12/17/16 00:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	75-125		1		12/17/16 00:16	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		12/17/16 00:16	2037-26-5	
1,2-Dichloroethane-d4 (S)	95	%	75-125		1		12/17/16 00:16	17060-07-0	

MJM
2/2/17

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 40143295 Gannett Fleming Inc
Pace Project No.: 10372857

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above LOD.
J - Estimated concentration at or above the LOD and below the LOQ.
LOD - Limit of Detection adjusted for dilution factor and percent moisture.
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 451487

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

MJM
12/17

REPORT OF LABORATORY ANALYSIS

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

Date: 12/20/2016 10:41 AM
10372857

Page 11 of 14
11 of 85



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40143142

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: EW-6									
Lab ID: 40143142001 Collected: 12/06/16 14:20 Received: 12/08/16 07:30 Matrix: Water									
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:38	7440-43-9	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	1.2	ug/L	1.0	0.50	1		12/09/16 15:25	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 15:25	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 15:25	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 15:25	127-18-4	
Trichloroethene	0.69J	ug/L	1.0	0.33	1		12/09/16 15:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 15:25	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 15:25	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 15:25	2037-26-5	

MAN
2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-6 DUP Lab ID: 40143142002 Collected: 12/06/16 14:20 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.2	ug/L	1.0	0.50	1		12/09/16 15:47	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 15:47	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 15:47	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 15:47	127-18-4	
Trichloroethene	0.70J	ug/L	1.0	0.33	1		12/09/16 15:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 15:47	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 15:47	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 15:47	2037-26-5	

MAM
 2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Sample: MW-23A Lab ID: 40143142003 Collected: 12/06/16 15:00 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 16:08	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 16:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 16:08	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 16:08	127-18-4	
Trichloroethene	0.98J	ug/L	1.0	0.33	1		12/09/16 16:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 16:08	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 16:08	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 16:08	2037-26-5	

MAN
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Sample: MW-23A DUP Lab ID: 40143142004 Collected: 12/06/16 15:00 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 16:30	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 16:30	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 16:30	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 16:30	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.33	1		12/09/16 16:30	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 16:30	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		12/09/16 16:30	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 16:30	2037-26-5	

*WA 22
5/2/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Sample: MW-23B Lab ID: 40143142005 Collected: 12/06/16 15:05 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 16:52	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 16:52	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 16:52	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 16:52	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.33	1		12/09/16 16:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 16:52	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		12/09/16 16:52	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 16:52	2037-26-5	

MJM
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Sample: MW-38B Lab ID: 40143142006 Collected: 12/06/16 15:45 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.9	ug/L	9.8	2.9	1	12/09/16 08:03	12/13/16 11:46	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	76	%	43-130		1	12/09/16 08:03	12/13/16 11:46	4165-60-0	
2-Fluorobiphenyl (S)	82	%	41-130		1	12/09/16 08:03	12/13/16 11:46	321-60-8	
Terphenyl-d14 (S)	91	%	49-130		1	12/09/16 08:03	12/13/16 11:46	1718-51-0	
Phenol-d6 (S)	23	%	15-130		1	12/09/16 08:03	12/13/16 11:46	13127-88-3	
2-Fluorophenol (S)	38	%	27-130		1	12/09/16 08:03	12/13/16 11:46	367-12-4	
2,4,6-Tribromophenol (S)	92	%	42-140		1	12/09/16 08:03	12/13/16 11:46	118-79-6	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	0.65J	ug/L	1.0	0.50	1		12/09/16 17:14	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 17:14	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 17:14	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 17:14	127-18-4	
Trichloroethene	3.2	ug/L	1.0	0.33	1		12/09/16 17:14	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/09/16 17:14	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 17:14	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 17:14	2037-26-5	

MW
2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40143142

Sample: RW-2A Lab ID: 40143142007 Collected: 12/06/16 14:45 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 17:36	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 17:36	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 17:36	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 17:36	127-18-4	
Trichloroethene	0.77J	ug/L	1.0	0.33	1		12/09/16 17:36	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 17:36	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 17:36	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 17:36	2037-26-5	

UAK
2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40143142

Sample: RW-2B Lab ID: 40143142008 Collected: 12/06/16 14:50 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	0.64J	ug/L	1.0	0.50	1		12/09/16 17:57	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 17:57	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 17:57	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 17:57	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.33	1		12/09/16 17:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 17:57	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/09/16 17:57	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 17:57	2037-26-5	

MAN
 2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40143142

Sample: RW-2C Lab ID: 40143142009 Collected: 12/06/16 14:55 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.52J	ug/L	1.0	0.50	1		12/09/16 18:19	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 18:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 18:19	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 18:19	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.33	1		12/09/16 18:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 18:19	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/09/16 18:19	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/09/16 18:19	2037-26-5	

MHC
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: RW-15 Lab ID: 40143142010 Collected: 12/06/16 15:30 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 18:41	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 18:41	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 18:41	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 18:41	127-18-4	
Trichloroethene	3.1	ug/L	1.0	0.33	1		12/09/16 18:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 18:41	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 18:41	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/09/16 18:41	2037-26-5	

