



# Clean Air Status and Trends Network

## First Quarter 2026 Quality Assurance Report

### Summary of Quarterly Operations (January through March)

Submitted to U.S. Environmental Protection Agency (EPA)  
Air Quality Assessment Division

EPA Contract No. 68HERH21D0006

#### Introduction

This quarterly report summarizes results from the Clean Air Status and Trends Network (CASTNET) quality assurance/quality control (QA/QC) program for data collected during first quarter 2026. The various QA/QC criteria and policies are documented in the CASTNET Quality Assurance Project Plan (QAPP) WSP USA Environment & Infrastructure Inc. (WSP, 2025). The QAPP is comprehensive and includes standards and policies for all components of project operation from site selection through final data reporting. It is reviewed annually and updated as warranted.

#### Quarterly Summary

Documentation was requested by the American Association for Laboratory Accreditation (A2LA) in support of continuation of International Organization for Standardization (ISO)/International Electrotechnical Commission (IEC) 17025:2017 accreditation of WSP's analytical and field laboratories. The CASTNET QA Manager worked with the CASTNET Laboratory Operations Manager and CASTNET Field Operations Manager to compile the necessary annual review documentation, which was submitted to the A2LA on March 2, 2026. The annual review documentation provided by WSP was accepted by the A2LA, and the A2LA reaffirmed WSP's ISO/IEC 17025:2017 accreditation through May 31, 2027.

The QA Manager began activities for the annual quality managerial review of 2025 activities. A managerial review is performed annually in support of ISO/IEC 17025:2017 accreditation by the A2LA.

The QA Manager received comments and recommendations for changes to the draft CASTNET QAPP Revision 11.0 from EPA's Office of State Air Partnerships (OSAP). The QA Manager began incorporating the recommendations and changes including the addition of procedures for the QuantaQ MODULAIR particulate matter (PM) and multi-gas/PM sensors. The final version of the QAPP will be submitted to EPA on or before April 27, 2026.

WSP personnel attended the EPA National Performance Audit Program (NPAP) auditor training on February 9–10, 2026 at Research Triangle Park, NC. The NPAP audit program is moving away from Audit Level 2 and lower challenge points. They are prioritizing National Ambient Air Quality Standard levels. The program is also moving away from the use of carbon monoxide-based reference standards for criteria pollutants in favor of flow meter based audits. The CASTNET Field Operations Manager, Kevin Mishoe, was recertified for NPAP field operations proficiency.

WSP submitted analytical results of samples for proficiency test (PT) 127 for Rain and Soft Waters to the Water Science and Technology Directorate (WSTD), a branch of Environmental Science and Technology Laboratories with Environment and Climate Change Canada on January 26, 2026. Final

results from WTSD for PT 127 were received March 23, 2026, and the results showed no indication of bias or flagged values. WSP’s analytical laboratory was rated as “Good.”

During late 2025, the CASTNET QA Manager performed an audit of data quality (ADQ) for per- and polyfluoroalkyl substances (PFAS) data collected from January 2023 to December 2024. The QA Manager received these data from the National Atmospheric Deposition Program (NADP) analytical laboratory. The summary of the ADQ results was sent to EPA on February 11, 2026.

During 2025, WSP completed uploading validated filter pack data to the EPA Air Quality System (AQS). Validated filter pack data from EPA-sponsored CASTNET sites from 1990 through 2024 were uploaded. Validated filter pack data from National Park Service-sponsored sites were uploaded for sites active in AQS through 2024. Filter pack data for Bureau of Land Management-sponsored sites active in AQS were uploaded through March 2025. WSP began uploading historical 9-meter temperature data collected at EPA-sponsored CASTNET sites to EPA’s AQS during first quarter 2026. The temperature data will be uploaded for the same period of record for each site as filter pack concentration data.

During first quarter 2026, WSP continued work on developing standard operating procedures (SOP) for the QA and operational aspects of the new Teledyne API N400 ozone analyzers. These SOP’s will cover acceptance and performance testing at the CASTNET ozone laboratory in Gainesville, FL through installation, operation, and maintenance at the sites.

Table 1 lists external audits of CASTNET ozone systems at EPA-sponsored sites that were performed by state agencies and NPAP auditors during the quarter. There were no external audits performed during first quarter 2026.

Table 2 lists the quarters of data that were validated to Level 3 during first quarter 2026 per site calibration group. Table 3 lists the sites in each calibration group along with the calibration schedule. Table 4 presents the measurement criteria for laboratory filter pack measurements. These criteria apply to the QC samples listed in the following section of this report. Table 5 presents the critical criteria for ozone monitoring. Table 6 presents the critical criteria for trace-level gas monitoring.

### **Quality Control Analysis Count**

The QC sample statistics presented in this report are for reference standards (RF) and continuing calibration verification spikes (CCV) used to assess accuracy and for replicate sample analyses (RP) used to assess “in-run” precision. In addition, laboratory method blanks (MB) containing reagents without a filter; laboratory blanks (LB) containing reagents and a new, unexposed filter; and field blanks (FB) containing reagents and an unexposed filter that had been loaded into a filter pack assembly and shipped to and from the monitoring site while remaining in sealed packaging are also included. Table 7 presents the number of analyses in each category that were performed during first quarter 2026.

## Sample Receipt Statistics

Ninety-five percent of field samples from EPA-sponsored sites should be received by the CASTNET laboratory in Gainesville, FL no later than 14 days after removal from the sampling tower. Table 8 presents the relevant sample receipt statistics for first quarter 2026.

## Data Quality Indicator (DQI) Results

Figures 1 through 3 present the results of RF, CCV, and RP QC sample analyses for first quarter 2026. All results were within the criteria listed in Table 4. The magnesium RP result at 34 percent difference was less than 5 times the reporting limit with values at 0.078 ug and 0.110 ug, respectively, and an arithmetic difference less than the reporting limit.

Table 9 presents summary statistics of critical criteria measurements at ozone sites collected during first quarter 2026. The statistics presented contain data validated at Level 2 and Level 3. All data associated with QC checks that fail to meet the criteria listed in Table 5 were or will be invalidated unless the cause of failure has no effect on ambient data collection and passing results still meet frequency criteria. Results in shaded cells either exceed documented criteria or are otherwise notable. Table 10 presents observations associated with the shaded cell results in Table 9.

