

*** All present are expected to conduct themselves in accordance with our City's Core Values ***



OFFICIAL NOTICE AND AGENDA

of a meeting of a City Board, Commission, Department Committee, Agency, Corporation, Quasi-Municipal Corporation or Sub-unit thereof.

Notice is hereby given that the Park and Recreation Committee of the City of Wausau, Wisconsin will hold a regular or special meeting on the date, time and location shown below.

Meeting of the:	PARKS AND RECREATION COMMITTEE OF THE CITY OF WAUSAU
Date/Time:	<u>Monday, February 5, 2024 at 4:30pm</u>
Location:	407 Grant St, Wausau WI 54403 - Council Chambers
Members:	Dawn Herbst, Carol Lukens, Tom Kilian, Lou Larson, Sarah Watson

AGENDA ITEMS FOR CONSIDERATION (All items listed may be acted upon)

- 1 Call the Meeting to Order
- 2 Public Comment or Suggestions
- 3 Approve Minutes - December 4, 2023
- 4 Discussion and Possible Action Reviewing the Results from the Riverside Park Remediation Project-Presentation by REI
- 5 Discussion and Possible Action on Presentation of 2023 Year in Review
- 6 Discussion and Possible Action on the 2024 Parks, Recreation & Forestry Department Work Plan
- 7 Educational Items
 - A. Park Updates (Brockmeyer Park, Oak Island Restroom, Kaiser Pool, Scholfield Park, Schulenberg Pool, 400 Block, Sylvan Hill, Snow Removal)
- 8 Future Agenda Items -
- 9 Next Meeting Date - March 4, 2024 at 4:30pm
- 10 Adjournment

Jamie Polley, Director

Members of the public who do not wish to appear in person may view the meeting live over the internet on the City of Wausau's YouTube Channel <http://www.tinyurl.com/WausauCityCouncil>, live by cable TV, Channel 981, and a video is available in its entirety and can be accessed at <https://tinyurl.com/WausauCityCouncil>. Any person wishing to offer public comment who does not appear in person to do so, may e-mail Jamie.polley@co.marathon.wi.us with "Parks Committee public comment" in the subject line prior to the meeting start. All public comment, either by email or in person, if agendaized, will be limited to items on the agenda at this time. The messages related to agenda items received prior to the start of the meeting will be provided to the Chair.

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 (ADA), the City of Wausau will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs or activities. If you need assistance or reasonable accommodations in participating in this meeting or event due to a disability as defined under the ADA, please call the ADA Coordinator at (715) 261-6622 or ADAServices@ci.wausau.wi.us to discuss your accessibility needs. We ask your request be provided a minimum of 72 hours before the scheduled event or meeting. If a request is made less than 72 hours before the event the City of Wausau will make a good faith effort to accommodate your request.

This Notice was posted at City Hall and transmitted to the Daily Herald newsroom on 02/01/24 @ 1:00 p.m. Questions regarding this agenda may be directed to Jodi Luebke, Park Office (715) 261-1560.

Distribution List: City Website, Media, WSD-Admin, Alderpersons, Mayor, Polley, Dept. Staff, Maryanne Groat, Brad Lenz, Eric Lindman, Lance Leonhard, Wisconsin Woodchucks, Wausau Events, Public Access, Wausau River District

4. Discussion and Possible Action Reviewing the Results from the Riverside Park Remediation Project-Presentation by REI

A representative from REI will review the report that has been submitted to the DNR with the results of the Riverside Park Remediation Project.

5. Discussion and Possible Action on Presentation of 2023 Year in Review

2023 was an extremely busy year with high park usage and a number of projects. Staff has gathered information on the work completed in 2023 and is providing the Committee with an overview.

No action is requested.

6. Discussion and Possible Action on the 2024 Parks, Recreation & Forestry Department Work Plan

The 2024 work plan for the department is attached. The Committee is asked to review and provide comments on the work plan.

The Committee is asked to approve the work plan.

7A. Park Updates

Brockmeyer Park: JoJo's Jungle – working with volunteer group on plant replacement and design with the work to be done in spring 2024.

- Repairs are being made to the ballfield shed door

Oak Island: The new restroom construction continues; the exterior is mostly complete, and staff will begin to work on the interior installing fixtures and partitions.

Kaiser Pool: Contracting company, Fisher, continues work on slide stairs and repairs to play features. These are planned small projects.

Scholfield Park: The boat launch kiosk is installed. This was a joint project between our department and the Wausau School District.

Schulenberg Pool: Contracting Company, Fisher continues work on play feature slide repair.

400 Block: Ice rink was up and running however with the unseasonably warm temperatures the rink is now closed. The 400 Block is the only outdoor rink that was able to be built this year.

Sylvan Hill: The tubing hill is up and running currently with both hills available. We are watching the conditions of the hill daily as the warm temperatures and rain are melting the snow. We plan to keep at least one hill open as long as possible. Staffing has been a bit of a challenge at times.

Snow Removal: The crews are completing snow removal and brining at various location as needed.

DRAFT

CITY OF WAUSAU – PARKS AND RECREATION COMMITTEE MEETING MINUTES

Date/Time: December 4, 2023 at 4:30 p.m. Location: Council Chambers, City Hall
Parks and Recreation Committee Members Present: Dawn Herbst (c), Tom Kilian, Carol Lukens, Sarah Watson
Excused: Lou Larson
Others Present: Jamie Polley-Parks Director

1. In accordance with Chapter 19, Wisc. Statutes, notice of this meeting was posted and sent to the Daily Herald in the proper manner. A quorum was present and the meeting was called to order at 4:30pm.
2. Public Comment or Suggestions – none brought forward.
3. Approve Minutes – November 6, 2023 – **Motion** by Watson, second by Lukens to approve the Park and Recreation Committee draft November 6, 2023 minutes. Motion **carried** by voice vote, vote reflected as 4-0.
4. Discussion and Possible Action Amending Municipal Code 9.21.050 Controlled Areas – Polley explained that the department received a request from the Waterski Association to move their current use at DC Everest Park to Bluegill Bay Park. The Park Commission will discuss the move itself in January and decide whether they feel Bluegill Bay can handle it based on the current uses there. The DNR will have to approve whether the waterski group can move their jump. The water is also regulated by all the municipalities that touch it. The county owns the property which is within a municipality so this municipal ordinance change would include the City of Wausau, Village of Rib Mountain, City of Schofield and the Village of Rothschild if they were to move. The wording in the ordinance will change from DC Everest Park to Bluegill Bay Park. The only municipality that has taken it to their board so far is Rib Mountain who has agreed to change the ordinance if the County allows the change of the land use.

The Park commission will be discussing the plan which would be using Bluegill Bay Park Wednesday and Sunday nights. It's possible the Park Commission may look at a trial year which would require the ordinance change. Kilian requested if the transition is made if there is a way to see if that void could be filled at DC Everest Park with other activities that people could attend there. Polley will task the Recreation Superintendant with coming up with some ideas. Discussion followed. **Motion** by Lukens, second by Watson to amend municipal code 9.21.050 and forward to City Council contingent upon the Parks Commission approval of the park change. Motion **carried** by voice vote, vote reflected as 4-0.

5. Educational Items

A. Park Updates – Athletic Park – The broken water valve has been replaced. Safety net has been replaced with some adjustment needed in the spring. Oak Island Restroom – Staff has poured the slab and the rough-in plumbing is complete. The structure will be constructed over the winter. Christmas Trees – Christmas trees have been installed at the 400 Block, CoVantage, City Hall, and Courthouse. Sylvan Hill – Snowmaking operations began 11/27 with the planned opening date of 12/15. Urban Forestry – Tree care operations are routine at this point. Vandalism/Encampments – Vandalism at 400 Block, Hammond, Kickbush Plaza, Memorial, and Scholfield. Encampments were cleaned up at Fern Island and Farmer's Market/Rivers Edge Trail.

6. Future Agenda Items – none brought forward

7. Next Meeting Date – No meeting scheduled in January unless needed for actionable items.

8. Adjournment – **Motion** by Watson, second by Kilian to adjourn at 5:00pm. Motion **carried** by voice vote, vote reflected as 4-0.



**CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING**

January 24, 2024

Wisconsin Department of Natural Resources

Attn: Mr. Matthew Thompson

1300 W. Clairmont Avenue

Eau Claire, WI 54701



Subject:

Excavation Documentation Report
Riverside Rail Corridor
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Dear Mr. Thompson:

Enclosed is the excavation documentation report and technical assistance request for the above site in Wausau, WI. This report summarizes the remedial excavations undertaken at this site in relation to the dioxin contamination exceeding the Wisconsin Administrative Code (WAC) Chapter NR720 Non-Industrial Direct Contact RCLs identified in the local soils of the municipal park.

Please call me if you have questions or comments at (715) 675-9784 or email me at Mmichalski@REIengineering.com.

Sincerely,
REI Engineering, Inc.

Matthew Michalski, P.G.
Hydrogeologist

cc: City of Wausau, Attn: Eric Lindman, P.E. (e-copy)



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4080 N. 20th Avenue Wausau, WI 54401
715-675-9784 REIengineering.com



REI

**CIVIL & ENVIRONMENTAL
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EXCAVATION DOCUMENTATION REPORT

RIVERSIDE RAIL CORRIDOR

132 RIVER STREET

WAUSAU, WI 54401

BRRTS #02-37-584785

REI PROJECT #9073



**COMPREHENSIVE
SERVICES WITH
PRACTICAL
SOLUTIONS**



EXCAVATION DOCUMENTATION REPORT

RIVERSIDE RAIL CORRIDOR

132 RIVER STREET

WAUSAU, WI 54401

BRRTS #02-37-584785

REI PROJECT #9073



PREPARED FOR:

**City of Wausau
Attn: Mr. Eric Lindman, P.E.
407 Grant Street
Wausau, WI 54403**

JANUARY 2024

EXCAVATION DOCUMENTATION REPORT

WISCONSIN ADMINISTRATIVE CODE CHAPTER NR712 CERTIFICATIONS

The recommendations contained in this report are based on the information obtained from our study of the site and were arrived at in accordance with accepted hydrogeologic and engineering practices at this time and location.

"I, Matthew C. Michalski, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Matthew C. Michalski
Hydrogeologist

1/24/2024
Date

"I, Brian J. Bailey, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

B. J. Bailey
Scientist

1/24/2024
Date

"I, Eric L. Bradfish, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

E. L. Bradfish
Environmental Engineer



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EXCAVATION DOCUMENTATION REPORT

RIVERSIDE RAIL CORRIDOR

132 RIVER STREET

WAUSAU, WI 54401

BRRTS #02-37-584785

REI PROJECT #9073

1.0 EXECUTIVE SUMMARY

The subject property is currently and has been utilized as a public park maintained by the City of Wausau. The lands currently contained within the park boundaries were deeded to the city through three (3) deeds dated October 15, 1923, January 18, 1930, and November 13, 1930 with provisions requiring the lands be maintained as a public park for free use of the public.

On September 24, 2019, TRC Solutions submitted results for the Wood Waste Burning Site Investigation related to the open WAULECO SNE Corp (BRRTS# 02-37-000006) Environmental Repair Program (ERP) site. Soil samples were collected based on aerial deposition models with samples collected both within and outside of modeled deposition areas. Soil samples collected outside of the area of modeled deposition were located near potential sources of dioxins and furans. Three (3) samples were collected along former railroad tracks south of Riverside Park which revealed an exceedance for residential direct contact Residual Contaminant Level (RCL).

On November 21, 2019, the City of Wausau received a “Responsible Party” letter for contamination identified within the former rail corridor located at the south end of Riverside Park. The “Responsible Party” letter identified the property owners’ responsibilities in relation to the identified contamination. An ERP site listing was opened for the property on the WDNR’s BRRTS database. On December 31, 2019, REI submitted a Site Investigation Workplan on behalf of the responsible party.

The site investigation consisted of thirty (30) hand sampling locations. Fifty-seven (57) unsaturated soil samples were submitted to a state certified laboratory for analysis.

Laboratory analytical results for seventeen (17) soil samples collected either within the subject property boundaries or surrounding neighborhood, by other consulting firms, as part of other projects submitted to the WDNR were also utilized. Following completion of the site investigation and remedial actions options, excavation and disposal of the contaminated soils was determined to be the most effective option to remediate the site. Prior to completion of the soil excavation, an additional eighteen (18) soil samples were collected from the proposed excavation perimeter to verify the lateral extent of unsaturated soil contamination exceeding the Wisconsin Administrative Code (WAC) Chapter NR720 Non-Industrial Direct Contact RCLs.

Two (2) remedial excavations were completed to remove contaminated soil from the subject property. Cumulatively, 1,829.03 tons of impacted soil were excavated and transported to the Marathon County Landfill for disposal. The excavations were backfilled with borrow and topsoil before being seeded and covered with erosion control matting. Based on the data collected, the two (2) soil excavations have removed a significant portion of soil contamination identified within Riverside Park.

Residual soil contamination remains in the area of soil sample S27, however the identified concentrations only exceed the WAC Chapter NR720 Non-Industrial Direct Contact RCLs and the sample was collected from below the direct contact zone. This contamination can be managed through the implementation of a maintenance plan for the borrow, topsoil, and vegetation to maintain the clean fill placed after completion of the soil excavation and prevent direct contact with residual soil contamination in this area.

REI is recommending additional site investigation in the area of soil samples S45 and S46. Shallow soil contamination located within the top one (1) foot of the soil column remains in this area. The contamination was initially identified following completion of the July 2023 soil excavation. The October 2023 soil excavation attempted to remove the identified contamination, but sidewall samples identified the contamination remained in a larger area.

REI is requesting the WDNR make a determination regarding the Responsible Party status for soil samples S29, S36, and S37.

The area of soil sample S29 appears to represent an area of historic upgradient stormwater flow into the culvert, previously located inside Riverside Park, which was identified as the source of dioxin contamination within the park.

The area of soil samples S36 and S37 were collected along residential properties, but visible yard waste, consisting of grass clippings, along with ash, from an unknown source, were identified mainly in the area of soil sample S36. These samples may also be representative of a larger issue throughout the community near Riverside Park. Historic soil samples have identified concentrations of dioxins exceeding the WAC Chapter NR720 Non-Industrial Direct Contact RCLs sporadically in the surrounding neighborhood.

2.0 INTRODUCTION

2.1 Purpose of Report

The purpose of this report is to document the remedial excavation results pursuant to the requirements of Wisconsin Administrative Code (WAC) Chapter NR724. The primary goal of the remedial excavation was to remove soil impacted with dioxins exceeding the WAC Chapter NR720 Non-Industrial Direct Contact Not to Exceed Residual Contaminant Levels.

2.2 General Information

2.2.1 Responsible Party

City of Wausau
Attn: Mr. Eric Lindman, P.E.
407 Grant Street
Wausau, WI 54403

2.2.2 Environmental Consulting Firm

REI Engineering, Inc.
Attn: Mr. Matthew C. Michalski
4080 North 20th Avenue
Wausau, Wisconsin 54401
Phone (715) 675-9784

2.2.3 Regulatory Contact

Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
Attn: Mr. Matt Thompson
West Central Regional Office
1300 W. Clairemont Avenue
Eau Claire, WI 54701

2.2.4 Site Name and Location

Site Name & Address:

Riverside Rail Corridor
132 River Street
Wausau, WI 54401

Facility ID:

737251350

Parcel ID Number:

291-2907-362-0511

Public Land Survey System:

The North Half (N $\frac{1}{2}$) of the Southeast Quarter (SE $\frac{1}{4}$) of Section Thirty-five (35), Township Twenty-nine North (29N), Range Seven East (7E), Marathon County, Wisconsin.