*MAN
5/2/17*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
 Pace Project No.: 40143142

Sample: MW-65B Lab ID: 40143142011 Collected: 12/06/16 16:10 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 19:03	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 19:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 19:03	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 19:03	127-18-4	
Trichloroethene	0.55J	ug/L	1.0	0.33	1		12/09/16 19:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		12/09/16 19:03	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/09/16 19:03	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 19:03	2037-26-5	

MAM
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: MW-65C Lab ID: 40143142012 Collected: 12/06/16 16:15 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 19:24	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 19:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 19:24	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 19:24	127-18-4	
Trichloroethene	0.68J	ug/L	1.0	0.33	1		12/09/16 19:24	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/09/16 19:24	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/09/16 19:24	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/09/16 19:24	2037-26-5	

MAN
2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-5-78' Lab ID: 40143142013 Collected: 12/06/16 10:05 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:41	7440-43-9	

MAM
2/21/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40143142

Sample: EW-5-88' Lab ID: 40143142014 Collected: 12/06/16 10:10 Received: 12/08/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	12/13/16 09:00	12/14/16 11:43	7440-43-9	

MW
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

Sample: TRIP BLANK Lab ID: 40143142015 Collected: 12/06/16 00:00 Received: 12/08/16 07:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/09/16 15:03	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/09/16 15:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/09/16 15:03	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/09/16 15:03	127-18-4	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/09/16 15:03	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/09/16 15:03	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		12/09/16 15:03	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/09/16 15:03	2037-26-5	

MJM
2/2/17

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40143142

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above LOD.
J - Estimated concentration at or above the LOD and below the LOQ.
LOD - Limit of Detection adjusted for dilution factor and percent moisture.
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 243828
[1] Many compounds failed low in the LCS, The MS/MSD met all LCS limits for accuracy and precision.

MJK
2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: EC-1 Lab ID: 40143284001 Collected: 12/07/16 09:40 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 19:52	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 19:52	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 19:52	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 19:52	127-18-4	
Trichloroethene	1.5	ug/L	1.0	0.33	1		12/14/16 19:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/14/16 19:52	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/14/16 19:52	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/14/16 19:52	2037-26-5	

MAN
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Sample: RW-3A Lab ID: 40143284002 Collected: 12/07/16 10:10 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 12:53	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 12:53	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 12:53	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 12:53	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.33	1		12/14/16 12:53	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/14/16 12:53	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/14/16 12:53	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/14/16 12:53	2037-26-5	

MAN
2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
 Pace Project No.: 40143284

Sample: RW-3B Lab ID: 40143284003 Collected: 12/07/16 10:15 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 16:56	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 16:56	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 16:56	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 16:56	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.33	1		12/14/16 16:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/14/16 16:56	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/14/16 16:56	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/14/16 16:56	2037-26-5	

Mesa
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Sample: RW-3C Lab ID: 40143284004 Collected: 12/07/16 10:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.5	2.8	1	12/14/16 07:29	12/14/16 18:47	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	63	%	43-130		1	12/14/16 07:29	12/14/16 18:47	4165-60-0	
2-Fluorobiphenyl (S)	76	%	41-130		1	12/14/16 07:29	12/14/16 18:47	321-60-8	
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	0.52J	ug/L	1.0	0.50	1		12/14/16 17:18	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 17:18	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 17:18	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 17:18	127-18-4	
Trichloroethene	4.3	ug/L	1.0	0.33	1		12/14/16 17:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/14/16 17:18	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/14/16 17:18	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/14/16 17:18	2037-26-5	

MAN
2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND

Pace Project No.: 40143284

Sample: MW-45B Lab ID: 40143284005 Collected: 12/07/16 10:35 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 17:40	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 17:40	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 17:40	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 17:40	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.33	1		12/14/16 17:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/14/16 17:40	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/14/16 17:40	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/14/16 17:40	2037-26-5	

mm
 2/2/17

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
 Pace Project No.: 40143284

Sample: MW-45B DUP Lab ID: 40143284006 Collected: 12/07/16 10:35 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 18:02	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 18:02	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 18:02	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 18:02	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.33	1		12/14/16 18:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		12/14/16 18:02	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/14/16 18:02	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/14/16 18:02	2037-26-5	

*MJM
2/2/17*

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
 Pace Project No.: 40143284

Sample: MW-45C Lab ID: 40143284007 Collected: 12/07/16 10:40 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 18:24	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 18:24	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 18:24	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 18:24	127-18-4	
Trichloroethene	2.8	ug/L	1.0	0.33	1		12/14/16 18:24	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/14/16 18:24	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/14/16 18:24	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/14/16 18:24	2037-26-5	