Table 11 presents summary statistics of critical criteria measurements at trace-level gas monitoring sites collected during first quarter 2026. The statistics presented contain data validated at Level 2 and Level 3. All data associated with QC checks that fail to meet the criteria listed in Table 6 were or will be invalidated unless the cause of failure has no effect on ambient data collection and passing results still meet frequency criteria. Results in shaded cells either exceed documented criteria or are otherwise notable. Table 12 presents observations associated with the shaded cell results in Table 11.

## Laboratory Control Sample Analysis

The laboratory control sample (LCS) is a reagent blank spiked with the target analytes from the established analytical methods and carried through the same extraction process that field samples must undergo. LCS analyses are performed by the laboratory to monitor for potential sample handling artifacts and provide a means to identify possible analyte loss from the extraction process. Figure 4 presents LCS analysis results for first quarter 2026. All recovery values were between 92 percent and 107 percent.

## Blank Results

Figures 5 through 7 present the results of MB, LB, and FB QC sample analyses for first quarter 2026. All first quarter results were within criteria (two times the reporting limit) listed in Table 4.

## Suspect/Invalid Filter Pack Samples

Filter pack samples that were flagged as suspect or invalid during first quarter 2026 are listed in Table 13. This table also includes associated site identification and a brief description of the reason the sample was flagged. During first quarter, seven filter pack samples were invalidated.

## Field Problem Count

Table 14 presents counts of field problems affecting continuous data collection for more than one day for first quarter 2026. The problem counts are sorted by a 30-, 60-, or 90-day time period to resolution. A category for unresolved problems is also included.

## References

American Society for Testing and Materials (ASTM). 2022. ASTM E29-22, Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications. ASTM International, West Conshohocken, PA, DOI:10.1520/E0029-22. [www.astm.org](http://www.astm.org).

U.S. Environmental Protection Agency (EPA). 2023. Title 40 Code of Federal Regulations Part 58, “Appendix A to Part 58 – Quality Assurance Requirements for Monitors used in Evaluations of National Ambient Air Quality Standards.” <https://www.epa.gov/amtic/ambient-air-monitoring-quality-assurance> (Accessed Month Year)

WSP USA Environment & Infrastructure Inc. (WSP). 2025. *Clean Air Status and Trends Network (CASTNET) Quality Assurance Project Plan (QAPP) Revision 10.2*. Prepared for U.S. Environmental Protection Agency (EPA), Office of Air and Radiation, Clean Air and Power Division, Washington, DC. Contract No. 68HERH21D0006. Gainesville, FL. <https://www.epa.gov/castnet/documents-reports> (Accessed Month Year).

**Table 1** NPAP and State Agency Audits of CASTNET Ozone Systems

Site ID	Auditing Agency
N/A*	

**Note:** \* No sites were audited during first quarter 2026.

**Table 2** Data Validated to Level 3 through First Quarter 2026

Calibration Group*	Months Available	Number of Months	Complete Quarters	Number of Quarters
E-3/W-10 <sup>†</sup>	May 2025– October 2025	6	Quarter 3 2025	1
SE-4/MW-6 <sup>‡</sup>	July 2025– December 2025	6	Quarter 3 2025– Quarter 4 2025	2

**Notes:** \* The sites contained in each calibration group are listed in Table 3.

<sup>†</sup> Contains ROM206 of the ROM406/ROM206 co-located pair

<sup>‡</sup> Contains MCK131/231 co-located pair

**Table 3** Field Calibration Schedule for 2026

Calibration Group	Months Calibrated	Sites Calibrated			
Eastern Sites (18 Total)					
E-1 (7 Sites)	February/August	ARE128, PA PED108, VA	BEL116, MD VPI120, VA	BWR139, MD WSP144, NJ	CTH110, NY
E-2 (6 Sites)	April/October	ABT147, CT WFM105, NY	CAT175, NY WST109, NH	EGB181, ON	NIC001, NY
E-3 (5 Sites)	May/November	CDR119, WV PAR107, WV	KEF112, PA	LRL117, PA	MKG113, PA
Southeastern Sites (13 Total)					
SE-4 (7 Sites)	January/July	BFT142, NC GAS153, GA	CND125, NC SND152, AL	COW137, NC SPD111, TN	DUK008, NC <sup>1</sup>
SE-5 (6 Sites)	February/August	CAD150, AR MAR013, FL	CNS011, FL SUM156, FL	CVL151, MS	IRL141, FL
Midwestern Sites (15 Total)					
MW-6 (4 Sites)	January/July	CKT136, KY	ESP127, TN	MCK131, KY	MCK231, KY
MW-7 (7 Sites)	March/September	BVL130, IL <sup>2</sup> RED004, MN	OXF122, OH STK138, IL <sup>2</sup>	PRK134, WI VIN140, IN	QAK172, OH
MW-8 (4 Sites)	April/October	ANA115, MI	HOX148, MI	SAL133, IN	UVL124, MI
Western Sites (14 Total)					
W-9 (6 Sites)	March/September	ALC188, TX KNZ184, KS	CNO014, OK SAN192, NE <sup>2</sup>	CHE185, OK	HAS012, KS
W-10 (8 Sites)	May/November	CNT169, WY PAL190, TX	GTH161, CO PND165, WY	LPO010, CA ROM206, CO	NPT006, ID UMA009, WA

**Notes:** <sup>1</sup> Trace-level gas calibrations are performed quarterly in January, April, July, and October.

<sup>2</sup> Trace-level gas calibrations are performed quarterly in March, June, September, and December.

**Table 4** Data Quality Indicators for CASTNET Laboratory Measurements

Analyte	Method	Precision <sup>1</sup> (MARPD)	Accuracy <sup>2</sup> (%)	Nominal Reporting Limits <sup>3</sup>	
				mg/L	µg/Filter
Ammonium (NH <sub>4</sub> <sup>+</sup> )	AC	20	90–110	0.020*	0.5
Sodium (Na <sup>+</sup> )	ICP-OES	20	95–105	0.005	0.125
Potassium (K <sup>+</sup> )	ICP-OES	20	95–105	0.006	0.15
Magnesium (Mg <sup>2+</sup> )	ICP-OES	20	95–105	0.003	0.075
Calcium (Ca <sup>2+</sup> )	ICP-OES	20	95–105	0.006	0.15
Chloride (Cl <sup>-</sup> )	IC	20	95–105	0.020	0.5
Nitrate (NO <sub>3</sub> <sup>-</sup> )	IC	20	95–105	0.008*	0.2
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	IC	20	95–105	0.040	1.0

**Notes:** <sup>1</sup> This column lists precision goals for both network precision calculated from co-located filter samples and laboratory precision based on replicate samples for samples > five times the reporting limit. The criterion is ± the reporting limit if the sample is ≤ five times the reporting limit.

