November 21, 2025

Mr. Matthew Vitale
Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
1300 W Clairemont Ave
Eau Claire, WI 54701

Subject: **Fall 2025 Residential Well Groundwater Quality Analytical Results**
Round 55 Sampling Event
Mid-State Disposal Site
Marathon County, Wisconsin
EPA ID #WID9808233082

Dear Mr. Vitale,

Water samples were collected on October 8, 2025, from five private domestic wells (RW-1707, RW-1763, RW-1767, RW-1813 and RW-1834) along Big Rapids Road in the vicinity of the Mid-State Disposal Site in Cleveland, Wisconsin. The wells were sampled as part of the Round 55 Long-term Groundwater Monitoring Event for the Site.

The samples were collected by WSP USA Inc. and analyzed by Pace Analytical Services, Inc. (Pace) located in Green Bay, Wisconsin and Ormond Beach, Florida, and CT Laboratories located in Baraboo, Wisconsin. The data were reviewed against the Quality Assurance Project Plan (QAPP) Remedial Action at Mid-State Disposal Marathon County, Wisconsin (STS 1993) and the QAPP submitted to EPA and Wisconsin Department of Natural Resources (WDNR) on October 7, 2025 (currently in review), to confirm that the sampling and analysis meets the objectives of the QAPP(s).

The analytical results from the Round 55 Residential Well Sampling Event are summarized on Table 1 for Volatile Organic Compounds (VOCs), Table 2 for Inorganic Compounds, and Table 3 for per- and polyfluoroalkyl substances (PFAS) Compounds. The samples were analyzed for VOCs using EPA Method 8260, low-level vinyl chloride using EPA Method 8260C, total iron and total lead using EPA Method 3010A/6020B, and for the WDNR list of 18 PFAS Compounds using EPA Method 537.1. The results were compared to U.S Environmental Protection Agency (EPA) Final Maximum Contaminant Levels (MCLs), EPA Tapwater Regional Screening Levels (RSLs), and WDNR NR140 Public Health Groundwater Quality Standards, Preventive Action Limits (PALs) and Enforcement Standards (ES), as applicable.

The laboratory analytical report indicates that VOCs, including low-level vinyl chloride, were not detected above the limit of detection (method detection limit) in any of the samples analyzed as summarized in Table 1.

Inorganic compounds, summarized in Table 2, were not detected at concentrations at or above their respective PAL or ES in the samples collected from the five residential locations (RW-1707, RW-1763, RW-1767, RW-1813, and RW-1834).

As shown in Table 3, select PFAS constituents were detected in groundwater from three of the five residential well samples (RW-1707, RW-1763, and RW-1834). The sample results from well RW-1707 indicated the presence of PFOS and PFOA at concentrations at or slightly above the EPA MCL of 4 ng/L. All other PFAS detections were below applicable standards or have no standards. The possible source of the PFAS compounds in the residential wells is currently being evaluated.

The data have been validated by the laboratory and by our Senior Quality Assurance Chemist in accordance with the QAPP Remedial Action at Mid-State Disposal Marathon County, Wisconsin (STS 1993) and the QAPP submitted to EPA and WDNR on October 7, 2025 and have been found to be acceptable. Attached to this letter is the Data Quality Review, the reports of Laboratory Analysis with validation qualifiers noted as appropriate, and the chain-of-custody record.

If you have any questions regarding this report, please contact Alison Levinson or Carol Northern at (770) 973-2100.

Sincerely,
WSP USA Inc.

Alison Levinson, P.G.
License No. 1319-13
Senior Geologist

Carol D. Northern
Technical Principal

CC: Mr. Dale Wonn, Weyerhaeuser NR Company
Ms. Giang-Van Nguyen- US EPA Region 5

Attachments:
Tables 1, 2, and 3
Data Quality Review
Laboratory Analytical Report and Chain-of-custody

TABLE 1
LONG TERM GROUNDWATER MONITORING
VOLATILE ORGANIC COMPOUND SUMMARY
RESIDENTIAL MONITORING WELLS
MID-STATE DISPOSAL SITE

Parameter	UNITS	NR140 PAL	NR140 ES	MSLT-RW1707 (WDNR Pt. ID No. 364)	MSLT-RW1763 (WDNR Pt. ID No. 703)	MSLT-RWDUP01-5599 (RW1763)	MSLT-RW1767 (WDNR Pt. ID No. 376)	MSLT-RW1813 (WDNR Pt. ID No. 704)	MSLT-RW1834 (WDNR Pt. ID No. 701)
				LTGWM	LTGWM	LTGWM	LTGWM	LTGWM	LTGWM
				Rnd 55	Rnd 55	Rnd 55	Rnd 55	Rnd 55	Rnd 55
				10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025
Benzene	ug/L	**0.50**	**5.0**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chlorobenzene	ug/L	**20**	**100**	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Chloromethane	ug/L	**3**	**30**	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Methylene chloride	ug/L	**0.50**	**5.0**	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Tetrachloroethylene (PCE)	ug/L	**0.50**	**5.0**	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Trichloroethylene (TCE)	ug/L	**0.50**	**5.0**	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Vinyl chloride	ug/L	**0.02**	**0.2**	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Vinyl chloride (low level)	ug/L	**0.02**	**0.2**	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019

Notes:
Laboratory analyses performed by Pace Analytical Services and CT Laboratories.
< = Less than the Limit of Dectection (LOD) value shown.
ug/L - micrograms per liter

Prepared by: AGL 11/18/2025
Checked By: CDN 11/19/2025

TABLE 2
LONG TERM GROUNDWATER MONITORING
INORGANIC COMPOUND SUMMARY
RESIDENTIAL MONITORING WELLS
MID-STATE DISPOSAL SITE

PARAMETER	UNITS	NR140 PAL	NR 140 ES	MSLT-RW1707 (WDNR Pt. ID No. 364)	MSLT-RW1763 (WDNR Pt. ID No. 703)	MSLT-RWDUP01-5599 (RW1763)	MSLT-RW1767 (WDNR Pt. ID No. 376)	MSLT-RW1813 (WDNR Pt. ID No. 704)	MSLT-RW1834 (WDNR Pt. ID No. 701)
				LTGWM	LTGWM	LTGWM	LTGWM	LTGWM	LTGWM
				Rnd 55	Rnd 55	Rnd 55	Rnd 55	Rnd 55	Rnd 55
				10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025
Iron (Fe), Total	ug/L	**150**	**300**	<58	<58	<58	<58.0	<58	<58
Lead (Pb), Total	ug/L	**1.5**	**15**	**0.63 J**	**0.73 J**	**0.77 J**	**1.1**	**0.87 J**	**0.55 J**

Notes:

Prepared by: AGL 11/18/2025
Checked By: CDN 11/19/2025

Laboratory analyses performed by Pace Analytical Services.
J - Estimated value, detected between the Limit of Detection (LOD) and Limit of Quantitiation (LOQ).
< = Less than the LOD value shown.
ug/L - microgram per liter

TABLE 3
LONG TERM GROUNDWATER MONITORING
PFAS COMPOUND SUMMARY
RESIDENTIAL MONITORING WELLS
MID-STATE DISPOSAL SITE

PARAMETER (ng/L)	Regulatory Standard (ng/L)	MSLT-RW1707 (WDNR Pt. ID No. 364)	MSLT-RW1763 (WDNR Pt. ID No. 703)	MSLT-RWDUP01-5599 (RW1763)	MSLT-RW1767 (WDNR Pt. ID No. 376)	MSLT-RW1813 (WDNR Pt. ID No. 704)	MSLT-RW1834 (WDNR Pt. ID No. 701)
		LTGWM	LTGWM	LTGWM	LTGWM	LTGWM	LTGWM
		Rnd 55	Rnd 55	Rnd 55	Rnd 55	Rnd 55	Rnd 55
		10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025
11Cl-PF3OUdS	NA	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
9Cl-PF3ONS	NA	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
ADONA	NA	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
HFPO-DA	10 (1)	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
NEtFOSAA	NA	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
NMeFOSAA	NA	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
Perfluorobutanesulfonic acid (PFBS)	600 (2)	**7.6**	<1.9	<1.9	<1.8	<1.9	**2.2**
Perfluorodecanoic acid (PFDA)	NA	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
Perfluorohexanoic acid (PFHxA)	990 (2)	**1.2 J**	<1.9	<1.9	<1.8	<1.9	**1.6 J**
Perfluorododecanoic acid (PFDoA)	100 (2)	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
Perfluoroheptanoic acid (PFHpA)	NA	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
Perfluorohexanesulfonic acid (PFHxS)	10 (1)	**8.4**	**0.82 J**	**0.82 J**	<1.8	<1.9	<1.9
Perfluorononanoic acid (PFNA)	10 (1)	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
Perfluorooctanesulfonic acid (PFOS)	4 (1)	**5.9**	**2.5**	**2.6**	<1.8	<1.9	<1.9
Perfluorooctanoic acid (PFOA)	4 (1)	**4.0**	**2.4**	**2.4**	<1.8	<1.9	**1.4 J**
Perfluorotetradecanoic acid (PFTeDA)	2000 (2)	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
Perfluorotridecanoic acid (PFTrDA)	NA	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9
Perfluoroundecanoic acid (PFUnA)	NA	<1.7	<1.9	<1.9	<1.8	<1.9	<1.9

Notes:

Prepared by: AGL 11/18/2025

Checked By: CDN 11/19/2025

ng/L - nanograms per liter

J - Estimated value, detected between the Limit of Detection (LOD) and Limit of Quantitiation (LOQ).

< = Less than the LOQ value shown.

(1) EPA Maximum Contaminant Level (MCL), April 10, 2024

(2) EPA Regional Screening Level for Tapwater (TR=1E-06, HQ=0.1; November 2024), values converted from mg/L to ng/L

NA - Not Applicable

Constituent detected at or above the applicable regulatory standard.

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MEMORANDUM

Date: November 18, 2025

To: Alison Levinson, WSP USA

From: Kathy J. Gunderson, Senior Consultant, Chemical Science

Subject: Data Quality Review of Residential Water Samples Collected October 2025

Project: Site Monitoring, Mid-State Disposal Site, Marathon County, Wisconsin

Project #: US0041460.2682

1.0 Introduction

This memorandum presents the Stage 2B (USEPA 2009) validation of the analytical data from samples collected near the Mid-State Disposal site. Five residential water samples, one field duplicate, and one trip blank were collected October 8, 2025. The samples were analyzed for project volatile organic compounds (VOCs) and total metals (iron and lead) by Pace Analytical Services (Pace), located in Green Bay, Wisconsin. The per- and polyfluorinated alkyl substances (PFAS) analyses were performed at Pace Ormond Beach, Florida. The low-level vinyl chloride analyses were subcontracted by Pace to CT Laboratories of Baraboo, Wisconsin. The methods referenced in **Table 1** were used for analysis.