WTM Coordinates:

Easting: 548,852

Northing: 497,486

Latitude & Longitude:

Latitude: 44° 57' 0.8" N

Longitude: 89° 38' 3.33" W

Legal Description:

The subject property was obtained by the City of Wausau through three (3) deeds dated October 15, 1923, January 18, 1930, and November 13, 1930 with provisions requiring the lands be maintained as a public park for free use of the public. Per the City of Wausau, no plat or certified survey maps exist for the subject property parcels.

The site location is depicted in Figure 1. Site photographs are included in Appendix A.

2.3 Site Background

2.3.1 Current & Historic Land Use

Site background information including current and historic land use, site layout, zoning, previous releases/investigations, current investigation summary, and other data sources utilized are summarized in the Site Investigation Reports submitted to the WDNR on September 20, 2021 and the Remedial Actions Options Report submitted to the WDNR on June 2, 2022. The current site layout is depicted in Figure 2, Figure 3, Figure 4, and Figure 5.

2.3.2 Summary of Site Investigation

The following is a summary of events that have taken place at the site as part of the site investigation:

December 19, 2019	WDNR notified that REI was retained as the environmental consultant for environmental investigation.
December 31, 2019	REI submitted Site Investigation Work Plan to the WDNR.
January 30, 2020	WDNR provides notice to proceed with the scope of services outlined in the December 31, 2019 Site Investigation Work Plan.
April 23, 2020	REI personnel collected soil samples from sample locations R1 through R10 and P1 through P5.
July 10, 2020	REI personnel staked the proposed soil sample locations P6 through P16.
August 5, 2020	REI personnel collected soil samples from sample locations P6 through P16, RP-102, and RP-103. Due to a power outage at the laboratory the collected samples exceeded the allowable holding temperature and as such were not analyzed.
September 14, 2020	REI personnel collected soil samples from sample locations P6 through P16, RP-102, and RP-103.
February 24, 2021	WDNR requests additional soil sampling to further define degree and extent.
April 23, 2021	REI personnel staked the proposed soil sample locations P17 through P20.
May 12, 2021	REI personnel collected soil samples from sample locations P1, P11, P17 through P20, and R11.
September 20, 2021	REI submitted a Site Investigation Report to the WDNR.

November 12, 2021 WDNR approved the Site Investigation Report.

June 2, 2022 REI submitted a Remedial Action Options Report

2.4 Contaminant of Concern Information

2.4.1 Terminology Utilized

Due to the numerous naming conventions and substantial number of compounds potentially included as part of the dioxins, furans, and biphenyls families of chemicals, the following terminology is commonly utilized and will be included throughout this report. 2,3,7,8-tetrachlorodibenzo-*p*-dioxin is commonly shortened to 2,3,7,8-TCDD, TCDD, or referenced simply as dioxin. Dioxin-like compounds (DLCs) is “a description used for compounds that have chemical structures, physico-chemical properties, and toxic responses similar to TCDD (U.S. EPA, 2010).” DLCs include compounds from the dioxins, furans, and biphenyls families of chemicals. Furthermore, dioxin and dioxin-like compounds are commonly referenced simply as dioxins.

2.4.2 Dioxins, Furans, and Biphenyls

These compounds include chlorinated and brominated dibenzo-*p*-dioxins (CDDs and BDDs), dibenzo-*p*-furans (CDFs and BDFs), and biphenyls (PCBs and PBBs). Dioxins consists of two (2) benzene molecules joined by two (2) oxygen molecules at adjacent carbons on each of the benzene molecules and between one (1) to eight (8) chlorine and/or bromine atoms. Furans consist of two (2) benzene molecules fused to a central furan molecule and between one (1) to eight (8) chlorine and/or bromine atoms. Biphenyls consist of two (2) linked benzene molecules with between one (1) to ten (10) chlorine and/or bromine atoms. Not all dioxins and dioxin-like compounds have the same toxicity or ability to cause illness or adverse health effects and not all isomers are biologically active (ATSDR, 2006).

The most toxic form of dioxins is 2,3,7,8-TCDD, which is the most studied isomer (ATSDR, 1999). Because of their hydrophobic nature and resistance towards metabolism, dioxins persist and bioaccumulate in fatty tissues of animals and humans (U.S. EPA, 2010).

2.4.3 Cleanup Standard Utilized

Per the WDNR letter dated November 12, 2021, the recommended WAC Chapter NR720 Non-Industrial Direct Contact standards were utilized to verify the completeness of the remedial excavation. Table 1 summarizes the current WAC Chapter NR720 State Soil Standards for compounds analyzed as part of the site investigation and remediation:

Compound	Non-Industrial Direct Contact	Industrial Direct Contact	Groundwater Protection
Dioxins (ng/kg)			
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	4.82	21.8	30
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	4.93	22.3	No Standard
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	49.3	223	No Standard
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	49.3	223	No Standard
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	49.3	223	No Standard
1,2,3,7,8,9-Heptachlorodibenzo-p-dioxin (HpCDD)	484	2.19E+03	No Standard
Octachlorodibenzo-p-dioxin (OCDD)	1.64E+04	7.44E+04	No Standard
Furans (ng/kg)			
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	48.2	219	No Standard
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	164	744	No Standard
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	16.4	74.4	No Standard
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	48.5	220	No Standard
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	48.5	220	No Standard
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	49.3	223	No Standard
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	49.3	223	No Standard
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	490	2.22E+03	No Standard
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	490	2.22E+03	No Standard
Octachlorodibenzofuran (OCDF)	1.64E+04	7.44E+04	No Standard

Table 1: WAC Chapter NR720 Non-Industrial Direct Contact RCLs for analyzed compounds.

Additionally, the Cumulative Hazard Index and Cumulative Cancer Risk were calculated for each sample location. The Cumulative Hazard Index and Cumulative Cancer Risk were calculated utilizing the WDNR RCL Spreadsheet for Non-Industrial Properties and is utilized to assess the cumulative impact for direct contact with mixtures of compounds. The spreadsheet calculates a Hazard Quotient and/or Cancer Risk for each compound with concentrations exceeding the laboratory method limit of detection. The sum of all calculated Hazard Quotients equals the Cumulative Hazard Index. The sum of all calculated individual Cancer Risk values equals the Cumulative Cancer Risk. To assess the potential cumulative impact of samples impacted by

multiple dioxin compounds a Cumulative Hazard Index of 1.0 or greater and a Cumulative Cancer Risk greater than 1×10^{-5} are utilized to determine if direct contact with contaminated soils exceeded the WAC Chapter NR720 Non-Industrial Direct Contact RCLs.

3.0 METHODOLOGIES

3.1 Soil

Investigation of the extent of soil contamination and post remedial excavation confirmation sample collection was conducted via hand sampling. Soil samples were obtained by utilizing a clean decontaminated shovel to remove soils until the top of the sample interval was encountered. REI personnel used a stainless-steel garden trowel to loosen soils within the sample interval. A freshly gloved hand was then used to collect the loosened soils and fill the appropriate laboratory provided containers. Once filled the containers were closed with the appropriate screw on lids and labeled. Sampling methods and procedures are included in this report as Appendix B.

3.2 Soil Sample Series

Four (4) soil sample series were collected by REI as part of this site investigation and remediation. Initially, the “R” series sample locations were collected as part of the WDNR required WAC Chapter NR716 site investigation. “P” series sample locations were initially requested by the City of Wausau Park and Recreation Committee based on historic soil sample laboratory analytical results, collected from within the park. The “LF” series was limited to composite soil samples collected for laboratory analysis based on requirement of the Marathon County Landfill prior to accepting any excavated material. The “S” series sample locations consist of confirmation samples collected from the sidewalls and base of the remedial excavation. Soil analytical results are summarized in Tables 2a-l. Soil sample locations are shown on Figure 2, Figure 3, Figure 4, and Figure 5.

3.2.1 “R” Series Samples

In April 2020, ten (10) soil sample locations, R1 through R10, were selected along the historic railroad corridor extending northwest from Thomas Street into Riverside Park along the southwestern property boundary. Seven (7) of the ten (10) sample locations were located directly adjacent to the existing railroad tracks. Three (3) sample locations were located approximately fifteen (15) to fifty (50) feet side gradient of the

railroad tracks. One (1) soil sample was collected from each sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins.

In September 2020, REI personnel collected additional soil samples from two (2) of the soil sample locations sampled in April 2020. At both locations, the additional soil sample was collected from a deeper sample interval. One (1) soil sample was collected from each sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins.

In May 2021, one (1) additional soil sample was added to the “R” series. The sample location was requested by the WDNR due to historic analytical results. One (1) soil sample was collected and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins.

After collection, “R” series sample locations were staked by REI personnel. City of Wausau personnel surveyed the sample locations at a later date.

3.2.2 “P” Series Samples

In April 2020, the City of Wausau Park and Recreation Committee requested REI personnel collect soil samples from five (5) locations identified by the committee. Two (2) soil samples were collected from each sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins. One (1) soil sample was collected from approximately two (2) to three (3) inches below land surface (bls). In areas of manicured lawn, this sample interval was directly beneath the rooting zone and in lightly vegetated or non-vegetative locations was of sufficient depth to remove highly organic soils composed primarily of decaying leaves and vegetation and shallow roots. The second sample was collected at depths ranging from seven (7) to fourteen (14) inches below land surface. The depth of the second sample interval was either collected directly below the A soil horizon in four (4) of the five (5) sample locations and at refusal in sample location P1. Sample location P1 was located directly below the outfall of a culvert and appears to have historically been armored with large pieces of concrete. Multiple attempts were made to reach deeper depths but were unsuccessful.

In September 2020, REI personnel collected soil samples from eleven (11) soil sample locations within Riverside Park. Two (2) soil samples were collected from each sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins.

In May 2021, REI personnel collected soil samples from four (4) new soil sample locations within Riverside Park. Two (2) soil samples were collected from each sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins. One (1) additional soil sample was collected from the P1 and P11 sample locations at depths greater than the previous sampling completed. One (1) soil sample was collected from each sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins.

After collection, “P” series sample locations were staked by REI personnel. City of Wausau personnel surveyed the sample locations at a later date.

3.2.3 “LF” Series Samples

In September 2022, REI personnel collected four (4) composite soil samples from within the proposed excavation boundaries. Each composite sample was collected by REI personnel walking a line perpendicular to the slope of the hillside. For each composite sample, approximately 8oz of soil was collected from four (4) to six (6) discrete, approximately evenly spaced, sample locations between the identified start and stop locations. The collected soil was placed in a resealable plastic bag. After sufficient soil was collected from each sample line the bag was sealed and manually agitated until the collected soil was sufficiently mixed. The mixed soil was then placed in laboratory provided containers for analysis of Marathon County Landfill Protocol 1 analytes.

The start and end locations of the composite landfill samples were mapped based on visual reference and historic staked sample locations.

3.2.4 “S” Series Samples

In September 2022, REI personnel collected soil samples from twelve (12) new sample locations within Riverside Park. One (1) soil sample was collected from each sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of

seventeen (17) dioxins. The sample locations were located around the proposed excavation boundary, except for the southwest excavation boundary as the excavation was being limited to the within the subject property.

In October 2022, REI personnel collected a soil sample from one (1) new sample location within Riverside Park. One (1) soil sample was collected from the sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins. The soil sample location was determined after proposed soil excavation boundary sample soil sample S6 identified exceedances of the WAC Chapter NR720 Non-Industrial Not-to-Exceed RCLs.

In November 2022, REI personnel collected soil samples from five (5) new sample locations within Riverside Park. One (1) soil sample was collected from each sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins. The soil sample locations were determined after proposed soil excavation boundary sample soil samples S6 and S13 identified exceedances of the WAC Chapter NR720 Non-Industrial Not-to-Exceed RCLs.

In July 2023, REI personnel collected soil samples from twenty-five (25) new sample locations within Riverside Park. One (1) soil sample was collected from each sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins. The soil sample locations were determined based on the lateral and vertical extent of the completed soil excavation and locations of previously collected soil samples.

In October 2023, REI personnel collected soil samples from three (3) new sample locations within Riverside Park. One (1) soil sample was collected from each sample location and submitted to a state certified laboratory for EPA Method 1613B analysis of seventeen (17) dioxins. The soil sample locations were determined based on the lateral and vertical extent of the completed hand excavation following the identification of WAC Chapter NR720 Non-Industrial Not-to-Exceed RCLs exceedances in soil sample S33.

After collection "S" series sample locations were mapped based on visual observation and measurements from known site features. Due to ongoing excavation and

backfilling operations, occurring during sample collection, staking and surveying were not feasible.

3.3 Decontamination Procedures

Equipment used throughout the investigation and excavation confirmation sample collection process was decontaminated utilizing the following procedure. Please note, the only reusable equipment employed during the site sampling consisted of metal shovels and a stainless-steel garden trowel. Prior to decontamination, excess soils were removed. Equipment was then placed in a clean 5-gallon plastic bucket containing a mixture of deionized water and Liquinox® prepared according to the manufacturer's instructions. The equipment was scrubbed with a clean nylon brush with particular care taken to clean all areas which contacted soils during hand sampling. Equipment was then rinsed in a separate clean 5-gallon bucket containing deionized water to remove any remaining cleaning solution. Finally, the equipment was rinsed with deionized water and the rinse water was captured in a third 5-gallon bucket. Decontaminated equipment was allowed to air dry prior to additional sampling use.

Water utilized to decontaminate equipment was containerized in 55-gallon steel DOT approved drums and temporarily stored at REI's facility until disposal.

3.4 Investigative and Remedial Wastes

Soils removed during soil sampling activities were utilized to backfill the sample locations. Deionized water utilized for decontamination of equipment was containerized and transported to the City of Wausau Wastewater Treatment Plant for treatment. Documentation for disposal of water used for decontamination of sampling equipment is included in Appendix C.

4.0 SUMMARY OF REMEDIAL ACTIONS

The following is a summary of events that have taken place at the site as part of the site remediation:

June 2, 2022	REI submitted a Remedial Action Options Report
September 13, 2022	REI personnel collected soil samples from sample locations S1 through S12. REI personnel also collected composite soil

samples LF1 through LF4 for future waste disposal approval at the Marathon County Landfill.

October 20, 2022	REI personnel collected a soil sample from sample location S13.
November 28, 2022	REI personnel collected soil samples from sample locations S14 through S18.
March 13, 2023	The City of Wausau begins advertising for bids from prospective excavation contractors to complete the remedial excavation.
March 28, 2023	REI conducts an on-site meeting with prospective bidders to answer informal questions concerning the site investigation and planned remediation.
March 29, 2023	REI personnel requested an Endangered Resource Review from the WDNR for the area of the proposed excavation.
April 18, 2023	The City of Wausau closed bidding and began review of the received bid documents from excavation contractors.
April 25, 2023	REI received the completed endangered resource review from the WDNR.
April 25, 2023	The City of Wausau selected Woller Stump Grinding & Excavating (Woller) as the excavation contractor.
June 26, 2023	REI personnel set up three (3) continuous monitoring air monitoring and began monitoring ambient air particulate concentrations. A weather station was also installed to monitor local weather conditions in the park near the excavation.
June 28, 2023	The City of Wausau and the selected excavation contractor, Woller, executed a contract for site preparation and excavation activities related to remedial actions.

July 5, 2023	Woller began site preparations including installation of safety fence, silt fence, and vegetation removal.
July 17, 2023	Woller begins excavation of impacted soils from park.
July 18, 2023	Woller begins stockpiling backfill material onsite for restoration after completion of the soil excavation.
July, 21, 2023	Woller completes excavation of impacted soils.
July 26, 2023	Final truckload of backfill material is delivered to the site for restoration.
July 27, 2023	REI personnel terminated air monitoring operations.
June 28, 2023	REI personnel remove air monitoring stations and weather station from site.
August 1, 2023	Woller completes restoration of excavation area including final grading, seeding, and installation of erosion control matting.