<sup>2</sup> This column lists laboratory accuracy goals based on reference standards and continuing calibration verification spikes. The criterion is 90–110 percent for ICP-OES reference standards.

<sup>3</sup> The reporting limit for sulfate on cellulose filters (reported as SO<sub>4</sub><sup>2-</sup> with correction factor applied) is 0.080 mg/L (2.0 µg/filter).

AC = automated colorimetry  
 IC = ion chromatography  
 ICP-OES = inductively coupled plasma-optical emission spectrometry  
 MARPD = mean absolute relative percent difference  
 mg/L = milligrams per liter  
 µg/Filter = micrograms per filter  
 \* = as nitrogen

Values are rounded according to American Society for Testing and Materials (ASTM) E29-22, “Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications” (ASTM, 2022).

For more information on analytical methods and associated precision and accuracy criteria, see the CASTNET QAPP, (WSP, 2025).

**Table 5** Ozone Critical Criteria\*

Type Check	Analyzer Response
Zero	Less than ± 3.1 parts per billion (ppb)
Span	Less than ± 7.1 percent between supplied and observed concentrations
Single Point QC	Less than ± 7.1 percent between supplied and observed concentrations

**Notes:** \* Applies to CASTNET sites that are configured and operated in accordance with Part 58 of Title 40 of the Code of Federal Regulations (EPA, 2023). The minimum frequency for these checks is once every two weeks.

Values are rounded according to ASTM E29-22, “Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications” (ASTM, 2022).

**Table 6** Trace-level Gas Monitoring Critical Criteria\*

Parameter	Analyzer Response	
	Zero Check	Span Check / Single Point QC Check
SO <sub>2</sub>	Less than ± 1.51 ppb	Less than ± 10.1 percent between supplied and observed concentrations
NO <sub>y</sub>	Less than ± 1.51 ppb	
CO	Less than ± 50 ppb	

**Notes:** \*Applies to CASTNET sites that are configured and operated in accordance with Part 58 of Title 40 of the Code of Federal Regulations (EPA, 2023). The minimum frequency for these checks is once every two weeks.

Values are rounded according to ASTM E29-22, "Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications" (ASTM, 2022).

SO<sub>2</sub> = sulfur dioxide  
 NO<sub>y</sub> = total reactive oxides of nitrogen  
 CO = carbon monoxide  
 ppb = parts per billion

**Table 7** QC Analysis Count for First Quarter 2026

Filter Type	Parameter	RF Sample Count	CCV Sample Count	RP Sample Count	MB Sample Count	LB Sample Count	FB Sample Count
Teflon	SO <sub>4</sub> <sup>2-</sup>	60	180	73	15	22	83
	NO <sub>3</sub> <sup>-</sup>	60	180	73	15	22	83
	NH <sub>4</sub> <sup>+</sup>	44	156	73	15	22	83
	Cl <sup>-</sup>	60	180	73	15	22	83
	Ca <sup>2+</sup>	30	160	72	15	22	83
	Mg <sup>2+</sup>	30	160	72	15	22	83
	Na <sup>+</sup>	30	160	72	15	22	83
	K <sup>+</sup>	30	160	72	15	22	83
Nylon	SO <sub>4</sub> <sup>2-</sup>	45	165	68	14	22	83
	HNO <sub>3</sub>	45	165	68	14	22	83
Cellulose	SO <sub>2</sub>	23	51	18	9	22	17

**Table 8** Filter Pack Receipt Summary for First Quarter 2026

Count of samples received more than 14 days after removal from tower:	23
Count of all samples received:	408
Fraction of samples received within 14 days:	0.968
Average interval in days:	4.918
First receipt date:	01/01/2026
Last receipt date:	03/30/2026

**Note:** Sample shipments for the Egbert, Ontario site (EGB181) are sent in groups of four. Samples associated with EGB181 are excluded from this statistic.

**Table 9** Ozone QC Summary for First Quarter 2026 (1 of 2)

Site ID	% Span Pass <sup>1</sup>	Span [%D] <sup>2</sup>	% Single Point QC Pass <sup>1</sup>	Single Point QC [%D] <sup>2</sup>	% Zero Pass <sup>1</sup>	Zero Average (ppb) <sup>2</sup>
ABT147, CT	97.85	1.50	100.00	1.95	100.00	0.18
ALC188, TX	100.00	1.04	100.00	1.15	100.00	0.59
ANA115, MI	100.00	1.67	98.91	1.52	100.00	0.17
ARE128, PA	98.86	3.23	100.00	3.35	100.00	0.72
BEL116, MD	100.00	0.66	100.00	0.82	100.00	0.60
BFT142, NC	86.46	15.25	86.46	15.25	100.00	0.27
BVL130, IL	98.91	1.33	100.00	1.35	100.00	0.17
BWR139, MD	100.00	2.44	100.00	2.91	100.00	0.33
CAD150, AR	100.00	1.20	100.00	1.19	98.86	0.72
CDR119, WV	100.00	0.42	100.00	0.56	100.00	0.22
CKT136, KY	100.00	0.56	100.00	0.55	100.00	0.12
CND125, NC	100.00	1.11	100.00	1.17	100.00	0.34
CNT169, WY	100.00	0.45	100.00	0.77	100.00	0.21
COW137, NC	100.00	0.86	100.00	0.95	100.00	0.24
CTH110, NY	100.00	0.56	100.00	0.86	100.00	0.23
CVL151, MS	98.61	2.31	98.59	3.42	100.00	0.44
DUK008, NC	100.00	2.51	100.00	4.26	100.00	1.32
ESP127, TN	100.00	2.16	100.00	2.15	100.00	0.32
GAS153, GA	100.00	1.10	100.00	1.52	100.00	0.61
GTH161, CO	100.00	0.60	100.00	0.65	100.00	0.35
HAS012, KS	100.00	1.43	100.00	1.63	100.00	0.45
HOX148, MI	100.00	0.43	100.00	0.66	100.00	0.24
IRL141, FL	86.27	14.40	86.27	14.43	99.02	0.46
KEF112, PA	100.00	3.00	100.00	2.85	100.00	0.31
LPO010, CA	98.96	2.19	100.00	2.07	98.92	0.22
LRL117, PA	97.65	1.80	96.34	1.86	96.34	0.55
MCK131, KY	100.00	0.50	100.00	1.03	100.00	0.70
MCK231, KY	100.00	0.74	100.00	1.56	100.00	0.75
MKG113, PA	100.00	0.60	98.91	0.70	100.00	0.38
NPT006, ID	98.90	3.45	100.00	3.82	100.00	0.29
OXF122, OH	100.00	3.17	100.00	3.14	100.00	0.23
PAL190, TX	100.00	0.44	100.00	0.53	100.00	0.15
PAR107, WV	100.00	0.76	100.00	1.10	100.00	0.22
PED108, VA	100.00	1.29	100.00	1.33	100.00	0.32
PND165, WY	100.00	2.70	100.00	2.96	100.00	0.22
PRK134,WI	100.00	0.65	100.00	0.97	100.00	0.18
PSU106, PA	100.00	1.64	100.00	1.16	98.90	0.36
QAK172, OH	100.00	1.13	100.00	1.15	100.00	0.17
ROM206,CO	100.00	3.32	100.00	4.17	100.00	0.40
SAL133, IN	100.00	0.67	100.00	1.02	100.00	0.18