The quality assurance criteria used to assess the data are from the Quality Assurance Project Plan Mid-State Disposal Site Marathon County, Wisconsin (WSP 2025), the Contract Laboratory Program National Functional Guidelines for Organic and Inorganic Data Review (USEPA 1999, 1994), the Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed using EPA Method 537 (USEPA 2018), the analytical methods, or the professional judgment of the validation chemist. The following laboratory deliverables were evaluated during the review process:

- Chain-of-custody (COC) documentation to assess holding times and verify report completeness
- Laboratory quality control (QC) sample results, including method blanks, surrogate spikes, laboratory control sample/laboratory control sample duplicates (LCS/LCSDs), matrix spike/matrix spike duplicates (MS/MSDs), and laboratory duplicates
- Field QC samples to assess trip blank contamination and field duplicate precision
- Instrument performance and calibration

Field duplicate precision is presented in **Table 2**. An assessment of data quality is presented in Section 3.0. Tables and checklists are located at the end of this memorandum.

2.0 Data Validation Findings

2.1 Custody, Preservation, and Completeness – Acceptable with Discussion

Sample custody was maintained as required from sample collection to receipt at the laboratory. Expect as noted below, the samples were received intact and were properly preserved. The report is complete and contains results for the samples and tests requested on the COC form. The following anomalies do not affect data quality.

- The laboratory flagged the VOC results of several samples because the pH was above the preservation pH of 2 pH units at the time of analysis. Data qualifiers are not required because the samples were analyzed within the seven-day holding time for unpreserved VOC samples.

- The laboratory flagged the PFAS results of several samples because the preservative Trizma was not evident in the samples. Trizma is used as a preservative in chlorinated drinking water to neutralize chlorine. QAPP Worksheet 19/30 does not list Trizma as a preservative for PFAS samples by Method 537.1. Data quality is not affected and qualifiers are not required because the residential water samples are not chlorinated.

2.2 Volatile Organic Analyses

The samples were analyzed for the site-specific VOCs benzene, chlorobenzene, chloromethane, methylene chloride, tetrachloroethene, and trichloroethene by Pace via Method 8260. The samples were analyzed for low-level vinyl chloride by CT Laboratories by Method 8260C.

2.2.1 Holding Times – Acceptable

The samples were analyzed within the method-required holding time of 14 days from collection for preserved water samples or the method-required holding time of seven days from collection for unpreserved water samples.

2.2.2 Instrument Tuning and Mass Calibration – Acceptable

The mass spectrometer tuning compound bromofluorobenzene was analyzed at the required frequency by both laboratories. The relative abundance values are within Functional Guidelines criteria.

2.2.3 Initial Calibration – Acceptable

Initial calibrations were analyzed at the required frequency by both laboratories. The QAPP criteria of relative standard deviation (RSD) values less than or equal to 15 percent or correlation coefficient greater than 0.99 or coefficient of determination greater than 0.99 were met. The relative response factors are greater than the QAPP criterion of 0.010.

2.2.4 Calibration Verification – Acceptable

Calibration verification standards were analyzed at the required frequency by both laboratories. The QAPP criteria of 70 to 130 percent recovery for initial calibration verification standards and percent difference values less than or equal to 20 for continuing calibration verification standards were met. The relative response factors are greater than the QAPP criteria of 0.010.

2.2.5 Blank Analyses – Acceptable

2.2.5.1 Method Blanks

Method blanks were reported at the required frequency of one per batch. Target VOCs were not detected in the method blanks above the limit of detection (LOD, also known as the method detection limit).

2.2.5.2 Trip Blanks

One trip blank is associated with the residential water samples and analyzed by both laboratories. VOCs were not detected above the LOD in the trip blank.

2.2.6 Surrogate Analyses – Acceptable with Discussion

Surrogate compounds were added to the samples, blanks, and QC samples as required. The laboratory control limits were used to evaluate the surrogate recovery results. With one exception, the recovery values are within the laboratory control limits.

- The 1,2-dichloroethane-d_4 surrogate recovery value in the low-level vinyl chloride laboratory control sample duplicate (LCSD) is above the laboratory control limits of 87 to 107 percent at 109 percent. Data qualifiers are not required for laboratory QC samples.

2.2.7 Laboratory Control Sample Analyses – Acceptable

LCS or LCS/LCSD analyses were reported at the required frequency of one per batch by both laboratories. The recovery and relative percent difference (RPD)values are within the laboratory control limits.

2.2.8 Matrix Spike/Matrix Spike Duplicate Analyses – Acceptable with Discussion

MS/MSDs were reported at the required frequency by Pace. The recovery and RPD values are within the laboratory control limits for MS/MSD analyses on project samples.

- MS/MSDs were not reported for low-level vinyl chloride by CT Laboratories. Data qualifiers are not required due to the lack of laboratory QC results.

2.2.9 Internal Standard Evaluation – Acceptable

Internal standards were added to the samples, blanks, and QC samples as required. The recovery and retention time criteria of Functional Guidelines were met.

2.2.10 Laboratory Reporting Limits – Acceptable

The VOCs and target reporting limits (RLs) listed in Table 1 of the QAPP were reported.

2.2.11 Field Duplicates – Acceptable

One field duplicate was collected with the samples. Sample MSLT-RWDUP01-5599 is a field duplicate of sample MSLT-RW1763-5501. An RPD value less than or equal to 30 is considered acceptable precision for water samples. RPD values could not be calculated because positive results were not reported in either sample.

2.2.12 Overall Assessment of Data Usability

The usability of the data is based on the EPA guidance documents noted previously. Upon consideration of the information presented here, the data are acceptable for their intended use.

2.3 Total Metals Analyses

The samples were analyzed for the site-specific total metals iron and lead by Pace via Method 3010A/6020B.

2.3.1 Holding Times – Acceptable

The samples were analyzed within the method-required holding time of 180 days from collection.

2.3.2 Initial Calibration – Acceptable

Initial calibrations and detection limit standards were analyzed daily prior to sample analysis. The QAPP linearity criteria of correlation coefficient greater than or equal to 0.998 and detection limit standard recovery criterion of 70 to 130 percent were met.

2.3.3 Calibration Verifications – Acceptable

Initial calibration verification standards and continuing calibration verification standards were analyzed at the required frequency. The QAPP criteria of 90 to 110 percent recovery was met.

2.3.4 Blank Analyses – Acceptable

Method blanks and calibration blanks were analyzed at the required frequency. Target metals were not detected above the LOD.

2.3.1 ICP Interference Check – Acceptable

ICP interference check samples were analyzed prior to sample analysis. The recovery values of spiked metals are within the QAPP criteria of 80 to 120 percent and the non-spiked metals have absolute values less than one half the reporting limits.

2.3.2 Laboratory Control Sample Analyses – Acceptable

LCSs were analyzed at the required frequency of one per digestion batch. The recovery values are within Functional Guidelines criteria of 80 to 120 percent.

2.3.3 Spiked Sample Analyses – Acceptable

Matrix spike and post digestion spike analyses were performed at the required frequency of one per digestion batch. The recovery values are within the laboratory control limits of 75 to 125 percent for matrix spikes and 80 to 120 percent for post digestion spikes.

2.3.4 Laboratory Duplicate Sample Analyses – Acceptable

Duplicate sample analyses, in the form of MSDs, were performed at the required frequency of one per digestion batch. The RPD values are within the laboratory control limits of less than 20.

2.3.5 ICP Serial Dilution Analysis – Acceptable

Serial dilutions were performed at a frequency of one per batch. The laboratory criteria of percent difference values less than 10 percent for results greater than 50 times the MDL were met.

2.3.6 Internal Standard Evaluation – Acceptable

Internal standards were added to the samples, blanks, and QC samples. The recovery criterion of the method (30 to 120 percent) was met.

2.3.7 Laboratory Reporting Limits – Acceptable

The project-specific metals were reported and the project detection limits listed in Table 1 of the QAPP were met.

2.3.8 Field Duplicates – Acceptable

Sample MSLT-RWDUP01-5599 is a field duplicate of sample MSLT-RW1763-5501. An RPD value less than or equal to 30 is considered acceptable precision for water samples. Field duplicate precision is acceptable as shown in **Table 2.**

2.3.9 Overall Assessment of Data Usability

The usability of the data is based on the EPA guidance documents noted previously. Upon consideration of the information presented here, the data are acceptable for their intended use.

2.4 Per-and Polyfluorinated Alkyl Substances Analysis

The residential water samples and the field duplicate sample were analyzed for PFAS via Method 537.1 by Pace in Ormond Beach, Florida.

2.4.1 Holding Times – Acceptable

The samples were extracted within the QAPP holding time of 28 days from collection and the sample extracts were analyzed within the QAPP holding time of 28 days from extraction.

2.4.2 Initial Calibration - Acceptable

Initial calibrations were analyzed at the required frequency. The QAPP criteria is 50 to 150 percent recovery for low level standards and 70 to 130 percent for standards above the reporting limit. The linearity criteria of the QAPP was met.

2.4.3 Calibration Verification – Acceptable

Initial calibration verification and continuing calibration verification standards were analyzed at the Method frequency. The QAPP criteria of 50 to 150 percent recovery for low level standards and 70 to 130 percent for standards above the reporting limits were met.

2.4.4 Blank Analysis – Acceptable

2.4.4.1 Method Blanks

Method blanks were analyzed at the required frequency of one per extraction batch. PFAS were not detected above the LOD in the method blank.

2.4.5 Surrogate Analysis – Acceptable

Surrogate compounds were added to the samples, blanks, and QC samples as required. The recovery values are within the laboratory control limits of 70 to 130 percent.

2.4.6 Laboratory Control Sample Analysis – Acceptable

LCSs were analyzed at the Method frequency of one LCS and one low-level LCS per extraction batch. The recovery values are within the laboratory criteria of 70 to 130 percent and 50 to 150 percent for the low-level LCS.

2.4.7 Matrix Spike/Matrix Spike Duplicate Analyses – Acceptable

MS/MSD analyses were performed at the required frequency of one pair per 20 field samples. The recovery and RPD values are within the laboratory control limits of 70 to 130 precent and RPD values less than or equal to 30.

2.4.8 Internal Standard Evaluation – Acceptable

Internal standards were added to the samples, blanks, and QC samples. The laboratory response criteria of 50 to 150 percent was met.

2.4.9 Laboratory Reporting Limits – Acceptable

The 18 PFAS compounds listed in Table 3 of the QAPP were reported. The target reporting limits of Table 3 were met.

2.4.10 Field Duplicates – Acceptable

Sample MSLT-RWDUP01-5599 is a field duplicate of sample MSLT-RW1763-5501. An RPD value less than or equal to 30 is considered acceptable precision for water samples. Field duplicate precision is acceptable as shown in **Table 2.**

2.4.11 Overall Assessment of Data Usability

The usability of the data is based on the EPA guidance documents noted previously. Upon consideration of the information presented here, the data, as qualified, are acceptable for their intended use.

3.0 Assessment of Data Quality Objectives

3.1 Accuracy

Accuracy is the degree of agreement between a measurement and the accepted reference or true value. The level of accuracy is determined by examination of surrogates, internal standards, isotope dilution standards, MS/MSDs, LCSs, method blanks, field blanks, and trip blanks, as appropriate. The surrogate, MS/MSD, and LCS recovery values were compared to the laboratory QC limits. Method blanks, field blanks, and trip blanks are analyzed to identify compounds that could be introduced during the sampling, laboratory preparation, or analysis phase (i.e., laboratory contaminants) and lead to inaccurate results.