4.1 Pre-Excavation Soil Sampling

On September 13, 2022, REI personnel collected soil samples S1 through S12 from twelve (12) locations along the proposed excavation boundary perimeter. The soil samples were collected from a depth of two (2) to three (3) inches below land surface and were submitted to Pace in Green Bay, WI for laboratory analysis of seventeen (17) dioxin and furan (Tetra-Octa) compounds. The soil samples were collected prior to completion of the excavation to verify the lateral extent of the planned soil excavation. Additionally, four (4) composite soil samples, LF1 through LF4, were collected from within the planned excavation boundary and submitted to Pace in Green Bay, WI for laboratory analysis of parameters identified under Protocol 1 of the Marathon County Landfill. These samples were collected to determine if the Marathon County Landfill was able to accept the impacted soils as a solid waste.

On October 20, 2022, REI personnel collected soil sample S13 from one (1) location southeast of the previously collected soil sample S6. The soil sample was collected from a depth of two (2) to three (3) inches below land surface and was submitted to Pace in Green Bay, WI for

laboratory analysis of seventeen (17) dioxin and furan (Tetra-Octa) compounds. The soil sample was collected after the previously collected soil sample S6 identified exceedances of 1,2,3,4,6,7,8-HpCDD and 2,3,4,7,8-PeCDF.

On November 28, 2022, REI personnel collected soil samples S14 through S18 from five (5) locations southeast of soil samples S6 and S13. Soil samples S14, S15, and S16 were collected from a depth of two (2) to three (3) inches below land surface. Soil samples S17 and S18 were collected from a depth of ten (10) to twelve (12) inches below land surface. The collected soil samples were submitted to Pace in Green Bay, WI for laboratory analysis of seventeen (17) dioxin and furan (Tetra-Octa) compounds. After receipt of the laboratory analytical results the lateral extents of the soil excavation were increased based on the analytical results for the eighteen (18) samples collected between September 18, 2022 and November 28, 2022. The start and stop locations for the composite waste disposal samples are depicted on Figure 5. Waste disposal authorization is included in Appendix D.

4.2 Particulate Matter Air Monitoring

Due to concerns submitted to the WDNR Project Manager concerning the potential for the remedial excavation to generate dust, REI proposed monitoring particulate matter during the remedial excavation to monitor generation of particulate matter that may affect human health. Additionally, to establish background particulate matter concentrations, REI proposed monitoring ambient conditions before any site disturbance (vegetation removal or soil excavation).

Particulate matter (PM), also known as particle pollution, is a general term for a mixture of solid and liquid droplets suspended in the air. Particles that are ten (10) microns in diameter or smaller pose the greatest risk to human health as these particles can generally enter the lungs. Once inhaled, these particles can cause serious health effects by affecting the lungs and heart, especially vulnerable individuals with preexisting conditions. Larger particles that are greater than ten (10) microns are generally less of a concern because they do not generally enter the lungs, but can still irritate the eyes, nose, and throat.

Particles can be grouped into three (3) main categories:

- Large coarse particles are particles with a diameter larger than ten (10) microns.

- Coarse particles ($PM_{10-2.5}$) are particles with diameters larger than two and one half (2.5) microns but smaller or equal to ten (10) microns.
- Fine particles ($PM_{2.5}$) are particles with a diameter smaller or equal to two and one half (2.5) microns.

Note, the term PM_{10} encompasses coarse and fine particle fractions (particles with diameters smaller or equal to ten (10) microns). The US EPA has developed Primary and Secondary Standards for outdoor particle pollution under the Clean Air Act. The current Primary and Secondary National Ambient Air Quality Standards (NAAQS) for 24-hour average PM_{10} is $150 \mu\text{g}/\text{m}^3$ ($0.150 \text{ mg}/\text{m}^3$), not to be exceeded more than once per year on average over three (3) years.

Prior to any activities that had the potential to disturb ambient site conditions, REI installed three (3) particulate matter air monitoring stations around the perimeter of the proposed soil excavation work area to monitor particulate matter concentrations in the area around the excavation. Each monitoring station consisted of a TSA DustTrak II Aerosol Monitor set up to monitor PM_{10} in a weather resistant outdoor case. Each air monitoring station was powered by a battery with a cellular modem to allow for instantaneous remote monitoring and data collection. The air monitoring stations were designated as follows:

- Camp 1: located north-northeast of the excavation area.
- Camp 2: located southeast of the excavation area.
- Camp 3: located south-southwest of the excavation area.

The air monitoring stations were placed in a triangular pattern to allow for monitoring around the perimeter of the excavation. All air monitoring stations were installed on property owned by the City of Wausau. The air monitoring stations were operated only during regular business hours or periods of site disturbance due to limited battery duration for the air monitors.

A weather station capable of recording local temperature, wind speed, wind direction, precipitation, relative humidity, and barometric pressure was installed adjacent to air monitoring station Camp 1. The weather station and Camp 1 were installed inside of a temporary chain-link fence. Air monitoring stations Camp 2 and Camp 3 were cordoned off by safety fence.

The State of Wisconsin maintains an ambient air quality monitoring network, which is spatially distributed as outlined by the federal Clean Air Act. Parameters monitored by each station vary depending on location. The nearest stations with continuous monitoring or PM₁₀ are located approximately 90 to 115 miles to the west and south of Wausau, WI in Eau Claire, WI; Devils Lake, WI; and the Horicon Wildlife Area. During the planned excavation period air quality in substantial portions of Wisconsin were being impacted by smoke from wildfires occurring in Canada with elevated concentrations of particulate matter occurring due to the wildfire smoke. REI compared the recorded particulate matter concentrations collected from the three (3) site air monitors to data recorded at the three (3) above locations to identify periods of regional air quality issues. Please note, due to the distance of the three (3) air monitoring station connected to the State of Wisconsin air monitoring network, comparison with site data will not provide insight into smaller local events not associated with the site remediation that may have impacted the local air quality. However, due to the triangular layout of the site air monitoring stations, comparison of the upwind station to downwind stations will provide insight into potential impacts associated with off-site event or sources.

Fifteen (15) minute average PM₁₀ concentration data collected by the onsite monitoring stations along with average wind speed and direction is summarized in Graphs 1a-k. Fifteen (15) minute average PM₁₀ concentration data collected by the onsite monitoring stations compared to one (1) hour average PM₁₀ concentration data collected by the selected State of Wisconsin air monitoring network stations is summarized in Graphs 2a-f. Figure 6 identifies the location of the three (3) air monitoring stations and one (1) weather station. The complete data records for data collected by the three (3) site air monitoring stations and one (1) weather station are included in Appendix E.

4.3 July 2023 Soil Excavation

Prior to site preparations, REI personnel surveyed and staked the outer perimeter of the planned excavation to identify the area of vegetation to be removed prior to excavation of impacted soils.

On July 5, 2023, Woller began site preparation. Safety fencing was installed around the perimeter of the work area to the north, northeast and southeast. The southeast and northwest sides of the bike polo court were removed to allow equipment access to the work area and road closed signage was installed at the southeast entrance into the park. Vegetation removal consisted of cutting trees and bushes located within the excavation area. Small brush and

vegetation left in place to be removed during soil excavation. During vegetation removal it was discovered that two (2) trees located within the excavation boundary were grown into adjacent overhead lines. Following identification of the trees it was determined that Wisconsin Public Service (WPS) was responsible for trimming of trees in contact with the adjacent power lines. Both REI and Woller contacted WPS to request the trees be trimmed to allow for removal of the tree and the remedial excavation to begin as the subject trees were located on separate ends of the excavation with roots intertwined with railroad track to be removed.

On July 11, 2023, REI personnel met with Asplundh (WPS tree trimming contractor) personnel who were traveling through the area, to identify the trees. Due to delays in other projects, Asplundh was able to trim the two (2) trees on July 12, 2023. On July 13, 2023, Woller cut the remaining trees from the excavation area and cleared the remaining cut vegetation from the site on July 14, 2023. After removal of the trees from the excavation area on July 13, 2023 Woller installed silt fence perpendicular to the base of the hill side to the north and southeast of the excavation boundary. The stumps and root mass of removed vegetations was not disturbed or removed during vegetation removal. Stumps and root mass within the excavation boundary were disposed of with the excavated soil. After all vegetation was removed, REI personnel staked the excavation boundaries. After modification the updated excavation boundaries were surveyed.

Excavation of contaminated material began on July 17, 2023 and continued through July 21, 2023. Excavated soils were transported, via dump truck, to the Marathon County Landfill for disposal via direct burial.

After completion, the excavation was backfilled with borrow material from the base of the excavation to approximately six (6) inches below the final land surface. Approximately six (6) inches of topsoil was installed over the borrow material. After final grading, the backfilled area was seeded, and erosion control mat was installed.

Twenty-five (25) soil samples were collected from the base and sidewalls of the completed excavation. The collected soil samples were submitted to Pace in Green Bay, WI for laboratory analysis of seventeen (17) dioxin and furan (Tetra-Octa) compounds.

Soil analytical results are summarized in Tables 2i-1. The excavation boundaries and soil sample locations are depicted in Figure 5 and Figure 6. Summarized scale ticked data is included in Appendix F.

4.4 October 2023 Excavation

Following receipt of the laboratory analytical results for samples collected as part of the July 2023 soil excavation, one (1) soil sample collected from the toe of the hillside identified a concentration of 1,2,3,7,8-PeCDF exceeding the WAC Chapter NR720 Non-Industrial Direct Contact RCLs. A limited soil excavation was planned in an attempt to remove the impacted soils from the area of this soil sample.

On October 12, 2023 REI personnel conducted a limited hand excavation. The excavation was completed in a half circle shape along the July 2023 soil excavation boundary and centered on soil sample S33. The excavation had a radius of six (6) feet and soils from land surface to one (1) foot below land surface were removed. Excavated soils were transported to the Marathon County Landfill for disposal via direct burial.

After completion, the excavation was backfilled with topsoil, seeded, and erosion control mat was installed.

Three (3) soil samples were collected from the base and sidewalls of the excavation. The collected soil samples were submitted to Pace in Green Bay, WI for seventeen (17) dioxin and furan (Tetra-Octa) compounds.

Soil analytical results are summarized in Table 2l. The excavation boundaries and soil sample locations are depicted in Figure 5 and Figure 6. Summarized scale ticked data is included in Appendix F.

5.0 RESULTS OF REMEDIAL ACTIONS

5.1 Ambient Air Monitoring

Particulate matter air monitoring began on June 26, 2023 to establish background PM₁₀ concentrations prior to the beginning of site preparation or soil excavation. After beginning air monitoring operations, the regional air quality was negatively impacted due to smoke from wildfires originating in Canada. Between June 26, 2023 and June 29, 2023 all three (3) air monitoring stations identified elevated concentrations of PM₁₀ in the atmosphere. As no site disturbance had occurred during this period, the elevated PM₁₀ concentrations identified during this period appear to be solely associated with smoke from the Canadian wildfires.

Air monitoring during the excavation of contaminated soils (July 17, 2023 through July 21, 2023) did not identify significant increases in PM₁₀ in the immediate area surrounding the excavation area.

- On July 17, 2023, slightly elevated concentrations of PM₁₀ were sporadically identified at Camp 2, located southeast of the excavation area along the driveway used to access the excavation site, compared to the other two (2) air monitoring stations. Upon review, the sporadic events appeared to be associated with haul trucks passing over a small gravel area installed to protect the curb of the former parking lot, currently occupied by the bike polo court, and exiting the site. During this period Camp 2 was located up gradient of the prevailing wind direction. Woller personnel wetted the gravel driveway and the sporadic PM₁₀ concentrations ceased. The recorded 15-minute average PM₁₀ concentrations did not exceed the 0.150 mg/m³ Primary or Secondary NAAQS.
- On July 18, 2023, concentrations of PM₁₀ identified increasing concentrations at all three (3) stations throughout the day including after termination of soil disturbing activities. These increased concentrations were not identified in the three (3) selected regional State of Wisconsin air monitoring stations. However, all three (3) air monitoring stations identified the increased concentrations, including the monitoring location(s) upgradient of the prevailing wind directions, hence it appears the elevated concentrations were potentially due to a local event and not the excavation activities. The recorded 15-minute average PM₁₀ concentrations did not exceed the 0.150 mg/m³ Primary or Secondary NAAQS.
- On July 19, 2023, concentration of PM₁₀ appeared to remain slightly elevated before the beginning of site disruption for the day. All three (3) site air monitoring stations, including the monitoring location(s) located upgradient of the prevailing wind directions, identified similar concentrations. Additionally, the PM₁₀ concentrations decreased during the excavation period at all three (3) air monitoring locations. The elevated concentrations were likely due to a smaller local event. The recorded 15-minute average PM₁₀ concentrations did not exceed the 0.150 mg/m³ Primary or Secondary NAAQS.
- On July 20, 2023, monitoring of PM₁₀ did not identify any increased concentrations.
- On July 21, 2023, monitoring of PM₁₀ did not identify any increased concentrations during the period of soil excavation. Following the completion of soil excavation air

monitoring stations Camp 1 and Camp 2 identified slightly elevated PM₁₀ concentrations compared to Camp 3. During this period, borrow material was being hauled onto the sight. As soil excavation was terminated, dust control was no longer required.

Based on the results of the air monitoring conducted during active excavation periods of contaminated soils, it does not appear significant dust, potentially containing dioxins, was generated that would impact areas of the park outside of the excavation area or off-site properties.

Fifteen (15) minute average PM₁₀ concentration data collected by the onsite monitoring stations along with average wind speed and direction is summarized in Graphs 1a-k. Fifteen (15) minute average PM₁₀ concentration data collected by the onsite monitoring stations compared to one (1) hour average PM₁₀ concentration data collected by the selected State of Wisconsin air monitoring network stations is summarized in Graphs 2a-f. The complete 15-minute average data records for data collected by the three (3) site air monitoring stations and weather station are included in Appendix E.

5.2 July 2023 Soil Excavation

A total of 1,827.14 tons of contaminated soil was excavated and transported to the Marathon County Landfill for disposal between July 17, 2023 and July 21, 2023. Below is a summary of the daily load totals and tonnage of contaminated soil removed from the site.

Date	Number of Loads Removed	Tonnage Transported to Landfill
7/17/2023	18	369.81
7/18/2023	29	646.77
7/19/2023	22	468.59
7/20/2023	7	139.71
7/21/2023	9	202.23
Total	85	1,827.14

Based upon the pre-excavation soil sampling results, the excavation was completed to two (2) distinct depths. Impacted soil was excavated from land surface to one (1) foot below land surface over an area measuring 16,816 square feet. Within this excavation footprint, an additional excavation was completed from one (1) foot below land surface to four (4) feet

below land surface to remove the direct contact zone. The deep excavation measured 3,483 square feet and began at the inlet of the culvert located at the top of the hill and continued the length of the culvert to the culvert outlet, down the hill slope to the toe of the hill and extended approximately ninety (90) feet along the base of the hillside to the southeast.

Soil analytical results are summarized in Tables 2i-l. The excavation boundaries and soil sample locations are depicted in Figure 5 and Figure 6. Summarized scale ticket data is included in Appendix F.

5.3 October 2023 Soil Excavation

A total of 1.89 tons of contaminated soil was excavated and transported to the Marathon County Landfill for disposal on October 12, 2023. The excavation was completed to one (1) foot below land surface over an area measuring 56.52 square feet.

Soil analytical results are summarized in Table 2l. The excavation boundaries and soil sample locations are depicted in Figure 5 and Figure 6. Summarized scale ticket data is included in Appendix F.