**Table 9** Ozone QC Summary for First Quarter 2026 (2 of 2)

Site ID	% Span Pass <sup>1</sup>	Span [%D] <sup>2</sup>	% Single Point QC Pass <sup>1</sup>	Single Point QC [%D] <sup>2</sup>	% Zero Pass <sup>1</sup>	Zero Average (ppb) <sup>2</sup>
SAN192, NE	100.00	2.75	100.00	3.06	100.00	0.84
SND152, AL	100.00	1.14	98.94	1.28	100.00	0.21
SPD111, TN	100.00	1.37	100.00	1.39	100.00	0.26
STK138, IL	95.96	2.65	95.79	3.70	100.00	0.39
SUM156, FL	97.80	2.80	97.80	3.58	97.80	0.64
UMA009, WA	100.00	0.57	100.00	1.02	100.00	0.51
UVL124, MI	93.24	5.93	97.26	2.57	98.63	0.52
VIN140, IN	100.00	0.58	100.00	0.78	100.00	0.24
VPI120, VA	100.00	1.02	100.00	1.35	100.00	0.27
WSP144, NJ	100.00	1.20	100.00	1.70	100.00	0.48
WST109, NH	100.00	0.93	100.00	1.26	100.00	0.80

**Notes:** <sup>1</sup>Percentage of comparisons that pass the criteria listed in Table 5. Values falling below 90 percent are addressed in Table 10.

<sup>2</sup>Absolute value of the average percent differences between the on-site transfer standard and the site monitor. Values exceeding the criteria listed in Table 5 are addressed in Table 10.

%D = percent difference

ppb = parts per billion

**Table 10** Ozone QC Observations for First Quarter 2026

Site ID	QC Criterion	Comments
BFT142, NC	% Span Pass Span [%D] % Single Point QC Pass Single Point QC [%D]	Sample pump failed 01/14/2026 and was replaced 01/20/2026. Associated data were invalidated.
IRL141, FL	% Span Pass Span [%D] % Single Point QC Pass Single Point QC [%D]	Sample pump failed 03/17/2026 and was replaced 03/24/2026. Associated data were invalidated.

**Note:** %D = percent difference

**Table 11** Trace-level Gas QC Summary for First Quarter 2026

Parameter	% Span Pass <sup>1</sup>	Span [%D] <sup>2</sup>	% Single Point QC Pass <sup>1</sup>	Single Point QC [%D] <sup>2</sup>	% Zero Pass <sup>1</sup>	Zero Average (ppb) <sup>2</sup>
BVL130, IL						
SO <sub>2</sub>	80.85	8.82	82.98	8.87	100.00	0.21
NO <sub>y</sub>	100.00	1.83	100.00	2.74	89.74	0.65
CO	100.00	1.55	92.86	4.59	96.43	16.54
DUK008, NC						
NO <sub>y</sub>	100.00	4.46	100.00	4.90	92.86	0.73
SAN192, NE						
NO <sub>y</sub>	92.59	4.95	77.78	9.22	98.15	0.52
STK138, IL						
NO <sub>y</sub>	100.00	2.65	100.00	4.96	97.87	0.55

**Notes:** <sup>1</sup>Percentage of comparisons that pass the criteria listed in Table 6. Values falling below 90 percent are addressed in Table 12.

<sup>2</sup>Absolute value of the average percent differences between the supplied and observed concentrations. Values exceeding the criteria listed in Table 6 are addressed in Table 12.

%D = percent difference

ppb = parts per billion

**Table 12** Trace-level Gas QC Observations for First Quarter 2026

Site ID	Parameter	QC Criterion	Comments
BVL130, IL	SO <sub>2</sub>	% Span Pass % Single Point QC Pass	Sample pump failed 12/13/2025 and was replaced 01/14/2026.
SAN192, NE	NO <sub>y</sub>	% Single Point QC Pass	Due to Calibration drift.

**Note:** %D = percent difference

**Table 13** Filter Packs Flagged as Suspect or Invalid During First Quarter 2026

Site ID	Sample No.	Reason
CHA467, AZ	2602003-04	Insufficient flow volume.
CHE185, OK	2609004-02	Only 10 hours of valid flow.
CVL151, MS	2604001-14	Due to power failure.
CVL151, MS	2607001-14	Due to power failure.
DUK008, NC	2607001-15	Insufficient flow volume.
EVE419, FL	2603003-07	The filter pack was not properly installed.
WSP144, NJ	2608001-46	Sample installed for 3 weeks with only 105 hours of valid flow.