The accuracy of the VOC data is good. The internal standard, LCS, and project MS/MSD recovery values are within the laboratory QC limits. The high LCSD surrogate recovery does not affect data accuracy. The method blanks and trip blank are free of target analytes.

The accuracy of the metals data is very good. The internal standard, LCS, and MS/MSD recovery values are within the laboratory QC limits and the method blank is free of target metals.

The accuracy of the PFAS data is very good. The surrogate, internal standard, LCS, MS, and MSD recovery values are within the laboratory QC limits and PFAS were not detected in the method blank

3.2 Precision

Precision is a measure of the mutual agreement among individual measurements of the same property, under prescribed similar conditions. Precision is determined through analysis of MS/MSDs, sample duplicates, and field duplicate samples. Duplicate samples are evaluated for precision in terms of RPD. RPD is defined as the difference between the duplicate results divided by the mean and expressed as a percent.

The precision of the VOC data is very good. The field duplicate, LCS/LCSD, and MS/MSD RPD values are acceptable.

The precision of the total metals data is acceptable. The RPD values of the MS/MSD and the field duplicate are acceptable.

The precision of the PFAS data is good. The RPD values of the MS/MSD are within the laboratory QC limits and the field duplicate RPD values are within the project criteria.

3.3 Representativeness

Representativeness is the extent to which the data reflect the actual contaminant levels present in the samples. Representativeness is assessed through method and field blanks, and proper preservation and handling. Method and field blank analyses allow for the detection of artifacts that may be reported as false positive results. Proper sample preservation and handling ensure that sample results reflect the actual sample concentrations.

The data are assumed to be representative because the samples were preserved as specified in the QAPP, handled properly, and the samples were prepared and analyzed within the required holding times. The method blanks and trip blank are free of target compounds.

3.4 Comparability

Comparability is a measure of how easily the data set can be compared and combined with other data sets. The data are assumed to be comparable as standard EPA methods were used to analyze the samples, the method QC criteria were generally met, and routine detection limits were reported.

3.5 Completeness

Completeness is expressed as the ratio of valid results to the amount of data expected to be obtained under normal conditions. Completeness is determined by assessing the number of samples for which valid results were obtained versus the number of samples that were submitted to the laboratory for analysis. Valid results are results that are determined to be usable during the data validation review process.

The completeness of the Mid-State 2025 residential monitoring data in Pace report 40302996 is 100 percent, which meets the QAPP criteria of greater than 95 percent.

4.0 Data Qualifier Definitions

4.1 Inorganic Data Qualifiers

The following data validation qualifiers were used in the review of this data set. These qualifiers are from the Contract Laboratory Program National Functional Guidelines for Inorganic Data Review.

U The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

J The associated value is an estimated quantity.

UJ The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

R The data are unusable. (Note: Analyte may or may not be present)

4.2 Organic Data Qualifiers

The following data validation qualifiers were used in the review of the organic analyses in this data set. These qualifiers are from the Contract Laboratory Program National Functional Guidelines for Organic Data Review.

U The analyte was analyzed for but not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

R The sample results are rejected due to serious deficiencies in the ability to analyze the samples and meet quality control criteria. The presence or absence of the analyte cannot be verified.

5.0 References

USEPA. 1996. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846) Third Edition, Updates I, II, IIA, IIB, and III. United States Environmental Protection Agency. Office of Solid Waste. December 1996.

USEPA. 1999. Contract Laboratory Program National Functional Guidelines for Organic Data Review. U.S. Environmental Protection Agency Office of Emergency and Remedial Response. EPA540/R-99/008. October 1999.

USEPA. 2009. Guidance of Labeling Externally Validated Laboratory Analytical Data for Superfund Use. United States Environmental Protection Agency. Office of Solid Waste and Emergence Response. EPA 540-R-08-005. January 2009.

WSP. 2025. Quality Assurance Project Plan Mid-State Disposal Site Marathon County, Wisconsin, WSP USA Inc., Marietta, GA. August 29, 2025.

Table 1 – Sample Data Reviewed

Sample ID	Laboratory ID	VOCs	Vinyl Chloride	Metals	PFAS
MSLT-RW1707-5501	40302996001	X	X	X	X
MSLT-RW1763-5501	40302996002	X	X	X	X
MSLT-RW1813-5501	40302996003	X	X	X	X
MSLT-RW1767-5501	40302996004	X	X	X	X
MSLT-RW1834-5501	40302996005	X	X	X	X
MSLT-RWDUP01-5599	40302996006	X	X	X	X
MSLT-RWTB01-5501	40302996007	X	X		

VOCs – Volatile Organic Compounds benzene, chlorobenzene, chloromethane, methylene chloride, tetrachloroethene, and trichloroethene by Method 8260 (USEPA 1996)
Vinyl chloride – Low-level vinyl chloride by Method 8260C (USEPA 1996)
Metals – Total iron and lead by Method 3010/6020 (USEPA 1996)
PFAS – Per-and Polyfluoroalkyl Substances by Method 537.1 (USEPA 2009)

Table 2 – Field Duplicate Precision

Analyte	Units	MSLT-RW-1763-5501 Results	MSLT-RWDUP01-5599 Results	RPD
Total Lead	µg/L	0.73	0.77	5.3
PFHxS	ng/L	0.00082	0.00082	0
PFOS	ng/L	0.0025	0.0026	3.9
PFOA	ng/L	0.0024	0.0024	0

RPD – Relative percent difference
< -- Not detected above the listed LOD
NC – Not calculatable
Bold RPD values exceed the project criterion of 30

Text and tables reviewed by: CLC 11/17/2025

STAGE 2B
ORGANIC ANALYSIS VALIDATION CHECKLIST

Client:	WSP Project Number: US0041460.2682
Site/Project Name: Mid-State Landfill - Residential	Laboratory/Location: Pace Green Bay, WI & Ormond Beach, FL
Sample Collection Dates: October 8, 2025	Function Guidelines Revision: 2020
Method: VOCs 8260/8260C & PFAS 537.1	QAPP/SAP:
Validated by/date: Kathy J. Gunderson 11/13/25	Reviewed by/date: CLC 11/17/25

Use the following checklist to document the Stage 2B validation of the above-mentioned data. Identify the criteria used, deviations from project documents, and qualified results. Attach support documentation and additional sheets as needed.

Parameter	Criteria	Acceptable	Unacceptable	Comment
Custody Maintained	--	X		
Condition upon Receipt	--	X		
VOA Vial Headspace	--	X		
Sample Preservation - Temperature	QAPP	X		
Sample Preservation - Chemical	QAPP	X		
Holding Times – Preparation	QAPP	X		See Section 2.1
Holding Times - Analysis	QAPP	X		
Method Blank Results	QAPP	X		
Trip/Field Blank Results	QAPP	X		
Surrogate Recovery	QAPP	X		See Section 2.2.6
LCS/LCSD – Recovery	QAPP	X		
LCSD/LCSD - RPD	QAPP	X		
MS/MSD – Recovery	QAPP	X		
MS/MSD - RPD	QAPP	X		
Field Duplicate	QAPP	X		
Detection Limit/Sensitivity	QAPP	X		
Mass Tuning	QAPP	X		
GC Instrument Performance – Resolution & DDT/Endrin Breakdown	--			
Initial Calibrations	QAPP	X		
Continuing Calibrations	QAPP	X		
Internal Standards	QAPP	X		
Retention Time Shifts	QAPP	X		
Multiple Dilutions/Analyses	QAPP	X		
Analytical Sequence	QAPP	X		
GC Column Agreement	NA			
Percent Solids	NA			
Deliverables Complete	QAPP	X		
Other:	--			

Additional Comments:_____

Results are useable for their intended purpose: ☐ With Qualification ☒ Without Qualification

STAGE 2B
INORGANIC ANALYSIS VALIDATION CHECKLIST

Client:	WSP Project Number: US0041460.2682
Site/Project Name: Mid-State Landfill - Residential	Laboratory/Location: Pace Green Bay, WI
Sample Collection Dates: October 8, 2025	Function Guidelines Revision: 2020
Method: 3010A/6020B	QAPP/SAP:
Validated by/date: Kathy J. Gunderson 11/13/25	Reviewed by/date: CLC 11/17/25

Use the following checklist to document the Stage 2B validation of the above-mentioned data. Identify the criteria used, deviations from project documents, and qualified results. Attach support documentation and additional sheets as needed.

Parameter	Criteria	Acceptable	Unacceptable	Comment
Custody Maintained	--	X		
Condition upon Receipt	--	X		
Sample Preservation - Temperature	QAPP	X		
Sample Preservation - Chemical	QAPP	X		
Holding Times – Preparation	QAPP	X		
Holding Times - Analysis	QAPP	X		
Method Blank Results	QAPP	X		
Field Blank Results	QAPP	X		
LCS/LCSD - Recovery	QAPP	X		
LCS/LCSD - RPD	QAPP	X		
MS/MSD – Recovery	QAPP	X		
Duplicate/MSD - RPD	QAPP	X		
PDS – Recovery	QAPP	X		
Serial Dilution	QAPP	X		
Field Duplicate	QAPP	X		
Detection Limit/Sensitivity	QAPP	X		
Initial Calibrations	QAPP	X		
Continuing Calibrations	QAPP	X		
Initial & Continuing Blanks	QAPP	X		
Low Level Standard	QAPP	X		
Internal Standards	QAPP	X		
Multiple Dilutions/Analyses	QAPP	X		
Analytical Sequence	QAPP	X		
Total ≥ Dissolved	--			
Percent Solids	--			
Deliverables Complete	QAPP	X		
Other:	--			

Additional Comments:_____

Results are useable for their intended purpose: ☐ With Qualification ☒ Without Qualification

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

November 10, 2025

Alison Levinson
WSP USA
1880 West Oak Parkway, Bldg100
Suite 106
Marietta, GA 30062

RE: Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Dear Alison Levinson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay
- Pace Analytical Services - Ormond Beach

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

Sincerely,

Hayden Putt
hayden.putt@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kathy Gunderson, WSP USA
Carole Northern, EARTHCON SITE SERVICES, INC.
Marie Weber-Goeke, WSP USA
Sofie Weber-Snapp, WSP USA

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CERTIFICATIONS

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Utah
Utah FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302
Florida DOH Certification # E87948
Illinois EPA Certification # 200050
ISO/IEC 17025 (A2LA) Certification # 6154.01
Kentucky UST DEP Certification # 123059
Louisiana DEQ Certification # 04168
Minnesota DOH Certification # 055-999-334
New York DOH Certification # 12064
North Dakota DEQ Certification # R-150
ISO/IEC 17025 (A2LA) Certification # 6154.01
South Carolina DES Certification # 83006001
Texas TCEQ Certification # T104704529
USDA APHIS Foreign Soil Permit # 525-24-3-36355
U.S. Fish & Wildlife Service Permit # 51774A
Virginia VELAP Certification # 460263
Wisconsin DATCP Certification # 444
Wisconsin DNR Certification # 405132750