5.4 Soil and Vadose Zone Quality

Soil analytical results are summarized in Tables 2i-l. Table 3 summarizes individual exceedances by compound for samples collected from within Riverside Park. The excavation boundaries and soil sample locations are depicted in Figure 5 and Figure 6. Residual soil contamination is depicted in Figure 7 and Figure 8. The complete laboratory analytical reports are included in Appendix G.

Unsaturated soil contamination remaining on the subject property following completion of the remedial excavations exceeding the WAC Chapter NR720 Non-Industrial Direct Contact RCLs includes the following:

Compound	WAC Chapter NR720 Non-Industrial Direct Contact RCL Exceedances	Exceedance Count
Dioxins		
2,3,7,8-TCDD	No Exceedances	0
1,2,3,7,8-PeCDD	No Exceedances	0
1,2,3,4,7,8-HxCDD	No Exceedances	0
1,2,3,6,7,8-HxCDD	No Exceedances	0
1,2,3,7,8,9-HxCDD	No Exceedances	0
1,2,3,7,8,9-HpCDD	No Exceedances	0
OCDD	No Exceedances	0
Furans		
2,3,7,8-TCDF	No Exceedances	0
1,2,3,7,8-PeCDF	S29 (2-3 inches bls), S36 (2-3 inches bls)	2
2,3,4,7,8-PeCDF	S27 (48 inches bls), S29 (2-3 inches bls), S36 (2-3 inches bls), S37 (2-3 inches bls), S45 (2-3 inches bls), S46 (2-3 inches bls)	6
1,2,3,4,7,8-HxCDF	No Exceedances	0
1,2,3,6,7,8-HxCDF	No Exceedances	0
2,3,4,6,7,8-HxCDF	S29 (2-3 inches bls)	1
1,2,3,7,8,9-HxCDF	No Exceedances	0
1,2,3,4,6,7,8-HpCDF	No Exceedances	0
1,2,3,4,7,8,9-HpCDF	No Exceedances	0
OCDF	No Exceedances	0
Cumulative Hazard Index	No Exceedances	0
Cumulative Cancer Risk	S36 (2-3 inches bls)	1

Table 2: WAC Chapter NR720 Non-Industrial Direct Contact RCL exceedances by compound and location for samples collected within Riverside Park.

Concentrations of at least one (1) of the seventeen (17) dioxins exceeding the WAC Chapter NR720 Non-Industrial Direct Contact RCL were identified in six (6) soil samples collected from within or along the park boundaries. One (1) soil sample also identified a cumulative cancer risk exceedance for the direct contact pathway.

Soil sample S27 was collected from the based of the excavation forty-eight (48) inches below land surface and identified an exceedance of the WAC Chapter NR720 Non-Industrial Direct Contact RCLs for 2,3,4,7-PeCDF. The direct contact zone is defined as the top four (4) feet of the soil column and as such following backfilling of the soil excavation this soil sample represents residual soil contamination below the direct contact zone.

Soil sample S29 was collected from the excavation sidewall at a depth of 2-3 inches below land surface and identified exceedances of the WAC Chapter NR720 Non-Industrial Direct Contact

RCLs for 1,2,3,7,8-PeCDF, 2,3,4,7-PeCDF, and 2,3,4,6,7,8-HxCDF. This sample was collected from the west-southwest excavation boundary upgradient of the former culvert inlet.

Soil sample S36 was collected from the excavation sidewall at a depth of 2-3 inches below land surface and identified exceedances of the WAC Chapter NR720 Non-Industrial Direct Contact RCLs for 1,2,3,7,8-PeCDF and 2,3,4,7-PeCDF. This sample was collected from along the southwest property boundary between Riverside Park and the property addressed as 122 River Street. A chain-link fence exists between the two (2) properties. REI personnel noted visible yard waste, consisting of grass clippings, along with ash, from an unknown source, located on the municipal park side of the fence. Please note, these waste materials were noted along other shared property boundaries in the excavation area.

Soil sample S37 was collected from the excavation sidewall at a depth of 2-3 inches below land surface and identified an exceedance of the WAC Chapter NR720 Non-Industrial Direct Contact RCLs for 2,3,4,7-PeCDF. This sample was collected from along the southwest property boundary between Riverside Park and the properties addressed as 120 River Street and 122 River Street.

Soil samples S45 and S46 were collected from the sidewall of the additional excavation, completed in October 2023, at a depth of 2-3 inches below land surface. Both soil samples identified an exceedance of the WAC Chapter NR720 Non-Industrial Direct Contact RCLs for 2,3,4,7-PeCDF. These samples were collected from within the Riverside Park property boundaries and additional investigative sampling will be required to delineate the lateral extent of contamination in this area.

6.0 CONCLUSION & RECOMMENDATIONS

Based on the data collected, the two (2) soil excavations have removed a significant portion of soil contamination identified within Riverside Park. Cumulatively, 1,829.03 tons of impacted soil were excavated and transported to the Marathon County Landfill for disposal. The excavations were backfilled with borrow material and topsoil before being seeded and covered with erosion control matting.

Residual soil contamination remains in the area of soil sample S27, however the identified concentrations only exceed the WAC Chapter NR720 Non-Industrial Direct Contact RCLs and the sample was collected from below the direct contact zone. This contamination can be

managed through the implementation of a maintenance plan for the borrow material, topsoil, and vegetation to maintain the clean fill placed after completion of the soil excavation and prevent direct contact with residual soil contamination in this area.

REI is recommending additional site investigation in the area of soil samples S45 and S46. Shallow soil contamination located within the top one (1) foot of the soil column remains in this area. The contamination was initially identified following completion of the July 2023 soil excavation. The October 2023 soil excavation attempted to remove the identified contamination, but sidewall samples identified the contamination remained in a larger area.

REI is requesting the WDNR make a determination regarding the Responsible Party status for soil samples S29, S36, and S37.

The area of soil sample S29 appears to represent an area of historic upgradient stormwater flow into the culvert, previously located inside Riverside Park, which was identified as the source of dioxin contamination within the park.

The area of soil samples S36 and S37 were collected along residential properties, but visible yard waste, consisting of grass clippings, along with ash, from an unknown source, were identified mainly in the area of soil sample S36. These samples may also be representative of a larger issue throughout the community near Riverside Park. Historic soil samples have identified concentrations of dioxins exceeding the WAC Chapter NR720 Non-Industrial Direct Contact RCLs sporadically in the surrounding neighborhood.

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TABLES



Table 1
Applicable WAC Chapter NR720 Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Compound	Non-Industrial Direct Contact	Industrial Direct Contact	Groundwater Protection
Dioxins (ng / kg)			
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	4.82	21.8	30
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	4.93	22.3	No Standard
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	49.3	223	No Standard
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	49.3	223	No Standard
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	49.3	223	No Standard
1,2,3,7,8,9-Heptachlorodibenzo-p-dioxin (HpCDD)	484	2.19E+03	No Standard
Octachlorodibenzo-p-dioxin (OCDD)	1.64E+04	7.44E+04	No Standard
Furans (ng / kg)			
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	48.2	219	No Standard
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	164	744	No Standard
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	16.4	74.4	No Standard
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	48.5	220	No Standard
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	48.5	220	No Standard
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	49.3	223	No Standard
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	49.3	223	No Standard
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	490	2.22E+03	No Standard
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	490	2.22E+03	No Standard
Octachlorodibenzofuran (OCDF)	1.64E+04	7.44E+04	No Standard

Notes:

WAC = Wisconsin Administrative Code

Table 2a
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRR TS# 02-37-584785



Collected By-->						CWE, Inc.											
Date-->						6/13/2006	6/13/2006	6/13/2006	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008
Sample-->						Culv. In. *	Culv. Out*	122E	1003 Emt	130 Riv	141 Riv	120 Riv	117 Riv 1	Fern	117 Riv 2	Oak	Weston
Sample Depth--(Inches)-->						4-6 ²	4-6 ²	4-6 ²	8-10	4-6	6-8	4-6	4-6	4-6	4-6	4-6	4-6
Percent Moisture (%)-->						-	-	-	-	-	-	-	-	-	-	-	-
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL												
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	2.1	<2.0	<0.99	<1	<1.8	<1	<1	<1	<1	<1	<1	<1
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	15	11	<4.9	<5	<5	<5	<5	5.1	<5	5.6	<5	<5
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	48	23	6.3	<5	<5	<5	<5	12	<5	15	<5	<5
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	140	83	17	15	6.0	<5	<5	41	5.6	44	<5	<5
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	60	36	11	6.8	5.5	<5	<5	25	<5	27	<5	<5
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	2,400	1,400	270	260	95	87	120	1,100	170	1,100	30	<5
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	17,000	9,300	1,600	3,000	700	630	830	7,600	1,200	8,200	270	24
Total TCDD	--	ng/kg	--	--	--	10	14	6.7	7.9	<1.8	3.3	5.7	15	3.5	22	<1	<1
Total PeCDD	--	ng/kg	--	--	--	84	71	<4.9	<5	<5	<5	<5	40	<5	48	<5	<5
Total HxCDD	--	ng/kg	--	--	--	780	570	110	85	58	25	34	310	34	360	<5	<5
Total HpCDD	--	ng/kg	--	--	--	4,300	2,800	460	500	190	170	230	2,000	300	2,000	58	<5
Furan Congeners																	
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	6.7	7.3	1.7 ^T	2.0	<3.9	<1	<1	3.5	1.4	3.7	<1	<1
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	13	8.7	<4.9	<5	<5	<5	<5	<5	<5	<5	<5	<5
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	45	80	5.7	76	<5	<5	<5	16	<5	16	<5	<5
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	32	35	7.3	24	<5	<5	<5	37	<5	12	<5	<5
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	34	33	5.4	26	<5	<5	<5	19	5.9	17	<5	<5
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	59	75	9.0	100	<5	<5	<5	29	<5	23	<5	<5
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	14	11	<4.9	6.4	<5	<5	<5	<5	<5	5.0	<5	<5
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	550	480	94	160	43	27	42	350	83	350	19	<5
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	40	31	8.5	13	<5	<5	<5	20	<5	20	<5	<5
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	950	710	130	170	49	36	53	520	170	550	34	<5
Total TCDF	--	ng/kg	--	--	--	110	190	43	140	4.8	18	24	110	16	110	12	5.6
Total PeCDF	--	ng/kg	--	--	--	550	880	69	880	49	28	33	260	12	250	45	<5
Total HxCDF	--	ng/kg	--	--	--	990	1,200	150	1,600	64	40	52	580	60	560	27	<5
Total HpCDF	--	ng/kg	--	--	--	1,400	710	250	540	87	51	78	870	190	850	38	<5
Individual Exceedances (DC)			1	1	--	8	5	0	2	0	0	0	2	0	2	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	1.6315	1.4627	0.1804	0.8558	0.0366	0.0105	0.0151	0.6551	0.0519	0.6298	0.0059	0.0001
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	2.2E-05	1.8E-05	2.4E-06	9.4E-06	5.6E-07	2.8E-07	3.9E-07	8.9E-06	8.7E-07	8.7E-06	1.2E-07	1.5E-09
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	106	88	12	46	2.8	1.3	1.9	44	4.2	42	0.58	0.0072

Notes:

NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet

This site is assessed as Non-Industrial

RCL = Residual Contaminant Level

DC = Direct Contact

ng/kg = Parts Per Trillion (ppt)

< = Concentration Below Laboratory Detection Limit

- = Not Sampled/Collected

-- = No Standard/Not Applicable

TEQ = Toxicity Equivalent Calculations

¹ = TEQ values calculated using the U.S. EPA 2007 values.

² = Depth is approximate. CWE letter notes sample collection from base of A horizon, generally 4 to 6 inches below land surface.

* = Area of sample removed during remedial excavation.

Laboratory Qualifiers and Notes:

^T = Estimated maximum concentration

TCDD: Tetrachlorodibenzo-p-dioxin

PeCDD: Pentachlorodibenzo-p-dioxin

HxCDD: Hexachlorodibenzo-p-dioxin

HPcDD: Heptachlorodibenzo-p-dioxin

OCDD: Octachlorodibenzo-p-dioxin

TCDF: Tetrachlorodibenzofuran

PeCDF: Pentachlorodibenzofuran

HxCDF: Hexachlorodibenzofuran

HPCDF: Heptachlorodibenzofuran

OCDF: Octachlorodibenzofuran

Italic	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
Underlined	= Exceeds NR720 Industrial Not-To-Exceed DC RCL

Table 2b
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						Sand Creek Consulting (SCC)				TRC				SCC		REI	SCC	REI
Date-->						1/9/2018	1/9/2018	1/9/2018	1/9/2018	8/14/2019	8/14/2019	8/14/2019	8/14/2019	11/5/2019	11/5/2019	9/14/2020	11/5/2019	9/14/2020
Sample-->						B-101	B-102	B-103	B-104	N4-1^	N4-2^	N4-3^	N7-1	RP-101*	RP-102	RP-102	RP-103	RP-103
Sample Depth--(Inches)-->						8	8	8	8	0-6	0-6	0-6	0-6	10	8	10-12	10	12-14
Percent Moisture (%)-->						12.0	15.1	16.8	9.9	8.7	12.0	8.9	8.2	26.7	24.6	9.9	22.6	17.7
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL													
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	<0.28	<0.41	<0.23	<0.23	0.80 ^J	0.85 ^J	1.0	0.26 ^J	<2.1 ^D	<0.27	<0.28	<2.5	<0.36
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	2.3 ^J	0.74 ^{I,J,EMPC}	0.48 ^{I,J,EMPC}	0.56 ^J	2.5 ^J	5.2	5.9	0.91 ^J	<1.5 ^D	1.9 ^J	0.44 ^{I,J,EMPC}	<0.55	<0.59
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	3.1 ^J	1.1 ^J	0.55 ^{I,J,EMPC}	0.69 ^J	6.3	7.8 ^{J,DN2}	9.0 ^{J,DN2}	2.2 ^J	<2.9 ^D	4.8 ^J	1.1 ^{I,J,EMPC}	1.4 ^J	<1.2
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	15	4.2 ^J	2.2 ^J	3.6 ^J	24	39 ^{DN2}	44 ^{DN2}	6.1	6.0 ^{J,D}	21	5.8	4.7	<1.4
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	7.6	2.4 ^J	1.4 ^J	1.9 ^J	12	15 ^{J,DN2}	15 ^{J,DN2}	3.4 ^J	3.4 ^{J,D}	8.9	3.0 ^J	2.0 ^{I,J,EMPC}	<1.1
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	290	85	50	81	530	820 ^{DN2}	930 ^{DN2}	150	95 ^D	380	110	77	9.4
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	2,000	570	380	650	5,100	7,300 ^{DN2}	9,200 ^{DN2}	1,300	610 ^{I,J,D}	3,000	900	520	63
Total TCDD	--	ng/kg	--	--	--	10	2.5 ^B	1.7 ^{B,J}	1.1 ^{B,J}	11	18	12	21	<2.1 ^D	2.0	1.1	4.7	0.40 ^J
Total PeCDD	--	ng/kg	--	--	--	23	7.1	2.6	3.3 ^J	22	25	33	50	<1.5 ^D	9.6	2.2 ^J	7.2	<0.59
Total HxCDD	--	ng/kg	--	--	--	120	39	19	24	170	260 ^{DN2}	310 ^{DN2}	7.6	45 ^D	120	40	35	<1.1
Total HpCDD	--	ng/kg	--	--	--	560	160	99	150	1,000	1,600 ^{DN2}	1,900 ^{DN2}	330	180 ^D	710	210	140	9.4
Furan Congeners																		
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	2.9 ^V	0.87 ^J	<0.46	<0.26	2.1 ^V	4.4 ^C	2.4 ^V	0.55 ^{I,J,EMPC}	<2.4 ^D	1.4 ^C	<0.61	1.9 ^V	<0.44
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	2.0 ^J	0.70 ^J	<0.52	0.42 ^J	2.1 ^J	270 ^{P,EMPC}	3.4 ^J	0.69 ^J	<1.5 ^D	1.8 ^J	<0.46	<0.29	<0.73
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	9.8	2.0 ^J	1.1 ^J	1.2 ^J	11	14	61	4.1 ^J	<1.7 ^D	14	5.3 ^{I,J,EMPC}	12	<0.44
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	5.8	2.0 ^{I,J,EMPC}	1.3 ^J	1.5 ^J	8.2	16 ^{J,DN2}	75 ^{P,DN2,EMPC}	3.6 ^{P,J,EMPC}	4.8 ^{J,D}	6.3	<0.73	2.1 ^J	<1.3
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	6.7	1.8 ^J	0.99 ^J	1.2 ^J	8.0	20 ^{J,DN2}	28 ^{P,DN2,EMPC}	2.7 ^J	3.8 ^{J,D}	14 ^{P,EMPC}	11 ^{P,EMPC}	6.2 ^{P,EMPC}	<1.2
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	11 ^{P,EMPC}	2.7 ^J	1.2 ^J	1.6 ^J	6.5	16 ^{J,DN2}	30 ^{DN2}	2.4 ^J	3.9 ^{J,D}	6.2	7.7	5.2	<1.3
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	1.3 ^J	0.36 ^J	<0.12	<0.20	3.0 ^J	6.7 ^{J,DN2}	6.1 ^{J,DN2}	0.8 ^J	2.0 ^{J,D,EMPC}	2.9 ^J	<1.1	1.5 ^{I,J,EMPC}	<1.2
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	120	30	17	26	150	250 ^{DN2}	380 ^{DN2}	46	37 ^D	99	40	45	3.2 ^J
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	4.0 ^J	0.96 ^{I,J,EMPC}	0.81 ^J	1.0 ^J	9.4	14 ^{J,DN2}	20 ^{J,DN2}	2.3 ^J	2.3 ^{I,J,D,EMPC}	6.3	2.4 ^{I,J,EMPC}	2.4 ^J	<1.7
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	190	36	19	42	320	490 ^{DN2}	620 ^{DN2}	71	49 ^{I,J,D,EMPC}	170	56	68	6.2 ^J
Total TCDF	--	ng/kg	--	--	--	69	23	7.9	6.6	58	99	140 ^E	21	<2.4 ^D	41	14	35	<0.44
Total PeCDF	--	ng/kg	--	--	--	120	36	0.38	18	180	480	760	50	130 ^D	260	120	190	2.6 ^J
Total HxCDF	--	ng/kg	--	--	--	150	37	24	27	200	430 ^{DN2}	1,200 ^{DN2}	87	110 ^D	280	120	210	<1.2
Total HpCDF	--	ng/kg	--	--	--	140	46	34	59	380	610 ^{DN2}	1,100 ^{DN2}	100	91 ^D	250	90	110	3.2 ^J
Individual Exceedances (DC)			1	1	--	0	0	0	0	1	3	4	0	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	0.2495	0.0676	0.0352	0.0493	0.3379	0.713	1.0547	0.1096	0.0596	0.2933	0.1112	0.1333	0.0012
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	3.2E-06	8.7E-07	4.6E-07	6.7E-07	4.5E-06	9.0E-06	1.3E-05	1.4E-06	8.0E-07	3.8E-06	1.4E-06	1.5E-06	3.0E-08
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	15	4.2	2.4	3.3	22	44	62	7.0	3.9	19	6.7	7.5	0.15