**Table 14** Field Problems Affecting Data Collection

Days to Resolution	Problem Count
30	273
60	12
90	4
Unresolved by end of quarter	11

Figure 1 Reference Standard Results for First Quarter 2026 (percent recovery)

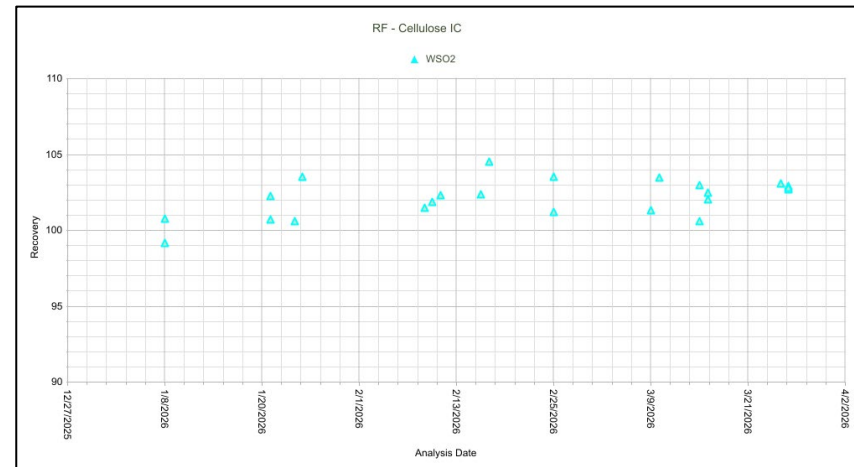
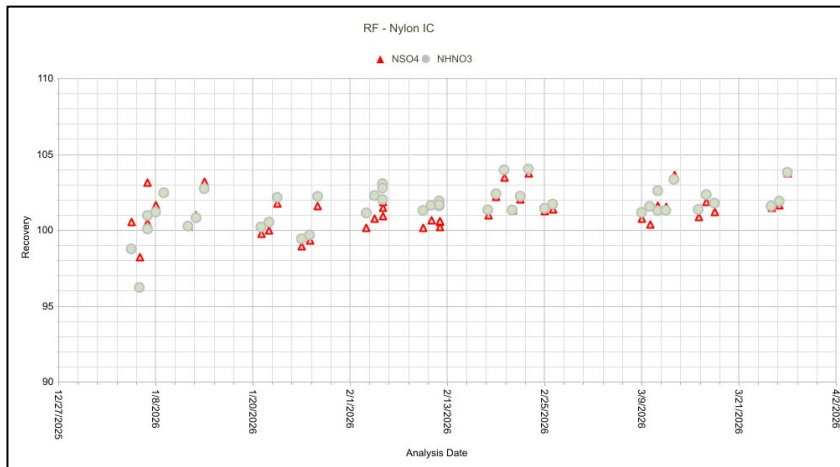
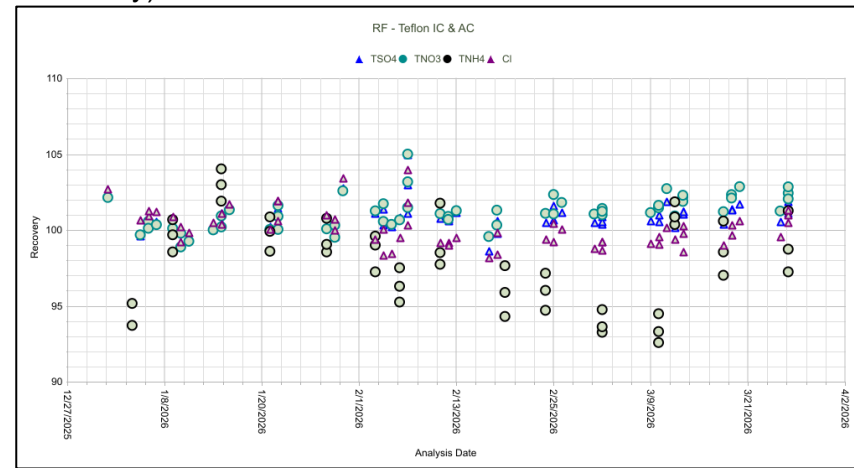
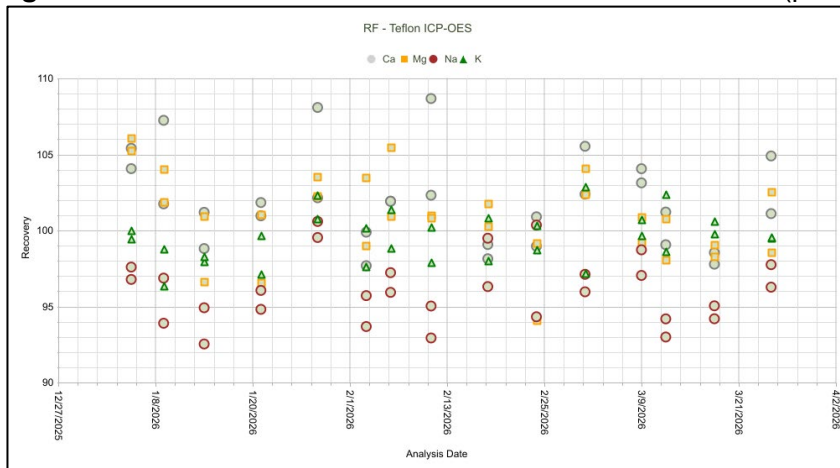


Figure 2 Continuing Calibration Spike Results for First Quarter 2026 (percent recovery)