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SAMPLE SUMMARY

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40302996001	**Point No. 364 MSLT-RW1707-5501**	Water	10/08/25 09:55	10/09/25 08:30
40302996002	**Point No. 703 MSLT-RW1763-5501**	Water	10/08/25 15:50	10/09/25 08:30
40302996003	**Point No. 704 MSLT-RW1813-5501**	Water	10/08/25 12:40	10/09/25 08:30
40302996004	**Point No. 376 MSLT-RW1767-5501**	Water	10/08/25 11:22	10/09/25 08:30
40302996005	**Point No. 701 MSLT-RW1834-5501**	Water	10/08/25 14:35	10/09/25 08:30
40302996006	**MSLT-RWDUP01-5599**	Water	10/08/25 00:01	10/09/25 08:30
40302996007	**Point No. 999 MSLT-RWTB01-5501**	Water	10/08/25 08:00	10/09/25 08:30

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SAMPLE ANALYTE COUNT

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40302996001	**Point No. 364 MSLT-RW1707-5501**	EPA 6020B	DS1	2	PASI-G
		EPA 8260	NB	10	PASI-G
		EPA 537.1	HL	22	PASI-O
40302996002	**Point No. 703 MSLT-RW1763-5501**	EPA 6020B	DS1	2	PASI-G
		EPA 8260	NB	10	PASI-G
		EPA 537.1	HL	22	PASI-O
40302996003	**Point No. 704 MSLT-RW1813-5501**	EPA 6020B	DS1	2	PASI-G
		EPA 8260	NB	10	PASI-G
		EPA 537.1	HL	22	PASI-O
40302996004	**Point No. 376 MSLT-RW1767-5501**	EPA 6020B	DS1	2	PASI-G
		EPA 8260	NB	10	PASI-G
		EPA 537.1	HL	22	PASI-O
40302996005	**Point No. 701 MSLT-RW1834-5501**	EPA 6020B	DS1	2	PASI-G
		EPA 8260	NB	10	PASI-G
		EPA 537.1	HL	22	PASI-O
40302996006	**MSLT-RWDUP01-5599**	EPA 6020B	DS1	2	PASI-G
		EPA 8260	NB	10	PASI-G
		EPA 537.1	HL	22	PASI-O
40302996007	**Point No. 999 MSLT-RWTB01-5501**	EPA 8260	NB	10	PASI-G

PASI-G = Pace Analytical Services - Green Bay
PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Sample: Point No. 364 MSLT-RW1707-5501 **Lab ID: 40302996001** Collected: 10/08/25 09:55 Received: 10/09/25 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A								
	Pace Analytical Services - Green Bay								
Iron	**<58.0**	ug/L	100	58.0	1	10/30/25 08:42	11/04/25 02:11	7439-89-6	
Lead	**0.63J**	ug/L	1.0	0.24	1	10/30/25 08:42	11/04/25 02:11	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/13/25 18:38	71-43-2	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/13/25 18:38	108-90-7	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/13/25 18:38	74-87-3	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/13/25 18:38	75-09-2	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/13/25 18:38	127-18-4	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/13/25 18:38	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/13/25 18:38	75-01-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/13/25 18:38	2199-69-1	pH
4-Bromofluorobenzene (S)	97	%	70-130		1		10/13/25 18:38	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		10/13/25 18:38	2037-26-5	
537.1 PFAS Compounds, Water	Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
	Pace Analytical Services - Ormond Beach								
11Cl-PF3OUdS	**<0.00057**	ug/L	0.0017	0.00057	1	10/16/25 00:33	10/16/25 21:19	763051-92-9	P4
9Cl-PF3ONS	**<0.00047**	ug/L	0.0017	0.00047	1	10/16/25 00:33	10/16/25 21:19	756426-58-1	P4
ADONA	**<0.00064**	ug/L	0.0017	0.00064	1	10/16/25 00:33	10/16/25 21:19	919005-14-4	P4
HFPO-DA	**<0.00059**	ug/L	0.0017	0.00059	1	10/16/25 00:33	10/16/25 21:19	13252-13-6	P4
NEtFOSAA	**<0.00083**	ug/L	0.0017	0.00083	1	10/16/25 00:33	10/16/25 21:19	2991-50-6	P4
NMeFOSAA	**<0.00062**	ug/L	0.0017	0.00062	1	10/16/25 00:33	10/16/25 21:19	2355-31-9	P4
PFBS	**0.0076**	ug/L	0.0017	0.00059	1	10/16/25 00:33	10/16/25 21:19	375-73-5	P4
PFDA	**<0.00086**	ug/L	0.0017	0.00086	1	10/16/25 00:33	10/16/25 21:19	335-76-2	P4
PFHxA	**0.0012J**	ug/L	0.0017	0.0011	1	10/16/25 00:33	10/16/25 21:19	307-24-4	P4
PFDoA	**<0.00057**	ug/L	0.0017	0.00057	1	10/16/25 00:33	10/16/25 21:19	307-55-1	P4
PFHpA	**<0.00090**	ug/L	0.0017	0.00090	1	10/16/25 00:33	10/16/25 21:19	375-85-9	P4
PFHxS	**0.0084**	ug/L	0.0017	0.00065	1	10/16/25 00:33	10/16/25 21:19	355-46-4	P4
PFNA	**<0.00051**	ug/L	0.0017	0.00051	1	10/16/25 00:33	10/16/25 21:19	375-95-1	P4
PFOS	**0.0059**	ug/L	0.0017	0.0011	1	10/16/25 00:33	10/16/25 21:19	1763-23-1	P4
PFOA	**0.0040**	ug/L	0.0017	0.00078	1	10/16/25 00:33	10/16/25 21:19	335-67-1	P4
PFTeDA	**<0.00056**	ug/L	0.0017	0.00056	1	10/16/25 00:33	10/16/25 21:19	376-06-7	P4
PFTrDA	**<0.00058**	ug/L	0.0017	0.00058	1	10/16/25 00:33	10/16/25 21:19	72629-94-8	P4
PFUnA	**<0.00058**	ug/L	0.0017	0.00058	1	10/16/25 00:33	10/16/25 21:19	2058-94-8	P4
Surrogates									
13C2-PFDA (S)	95	%	70-130		1	10/16/25 00:33	10/16/25 21:19		
13C2-PFHxA (S)	78	%	70-130		1	10/16/25 00:33	10/16/25 21:19		
NEtFOSAA-d5 (S)	88	%	70-130		1	10/16/25 00:33	10/16/25 21:19		
HFPO-DAS (S)	82	%	70-130		1	10/16/25 00:33	10/16/25 21:19		

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ANALYTICAL RESULTS

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Sample: Point No. 703 MSLT-RW1763-5501 **Lab ID: 40302996002** Collected: 10/08/25 15:50 Received: 10/09/25 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A								
	Pace Analytical Services - Green Bay								
Iron	**<58.0**	ug/L	100	58.0	1	10/30/25 08:42	11/04/25 02:16	7439-89-6	
Lead	**0.73J**	ug/L	1.0	0.24	1	10/30/25 08:42	11/04/25 02:16	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/13/25 18:54	71-43-2	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/13/25 18:54	108-90-7	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/13/25 18:54	74-87-3	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/13/25 18:54	75-09-2	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/13/25 18:54	127-18-4	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/13/25 18:54	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/13/25 18:54	75-01-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/13/25 18:54	2199-69-1	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/13/25 18:54	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		10/13/25 18:54	2037-26-5	
537.1 PFAS Compounds, Water	Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
	Pace Analytical Services - Ormond Beach								
11Cl-PF3OUdS	**<0.00062**	ug/L	0.0019	0.00062	1	10/16/25 00:33	10/16/25 21:50	763051-92-9	P4
9Cl-PF3ONS	**<0.00051**	ug/L	0.0019	0.00051	1	10/16/25 00:33	10/16/25 21:50	756426-58-1	P4
ADONA	**<0.00070**	ug/L	0.0019	0.00070	1	10/16/25 00:33	10/16/25 21:50	919005-14-4	P4
HFPO-DA	**<0.00064**	ug/L	0.0019	0.00064	1	10/16/25 00:33	10/16/25 21:50	13252-13-6	P4
NEtFOSAA	**<0.00089**	ug/L	0.0019	0.00089	1	10/16/25 00:33	10/16/25 21:50	2991-50-6	P4
NMeFOSAA	**<0.00067**	ug/L	0.0019	0.00067	1	10/16/25 00:33	10/16/25 21:50	2355-31-9	P4
PFBS	**<0.00064**	ug/L	0.0019	0.00064	1	10/16/25 00:33	10/16/25 21:50	375-73-5	P4
PFDA	**<0.00093**	ug/L	0.0019	0.00093	1	10/16/25 00:33	10/16/25 21:50	335-76-2	P4
PFHxA	**<0.0012**	ug/L	0.0019	0.0012	1	10/16/25 00:33	10/16/25 21:50	307-24-4	P4
PFDoA	**<0.00061**	ug/L	0.0019	0.00061	1	10/16/25 00:33	10/16/25 21:50	307-55-1	P4
PFHpA	**<0.00097**	ug/L	0.0019	0.00097	1	10/16/25 00:33	10/16/25 21:50	375-85-9	P4
PFHxS	**0.00082J**	ug/L	0.0019	0.00071	1	10/16/25 00:33	10/16/25 21:50	355-46-4	P4
PFNA	**<0.00056**	ug/L	0.0019	0.00056	1	10/16/25 00:33	10/16/25 21:50	375-95-1	P4
PFOS	**0.0025**	ug/L	0.0019	0.0012	1	10/16/25 00:33	10/16/25 21:50	1763-23-1	P4
PFOA	**0.0024**	ug/L	0.0019	0.00084	1	10/16/25 00:33	10/16/25 21:50	335-67-1	P4
PFTeDA	**<0.00060**	ug/L	0.0019	0.00060	1	10/16/25 00:33	10/16/25 21:50	376-06-7	P4
PFTrDA	**<0.00063**	ug/L	0.0019	0.00063	1	10/16/25 00:33	10/16/25 21:50	72629-94-8	P4
PFUnA	**<0.00063**	ug/L	0.0019	0.00063	1	10/16/25 00:33	10/16/25 21:50	2058-94-8	P4
Surrogates									
13C2-PFDA (S)	95	%	70-130		1	10/16/25 00:33	10/16/25 21:50		
13C2-PFHxA (S)	86	%	70-130		1	10/16/25 00:33	10/16/25 21:50		
NEtFOSAA-d5 (S)	89	%	70-130		1	10/16/25 00:33	10/16/25 21:50		
HFPO-DAS (S)	84	%	70-130		1	10/16/25 00:33	10/16/25 21:50		