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
-- = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
^ = Excavated during redevelopment
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HpCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HpCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:
^J = Estimated Value
EMPC = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^{DN2} = Results obtained from diluted sample
^E = Exceeds calibration Range
^B = Less than 10x higher than method blank level
Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Industrial Not-To-Exceed DC RCL

Table 2c
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Railroad Corridor
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						Arcadis						
Date-->						9/26/2020	9/26/2020	9/26/2020	9/26/2020	9/26/2020	9/30/2020	9/30/2020
Sample-->						SB-01 (0-4)	SB-01 (28-31)	Dup-01	SB-03 (0-4)	SB-03 (24-27.5)	SB-05 (0-4)	SB-05 (29-31.5)
Sample Depth--(Inches)-->						0-4	28-31	28-31	0-4	24-27.5	0-4	29-31.5
Percent Moisture (%)-->												
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL							
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	<0.21	<0.15	<0.15	<0.18	<0.13	0.35 ^{J, EMPC}	<0.038
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	<0.15	<0.0097	<0.11	<0.14	<0.10	0.99 ^{J, EMPC}	<0.047
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	0.85 ^{J, B}	0.27 ^{J, B}	0.29 ^{J, B, EMPC}	0.46 ^{J, B}	<0.033	2.7 ^J	0.20 ^{J, EMPC}
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	1.4 ^J	<0.034	0.18 ^{J, EMPC}	1.9 ^{J, B}	<0.042	9.3	<0.048
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	0.91 ^{J, B}	<0.028	<0.030	0.87 ^{J, B}	0.082 ^{J, B}	5.2 ^J	<0.044
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	21 ^B	0.46 ^{J, B}	0.95 ^{J, B, EMPC}	67 ^B	3.5 ^{J, B}	230 ^B	0.11 ^{J, B}
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	130 ^B	2.7 ^{J, B}	6.7 ^{J, B, EMPC}	850 ^B	41 ^B	1,800 ^B	1.3 ^{J, B}
Total TCDD	--	ng/kg	--	--	--	2.2	<0.15	<0.15	<0.18	<0.13	13 ^{EMPC}	<0.038
Total PeCDD	--	ng/kg	--	--	--	<0.26	<0.0097	<0.11	<0.14	<0.10	21 ^{EMPC}	<0.047
Total HxCDD	--	ng/kg	--	--	--	7.2 ^B	0.27 ^{J, B}	0.46 ^{J, B, EMPC}	12 ^{B, EMPC}	0.43 ^{J, B, EMPC}	68	0.20 ^{J, EMPC}
Total HpCDD	--	ng/kg	--	--	--	40 ^B	0.98 ^{J, B}	2.1 ^{J, B, EMPC}	360 ^B	21 ^B	560 ^B	0.28 ^{J, B, EMPC}
Furan Congeners												
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	0.6 ^J	<0.071	<0.084	<0.11	<0.063	0.78 ^{J, B}	0.066 ^{J, B}
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	<0.18	<0.049	<0.060	<0.094	<0.050	<0.58	0.072 ^{J, EMPC}
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	0.52 ^{J, EMPC}	<0.053	<0.071	<0.10	<0.059	1.6 ^J	<0.038
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	0.85 ^J	<0.041	0.2 ^J	0.32 ^{J, EMPC}	<0.055	4.4 ^J	<0.070
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	0.89 ^J	<0.036	0.23 ^{J, EMPC}	0.33 ^J	<0.049	3.7 ^J	<0.062
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	0.82 ^{J, EMPC}	<0.030	0.20 ^J	0.33 ^J	<0.041	3.0 ^J	<0.037
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	0.44 ^J	<0.028	0.29 ^J	<0.13	<0.042	<0.41	0.049 ^J
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	6.5 ^B	0.18 ^{J, B, EMPC}	0.43 ^{J, B}	8.2 ^B	0.39 ^{J, B, EMPC}	69 ^B	0.18 ^{J, B, EMPC}
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	0.71 ^{J, B, EMPC}	<0.022	0.21 ^{J, B, EMPC}	0.66 ^{J, B}	<0.030	3.1 ^J	<0.035
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	13 ^B	0.79 ^{J, B}	1.1 ^{J, B}	40 ^B	1.8 ^{J, B, EMPC}	140 ^B	0.52 ^{J, B, EMPC}
Total TCDF	--	ng/kg	--	--	--	5.3 ^{EMPC}	<0.071	<0.084	<0.11	<0.068	23 ^{EMPC}	0.11 ^{J, B, EMPC}
Total PeCDF	--	ng/kg	--	--	--	17 ^{EMPC}	<0.053	<0.21	1.0 ^{J, EMPC}	<0.17	69	0.16 ^{J, EMPC}
Total HxCDF	--	ng/kg	--	--	--	16 ^{EMPC}	<0.041	0.91 ^{J, EMPC}	7.9 ^{EMPC}	0.21 ^{J, EMPC}	96	<0.051
Total HpCDF	--	ng/kg	--	--	--	17 ^{B, EMPC}	0.32 ^{J, B, EMPC}	0.98 ^{J, B, EMPC}	31 ^B	1.3 ^{J, B, EMPC}	180 ^B	0.18 ^{J, B, EMPC}
Individual Exceedances (DC)			1	1	--	-	-	-	-	-	-	-
Cumulative Hazard Index (DC)			1.0	1.0	--	-	-	-	-	-	-	-
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	-	-	-	-	-	-	-
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	1.2	0.034	0.16	1.4	0.060	8.3	0.037

Notes:

NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
-- = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HPCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:

^J = Estimated Value
^{EMPC} = Estimated Maximum Possible Concentration
^B = Compound was found in the blank and sample.
² = Lab report containd two (2) separate identical results
³ = Lab report containd two (2) separate results with one result = 0.0050 mg/kg and the seond = 0.0052 mg/kg.

Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

Table 2d
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Railroad Corridor
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						REI Engineering, Inc.											
Date-->						4/23/2020	9/14/2020	4/23/2020	9/14/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	5/12/2021
Sample-->						R1*	R1*	R2	R2	R3	R4	R5	R6	R7	R8^	R9^	R10^
Sample Depth--(Inches)-->						3-5	10-12	4-6	10-12	3-6	3-5	6-9	6-8	11-13	2-4	4-5	5-6
Percent Moisture (%)-->						28.6	12.9	22.4	15.4	16.7	18.8	13.3	8.6	8.1	11.3	3.9	8.3
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL												
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	1.1 ^J	<0.67	0.55 ^J	<0.39	<0.24	<0.18	<0.34	<0.52	<0.20	<0.17	<0.15	<0.22
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	5.2 ^J	1.9 ^J	2.8 ^J	1.0 ^{I,J} EMPC	0.55 ^{I,J} EMPC	1.2 ^J	0.84 ^J	0.73 ^J	<0.10	<0.094	<0.097	0.24 ^{I,J} EMPC
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	12	5.1 ^J	5.1 ^J	3.3 ^J	0.39 ^{I,J} EMPC	1.7 ^J	0.89 ^{I,J} EMPC	0.59 ^{I,J} EMPC	<0.25	<0.22	<0.19	0.61 ^J
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	39	16	22	11	1.6 ^{I,J} EMPC	6.0	3.5 ^J	2.6 ^J	<0.25	<0.17	0.29 ^J	1.5 ^J
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	24	8.5	10	5.2 ^{I,J} EMPC	1.2 ^{I,J} EMPC	3.6 ^J	1.9 ^J	1.2 ^J	<0.26	0.16 ^{I,J} EMPC	<0.17	1.2 ^J
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	960	310	400	200	37	0.64 ^J	78	57	5.8	1.3 ^J	5.3	33
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	7,400	2,600	3,000	1,400	270	850	660	510	44	49	35	280
Total TCDD	--	ng/kg	--	--	--	22	7.5	9.3	4.1	1.2	6.3	<0.34	<0.52	<0.20	<0.17	<0.15	<0.22
Total PeCDD	--	ng/kg	--	--	--	58	20	29	5.9	2.4 ^J	11	<4.3	3.1 ^J	<0.10	<0.094	0.16 ^J	0.72 ^J
Total HxCDD	--	ng/kg	--	--	--	350	140	160	60	16	51	28	15.0	2.4 ^J	1.3 ^J	2.7 ^J	14
Total HpCDD	--	ng/kg	--	--	--	1,900	610	760	410	77	230	160	130	11	12	10	63
Furan Congeners																	
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	4.0 ^V	1.8 ^C	2.5 ^V	1.5 ^V	0.66 ^J	0.80 ^{I,J} EMPC	<0.34	<0.48	<0.17	<0.26	<0.18	0.18 ^{I,J} EMPC
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	4.7 ^J	1.9 ^J	3.2 ^J	<1.0	0.49 ^J	0.94 ^J	0.57 ^J	<0.022	<0.14	<0.047	<0.16	0.17 ^{I,J} EMPC
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	12	5.0 ^J	15	4.8 ^J	1.3 ^J	2.4 ^J	5.7	9.2	0.14 ^{I,J} EMPC	0.24 ^J	0.56 ^J	0.81 ^J
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	19	9.8 ^P EMPC	24 ^P EMPC	4.1 ^J	1.2 ^J	2.8 ^J	1.2 ^J	1.7 ^J	<0.28	<0.28	0.20 ^J	0.52 ^J
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	22	6.7	7.9	3.8 ^J	1.4 ^{I,J} EMPC	4.8 ^P EMPC	2.0 ^J	1.8 ^J	<0.18	0.85 ^J	0.90 ^{P,J} EMPC	1.2 ^{P,J} EMPC
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	23	7.5	15	6.8	1.5 ^J	3.6 ^J	4.8	1.9 ^J	<0.27	0.28 ^J	0.43 ^J	0.93 ^J
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	5.5 ^J	1.7 ^{I,J} EMPC	3.1 ^J	<0.90	<0.46	0.64 ^J	0.67 ^{I,J} EMPC	<0.17	<0.23	<0.20	<0.14	0.22 ^{I,J} EMPC
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	340	120	140	65	14	40	28	17	2.2 ^J	1.8 ^J	1.9 ^J	8.6
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	17	6.8	7.6	2.7 ^{I,J} EMPC	<0.50	2.0 ^J	1.3 ^J	1.2 ^J	<0.22	<0.15	<0.14	0.46 ^J
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	450	170	180	110	16	56	39	32	3.0 ^J	2.5 ^{I,J} EMPC	2.4 ^J	19
Total TCDF	--	ng/kg	--	--	--	110	50	72	15	5.8	22	9.6	7.8	0.31 ^J	0.49 ^J	2.4	3.0
Total PeCDF	--	ng/kg	--	--	--	230	120	240	97	17	41	81	86	1.9 ^J	2.2 ^J	9.2	13
Total HxCDF	--	ng/kg	--	--	--	520	210	290	130	22	60	86	39	3.1 ^J	3.7 ^J	6.9	14
Total HpCDF	--	ng/kg	--	--	--	750	230	310	150	30	87	74	44	2.4 ^J	1.8 ^J	1.9 ^J	20
Individual Exceedances (DC)			1	1	--	2	0	0	0	0	0	0	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	0.6165	0.2248	0.3381	0.1425	0.0392	0.0986	0.0905	0.0951	0.0016	0.0046	0.0075	0.026
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	8.3E-06	2.9E-06	4.3E-06	1.9E-06	4.8E-07	1.0E-06	1.1E-06	1.1E-06	2.8E-08	5.1E-08	8.9E-08	3.3E-07
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	40	14	23	9.1	2.3	5.0	5.3	5.4	0.14	0.25	0.43	1.6

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
- - = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
^ = Excavated during redevelopment
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HPCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:
^J = Estimated Value
EMPC = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

Italic	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
Underlined	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