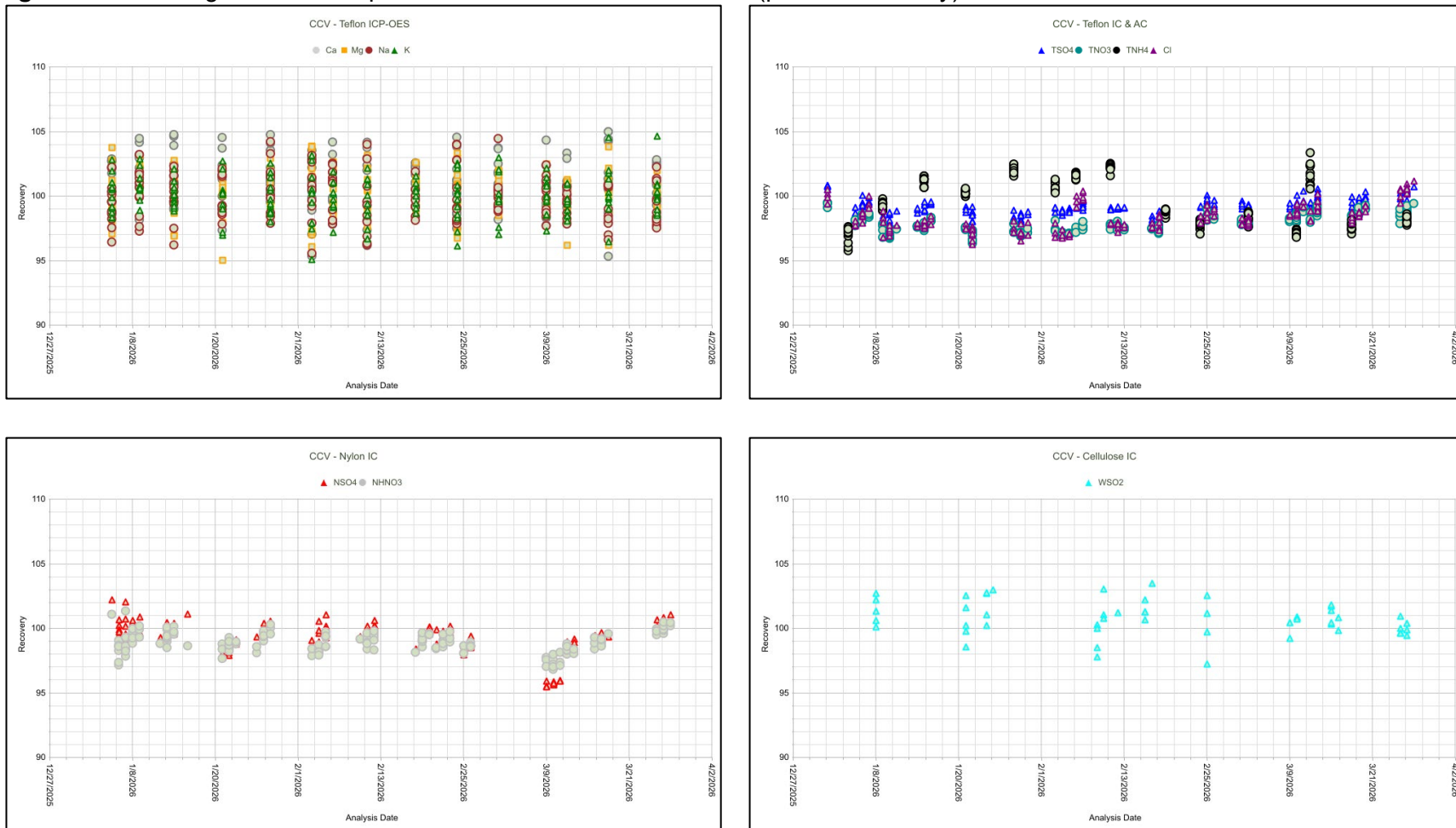
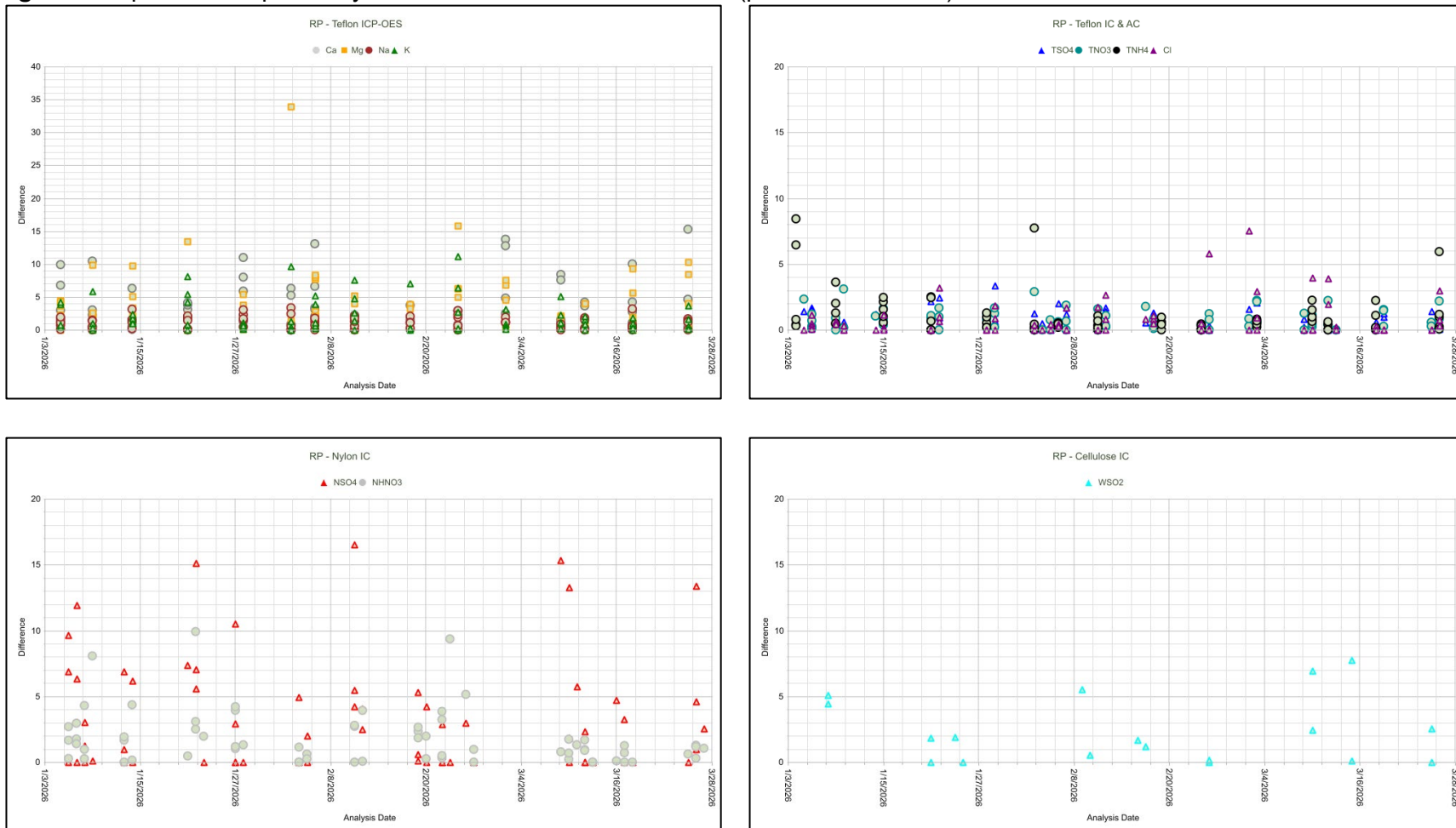