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ANALYTICAL RESULTS

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Sample: Point No. 704 MSLT-RW1813-5501 **Lab ID: 40302996003** Collected: 10/08/25 12:40 Received: 10/09/25 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A								
	Pace Analytical Services - Green Bay								
Iron	**<58.0**	ug/L	100	58.0	1	10/30/25 08:42	11/04/25 02:20	7439-89-6	
Lead	**0.87J**	ug/L	1.0	0.24	1	10/30/25 08:42	11/04/25 02:20	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/13/25 19:09	71-43-2	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/13/25 19:09	108-90-7	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/13/25 19:09	74-87-3	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/13/25 19:09	75-09-2	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/13/25 19:09	127-18-4	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/13/25 19:09	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/13/25 19:09	75-01-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/13/25 19:09	2199-69-1	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/13/25 19:09	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		10/13/25 19:09	2037-26-5	
537.1 PFAS Compounds, Water	Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
	Pace Analytical Services - Ormond Beach								
11Cl-PF3OUdS	**<0.00061**	ug/L	0.0019	0.00061	1	10/16/25 00:33	10/16/25 22:21	763051-92-9	
9Cl-PF3ONS	**<0.00050**	ug/L	0.0019	0.00050	1	10/16/25 00:33	10/16/25 22:21	756426-58-1	
ADONA	**<0.00069**	ug/L	0.0019	0.00069	1	10/16/25 00:33	10/16/25 22:21	919005-14-4	
HFPO-DA	**<0.00063**	ug/L	0.0019	0.00063	1	10/16/25 00:33	10/16/25 22:21	13252-13-6	
NEtFOSAA	**<0.00088**	ug/L	0.0019	0.00088	1	10/16/25 00:33	10/16/25 22:21	2991-50-6	
NMeFOSAA	**<0.00066**	ug/L	0.0019	0.00066	1	10/16/25 00:33	10/16/25 22:21	2355-31-9	
PFBS	**<0.00063**	ug/L	0.0019	0.00063	1	10/16/25 00:33	10/16/25 22:21	375-73-5	
PFDA	**<0.00092**	ug/L	0.0019	0.00092	1	10/16/25 00:33	10/16/25 22:21	335-76-2	
PFHxA	**<0.0012**	ug/L	0.0019	0.0012	1	10/16/25 00:33	10/16/25 22:21	307-24-4	
PFDoA	**<0.00061**	ug/L	0.0019	0.00061	1	10/16/25 00:33	10/16/25 22:21	307-55-1	
PFHpA	**<0.00096**	ug/L	0.0019	0.00096	1	10/16/25 00:33	10/16/25 22:21	375-85-9	
PFHxS	**<0.00070**	ug/L	0.0019	0.00070	1	10/16/25 00:33	10/16/25 22:21	355-46-4	
PFNA	**<0.00055**	ug/L	0.0019	0.00055	1	10/16/25 00:33	10/16/25 22:21	375-95-1	
PFOS	**<0.0011**	ug/L	0.0019	0.0011	1	10/16/25 00:33	10/16/25 22:21	1763-23-1	
PFOA	**<0.00083**	ug/L	0.0019	0.00083	1	10/16/25 00:33	10/16/25 22:21	335-67-1	
PFTeDA	**<0.00060**	ug/L	0.0019	0.00060	1	10/16/25 00:33	10/16/25 22:21	376-06-7	
PFTrDA	**<0.00062**	ug/L	0.0019	0.00062	1	10/16/25 00:33	10/16/25 22:21	72629-94-8	
PFUnA	**<0.00062**	ug/L	0.0019	0.00062	1	10/16/25 00:33	10/16/25 22:21	2058-94-8	
Surrogates									
13C2-PFDA (S)	91	%	70-130		1	10/16/25 00:33	10/16/25 22:21		
13C2-PFHxA (S)	91	%	70-130		1	10/16/25 00:33	10/16/25 22:21		
NEtFOSAA-d5 (S)	86	%	70-130		1	10/16/25 00:33	10/16/25 22:21		
HFPO-DAS (S)	90	%	70-130		1	10/16/25 00:33	10/16/25 22:21		

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ANALYTICAL RESULTS

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Sample: Point No. 376 MSLT-RW1767-5501 **Lab ID: 40302996004** Collected: 10/08/25 11:22 Received: 10/09/25 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A								
	Pace Analytical Services - Green Bay								
Iron	**<58.0**	ug/L	100	58.0	1	10/30/25 08:42	11/04/25 02:25	7439-89-6	
Lead	**1.1**	ug/L	1.0	0.24	1	10/30/25 08:42	11/04/25 02:25	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/13/25 19:25	71-43-2	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/13/25 19:25	108-90-7	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/13/25 19:25	74-87-3	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/13/25 19:25	75-09-2	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/13/25 19:25	127-18-4	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/13/25 19:25	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/13/25 19:25	75-01-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/13/25 19:25	2199-69-1	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/13/25 19:25	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		10/13/25 19:25	2037-26-5	
537.1 PFAS Compounds, Water	Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
	Pace Analytical Services - Ormond Beach								
11Cl-PF3OUdS	**<0.00060**	ug/L	0.0018	0.00060	1	10/16/25 00:33	10/16/25 22:37	763051-92-9	
9Cl-PF3ONS	**<0.00049**	ug/L	0.0018	0.00049	1	10/16/25 00:33	10/16/25 22:37	756426-58-1	
ADONA	**<0.00067**	ug/L	0.0018	0.00067	1	10/16/25 00:33	10/16/25 22:37	919005-14-4	
HFPO-DA	**<0.00062**	ug/L	0.0018	0.00062	1	10/16/25 00:33	10/16/25 22:37	13252-13-6	
NEtFOSAA	**<0.00086**	ug/L	0.0018	0.00086	1	10/16/25 00:33	10/16/25 22:37	2991-50-6	
NMeFOSAA	**<0.00064**	ug/L	0.0018	0.00064	1	10/16/25 00:33	10/16/25 22:37	2355-31-9	
PFBS	**<0.00062**	ug/L	0.0018	0.00062	1	10/16/25 00:33	10/16/25 22:37	375-73-5	
PFDA	**<0.00090**	ug/L	0.0018	0.00090	1	10/16/25 00:33	10/16/25 22:37	335-76-2	
PFHxA	**<0.0012**	ug/L	0.0018	0.0012	1	10/16/25 00:33	10/16/25 22:37	307-24-4	
PFDoA	**<0.00059**	ug/L	0.0018	0.00059	1	10/16/25 00:33	10/16/25 22:37	307-55-1	
PFHpA	**<0.00093**	ug/L	0.0018	0.00093	1	10/16/25 00:33	10/16/25 22:37	375-85-9	
PFHxS	**<0.00068**	ug/L	0.0018	0.00068	1	10/16/25 00:33	10/16/25 22:37	355-46-4	
PFNA	**<0.00054**	ug/L	0.0018	0.00054	1	10/16/25 00:33	10/16/25 22:37	375-95-1	
PFOS	**<0.0011**	ug/L	0.0018	0.0011	1	10/16/25 00:33	10/16/25 22:37	1763-23-1	
PFOA	**<0.00081**	ug/L	0.0018	0.00081	1	10/16/25 00:33	10/16/25 22:37	335-67-1	
PFTeDA	**<0.00058**	ug/L	0.0018	0.00058	1	10/16/25 00:33	10/16/25 22:37	376-06-7	
PFTrDA	**<0.00061**	ug/L	0.0018	0.00061	1	10/16/25 00:33	10/16/25 22:37	72629-94-8	
PFUnA	**<0.00061**	ug/L	0.0018	0.00061	1	10/16/25 00:33	10/16/25 22:37	2058-94-8	
Surrogates									
13C2-PFDA (S)	90	%	70-130		1	10/16/25 00:33	10/16/25 22:37		
13C2-PFHxA (S)	86	%	70-130		1	10/16/25 00:33	10/16/25 22:37		
NEtFOSAA-d5 (S)	87	%	70-130		1	10/16/25 00:33	10/16/25 22:37		
HFPO-DAS (S)	85	%	70-130		1	10/16/25 00:33	10/16/25 22:37		

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ANALYTICAL RESULTS

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Sample: Point No. 701 MSLT-RW1834-5501 **Lab ID: 40302996005** Collected: 10/08/25 14:35 Received: 10/09/25 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A								
	Pace Analytical Services - Green Bay								
Iron	**<58.0**	ug/L	100	58.0	1	10/30/25 08:42	11/04/25 02:29	7439-89-6	
Lead	**0.55J**	ug/L	1.0	0.24	1	10/30/25 08:42	11/04/25 02:29	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/13/25 19:41	71-43-2	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/13/25 19:41	108-90-7	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/13/25 19:41	74-87-3	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/13/25 19:41	75-09-2	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/13/25 19:41	127-18-4	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/13/25 19:41	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/13/25 19:41	75-01-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/13/25 19:41	2199-69-1	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/13/25 19:41	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		10/13/25 19:41	2037-26-5	
537.1 PFAS Compounds, Water	Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
	Pace Analytical Services - Ormond Beach								
11Cl-PF3OUdS	**<0.00061**	ug/L	0.0019	0.00061	1	10/16/25 00:33	10/16/25 22:52	763051-92-9	
9Cl-PF3ONS	**<0.00050**	ug/L	0.0019	0.00050	1	10/16/25 00:33	10/16/25 22:52	756426-58-1	
ADONA	**<0.00069**	ug/L	0.0019	0.00069	1	10/16/25 00:33	10/16/25 22:52	919005-14-4	
HFPO-DA	**<0.00063**	ug/L	0.0019	0.00063	1	10/16/25 00:33	10/16/25 22:52	13252-13-6	
NEtFOSAA	**<0.00088**	ug/L	0.0019	0.00088	1	10/16/25 00:33	10/16/25 22:52	2991-50-6	
NMeFOSAA	**<0.00066**	ug/L	0.0019	0.00066	1	10/16/25 00:33	10/16/25 22:52	2355-31-9	
PFBS	**0.0022**	ug/L	0.0019	0.00063	1	10/16/25 00:33	10/16/25 22:52	375-73-5	
PFDA	**<0.00092**	ug/L	0.0019	0.00092	1	10/16/25 00:33	10/16/25 22:52	335-76-2	
PFHxA	**0.0016J**	ug/L	0.0019	0.0012	1	10/16/25 00:33	10/16/25 22:52	307-24-4	
PFDoA	**<0.00061**	ug/L	0.0019	0.00061	1	10/16/25 00:33	10/16/25 22:52	307-55-1	
PFHpA	**<0.00096**	ug/L	0.0019	0.00096	1	10/16/25 00:33	10/16/25 22:52	375-85-9	
PFHxS	**<0.00070**	ug/L	0.0019	0.00070	1	10/16/25 00:33	10/16/25 22:52	355-46-4	
PFNA	**<0.00055**	ug/L	0.0019	0.00055	1	10/16/25 00:33	10/16/25 22:52	375-95-1	
PFOS	**<0.0011**	ug/L	0.0019	0.0011	1	10/16/25 00:33	10/16/25 22:52	1763-23-1	
PFOA	**0.0014J**	ug/L	0.0019	0.00083	1	10/16/25 00:33	10/16/25 22:52	335-67-1	
PFTeDA	**<0.00060**	ug/L	0.0019	0.00060	1	10/16/25 00:33	10/16/25 22:52	376-06-7	
PFTrDA	**<0.00062**	ug/L	0.0019	0.00062	1	10/16/25 00:33	10/16/25 22:52	72629-94-8	
PFUnA	**<0.00062**	ug/L	0.0019	0.00062	1	10/16/25 00:33	10/16/25 22:52	2058-94-8	
Surrogates									
13C2-PFDA (S)	105	%	70-130		1	10/16/25 00:33	10/16/25 22:52		
13C2-PFHxA (S)	93	%	70-130		1	10/16/25 00:33	10/16/25 22:52		
NEtFOSAA-d5 (S)	97	%	70-130		1	10/16/25 00:33	10/16/25 22:52		
HFPO-DAS (S)	96	%	70-130		1	10/16/25 00:33	10/16/25 22:52		