Table 2e
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						REI Engineering, Inc.									
Date-->						4/23/2020	4/23/2020	5/12/2021	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020
Sample-->						P1*	P1*	P1*	P2	P2	P3	P3	P4	P4	P5
Sample Depth--(Inches)-->						2-3	7-9	22-24	2-3	10-12	2-3	12-14	2-3	9-11	2-3
Percent Moisture (%)-->						45.0	24.7	12.7	20.7	19.5	19.0	12.0	17.8	12.9	19.9
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL										
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	0.35 ^J	0.71 ^J	<3.9 ^D	<0.30	<0.13	<0.24	<0.74	<0.96	<0.54	<0.76
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	3.0 ^{I,J,EMPC}	6.1	3.0 ^{J,D}	0.43 ^J	<0.15	0.25 ^J	0.42 ^{I,J,EMPC}	<0.56	<0.53	0.74 ^{I,J,EMPC}
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	6.0 ^J	14	10 ^{J,D}	0.58 ^{I,J,EMPC}	<0.21	0.61 ^J	0.77 ^{I,J,EMPC}	1.8 ^{I,J,EMPC}	0.57 ^{I,J,EMPC}	1.8 ^J
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	23	57	50 ^D	2.6 ^J	0.4 ^J	1.4 ^J	1.4 ^J	3.9 ^J	1.9 ^J	4.4 ^J
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	13	30	26 ^D	1.6 ^{I,J,EMPC}	0.35 ^{I,J,EMPC}	0.67 ^{I,J,EMPC}	0.76 ^J	3.0 ^J	0.82 ^{I,J,EMPC}	2.6 ^{I,J,EMPC}
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	520	1,200	900 ^D	55	4.8 ^J	27	28	110	39	110
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	4,000	9,600	6,600 ^D	370	67	170	220	890	310	840
Total TCDD	--	ng/kg	--	--	--	4.0	9.6	<3.9 ^D	1.7	0.82 ^J	<0.24	<0.74	<0.96	<0.54	2.3
Total PeCDD	--	ng/kg	--	--	--	18	53	26 ^D	5.3 ^J	<0.15	1.8 ^J	0.82	3.6 ^J	<0.43	6.6
Total HxCDD	--	ng/kg	--	--	--	200	430	330 ^D	22	4.8 ^J	9.1	7.2	37	12	43
Total HpCDD	--	ng/kg	--	--	--	1,100	2,500	1,800 ^D	110	19	52	54	200	73	200
Furan Congeners															
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	1.6 ^J	2.6 ^V	<4.6 ^D	0.47 ^J	<0.21	0.26 ^{I,J,EMPC}	<0.64	<0.74	<0.77	<0.96
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	3.1 ^J	6.1	<1.1 ^D	0.40 ^{I,J,EMPC}	<0.26	<0.48	<0.61	<1.2	<0.59	<1.1
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	26	34	22 ^{J,D}	1.1 ^J	<0.22	0.61 ^J	2.2 ^J	2.3 ^{I,J,EMPC}	0.89 ^J	1.8 ^{I,J,EMPC}
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	9.3	15	16 ^{J,D}	1.4 ^J	<0.30	0.83 ^J	0.73 ^J	2.3 ^{I,J,EMPC}	1.6 ^{P,J,EMPC}	2.4 ^{I,J,EMPC}
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	10	21	16 ^{J,D}	2.1 ^{P,J,EMPC}	0.55 ^J	1.3 ^{I,J,EMPC}	0.81 ^{I,J,EMPC}	2.4 ^J	0.86 ^J	1.7 ^J
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	25	39	14 ^{J,D}	1.7 ^J	0.22 ^{I,J,EMPC}	0.67 ^{I,J,EMPC}	1.6 ^{I,J,EMPC}	3.0 ^J	0.65 ^J	2.7 ^J
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	4.5 ^J	6.9	<1.5 ^D	<0.56	<0.24	<0.33	<0.33	<0.16	<0.14	<0.40
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	140	340	250 ^D	16	3.9 ^J	11	8.1	41	16	54 ^{P,EMPC}
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	9.7	21	14 ^{J,D}	0.78 ^{I,J,EMPC}	<0.60	<0.87	<0.51	1.4 ^J	<0.27	<0.72
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	240	540	400 ^D	26	4.1 ^{I,J,EMPC}	12	13	55	20	59
Total TCDF	--	ng/kg	--	--	--	81	110	74 ^D	6.2	0.48	2.6	1.8	13	1.6	8.9
Total PeCDF	--	ng/kg	--	--	--	440	610	280 ^D	17	2.9	9.7	25	31	12	26
Total HxCDF	--	ng/kg	--	--	--	440	830	550 ^D	25	5.7	15	24	40	17	45
Total HpCDF	--	ng/kg	--	--	--	380	840	620 ^D	35	7.8	20	18	83	31	46
Individual Exceedances (DC)			1	1	--	2	4	3	0	0	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	0.4623	0.8467	0.5517	0.0489	0.0042	0.0233	0.0364	0.061	0.0234	0.0709
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	5.8E-06	1.1E-05	7.5E-06	6.1E-07	5.3E-08	2.9E-07	4.3E-07	8.5E-07	3.2E-07	9.5E-07
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	28	54	37	2.7	0.26	1.4	2.1	4.1	1.6	4.7

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
- - = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HPCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:
^J = Estimated Value
EMPC = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

Table 2f
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						REI Engineering, Inc.									
Date-->						9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Sample-->						P6*	P6	P7*	P7	P8*	P8*	P9*	P9	P10*	P10*
Sample Depth--(Inches)-->						2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12
Percent Moisture (%)-->						17.2	6.4	15.9	9.5	11.9	17.3	17.4	9.7	15.9	14.1
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL										
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	0.32 ^{1,1} _{EMPC}	<0.27	0.97 ¹	<0.27	0.69 ¹	0.61 ¹	<0.26	0.27 ¹	0.41 ¹	<0.38
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	3.2 ¹	0.33 ¹	3.8 ¹	0.62 ¹	6.4	6.6	3.3 ¹	0.68 ¹	5.9	2.7 ¹
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	7.9	<0.96	9.4	1.5 ¹	17	16	6.7	2.1 ¹	12	5.1 ¹
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	24	2.0 ¹	35	5.7	69	51	28	6.5	48	15
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	13	1.4 ¹	19	3.2 ¹	29	25	12	3.8 ¹	22	8.5
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	530	36	1,200	190	1,200	1,000	550	150	900	290
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	4,600	290	11,000 ^E	1,700	10,000 ^E	8,100	4,400	1,100	7,600	2,300
Total TCDD	--	ng/kg	--	--	--	8.1	0.61 ¹	20	5.2	18	9.5	16	3.5	10	3.6
Total PeCDD	--	ng/kg	--	--	--	24	0.33 ¹	45	8.9	49	50	44	6.6	44	22
Total HxCDD	--	ng/kg	--	--	--	180	1.6	330	52	480	390	250	5.7	350	130
Total HpCDD	--	ng/kg	--	--	--	1,000	66	2,400	360	2,300	1,900	1,100	280	1,800	560
Furan Congeners															
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	1.9 ^V	<0.44	3.7 ^C	0.86 ^{1,1} _{EMPC}	4.1 ^C	5.7 ^C	3.3 ^V	0.76 ¹	4.3 ^C	2.1 ^C
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	0.32 ^{1,1} _{EMPC}	<0.72	3.3 ¹	<1.1	4.7 ¹	5.9	3.4 ¹	0.88 ¹	4.5 ¹	2.7 ¹
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	17	1.9 ¹	8.9	2.0 ¹	32	66	8.5	2.3 ^{1,1} _{EMPC}	53	54
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	11	<0.86	11	2.3 ^{1,1} _{EMPC}	20	17	13	3.5 ¹	15	12
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	13	1.6 ^{P,1} _{EMPC}	8.7	2.5 ^{1,1} _{EMPC}	24	36	12	4.0 ^{P,1} _{EMPC}	24	37
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	10	<1.4	9.0	3.1 ¹	20	23	9.5	3.5 ¹	31	31
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	4.6 ¹	<0.69	3.7 ¹	0.67 ¹	8.3 ¹ _{EMPC}	10	4.0 ¹	0.67 ^{1,1} _{EMPC}	8.4	6.8
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	180	16	230	42	310	330	230	59	300	140
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	12	<1.1	12	2.8 ¹	20	20	12	2.4 ¹	17	8.3
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	400	26	640	100	550	530	390	95	460	170
Total TCDF	--	ng/kg	--	--	--	56	4.5	77	16	82	150	86	18	140	110
Total PeCDF	--	ng/kg	--	--	--	250	32	150	30	500	990	150	47	810	930
Total HxCDF	--	ng/kg	--	--	--	450	36	300	52	830	1,300	350	78	1,000	950
Total HpCDF	--	ng/kg	--	--	--	560	40	570	96	790	840	480	120	730	360
Individual Exceedances (DC)			1	1	--	2	0	1	0	4	4	1	0	3	1
Cumulative Hazard Index (DC)			1.0	1.0	--	0.4105	0.0329	0.4747	0.0847	0.8475	1.0253	0.3827	0.1023	0.882	0.6476
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	5.3E-06	4.1E-07	7.2E-06	1.2E-06	1.1E-05	1.3E-05	5.0E-06	1.4E-06	1.1E-05	7.3E-06
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	26	2.0	35	6.1	54	62	24	6.6	53	36

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
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TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
* = Area of sample removed during remedial excavation.

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PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HpCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
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HxCDF: Hexachlorodibenzofuran
HpCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:
¹ = Estimated Value
_{EMPC} = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
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Table 2g
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						REI Engineering, Inc.											
Date-->						9/14/2020	9/14/2020	5/12/2021	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Sample-->						P11*	P11*	P11*	P12	P12	P13*	P13	P14	P14	P15	P15	P16
Sample Depth--(Inches)-->						2-3	10-12	22-24	2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12	2-3
Percent Moisture (%)-->						18.7	17.7	9.3	20.5	14.3	20.7	13.8	16.8	3.7	12.1	6.9	15.3
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL												
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	1.5	0.79 ^{I,J} _{EMPC}	<0.17	<0.51 ^J	<0.39	<0.56 ^J	<0.44	<0.70 ^J	<0.27	<0.39	<0.36 ^J	<0.77 ^J
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	11	7.1	1.3 ^J	1.9 ^J	1.1 ^J	1.5 ^J	0.97 ^J	1.5 ^J	<0.30	1.7 ^J	2.5 ^J	2.7 ^J
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	24	15	1.5 ^J	3.5 ^J	1.9 ^{I,J} _{EMPC}	3.3 ^{I,J} _{EMPC}	2.1 ^{I,J} _{EMPC}	2.9 ^J	0.75 ^J	5.7	4.0 ^{I,J} _{EMPC}	5.0 ^J
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	100	52	8.7	13	7.4	22	13	13	3.7 ^J	16	18	16
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	45	25	3.8 ^J	6.7	4.8 ^J	10	6.9	5.9	1.6 ^J	9.7	9.4	10
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	1,900	880	150	220	120	830	370	220	72	350	370	300
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	18,000 ^E	7,500	1,100	1,700	920	3,900	2,100	1,800	530	2,500	3,100	2,400
Total TCDD	--	ng/kg	--	--	--	21	19	0.57 ^J	8.0	4.2	5.3	4.5	6.9	1.7	1.4	4.8	4.4
Total PeCDD	--	ng/kg	--	--	--	86	60	7.6	29	170	12	12	19	4.9	14	14	15
Total HxCDD	--	ng/kg	--	--	--	700	380	52	120	64	220	120	100	30	140	140	130
Total HpCDD	--	ng/kg	--	--	--	3,700	1,700	270	410	240	1,400	660	420	130	690	760	570
Furan Congeners																	
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	9.1 ^C	8.7 ^C	0.83 ^J	2.2 ^C	1.2 ^C	0.91 ^{I,J} _{EMPC}	1.3 ^V	1.7 ^C	<0.30	2.2 ^C	1.9 ^V	1.1 ^{I,J} _{EMPC}
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	11	7.4	0.88 ^J	2.0 ^{I,J} _{EMPC}	<1.8	<1.6	<1.4	<1.3	<1.3	2.1 ^J	1.9 ^{I,J} _{EMPC}	<0.74
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	110	130	15	14	10	10	8.1	4.1 ^J	1.7 ^J	5.4	6.0	2.5 ^{I,J} _{EMPC}
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	22	17	3.1 ^J	6.6	2.6 ^{I,J} _{EMPC}	4.9 ^J	3.7 ^J	4.9 ^J	2.1 ^J	9.0	9.2	8.3
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	46	32	5.3	20 ^{P,EMPC}	13 ^{P,EMPC}	5.7 ^J	5.8	7.7 ^{P,EMPC}	2.3 ^J	9.3	6.9 ^{I,EMPC}	7.9
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	56	58	16	7.6	4.1 ^J	7.7	5.9	6.7	0.96 ^{I,J} _{EMPC}	5.5	7.3	5.3 ^J
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	18	16	2.0 ^J	2.5 ^J	<1.2	<1.5	0.97 ^{I,J} _{EMPC}	<1.4	<0.36	2.2 ^J	2.4 ^J	2.3 ^{I,J} _{EMPC}
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	540	340	47	95	50	110	89	100	30	120	140	110
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	38	22	3.3 ^J	5.5 ^J	2.2 ^{I,J} _{EMPC}	5.5 ^{I,J} _{EMPC}	5.5 ^J	5.5 ^J	0.79 ^{I,J} _{EMPC}	6.5	8.4	5.7
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	840	530	65	130	65	210	140	170	49	230	210	170
Total TCDF	--	ng/kg	--	--	--	280	290	33	72	39	34	38	32	7.7	26	27	25
Total PeCDF	--	ng/kg	--	--	--	1,400	1,500	220	230	160	150	150	87	28	100	92	74
Total HxCDF	--	ng/kg	--	--	--	2,100	2,000	130	260	170	230	200	130	42	220	210	180
Total HpCDF	--	ng/kg	--	--	--	1,300	890	130	200	100	280	210	220	66	300	310	230
Individual Exceedances (DC)			1	1	--	7	5	0	0	0	1	0	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	1.7746	1.4579	0.2136	0.2754	0.1665	0.253	0.181	0.196	0.0428	0.2285	0.2552	0.2148
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	2.2E-05	1.7E-05	2.5E-06	3.3E-06	2.0E-06	4.2E-06	2.6E-06	2.5E-06	5.8E-07	3.1E-06	3.4E-06	2.3E-06
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	108	84	12	16	9.6	21	13	11	2.9	15	16	14