Figure 3 Replicate Sample Analysis Results for First Quarter 2026 (percent difference)



**Figure 4** Laboratory Control Sample Results for First Quarter 2026 (percent recovery)

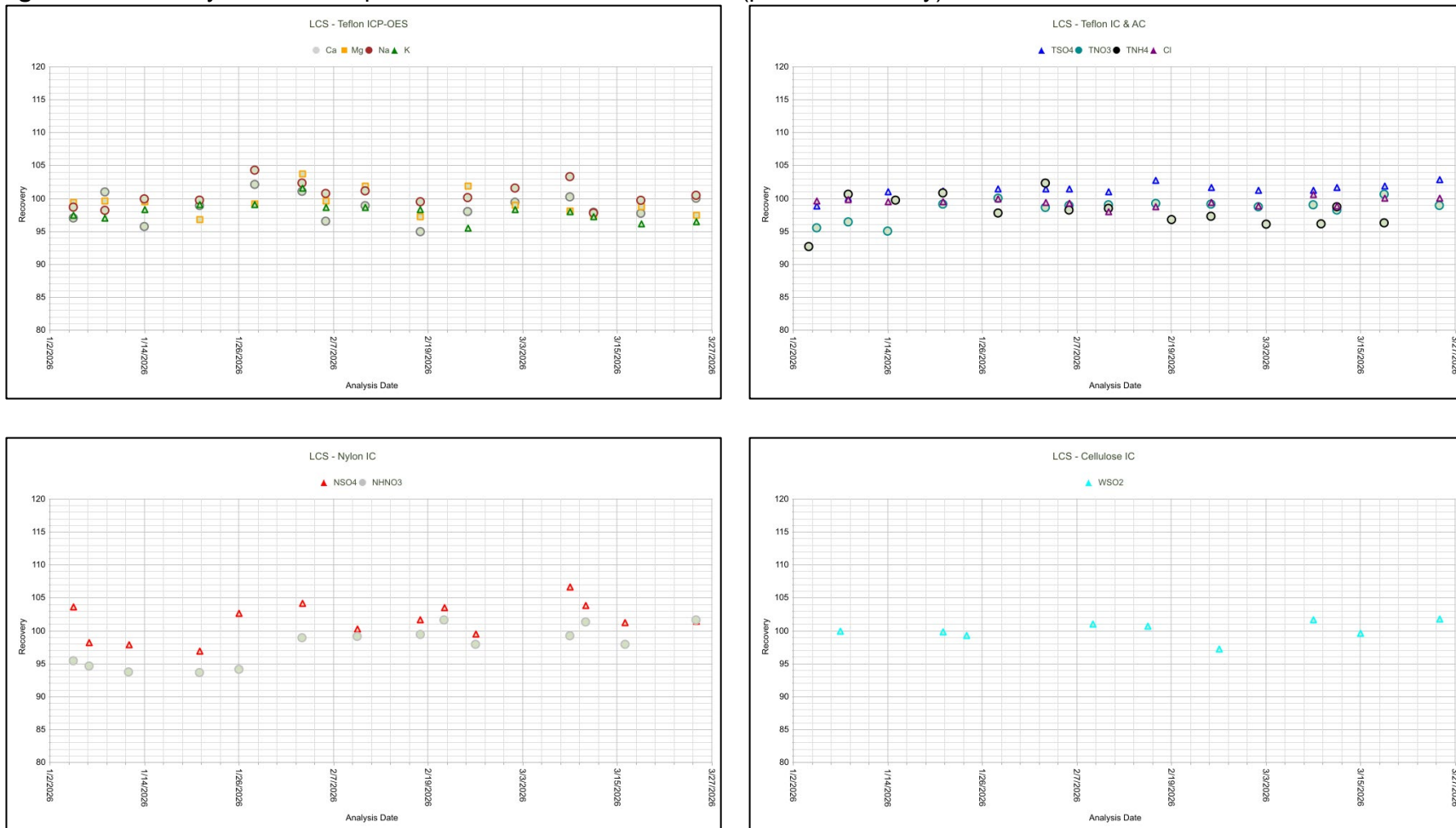


Figure 5 Method Blank Analysis Results for First Quarter 2026 (total micrograms)