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ANALYTICAL RESULTS

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Sample: MSLT-RWDUP01-5599 **Lab ID: 40302996006** Collected: 10/08/25 00:01 Received: 10/09/25 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A								
	Pace Analytical Services - Green Bay								
Iron	**<58.0**	ug/L	100	58.0	1	10/30/25 08:42	11/04/25 02:34	7439-89-6	
Lead	**0.77J**	ug/L	1.0	0.24	1	10/30/25 08:42	11/04/25 02:34	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/13/25 19:57	71-43-2	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/13/25 19:57	108-90-7	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/13/25 19:57	74-87-3	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/13/25 19:57	75-09-2	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/13/25 19:57	127-18-4	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/13/25 19:57	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/13/25 19:57	75-01-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/13/25 19:57	2199-69-1	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/13/25 19:57	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		10/13/25 19:57	2037-26-5	
537.1 PFAS Compounds, Water	Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
	Pace Analytical Services - Ormond Beach								
11Cl-PF3OUdS	**<0.00062**	ug/L	0.0019	0.00062	1	10/16/25 00:33	10/16/25 23:08	763051-92-9	P4
9Cl-PF3ONS	**<0.00050**	ug/L	0.0019	0.00050	1	10/16/25 00:33	10/16/25 23:08	756426-58-1	P4
ADONA	**<0.00069**	ug/L	0.0019	0.00069	1	10/16/25 00:33	10/16/25 23:08	919005-14-4	P4
HFPO-DA	**<0.00064**	ug/L	0.0019	0.00064	1	10/16/25 00:33	10/16/25 23:08	13252-13-6	P4
NEtFOSAA	**<0.00089**	ug/L	0.0019	0.00089	1	10/16/25 00:33	10/16/25 23:08	2991-50-6	P4
NMeFOSAA	**<0.00066**	ug/L	0.0019	0.00066	1	10/16/25 00:33	10/16/25 23:08	2355-31-9	P4
PFBS	**<0.00064**	ug/L	0.0019	0.00064	1	10/16/25 00:33	10/16/25 23:08	375-73-5	P4
PFDA	**<0.00092**	ug/L	0.0019	0.00092	1	10/16/25 00:33	10/16/25 23:08	335-76-2	P4
PFHxA	**<0.0012**	ug/L	0.0019	0.0012	1	10/16/25 00:33	10/16/25 23:08	307-24-4	P4
PFDoA	**<0.00061**	ug/L	0.0019	0.00061	1	10/16/25 00:33	10/16/25 23:08	307-55-1	P4
PFHpA	**<0.00096**	ug/L	0.0019	0.00096	1	10/16/25 00:33	10/16/25 23:08	375-85-9	P4
PFHxS	**0.00082J**	ug/L	0.0019	0.00070	1	10/16/25 00:33	10/16/25 23:08	355-46-4	P4
PFNA	**<0.00055**	ug/L	0.0019	0.00055	1	10/16/25 00:33	10/16/25 23:08	375-95-1	P4
PFOS	**0.0026**	ug/L	0.0019	0.0011	1	10/16/25 00:33	10/16/25 23:08	1763-23-1	P4
PFOA	**0.0024**	ug/L	0.0019	0.00084	1	10/16/25 00:33	10/16/25 23:08	335-67-1	P4
PFTeDA	**<0.00060**	ug/L	0.0019	0.00060	1	10/16/25 00:33	10/16/25 23:08	376-06-7	P4
PFTrDA	**<0.00063**	ug/L	0.0019	0.00063	1	10/16/25 00:33	10/16/25 23:08	72629-94-8	P4
PFUnA	**<0.00063**	ug/L	0.0019	0.00063	1	10/16/25 00:33	10/16/25 23:08	2058-94-8	P4
Surrogates									
13C2-PFDA (S)	84	%	70-130		1	10/16/25 00:33	10/16/25 23:08		
13C2-PFHxA (S)	90	%	70-130		1	10/16/25 00:33	10/16/25 23:08		
NEtFOSAA-d5 (S)	72	%	70-130		1	10/16/25 00:33	10/16/25 23:08		
HFPO-DAS (S)	90	%	70-130		1	10/16/25 00:33	10/16/25 23:08		

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ANALYTICAL RESULTS

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Sample: Point No. 999 MSLT-RWTB01-5501 **Lab ID: 40302996007** Collected: 10/08/25 08:00 Received: 10/09/25 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/13/25 18:22	71-43-2	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/13/25 18:22	108-90-7	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/13/25 18:22	74-87-3	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/13/25 18:22	75-09-2	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/13/25 18:22	127-18-4	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/13/25 18:22	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/13/25 18:22	75-01-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/13/25 18:22	2199-69-1	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/13/25 18:22	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		10/13/25 18:22	2037-26-5	

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

QC Batch: 520590
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40302996001, 40302996002, 40302996003, 40302996004, 40302996005, 40302996006

METHOD BLANK: 2969503
Matrix: Water
Associated Lab Samples: 40302996001, 40302996002, 40302996003, 40302996004, 40302996005, 40302996006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<58.0	100	11/04/25 00:19	
Lead	ug/L	<0.24	1.0	11/04/25 00:19	

LABORATORY CONTROL SAMPLE: 2969504

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	10000	10400	104	80-120	
Lead	ug/L	250	246	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2969505 2969506

Parameter	Units	40303790001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	32900	10000	10000	42900	42700	100	98	75-125	0	20	
Lead	ug/L	19.8	250	250	259	260	96	96	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

QC Batch: 518594
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40302996001, 40302996002, 40302996003, 40302996004, 40302996005, 40302996006, 40302996007

METHOD BLANK: 2958897
Matrix: Water
Associated Lab Samples: 40302996001, 40302996002, 40302996003, 40302996004, 40302996005, 40302996006, 40302996007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	10/13/25 15:16	
Chlorobenzene	ug/L	<0.86	1.0	10/13/25 15:16	
Chloromethane	ug/L	<1.6	5.0	10/13/25 15:16	
Methylene Chloride	ug/L	<0.32	5.0	10/13/25 15:16	
Tetrachloroethene	ug/L	<0.41	1.0	10/13/25 15:16	
Trichloroethene	ug/L	<0.32	1.0	10/13/25 15:16	
Vinyl chloride	ug/L	<0.17	1.0	10/13/25 15:16	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	10/13/25 15:16	
4-Bromofluorobenzene (S)	%	99	70-130	10/13/25 15:16	
Toluene-d8 (S)	%	96	70-130	10/13/25 15:16	

LABORATORY CONTROL SAMPLE: 2958898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	55.0	110	70-130	
Chlorobenzene	ug/L	50	52.8	106	70-130	
Chloromethane	ug/L	50	68.1	136	22-163	
Methylene Chloride	ug/L	50	58.2	116	70-130	
Tetrachloroethene	ug/L	50	55.3	111	70-130	
Trichloroethene	ug/L	50	58.2	116	70-130	
Vinyl chloride	ug/L	50	68.8	138	37-145	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2959991 2959992

Parameter	Units	40302996001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.30	50	50	53.8	55.1	108	110	70-130	2	20	
Chlorobenzene	ug/L	<0.86	50	50	52.8	53.4	106	107	70-130	1	20	
Chloromethane	ug/L	<1.6	50	50	65.9	66.3	132	133	19-170	1	20	
Methylene Chloride	ug/L	<0.32	50	50	56.8	57.1	114	114	70-133	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	54.2	56.3	108	113	70-130	4	20	
Trichloroethene	ug/L	<0.32	50	50	57.0	58.1	114	116	70-130	2	20	
Vinyl chloride	ug/L	<0.17	50	50	67.1	67.3	134	135	37-150	0	20	
1,2-Dichlorobenzene-d4 (S)	%						99	99	70-130			

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2959991 2959992

Parameter	Units	40302996001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromofluorobenzene (S)	%						100	101	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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QUALITY CONTROL DATA

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

QC Batch: 1137197
QC Batch Method: EPA 537.1
Analysis Method: EPA 537.1
Analysis Description: 537.1 PFOA Compounds, Water
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 40302996001, 40302996002, 40302996003, 40302996004, 40302996005, 40302996006

METHOD BLANK: 6233543
Matrix: Water
Associated Lab Samples: 40302996001, 40302996002, 40302996003, 40302996004, 40302996005, 40302996006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11Cl-PF3OUdS	ug/L	<0.00066	0.0020	10/16/25 20:32	
9Cl-PF3ONS	ug/L	<0.00054	0.0020	10/16/25 20:32	
ADONA	ug/L	<0.00074	0.0020	10/16/25 20:32	
HFPO-DA	ug/L	<0.00068	0.0020	10/16/25 20:32	
NEtFOSAA	ug/L	<0.00095	0.0020	10/16/25 20:32	
NMeFOSAA	ug/L	<0.00071	0.0020	10/16/25 20:32	
PFBS	ug/L	<0.00068	0.0020	10/16/25 20:32	
PFDA	ug/L	<0.00099	0.0020	10/16/25 20:32	
PFDoA	ug/L	<0.00065	0.0020	10/16/25 20:32	
PFHpA	ug/L	<0.0010	0.0020	10/16/25 20:32	
PFHxA	ug/L	<0.0013	0.0020	10/16/25 20:32	
PFHxS	ug/L	<0.00075	0.0020	10/16/25 20:32	
PFNA	ug/L	<0.00059	0.0020	10/16/25 20:32	
PFOA	ug/L	<0.00089	0.0020	10/16/25 20:32	
PFOS	ug/L	<0.0012	0.0020	10/16/25 20:32	
PFTeDA	ug/L	<0.00064	0.0020	10/16/25 20:32	
PFTrDA	ug/L	<0.00067	0.0020	10/16/25 20:32	
PFUnA	ug/L	<0.00067	0.0020	10/16/25 20:32	
13C2-PFDA (S)	%	82	70-130	10/16/25 20:32	
13C2-PFHxA (S)	%	82	70-130	10/16/25 20:32	
HFPO-DAS (S)	%	80	70-130	10/16/25 20:32	
NEtFOSAA-d5 (S)	%	85	70-130	10/16/25 20:32	

LABORATORY CONTROL SAMPLE: 6233544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11Cl-PF3OUdS	ug/L	0.15	0.14	91	70-130	
9Cl-PF3ONS	ug/L	0.15	0.14	91	70-130	
ADONA	ug/L	0.15	0.14	94	70-130	
HFPO-DA	ug/L	0.16	0.16	99	70-130	
NEtFOSAA	ug/L	0.16	0.15	92	70-130	
NMeFOSAA	ug/L	0.16	0.15	93	70-130	
PFBS	ug/L	0.14	0.14	96	70-130	
PFDA	ug/L	0.16	0.15	96	70-130	
PFDoA	ug/L	0.16	0.15	96	70-130	
PFHpA	ug/L	0.16	0.15	94	70-130	
PFHxA	ug/L	0.16	0.15	97	70-130	
PFHxS	ug/L	0.15	0.13	92	70-130	
PFNA	ug/L	0.16	0.14	90	70-130	