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
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TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HpCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HpCDF: Heptachlorodibenzofuran
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Laboratory Qualifiers and Notes:
^J = Estimated Value
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Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
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Table 2h
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						REI Engineering, Inc.							
Date-->						5/12/2021	5/12/2021	5/12/2021	5/12/2021	5/12/2021	5/12/2021	5/12/2021	5/11/2021
Sample-->						P17*	P17*	P18*	P18	P19	P19	P20	P20
Sample Depth--(Inches)-->						2-3	10-12	2-3	14-16	2-3	14-16	2-3	12-14
Percent Moisture (%)-->						26.4	16.2	18.6	4.2	25.1	15.9	14.3	3.9
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL								
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	0.59 ^{J,I} _{EMPC}	1.2	<2.7 ^D	<0.37	<0.79	<0.32	<3.1 ^D	<0.32
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	4.7 ^J	7.6	<1.4 ^D	<0.21	1.1 ^J	0.63 ^J	2.5 ^{J,D}	<0.20
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	12	18	5.1 ^{J,D}	<0.46	2.4 ^J	0.87 ^J	3.3 ^{J,D}	<0.37
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	46	86	20 ^{J,D}	<0.44	9.4	3.4 ^J	11 ^{J,D}	1.0 ^{J,I} _{EMPC}
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	22	38	9.6 ^{J,D}	<0.41	3.9 ^{J,I} _{EMPC}	1.8 ^{J,I} _{EMPC}	5.1 ^{J,D}	0.4 ^{J,I} _{EMPC}
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	900	1,400	360 ^D	3.9 ^J	180	72	240 ^D	17
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	7,000 ^E	11,000 ^E	2,700	29	1,400	540	1,900 ^D	140
Total TCDD	--	ng/kg	--	--	--	7.9	8.7	<2.7 ^D	<0.37	5.6	4.0	<3.1 ^D	<0.32
Total PeCDD	--	ng/kg	--	--	--	40	51	2.4 ^{J,D}	<0.21	11	6.8	7.7 ^{J,D}	<0.20
Total HxCDD	--	ng/kg	--	--	--	300	480	150 ^D	1.4 ^J	72	28	84 ^D	6.2
Total HpCDD	--	ng/kg	--	--	--	1,700	2,700	710 ^D	3.9 ^J	330	130	450 ^D	33
Furan Congeners													
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	2.1 ^V	4.2 ^C	<2.5 ^D	<0.69	1.6 ^V	<0.56	<4.0 ^D	<0.50
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	3.3 ^J	5.2	<2.5 ^D	<0.35	1.2 ^J	0.91 ^J	<2.9 ^D	<0.21
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	13	30	17 ^{J,D}	<0.38	3.4 ^J	1.9 ^J	6.7 ^{J,D}	0.43 ^J
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	12	22	8.8 ^{J,D}	<0.42	4.2 ^J	2.1 ^J	6.8 ^{J,D}	0.6 ^J
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	13	24	11 ^{J,D}	<0.35	3.9 ^J	1.9 ^J	6.9 ^{J,D}	0.38 ^{J,I} _{EMPC}
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	21	44	19 ^{J,D}	<0.41	3.2 ^J	1.6 ^J	6.7 ^{J,D}	0.53 ^{J,I} _{EMPC}
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	4.9	8.1	<4.6 ^D	<0.33	1.8 ^{J,I} _{EMPC}	0.89 ^{J,I} _{EMPC}	<1.9 ^D	<0.39
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	210	340	130 ^D	1.5 ^J	62	30	100 ^D	6.5
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	13	21	8.7 ^{J,D}	<0.57	3.3 ^{J,I} _{EMPC}	1.4 ^J	5.9 ^{J,I,D} _{EMPC}	<0.51
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	380	590	170 ^D	2.1 ^J	120	58	170 ^D	11
Total TCDF	--	ng/kg	--	--	--	59	100	43 ^D	<0.69	20	11	<4.0 ^D	0.59 ^{J,B}
Total PeCDF	--	ng/kg	--	--	--	200	360	250 ^D	4.6 ^J	54	23	84 ^D	5.4
Total HxCDF	--	ng/kg	--	--	--	270	660	210 ^D	2.0 ^J	100	28	160 ^D	10
Total HpCDF	--	ng/kg	--	--	--	540	880	290 ^D	3.3 ^J	150	130	240 ^D	15
Individual Exceedances (DC)			1	1	--	1	4	1	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	0.5416	0.9879	0.2926	0.0015	0.1259	0.0537	0.2024	0.0106
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	7.4E-06	1.3E-05	3.7E-06	2.3E-08	1.7E-06	7.0E-07	2.6E-06	1.4E-07
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	36	63	18	0.063	8.1	3.7	13	0.70

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
-- = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HPCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:
^J = Estimated Value
_{EMPC} = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

Table 2i
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						REI Engineering, Inc.											
Date-->						9/13/2022	9/13/2022	9/13/2022	9/13/2022	9/13/2022	9/13/2022	9/13/2022	9/13/2022	9/13/2022	9/13/2022	9/13/2022	9/13/2022
Sample-->						S1	S2	S3	S4	S5	S6*	S7	S8	S9	S10	S11	S12
Sample Depth--(Inches)-->						2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
Percent Moisture (%)-->						29.3	12.2	15.0	29.6	19.4	24.3	19.5	20.6	21.3	21.3	22.7	6.8
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL												
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	0.42 ^J	0.55 ^J	0.83 ^{I,J}	<0.39	<0.28	<0.29	<0.17	<0.21	<0.23	<0.12	0.29 ^{J,I,EMPC}	0.27 ^J
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	1.9 ^J	2.6 ^J	1.5 ^J	1.2 ^J	1.2 ^J	2.3 ^J	0.35 ^{J,I,EMPC}	1.0 ^J	1.1 ^J	0.45 ^{J,I,EMPC}	2.0 ^J	2.0 ^J
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	1.7 ^J	4.3 ^J	2.6 ^J	2.4 ^J	1.7 ^J	4.8 ^J	1.00 ^J	2.3 ^J	2.0 ^J	0.97 ^J	3.6 ^J	4.4 ^J
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	2.3 ^J	13.0	8.2	9.9	6.3	20	2.3 ^J	7.6	7.3	2.5 ^J	13	13
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	1.8 ^J	8.8	4.4 ^J	4.7 ^J	3.5 ^J	9.3	1.5 ^J	4.5 ^J	3.9 ^J	1.7 ^J	6.7	7.3
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	28	310	180	220	120	530	46	160	150	57	280	320
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	180	2,700	1,500	1,700	840	3,300	370	1,300	1,200	450	2,200	2,700
Total TCDD	--	ng/kg	--	--	--	14	12	20	5.8	5.0	5.8	1.2 ^J	25	2.3	<0.12	8.4	11
Total PeCDD	--	ng/kg	--	--	--	15	20	9.9	12	8.7	15	1.1 ^J	72	7.6	4.4 ^J	21	23
Total HxCDD	--	ng/kg	--	--	--	29	120	70	79	52	160	24.0	63	52	23	110	110
Total HpCDD	--	ng/kg	--	--	--	53	620	360	440	240	980	100	320	290	120	550	610
Furan Congeners																	
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	7.2 ^V	1.3 ^C	1.1 ^J	1.4 ^V	1.1 ^J	2.7 ^C	<0.35	1.1 ^J	0.66 ^{J,I,EMPC}	0.59 ^J	2.3 ^C	2.1 ^C
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	6.3 ^J	1.8 ^J	0.98 ^J	1.2 ^J	1.1 ^J	2.2 ^J	<0.12	1.0 ^J	0.70 ^J	0.37 ^J	1.9 ^J	1.9 ^J
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	11	9.2	6.3	3.8 ^J	6.8	27	1.4 ^J	4.4 ^J	5.8 ^J	1.5 ^{J,I,EMPC}	14	7.0
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	6.9	6.6	3.7 ^J	4.4 ^J	3.4 ^J	7.7	1.1 ^J	3.3 ^J	3.4 ^J	1.5 ^J	6.2 ^J	6.6
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	6.9	7.2	4.0 ^J	4.9 ^J	4.1 ^J	14	1.2 ^{J,I,EMPC}	3.5 ^J	3.4 ^{J,I,EMPC}	1.4 ^{J,I,EMPC}	10	8.0
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	8.1	7.2	3.8 ^J	4.2 ^{J,P,EMPC}	3.3 ^J	11	1.9 ^J	6.5	7.3	2.7 ^J	10 ^{P,EMPC}	7.9 ^{P,EMPC}
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	1.8 ^{J,I,EMPC}	2.0 ^{J,I,EMPC}	1.4 ^{J,I,EMPC}	1.2 ^{J,I,EMPC}	1.3 ^{J,I,EMPC}	3.2 ^J	0.46 ^J	0.98 ^{J,I,EMPC}	1.3 ^J	0.59 ^J	2.5 ^J	2.2 ^J
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	23	110	62	93	50	140	16	51	44	21	130	130
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	1.6 ^J	5.4 ^J	2.8 ^J	4.2 ^J	2.6 ^J	6.9	0.84 ^J	2.8 ^J	2.5 ^J	0.98 ^{J,I,EMPC}	5.6 ^{J,I,EMPC}	6.7
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	14	150	9.3	150	72	180	21	71	61	29	190	240
Total TCDF	--	ng/kg	--	--	--	130	43	37	30	49	76	3.6	25	21	9.3	59	52
Total PeCDF	--	ng/kg	--	--	--	120	100	84	61	75	300	22	72	97	23	210	110
Total HxCDF	--	ng/kg	--	--	--	71	240	140	99	120	330	22	73	77	30	230	160
Total HpCDF	--	ng/kg	--	--	--	27	230	130	190	100	150	17	54	47	21	130	140
Individual Exceedances (DC)			1	1	--	0	0	0	0	0	2	0	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	0.192	0.2591	0.1644	0.1442	0.1298	0.4039	0.0398	0.1251	0.1319	0.0491	0.279	0.2359
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	2.1E-06	3.3E-06	2.1E-06	1.9E-06	1.6E-06	5.2E-06	5.0E-07	1.6E-06	1.7E-06	6.2E-07	3.4E-06	3.1E-06
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	10	16	10	9.4	7.7	26	2.5	7.9	8.1	3.0	17	17

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
- - = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HPCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:
^J = Estimated Value
^{EMPC} = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

Table 2j
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						REI Engineering, Inc.										
Date-->						10/20/2022	11/28/2022	11/28/2022	11/28/2022	11/28/2022	11/28/2022	7/18/2023	7/18/2023	7/18/2023	7/18/2023	7/18/2023
Sample-->						S13*	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23
Sample Depth--(Inches)-->						2-3	2-3	2-3	2-3	10-12	10-12	12	12	48	12	48
Percent Moisture (%)-->						9.2	21.7	24.1	13.3	17.1	18.2	1.8	8.2	6.8	4.2	3.8
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL											
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	0.54 ^J	0.30 ^J	3.7 ^{EMPC, I,J}	0.16 ^{EMPC, I,J}	0.27 ^J	0.17 ^{EMPC, I,J}	<0.28	<0.37	<0.20	<0.25	<0.22
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	2.9 ^J	2.7 ^J	2.2 ^J	0.17 ^J	1.5 ^J	0.73 ^J	<0.16	0.15 ^J	<0.14	<0.11	<0.16
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	5.3	3.1 ^J	4.2 ^J	0.36 ^J	2.0 ^{EMPC, I,J}	1.4 ^J	<0.15	0.43 ^{J,B}	0.23 ^{EMPC, I,J}	0.24 ^{J,B}	0.35 ^{J,B}
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	16	11.0	12.0	0.60 ^J	7.9	5.3	<0.12	0.82 ^J	0.26 ^J	0.39 ^{EMPC, I,J}	0.59 ^J
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	8.9	6.3	7.1	0.33 ^{EMPC, I,J}	3.9 ^J	2.8 ^J	<0.18	0.42 ^{EMPC, I,J}	0.14 ^{EMPC, I,J}	0.20 ^J	0.39 ^J
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	350	230	260	9.1	150	100	0.51 ^{EMPC, I,J}	15	4.6 ^J	7.1	9.5
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	2,800	1,900	2,000	74	1,300	860	5.1 ^{J,B}	120	39	52	79
Total TCDD	--	ng/kg	--	--	--	16	13	36	0.41 ^J	3.8	4.5	<0.28	0.42 ^J	<0.20	<0.25	<0.22
Total PeCDD	--	ng/kg	--	--	--	25	21	46	0.85 ^J	9.7	8.5	<0.16	0.74 ^J	<0.14	<0.11	0.26 ^J
Total HxCDD	--	ng/kg	--	--	--	140	95	130	4.7 ^J	57	41	<0.12	6.4	1.3 ^{J,B}	1.8 ^{J,B}	2.2 ^J
Total HpCDD	--	ng/kg	--	--	--	600	440	490	19	270	190	0.53 ^J	29	8.2	13	17
Furan Congeners																
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	8.7 ^V	2.4 ^V	4.2 ^V	0.17 ^J	1.1 ^V	1.2 ^V	<0.21	<0.67	<0.21	<0.22	<0.20
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	2.7 ^J	0.99 ^{EMPC, I,J}	2.3 ^J	<0.15	0.63 ^J	0.31 ^J	0.51 ^{EMPC, P,J}	27 ^{EMPC, P}	6.6 ^{EMPC, P}	0.41 ^{EMPC, I,J}	35 ^P
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	27	7.8	5.3 ^{EMPC, P}	0.45 ^J	4.3 ^J	5.1	<0.15	2.7 ^J	0.64 ^{EMPC, I,J}	0.21 ^J	1.9 ^J
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	11	4.0 ^J	6.2	0.26 ^{EMPC, I,J}	3.2 ^{EMPC, I,J}	4.0 ^J	<0.17	1.1 ^{EMPC, I,J}	<0.14	<0.082	0.76 ^{EMPC, I,J}
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	12	8.5	6.5	0.30 ^J	5.3	4.4 ^J	<0.14	0.93 ^J	<0.14	0.20 ^J	0.63 ^J
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	14	8.7	5.6	0.35 ^J	6.3	5.7 ^{EMPC, P}	<0.11	3.0 ^J	0.78 ^{EMPC, I,J}	0.067	2.1 ^J
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	3.3 ^J	2.1 ^J	1.4 ^J	0.17 ^{B,J}	1.5 ^{EMPC, I,J}	1.2	<0.19	1.5 ^{EMPC, P,I,J}	<0.057	<0.081	0.80 ^{EMPC, P,I,J}
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	140	87	93	3.5 ^J	55	38	0.23 ^{EMPC, I,J}	8.9	1.8 ^J	1.9 ^J	3.8 ^J
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	7.8	4.4 ^J	2.8 ^J	0.22 ^{EMPC, I,J}	2.5 ^J	2.1 ^J	<0.22	<0.32	<0.13	0.23	<0.013
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	210	130	140	6.0 ^J	85	62	<0.32	11 ^J	2.5 ^J	2.4 ^J	5.0 ^J
Total TCDF	--	ng/kg	--	--	--	120	83	80	1.0	85	43	<0.21	4.7	1.2	<0.22	2.3
Total PeCDF	--	ng/kg	--	--	--	300	210	70	4.5 ^J	160	130	0.25 ^J	21	4.7 ^J	1.4 ^J	17
Total HxCDF	--	ng/kg	--	--	--	300	270	140	5.6	130	140	0.31 ^J	37	9.3	1.6 ^J	29
Total HpCDF	--	ng/kg	--	--	--	330	200	190	7.7	130	96	<0.19	20	4.7 ^J	4.1 ^J	11
Individual Exceedances (DC)			1	1	--	1	0	0	0	0	0	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	0.4342	0.2284	0.2753	0.0154	0.1428	0.113	0.0004	0.0535	0.0111	0.0045	0.0441
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	5.2E-06	2.8E-06	3.4E-06	1.8E-07	1.8E-06	1.4E-06	4.9E-09	5.8E-07	1.2E-07	6.0E-08	4.8E-07
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	25	14	16.5	0.87	8.7	6.7	0.024	2.9	0.61	0.29	2.3

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
- - = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HPCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:
^J = Estimated Value
EMPC = Estimated Maximum Possible Concentration
^B = Less than 10x higher than method blank level
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