*MM
12/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Sample: MW-26B Lab ID: 40143284008 Collected: 12/07/16 11:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/14/16 18:46	71-55-6	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/14/16 18:46	75-34-3	L3
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/14/16 18:46	75-35-4	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/14/16 18:46	127-18-4	
Trichloroethene	0.35J	ug/L	1.0	0.33	1		12/14/16 18:46	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/14/16 18:46	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/14/16 18:46	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/14/16 18:46	2037-26-5	

MAN
12/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Sample: RW-16 Lab ID: 40143284009 Collected: 12/07/16 11:00 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/14/16 07:29	12/14/16 19:08	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	49	%	43-130		1	12/14/16 07:29	12/14/16 19:08	4165-60-0	
2-Fluorobiphenyl (S)	72	%	41-130		1	12/14/16 07:29	12/14/16 19:08	321-60-8	

*MAM
2, 12/17*

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Sample: MW-52B Lab ID: 40143284010 Collected: 12/07/16 08:20 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Dioxane (p-Dioxane)	<2.8	ug/L	9.4	2.8	1	12/14/16 07:29	12/14/16 19:29	123-91-1	
Surrogates									
Nitrobenzene-d5 (S)	71	%	43-130		1	12/14/16 07:29	12/14/16 19:29	4165-60-0	
2-Fluorobiphenyl (S)	77	%	41-130		1	12/14/16 07:29	12/14/16 19:29	321-60-8	

MAM
2/2/17

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

Sample: MH-18 Lab ID: 40143284011 Collected: 12/07/16 11:30 Received: 12/09/16 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	0.040	ug/L	0.030	0.0061	1	12/14/16 08:18	12/14/16 14:35	83-32-9	
Acenaphthylene	<0.0050	ug/L	0.025	0.0050	1	12/14/16 08:18	12/14/16 14:35	208-96-8	
Anthracene	<0.010	ug/L	0.052	0.010	1	12/14/16 08:18	12/14/16 14:35	120-12-7	
Benzo(a)anthracene	<0.0076	ug/L	0.038	0.0076	1	12/14/16 08:18	12/14/16 14:35	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.053	0.011	1	12/14/16 08:18	12/14/16 14:35	50-32-8	
Benzo(b)fluoranthene	<0.0057	ug/L	0.029	0.0057	1	12/14/16 08:18	12/14/16 14:35	205-99-2	
Benzo(g,h,i)perylene	<0.0068	ug/L	0.034	0.0068	1	12/14/16 08:18	12/14/16 14:35	191-24-2	
Benzo(k)fluoranthene	<0.0076	ug/L	0.038	0.0076	1	12/14/16 08:18	12/14/16 14:35	207-08-9	
Chrysene	<0.013	ug/L	0.065	0.013	1	12/14/16 08:18	12/14/16 14:35	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.050	0.010	1	12/14/16 08:18	12/14/16 14:35	53-70-3	
Fluoranthene	<0.011	ug/L	0.053	0.011	1	12/14/16 08:18	12/14/16 14:35	206-44-0	
Fluorene	0.018J	ug/L	0.040	0.0080	1	12/14/16 08:18	12/14/16 14:35	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.088	0.018	1	12/14/16 08:18	12/14/16 14:35	193-39-5	
1-Methylnaphthalene	0.012J	ug/L	0.030	0.0059	1	12/14/16 08:18	12/14/16 14:35	90-12-0	
2-Methylnaphthalene	0.0074J	ug/L	0.024	0.0049	1	12/14/16 08:18	12/14/16 14:35	91-57-6	
Naphthalene	<0.018	ug/L	0.092	0.018	1	12/14/16 08:18	12/14/16 14:35	91-20-3	
Phenanthrene	<0.014	ug/L	0.069	0.014	1	12/14/16 08:18	12/14/16 14:35	85-01-8	
Pyrene	<0.0076	ug/L	0.038	0.0076	1	12/14/16 08:18	12/14/16 14:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	25-130		1	12/14/16 08:18	12/14/16 14:35	321-60-8	
Terphenyl-d14 (S)	108	%	13-158		1	12/14/16 08:18	12/14/16 14:35	1718-51-0	

WJ
 2/2/17

REPORT OF LABORATORY ANALYSIS

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



QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND
Pace Project No.: 40143284

DEFINITIONS

- DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
- ND - Not Detected at or above LOD.
- J - Estimated concentration at or above the LOD and below the LOQ.
- LOD - Limit of Detection adjusted for dilution factor and percent moisture.
- LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.
- S - Surrogate
- 1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
- Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
- LCS(D) - Laboratory Control Sample (Duplicate)
- MS(D) - Matrix Spike (Duplicate)
- DUP - Sample Duplicate
- RPD - Relative Percent Difference
- NC - Not Calculable.
- SG - Silica Gel - Clean-Up
- U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.
- N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
- Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
- TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 244144

- [M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
- [1] Requested compound is not in the spike mix, nearest compound had acceptable spike recoveries

ANALYTE QUALIFIERS

- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

*MAN
2/2/17*

REPORT OF LABORATORY ANALYSIS

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