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QUALITY CONTROL DATA

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

LABORATORY CONTROL SAMPLE: 6233544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PFOA	ug/L	0.16	0.15	95	70-130	
PFOS	ug/L	0.15	0.13	89	70-130	
PFTeDA	ug/L	0.16	0.15	96	70-130	
PFTrDA	ug/L	0.16	0.16	97	70-130	
PFUnA	ug/L	0.16	0.16	97	70-130	
13C2-PFDA (S)	%			89	70-130	
13C2-PFHxA (S)	%			89	70-130	
HFPO-DAS (S)	%			89	70-130	
NEtFOSAA-d5 (S)	%			87	70-130	

LABORATORY CONTROL SAMPLE: 6233545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11Cl-PF3OUdS	ug/L	0.0019	0.0015J	81	50-150	
9Cl-PF3ONS	ug/L	0.0019	0.0015J	80	50-150	
ADONA	ug/L	0.0019	0.0016J	82	50-150	
HFPO-DA	ug/L	0.002	0.0016J	82	50-150	
NEtFOSAA	ug/L	0.002	0.0017J	86	50-150	
NMeFOSAA	ug/L	0.002	0.0016J	79	50-150	
PFBS	ug/L	0.0018	0.0013J	76	50-150	
PFDA	ug/L	0.002	0.0017J	85	50-150	
PFDoA	ug/L	0.002	0.0017J	84	50-150	
PFHpA	ug/L	0.002	0.0016J	81	50-150	
PFHxA	ug/L	0.002	0.0019J	95	50-150	
PFHxS	ug/L	0.0018	0.0015J	84	50-150	
PFNA	ug/L	0.002	0.0017J	84	50-150	
PFOA	ug/L	0.002	0.0017J	84	50-150	
PFOS	ug/L	0.0019	0.0015J	82	50-150	
PFTeDA	ug/L	0.002	0.0017J	85	50-150	
PFTrDA	ug/L	0.002	0.0017J	86	50-150	
PFUnA	ug/L	0.002	0.0017J	85	50-150	
13C2-PFDA (S)	%			95	70-130	
13C2-PFHxA (S)	%			95	70-130	
HFPO-DAS (S)	%			92	70-130	
NEtFOSAA-d5 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 6233546

Parameter	Units	40302996001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
11Cl-PF3OUdS	ug/L	<0.00057	0.13	0.13	94	70-130	
9Cl-PF3ONS	ug/L	<0.00047	0.13	0.12	88	70-130	
ADONA	ug/L	<0.00064	0.13	0.12	89	70-130	
HFPO-DA	ug/L	<0.00059	0.14	0.13	89	70-130	
NEtFOSAA	ug/L	<0.00083	0.14	0.11	80	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

MATRIX SPIKE SAMPLE: 6233546

Parameter	Units	40302996001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
NMeFOSAA	ug/L	<0.00062	0.14	0.12	82	70-130	
PFBS	ug/L	0.0076	0.12	0.11	83	70-130	
PFDA	ug/L	<0.00086	0.14	0.13	95	70-130	
PFDoA	ug/L	<0.00057	0.14	0.14	100	70-130	
PFHpA	ug/L	<0.00090	0.14	0.12	88	70-130	
PFHxA	ug/L	0.0012J	0.14	0.11	80	70-130	
PFHxS	ug/L	0.0084	0.13	0.11	80	70-130	
PFNA	ug/L	<0.00051	0.14	0.13	90	70-130	
PFOA	ug/L	0.0040	0.14	0.13	88	70-130	
PFOS	ug/L	0.0059	0.13	0.12	85	70-130	
PFTeDA	ug/L	<0.00056	0.14	0.14	101	70-130	
PFTrDA	ug/L	<0.00058	0.14	0.14	102	70-130	
PFUnA	ug/L	<0.00058	0.14	0.14	97	70-130	
13C2-PFDA (S)	%				95	70-130	
13C2-PFHxA (S)	%				80	70-130	
HFPO-DAS (S)	%				84	70-130	
NEtFOSAA-d5 (S)	%				86	70-130	

SAMPLE DUPLICATE: 6233547

Parameter	Units	40302996002 Result	Dup Result	RPD	Max RPD	Qualifiers
11Cl-PF3OUdS	ug/L	<0.00062	<0.00062		30	
9Cl-PF3ONS	ug/L	<0.00051	<0.00050		30	
ADONA	ug/L	<0.00070	<0.00069		30	
HFPO-DA	ug/L	<0.00064	<0.00063		30	
NEtFOSAA	ug/L	<0.00089	<0.00089		30	
NMeFOSAA	ug/L	<0.00067	<0.00066		30	
PFBS	ug/L	<0.00064	<0.00063		30	
PFDA	ug/L	<0.00093	<0.00092		30	
PFDoA	ug/L	<0.00061	<0.00061		30	
PFHpA	ug/L	<0.00097	<0.00096		30	
PFHxA	ug/L	<0.0012	<0.0012		30	
PFHxS	ug/L	0.00082J	0.00079J		30	
PFNA	ug/L	<0.00056	<0.00055		30	
PFOA	ug/L	0.0024	0.0026	6	30	
PFOS	ug/L	0.0025	0.0024	4	30	
PFTeDA	ug/L	<0.00060	<0.00060		30	
PFTrDA	ug/L	<0.00063	<0.00062		30	
PFUnA	ug/L	<0.00063	<0.00062		30	
13C2-PFDA (S)	%	95	89			
13C2-PFHxA (S)	%	86	85			
HFPO-DAS (S)	%	84	85			
NEtFOSAA-d5 (S)	%	89	82			

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(920)469-2436

QUALIFIERS

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

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 - The reported result is an estimated value.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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.

ANALYTE QUALIFIERS

P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: US0041460.2682 Mid-State LF RW
Pace Project No.: 40302996

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40302996001	**Point No. 364 MSLT-RW1707-5501**	EPA 3010A	520590	EPA 6020B	520683
40302996002	**Point No. 703 MSLT-RW1763-5501**	EPA 3010A	520590	EPA 6020B	520683
40302996003	**Point No. 704 MSLT-RW1813-5501**	EPA 3010A	520590	EPA 6020B	520683
40302996004	**Point No. 376 MSLT-RW1767-5501**	EPA 3010A	520590	EPA 6020B	520683
40302996005	**Point No. 701 MSLT-RW1834-5501**	EPA 3010A	520590	EPA 6020B	520683
40302996006	**MSLT-RWDUP01-5599**	EPA 3010A	520590	EPA 6020B	520683
40302996001	**Point No. 364 MSLT-RW1707-5501**	EPA 8260	518594		
40302996002	**Point No. 703 MSLT-RW1763-5501**	EPA 8260	518594		
40302996003	**Point No. 704 MSLT-RW1813-5501**	EPA 8260	518594		
40302996004	**Point No. 376 MSLT-RW1767-5501**	EPA 8260	518594		
40302996005	**Point No. 701 MSLT-RW1834-5501**	EPA 8260	518594		
40302996006	**MSLT-RWDUP01-5599**	EPA 8260	518594		
40302996007	**Point No. 999 MSLT-RWTB01-5501**	EPA 8260	518594		
40302996001	**Point No. 364 MSLT-RW1707-5501**	EPA 537.1	1137197	EPA 537.1	1137279
40302996002	**Point No. 703 MSLT-RW1763-5501**	EPA 537.1	1137197	EPA 537.1	1137279
40302996003	**Point No. 704 MSLT-RW1813-5501**	EPA 537.1	1137197	EPA 537.1	1137279
40302996004	**Point No. 376 MSLT-RW1767-5501**	EPA 537.1	1137197	EPA 537.1	1137279
40302996005	**Point No. 701 MSLT-RW1834-5501**	EPA 537.1	1137197	EPA 537.1	1137279
40302996006	**MSLT-RWDUP01-5599**	EPA 537.1	1137197	EPA 537.1	1137279

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CHAIN-OF-CUSTODY / Analytical Request Document

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

40302996

Pace Analytical

Page: 1 of 1

Section A Required Client Information:

Company:	WSP USA Inc.
Address:	1075 Big Shanty Rd NW, Suite 100
	Kennesaw, GA 30144
Email To:	alison.levinson@wsp.com
Phone: 770-973-2100	Fax: 770-973-7395
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Alison Levinson
Copy To:	Kathy Gunderson
Purchase Order No.:	
Project Name:	Mid-State LF License No. 2812 ID No.737056320
Project Number:	US0041460.2682

Section C Invoice Information:

Attention:	Alison Levinson
Company Name:	WSP USA Inc.
Address:	1075 Big Shanty Rd NW, Suite 100, Kennesaw,
Pace Quote Reference:	090210
Pace Project Manager:	Hayden Putt
Pace Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER ____

Site Location STATE: Wisconsin

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOCs 8260 (site-specific)	Fe, Pb	Vinyl Chloride SIM 8260	PFAS (537.1)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Point No. 364	MSLT-RW1707-5501	WT	G			10/8/25	0955		9	2		1	6						X	X	X	X		001
2	Point No. 703	MSLT-RW1763-5501	WT	G			10/8/25	1550		9	2		1	6						X	X	X	X		002
3	Point No. 704	MSLT-RW1813-5501	WT	G			10/8/25	1240		9	2		1	6						X	X	X	X		003
4	Point No. 376	MSLT-RW1767-5501	WT	G			10/8/25	1122		9	2		1	6						X	X	X	X		004
5	Point No. 701	MSLT-RW1834-5501	WT	G			10/8/25	1435		9	2		1	6						X	X	X	X		005
6		MSLT-RWDUP01-5599	WT	G			10/8/25	—		9	2		1	6						X	X	X	X		006
7	Point No. 999	MSLT-RWTB01-5501	WT				10/8/25	0800		4				4						X		X			007
8																									
9																									
10																									
11																									
12																									

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Site-specific VOCS: benzene, chloromethane, methylene chloride, PCE, TCE, vinyl chloride, and low level vinyl chloride	[signature] /WSP	10-8-25	1745							
	Fed Ex	10-9-25	0830	[signature] Pace	10-9-25	0830	0.0	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jordan Hill + Rachel Crost

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/09/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

FED EX# 4050 6350 9237

Sample Preservation Receipt Form

Client Name: WSP Project # 403029916

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: Brae Date/Time:

Lab Lot# of pH paper: 10D3244 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001									2		1						6																	2.5 / 5
002									2		1						6																	2.5 / 5
003									2		1						6																	2.5 / 5
004									2		1						6																	2.5 / 5
005									2		1						6																	2.5 / 5
006									2		1						6																	2.5 / 5
007																	4																	2.5 / 5
008																																		2.5 / 5
009																																		2.5 / 5
010																																		2.5 / 5
011																																		2.5 / 5
012																																		2.5 / 5
013																																		2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

Brae

10-09-25

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): ☐Yes ☑No ☐N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40302996

40302996

Client Name: WSP

Courier: ☐ CS Logistics ☑ Fed Ex ☐ Speedee ☐ UPS ☐ Purple Mountain ☐ Client ☐ Pace Other:

Tracking #: 4050 6350 9237

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 SR - 149 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.0 /Corr: 0.0

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 10-9-25 /Initials: Bam

Labeled By Initials: MCH

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used: Correct Type: Pace Green Bay, Pace IR, Non-Pace	☑Yes ☐No	9.
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☑No ☐N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 549		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Page 2 of 2