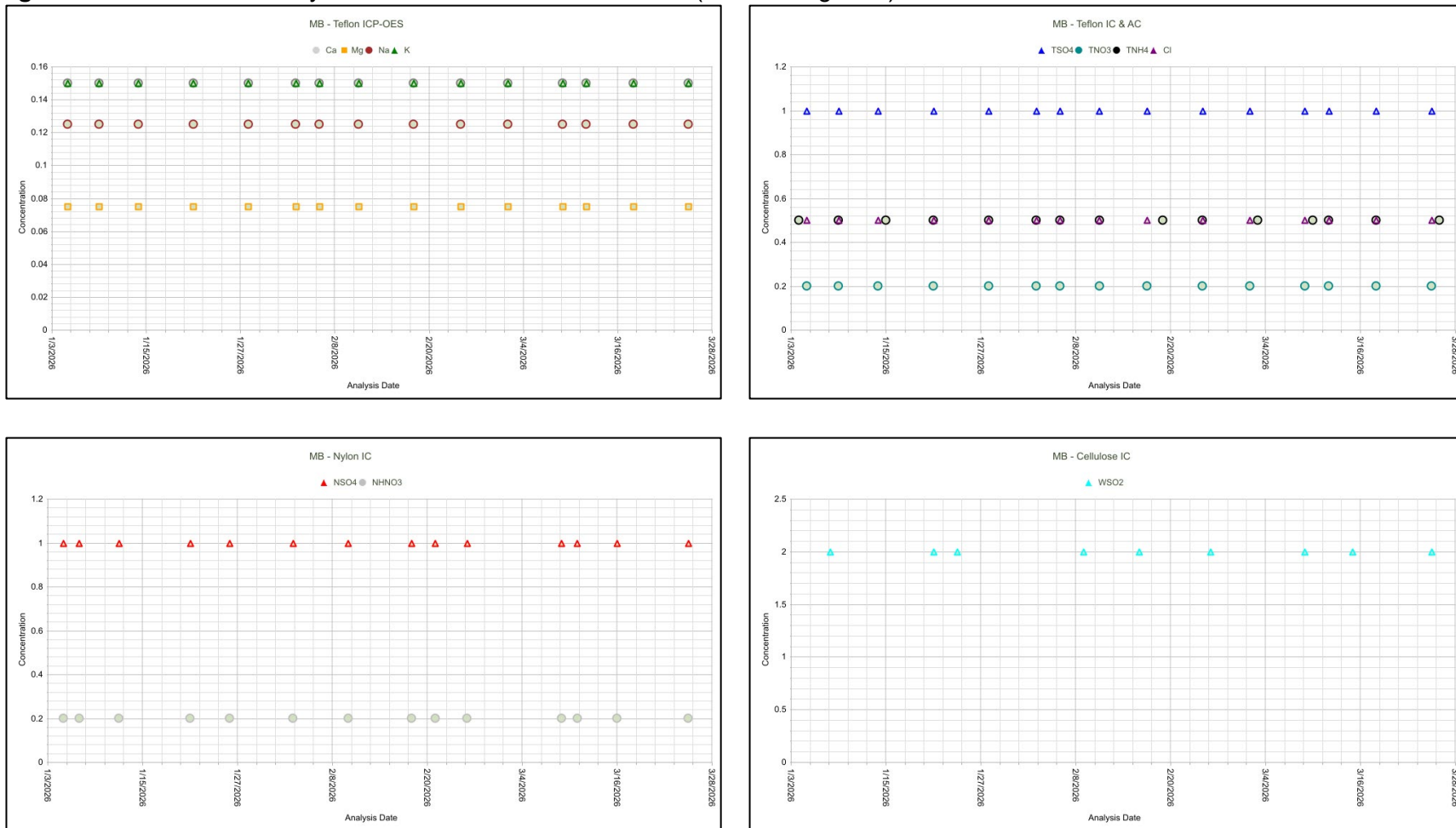
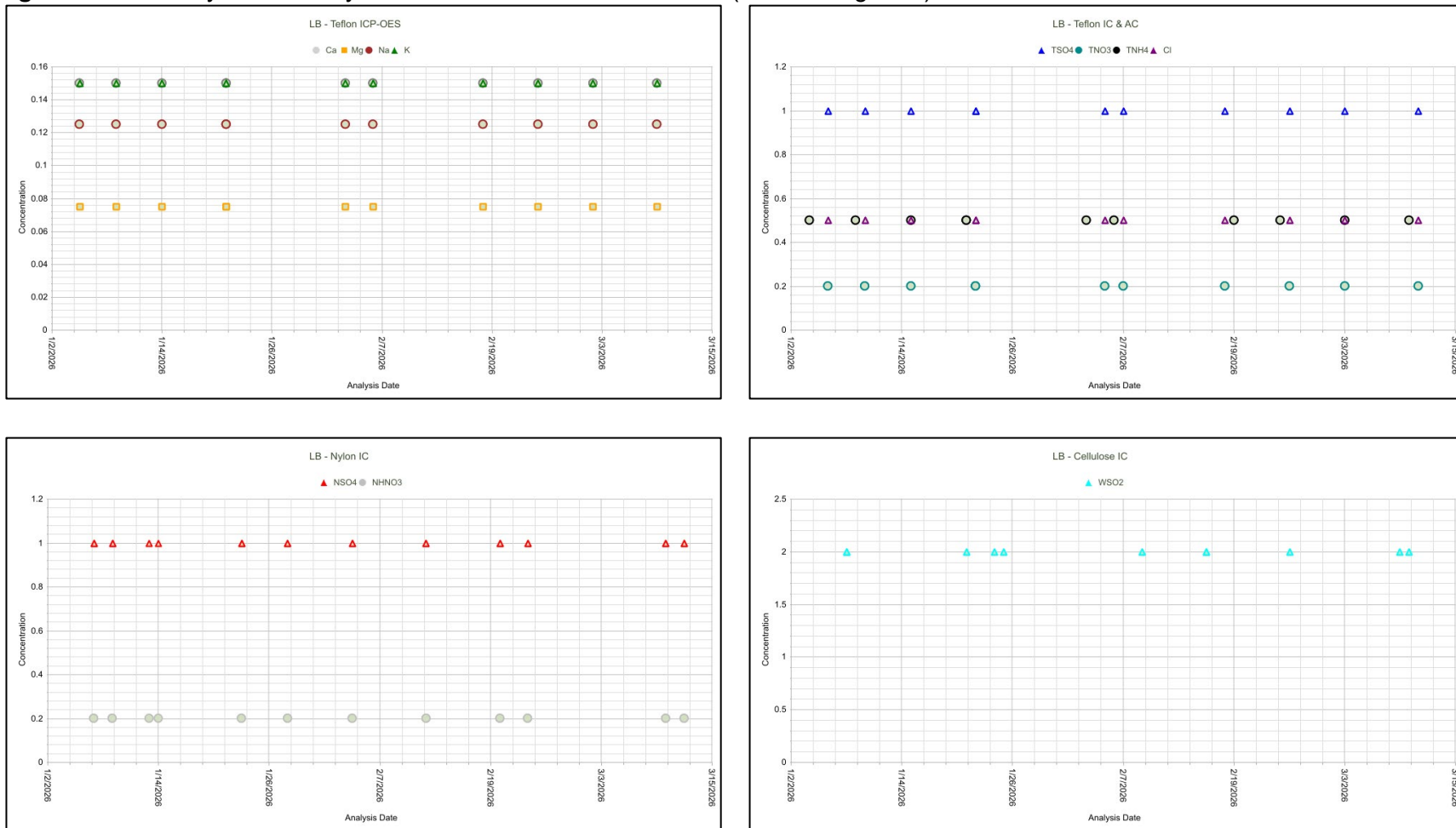


Figure 6 Laboratory Blank Analysis Results for First Quarter 2026 (total micrograms)



**Figure 7** Field Blank Analysis Results for First Quarter 2026 (total micrograms)