CT LABORATORIES

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

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www.ctlaboratories.com

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ANALYTICAL REPORT

PACE ANALYTICAL
HAYDEN PUTT
1241 BELLEVUE ST
SUITE 9
GREEN BAY, WI 54302

Project Name: MID-STATE LF RW
Project Phase:
Project #: US0041460.2682
Folder #: 198960
Purchase Order #: PACE WO # 40302996
Contract #: 2288

Arrival Temperature: 1.8
Report Date: 11/3/2025
Date Received: 10/10/2025
Reprint Date: 11/3/2025

CT LAB#: 1637557 Sample Description: MSLT-RW1707-5501 40302996001 License/Well #: 02812/364 Sampled: 10/8/2025 09:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/21/2025 12:44	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0	130	1			10/21/2025 12:44	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			10/21/2025 12:44	RLD	EPA 8260C
d8-Toluene	95.0	% Recovery	70.0	130	1			10/21/2025 12:44	RLD	EPA 8260C
Dibromofluoromethane	96.0	% Recovery	70.0	130	1			10/21/2025 12:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1637558 Sample Description: MSLT-RW1763-5501 40302996002 License/Well #: 02812/703 Sampled: 10/8/2025 15:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/21/2025 13:12	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			10/21/2025 13:12	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			10/21/2025 13:12	RLD	EPA 8260C
d8-Toluene	93.0	% Recovery	70.0	130	1			10/21/2025 13:12	RLD	EPA 8260C
Dibromofluoromethane	97.0	% Recovery	70.0	130	1			10/21/2025 13:12	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1637559 Sample Description: MSLT-RW1813-5501 40302996003 License/Well #: 02812/704 Sampled: 10/8/2025 12:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/21/2025 13:40	RLD	EPA 8260C
1,2 Dichloroethane-d4	106	% Recovery	70.0	130	1			10/21/2025 13:40	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			10/21/2025 13:40	RLD	EPA 8260C
d8-Toluene	93.0	% Recovery	70.0	130	1			10/21/2025 13:40	RLD	EPA 8260C
Dibromofluoromethane	94.0	% Recovery	70.0	130	1			10/21/2025 13:40	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1637560 Sample Description: MSLT-RW1767-5501 40302996004 License/Well #: 02812/376 Sampled: 10/8/2025 11:22

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/21/2025 14:08	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			10/21/2025 14:08	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			10/21/2025 14:08	RLD	EPA 8260C
d8-Toluene	94.0	% Recovery	70.0	130	1			10/21/2025 14:08	RLD	EPA 8260C
Dibromofluoromethane	98.0	% Recovery	70.0	130	1			10/21/2025 14:08	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1637561 Sample Description: MSLT-RW1834-5501 40302996005 License/Well #: 02812/701 Sampled: 10/8/2025 14:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/21/2025 14:36	RLD	EPA 8260C
1,2 Dichloroethane-d4	96.0	% Recovery	70.0	130	1			10/21/2025 14:36	RLD	EPA 8260C
Bromofluorobenzene	98.0	% Recovery	70.0	130	1			10/21/2025 14:36	RLD	EPA 8260C
d8-Toluene	93.0	% Recovery	70.0	130	1			10/21/2025 14:36	RLD	EPA 8260C
Dibromofluoromethane	95.0	% Recovery	70.0	130	1			10/21/2025 14:36	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1637562 Sample Description: MSLT-RWDUP01-5599 40302996006 License #:02812 Sampled: 10/8/2025 00:01

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/21/2025 15:04	RLD	EPA 8260C
1,2 Dichloroethane-d4	95.0	% Recovery	70.0	130	1			10/21/2025 15:04	RLD	EPA 8260C
Bromofluorobenzene	105	% Recovery	70.0	130	1			10/21/2025 15:04	RLD	EPA 8260C
d8-Toluene	93.0	% Recovery	70.0	130	1			10/21/2025 15:04	RLD	EPA 8260C
Dibromofluoromethane	95.0	% Recovery	70.0	130	1			10/21/2025 15:04	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1637563 Sample Description: MSLT-RWTB01-5501 40302996007 License/Well #: 02812/999 Sampled: 10/8/2025 08:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/21/2025 12:17	RLD	EPA 8260C
1,2 Dichloroethane-d4	96.0	% Recovery	70.0	130	1			10/21/2025 12:17	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			10/21/2025 12:17	RLD	EPA 8260C
d8-Toluene	93.0	% Recovery	70.0	130	1			10/21/2025 12:17	RLD	EPA 8260C
Dibromofluoromethane	94.0	% Recovery	70.0	130	1			10/21/2025 12:17	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

Notes: * Indicates Value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted . The results reported relate only to the samples tested.
This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached. This report has been specifically prepared to satisfy project or program requirements.

Submitted by: Brett M. Szymanski
Project Manager
608-356-2760

QC Qualifiers

Code	Description
A	Result cannot be used for compliance due to QC issue
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# 115843
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
Florida NELAP Lab ID# E871111

DoD-ELAP QSM5.4 -
PJLA Testing Accreditation # 78929

ISO/IEC 17025-2017 Accredited -
PJLA Testing Accreditation # 78929

QC Summary Report

PACE ANALYTICAL **Project Name: MID-STATE LF RW**

SDG #: 0 **Folder #: 198960** **Project #: US0041460.2682**

Lab Control Spike Duplicate Water

Analytical Run #:	295760	Analysis Date:	10/21/2025	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1643208	Analysis Time:	09:01	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1643205	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,2 Dichloroethane-d4	109	% Recovery		S	100	109	87	---	107	0	
Bromofluorobenzene	100	% Recovery			100	100	90	---	108	0	
d8-Toluene	103	% Recovery			100	103	93	---	108	0	
Dibromofluoromethane	104	% Recovery			100	104	93	---	106	0	
Vinyl chloride	3.81	ug/L	3.83		4.0	95	73	---	127	1	20

Lab Control Spike Water

Analytical Run #:	295760	Analysis Date:	10/21/2025	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1643205	Analysis Time:	08:33	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,2 Dichloroethane-d4	107	% Recovery			100	107	87	---	107		
Bromofluorobenzene	99.0	% Recovery			100	99.0	90	---	108		
d8-Toluene	101	% Recovery			100	101	93	---	108		
Dibromofluoromethane	103	% Recovery			100	103	93	---	106		
Vinyl chloride	3.83	ug/L			4.0	96	73	---	127		20

Method Blank Water

Analytical Run #:	295760	Analysis Date:	10/21/2025	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1643207	Analysis Time:	10:53	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,2 Dichloroethane-d4	103	% Recovery			100	103	68	---	120		
Bromofluorobenzene	99.0	% Recovery			100	99.0	68	---	120		
d8-Toluene	95.0	% Recovery			100	95.0	71	---	117		
Dibromofluoromethane	97.0	% Recovery			100	97.0	67	---	122		
Vinyl chloride	0.019	ug/L		U	0				0.019		

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Sample Condition Report

Folder #:	198960	Print Date / Time:	10/10/2025	10:41	
Client:	PACE ANALYTICAL	Received Date / Time / By:	10/10/2025	10:32	BPC
Project Name:	MID-STATE LF RW	Log-In Date / Time / By:	10/10/2025	10:41	BPC
Project Phase:		Project #:	US0041460.2682	PM:	BMS
Coolers:	1-UNMARKED	Temperature:	1.8 C	On Ice:	**Y**
Custody Seals Present :	**Y**	COC Present:?	**Y**	Complete?	**Y**
Seal Intact?	**Y**	Numbers:	DATE AND SIGNED		
Ship Method:	FEDEX EXPRESS	Tracking Number:	483019743876		
Adequate Packaging:	**Y**	Temp Blank Enclosed?	**Y**		

Notes: THE SAMPLES WERE RECIEVED IN GOOD CONDITION ON ICE.

ONE (1) CUSTODY SEAL WAS PRESENT AND INTACT ON THE COOLER UPON RECEIPT (DATED 10/9/25 AND SIGNED).

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1637557	MSLT-RW1707-5501				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) =	**3**	

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1637558	MSLT-RW1763-5501				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) =	**3**	

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1637559	MSLT-RW1813-5501				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) =	**3**	

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1637560	MSLT-RW1767-5501				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) =	**3**	

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1637561	MSLT-RW1834-5501				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) =	**3**	

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1637562	MSLT-RWDUP01-5599				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) =	**3**	

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1637563	MSLT-RWTB01-5501				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) =	**2**	

Condition Code	*Condition Description*
1	Sample Received OK

Chain of Custody

PASI Green Bay Laboratory

Workorder: 40302996 **Workorder Name:** US0041460.2682 Mid-State LF RW **Results Requested By:** 11/6/2025

Report / Invoice To

Hayden Putt
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302
Phone (920)469-2436
Email: hayden.putt@pacelabs.com

Subcontract To

CT Laboratories
1230 Lange Court
Baraboo, WI 53913

P.O._____

Send Invoice To: invoices@pacelabs.coupahost.com
State of Sample Origin: WI LOD/LOQ

Requested Analysis

Order # 198960
Company: PACE ANALYTICAL
Project:
Logged By: BPC PM: BMS

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL						LL Vinyl Chloride 8260 SIM											LAB USE ONLY
1	Point No. 364 MSLT-RW1707-5501	10/8/2025 09:55	40302996001	Water	3						X											1637557
2	Point No. 703 MSLT-RW1763-5501	10/8/2025 15:50	40302996002	Water	3						X											1637558
3	Point No. 704 MSLT-RW1813-5501	10/8/2025 12:40	40302996003	Water	3						X											1637559
4	Point No. 376 MSLT-RW1767-5501	10/8/2025 11:22	40302996004	Water	3						X											1637560
5	Point No. 701 MSLT-RW1834-5501	10/8/2025 14:35	40302996005	Water	3						X											1637561
6	MSLT-RWDUP01-5599	10/8/2025 00:01	40302996006	Water	3						X											1637562
7	Point No. 999 MSLT-RWTB01-5501	10/8/2025 08:00	40302996007	Water	3						X											1637563

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible] pace	10/9/25 1500	BPC	10/10/25 10:53
2				
3				

Comments

WI GEMS EDD and EQUIS EDD needed (see 180926) Level 4 QC data package also needed

Cooler Temperature on Receipt 1.8 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

BPC 10/10/25 10:52

Cooler Receipt Form

Ice Present (YES) NO

Observed Temperature 1.8

Actual Temperature 1.8

IR Gun # SRT 34

Initials BPC

Date 10/10/25 Time 10:28

Cooler #: XXXX

ORIGIN ID:GRBA (920) 469-2436
MAIYER HER
PACE ANALYTICAL SERVICES INC
1241 BELLEVUE ST STE 9

GREEN BAY, WI 543022156
UNITED STATES US

SHIP DATE: 09OCT25
ACTWGT: 18.70 LB
CAD: 265417669/CAFE3953

BILL SENDER

TO SAMPLE RECEIVNG
CT LABORATORIES
1230 LANGE COURT

BARABOO WI 53913

INV:
PO: REF: DEPT:

FedEx Express

TRK# 0201 4830 1974 3876

FRI - 10 OCT 10:30A
PRIORITY OVERNIGHT

XW LNRA

53913
WI-US MSN

Part # 156148-434 RIT EXP 04/22