Table 2k
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						REI Engineering, Inc.											
Date-->						7/18/2023	7/18/2023	7/18/2023	7/19/2023	7/19/2023	7/19/2023	7/19/2023	7/19/2023	7/19/2023	7/19/2023	7/19/2023	7/19/2023
Sample-->						S25	S26	S27	S28	S29	S30	S31	S32	S33*	S34	S35	S36
Sample Depth--(Inches)-->						12	12	48	48	2-3	2-3	12	48	2-3	2-3	12	2-3
Percent Moisture (%)-->						6.5	7.5	4.9	1.4	4.8	5.3	4.6	2.4	6.8	10.1	3.6	13.3
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL												
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	<0.27	<0.41	0.38 ^J	<0.22	<0.29	<0.25	<0.061	<0.077	<0.21	<0.69	<0.54	0.75 ^J
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	<0.12	<0.86	2.8 ^J	<0.14	1.4 ^J	1.4 ^J	0.42 ^{EMPC, I,J}	0.092 ^J	0.67 ^J	2.1 ^J	<0.22	4.7 ^J
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	0.51 ^{EMPC, I,J}	3.5 ^{EMPC, I,J}	5.7	0.41 ^{EMPC, I,J}	2.5 ^J	2.9 ^J	1.1 ^{J,B}	0.31 ^{J,B}	1.9 ^J	3.6 ^{EMPC, I,J}	0.31 ^J	7.3
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	0.54 ^J	9.3	22	0.66 ^{EMPC, I,J}	13	6.4	3.0 ^J	0.47 ^J	5.5	14	0.26 ^{EMPC, I,J}	23
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	0.38 ^{EMPC, I,J}	3.8 ^J	10	0.48 ^J	6.6	4.3 ^J	1.6 ^J	0.24 ^J	3.4 ^J	5.2	<0.13	15
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	10	200	400	14	220	150	52	9.3	100	290	3.8 ^J	450
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	76	2,100	3,800	110	1,900	1,200	470	74	830	2,500	35	3,500
Total TCDD	--	ng/kg	--	--	--	<0.27	3.4	7.2	<0.22	6.0	8.7	1.3	0.15 ^J	3.4	3.3	<0.54	13
Total PeCDD	--	ng/kg	--	--	--	<0.12	5.9	25	<0.14	20	17	2.3 ^J	0.092 ^J	10	13	<0.22	35
Total HxCDD	--	ng/kg	--	--	--	3.2 ^J	52	140	3.5 ^J	88	64	19	3.2 ^J	44	95	1.6 ^J	200
Total HpCDD	--	ng/kg	--	--	--	19	390	740	25	410	290	92	16	190	600	6.9	850
Furan Congeners																	
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	<0.50	<0.67	2.1 ^C	<0.26	1.8 ^V	1.4 ^V	0.50 ^J	<0.13	0.80 ^J	1.6 ^C	<0.70	3.1 ^V
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	42 ^{EMPC, P}	69 ^{EMPC, P}	1.9 ^J	33 ^{EMPC, I,J}	300 ^{EMPC}	98 ^{EMPC, P}	<0.20	<0.15	170 ^{EMPC, P}	3.9 ^{EMPC, P,J}	14 ^{EMPC, P}	280 ^{EMPC, P}
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	1.9 ^J	11	55	3.1 ^J	72	11	7.7	0.90 ^J	12	14	1.0 ^J	44
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	1.0 ^{EMPC, I,J}	4.7 ^J	13	0.73 ^{EMPC, I,J}	11 ^{EMPC, P}	6.4 ^{EMPC, P}	8.2	0.75 ^J	5.9 ^{EMPC, P}	25.0 ^{EMPC, P,J}	<0.16	21 ^{EMPC, P}
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	0.76 ^J	4.2 ^J	20 ^{EMPC, P}	0.80 ^J	15	4.9 ^J	5.8 ^{EMPC, P}	0.57 ^J	4.2 ^J	15	<0.16	16
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	2.4 ^{EMPC, I,J}	8.6	43	2.7 ^J	54	12	8.7	0.71 ^{EMPC, I,J}	12	20	0.78 ^{EMPC, I,J}	46
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	1.4 ^{EMPC, I,J}	4.2 ^J	5.3	1.2 ^J	14 ^{EMPC, P}	6.3 ^{EMPC, P}	1.1	0.25 ^J	7.6 ^{EMPC, P}	3.3 ^J	<0.11	17 ^{EMPC, P}
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	4.3 ^J	90	180	6.6	110	73	21	2.6 ^J	47	100	2.3 ^J	200
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	<0.13	<0.65	10	<0.30	6.6	4.1 ^J	1.4 ^J	<0.15	2.8 ^J	7.6	<0.33	12
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	5.3 ^J	100	320	8.6 ^J	110	85	40	8.5 ^J	50	150	2.7 ^J	220
Total TCDF	--	ng/kg	--	--	--	0.65 ^J	<0.67	140	1.9	160	46	16	0.64 ^J	32	49	<0.70	120
Total PeCDF	--	ng/kg	--	--	--	15	74	670	25	620	89	95	7.6	97	320	7.7	270
Total HxCDF	--	ng/kg	--	--	--	29	130	450	38	750	180	78	7.7	170	410	11	610
Total HpCDF	--	ng/kg	--	--	--	11	210	190	16	280	170	22	2.6 ^J	110	250	6.0	440
Individual Exceedances (DC)			1	1	--	0	0	1	0	3	0	0	0	1	0	0	2
Cumulative Hazard Index (DC)			1.0	1.0	--	0.0510	0.2135	0.6908	0.0535	0.8958	0.2617	0.1203	0.0147	0.208	0.338	0.0175	0.8902
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	5.5E-07	2.6E-06	7.9E-06	5.8E-07	9.7E-06	3.0E-06	1.4E-06	1.7E-07	3.1E-06	4.1E-06	1.9E-07	1.0E-05
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	2.7	13	39	2.9	48	15	6.6	0.84	15	20	0.93	50

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
- - = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
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OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:
^J = Estimated Value
^{EMPC} = Estimated Maximum Possible Concentration
^B = Less than 10x higher than method blank level
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

Table 2I
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Collected By-->						REI Engineering, Inc.									
Date-->						7/19/2023	7/19/2023	7/19/2023	7/19/2023	7/20/2023	7/20/2023	7/21/2023	10/12/2023	10/12/2023	10/12/2023
Sample-->						S37	S38	S39	S40	S41	S42	S43	S44	S45	S46
Sample Depth--(Inches)-->						2-3	2-3	2-3	12	12	12	12	12	2-3	2-3
Percent Moisture (%)-->						9.4	7.8	6.9	5.7	1.7	6.9	5.3	7.7	9.6	17.6
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL										
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	0.41 ^J	0.36 ^J	<0.95	<0.082	<0.17	<0.22	<0.34	<0.41	<0.50	<0.49
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	1.8 ^J	1.6 ^J	1.1 ^{EMPC, I,J}	0.14 ^{EMPC, I,J}	0.20 ^{EMPC, I,J}	0.38 ^J	<0.22	<0.32	1.9 ^J	1.3 ^J
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	6.3	4.8 ^J	4.8 ^J	0.45 ^J	0.36 ^{EMPC, I,J}	1.0 ^{EMPC, I,J}	0.30 ^{EMPC, I,J}	1.2 ^J	3.6 ^J	2.5 ^J
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	16	10.0	13.0	0.58 ^J	<0.088	2.0	0.43 ^{EMPC, I,J}	3.2 ^J	11	6.9
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	11	7.7	8.0	0.45 ^J	0.39 ^J	1.4	0.37 ^J	2.0 ^J	4.4 ^J	3.8 ^J
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	370	240	280	13	0.88 ^{EMPC, I,J}	45	6.4	78	220	140
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	3,100	1,800	2,200	110	5.3 ^{J,B}	340	50	620	1,500	1,000
Total TCDD	--	ng/kg	--	--	--	24	11	6.7	0.91 ^J	<0.17	<0.22	0.37 ^J	2.1	7.7	5.0
Total PeCDD	--	ng/kg	--	--	--	26	16	6.1	0.63 ^J	0.42 ^J	3.6 ^J	0.45 ^J	2.8	26	5.9
Total HxCDD	--	ng/kg	--	--	--	140	100	100	4.9 ^J	0.76 ^J	15	0.85 ^J	28	95	61
Total HpCDD	--	ng/kg	--	--	--	660	460	530	24	<0.24	84	13	150	410	250
Furan Congeners															
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	1.8 ^C	1.5	0.96 ^{EMPC, I,J}	0.14 ^J	<0.22	<0.66	<0.44	0.54 ^{J,C}	2.7 ^C	1.7 ^C
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	31 ^{EMPC, P}	27 ^{EMPC, P}	51 ^{EMPC, P}	0.13 ^J	0.72 ^{EMPC, I,J}	19 ^{EMPC, P}	5.8 ^{EMPC, P}	<0.25	2.3 ^J	<0.43
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	17	8.5	12	0.75 ^J	0.36 ^J	3.1 ^J	1.4 ^J	5.6	27	21
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	10	6.7	6.9	0.32 ^{EMPC, I,J}	0.35 ^J	1.4 ^J	<0.11	1.5 ^J	10 ^{EMPC, P}	13 ^{EMPC, P}
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	9	5.0 ^J	4.8 ^{EMPC, I,J}	0.52 ^J	0.19 ^{EMPC, I,J}	1.1 ^{EMPC, I,J}	<0.13	3.0 ^J	12	8.9
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	19	10	8.6	0.84 ^J	0.26 ^{EMPC, I,J}	3.1 ^J	1.1 ^J	6.8	29	21
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	7.7 ^{EMPC, P}	3.6 ^{EMPC, P,J}	4.9	0.29 ^J	0.41 ^{EMPC, I,J}	1.3 ^J	<0.16	<1.5	<1.1	<1.5
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	150	95	100	5.3	0.37 ^{EMPC, I,J}	19	3.9 ^J	30	110	68
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	11	4.7 ^J	8.0	0.37 ^J	0.47 ^{EMPC, I,J}	1.5 ^J	<0.48	1.5 ^{EMPC, I,J}	6.5	4.4 ^J
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	210	120	150	8.3 ^J	1.2 ^J	24	3.2 ^J	42	140	87
Total TCDF	--	ng/kg	--	--	--	60	29	17	4.2	<0.22	6.4	<0.44	15	79	54
Total PeCDF	--	ng/kg	--	--	--	130	69	78	8.6	0.76 ^J	19	7.5	84	360	270
Total HxCDF	--	ng/kg	--	--	--	320	160	170	8.1	0.69 ^J	39	11	99	400	61
Total HpCDF	--	ng/kg	--	--	--	410	210	240	5.7	<0.18	43	7.0	66	250	150
Individual Exceedances (DC)			1	1	--	1	0	0	0	0	0	0	0	1	1
Cumulative Hazard Index (DC)			1.0	1.0	--	0.3765	0.2348	0.2626	0.0162	0.0105	0.0657	0.0171	0.0798	0.3751	0.2846
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	4.6E-06	2.9E-06	3.3E-06	1.9E-07	1.1E-07	7.7E-07	1.9E-07	9.8E-07	4.3E-06	3.2E-06
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	23	14	16	1.0	0.54	3.8	0.93	4.8	21	16

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
- - = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
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HxCDF: Hexachlorodibenzofuran
HPCDF: Heptachlorodibenzofuran
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Laboratory Qualifiers and Notes:
^J = Estimated Value
EMPC = Estimated Maximum Possible Concentration
^B = Less than 10x higher than method blank level
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

Table 3
WAC Chapter NR720 Standards Exceedances
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Compound	WAC Chapter NR720 Non-Industrial Direct Contact RCL Exceedances	Exceedance Count
Dioxins		
2,3,7,8-TCDD	No Exceedances	0
1,2,3,7,8-PeCDD	No Exceedances	0
1,2,3,4,7,8-HxCDD	No Exceedances	0
1,2,3,6,7,8-HxCDD	No Exceedances	0
1,2,3,7,8,9-HxCDD	No Exceedances	0
1,2,3,7,8,9-HpCDD	No Exceedances	0
OCDD	No Exceedances	0
Furans		
2,3,7,8-TCDF	No Exceedances	0
1,2,3,7,8-PeCDF	S29 (2-3 inches bls), S36 (2-3 inches bls)	2
2,3,4,7,8-PeCDF	S27 (2-3 inches bls), S29 (2-3 inches bls), S36 (2-3 inches bls), S37 (2-3 inches bls), S45 (2-3 inches bls), S46 (2-3 inches bls)	5
1,2,3,4,7,8-HxCDF	No Exceedances	0
1,2,3,6,7,8-HxCDF	No Exceedances	0
2,3,4,6,7,8-HxCDF	S29 (2-3 inches bls)	1
1,2,3,7,8,9-HxCDF	No Exceedances	0
1,2,3,4,6,7,8-HpCDF	No Exceedances	0
1,2,3,4,7,8,9-HpCDF	No Exceedances	0
OCDF	No Exceedances	0
Cumulative Hazard Index	No Exceedances	0
Cumulative Cancer Risk	S36 (2-3 inches bls)	1

Notes:

WAC = Wisconsin Administrative Code

* = Concentration also exceeded the WAC Chapter NR720 Industrial Direct Contact RCLs.

^ = Sample location excavated during redevelopment

Table 4
Residual Soil Contamination - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785



Collected By-->						CWE, Inc.			REI Engineering, Inc.					
Date-->						12/8/2008	12/8/2008	12/8/2008	7/18/2023	7/19/2023	7/19/2023	7/19/2023	10/12/2023	10/12/2023
Sample-->						1003 Emt	117 Riv 1	117 Riv 2	S27	S29	S36	S37	S45	S46
Sample Depth--(Inches)-->						8-10	4-6	4-6	48	2-3	2-3	2-3	2-3	2-3
Percent Moisture (%)-->						-	-	-	4.9	4.8	13.3	9.4	9.6	17.6
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL									
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	<1	<1	<1	0.38 ^J	<0.29	0.75 ^J	0.41 ^J	<0.50	<0.49
1,2,3,7,8-PeCDD	40321-76-4	ng/kg	4.93	22.3	--	<5	5.1	5.6	2.8 ^J	1.4 ^J	4.7 ^J	1.8 ^J	1.9 ^J	1.3 ^J
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	<5	12	15	5.7	2.5 ^J	7.3	6.3	3.6 ^J	2.5 ^J
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	15	41	44	22	13	23	16	11	6.9
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	6.8	25	27	10	6.6	15	11	4.4 ^J	3.8 ^J
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	260	1,100	1,100	400	220	450	370	220	140
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	3,000	7,600	8,200	3,800	1,900	3,500	3,100	1,500	1,000
Total TCDD	--	ng/kg	--	--	--	7.9	15	22	7.2	6.0	13	24	7.7	5.0
Total PeCDD	--	ng/kg	--	--	--	<5	40	48	25	20	35	26	26	5.9
Total HxCDD	--	ng/kg	--	--	--	85	310	360	140	88	200	140	95	61
Total HpCDD	--	ng/kg	--	--	--	500	2,000	2,000	740	410	850	660	410	250
Furan Congeners														
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	2.0	3.5	3.7	2.1 ^C	1.8 ^V	3.1 ^V	1.8 ^C	2.7 ^C	1.7 ^C
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	<5	<5	<5	1.9 ^J	300 ^{EMPC}	280 ^{EMPC, P}	31 ^{EMPC, P}	2.3 ^J	<0.43
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	76	16	16	55	72	44	17	27	21
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	24	37	12	13	11 ^{EMPC, P}	21 ^{EMPC, P}	10	10 ^{EMPC, P}	13 ^{EMPC, P}
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	26	19	17	20 ^{EMPC, P}	15	16	9	12	8.9
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	100	29	23	43	54	46	19	29	21
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	6.4	<5	5.0	5.3	14 ^{EMPC, P}	17 ^{EMPC, P}	7.7 ^{EMPC, P}	<1.1	<1.5
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	160	350	350	180	110	200	150	110	68
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	13	20	20	10	6.6	12	11	6.5	4.4 ^J
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	170	520	550	320	110	220	210	140	87
Total TCDF	--	ng/kg	--	--	--	140	110	110	140	160	120	60	79	54
Total PeCDF	--	ng/kg	--	--	--	880	260	250	670	620	270	130	360	270
Total HxCDF	--	ng/kg	--	--	--	1,600	580	560	450	750	610	320	400	61
Total HpCDF	--	ng/kg	--	--	--	540	870	850	190	280	440	410	250	150
Individual Exceedances (DC)			1	1	--	2	2	2	1	3	2	1	1	1
Cumulative Hazard Index (DC)			1.0	1.0	--	0.8558	0.6551	0.6298	0.6908	0.8958	0.8902	0.3765	0.3751	0.2846
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	9.4E-06	8.9E-06	8.7E-06	7.9E-06	9.7E-06	1.0E-05	4.6E-06	4.3E-06	3.2E-06
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	--	46	44	42	39	48	50	23	21	16

Notes:
NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
-- = Not Sampled/Collected
-- = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
* = Area of sample removed during remedial excavation.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HPCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

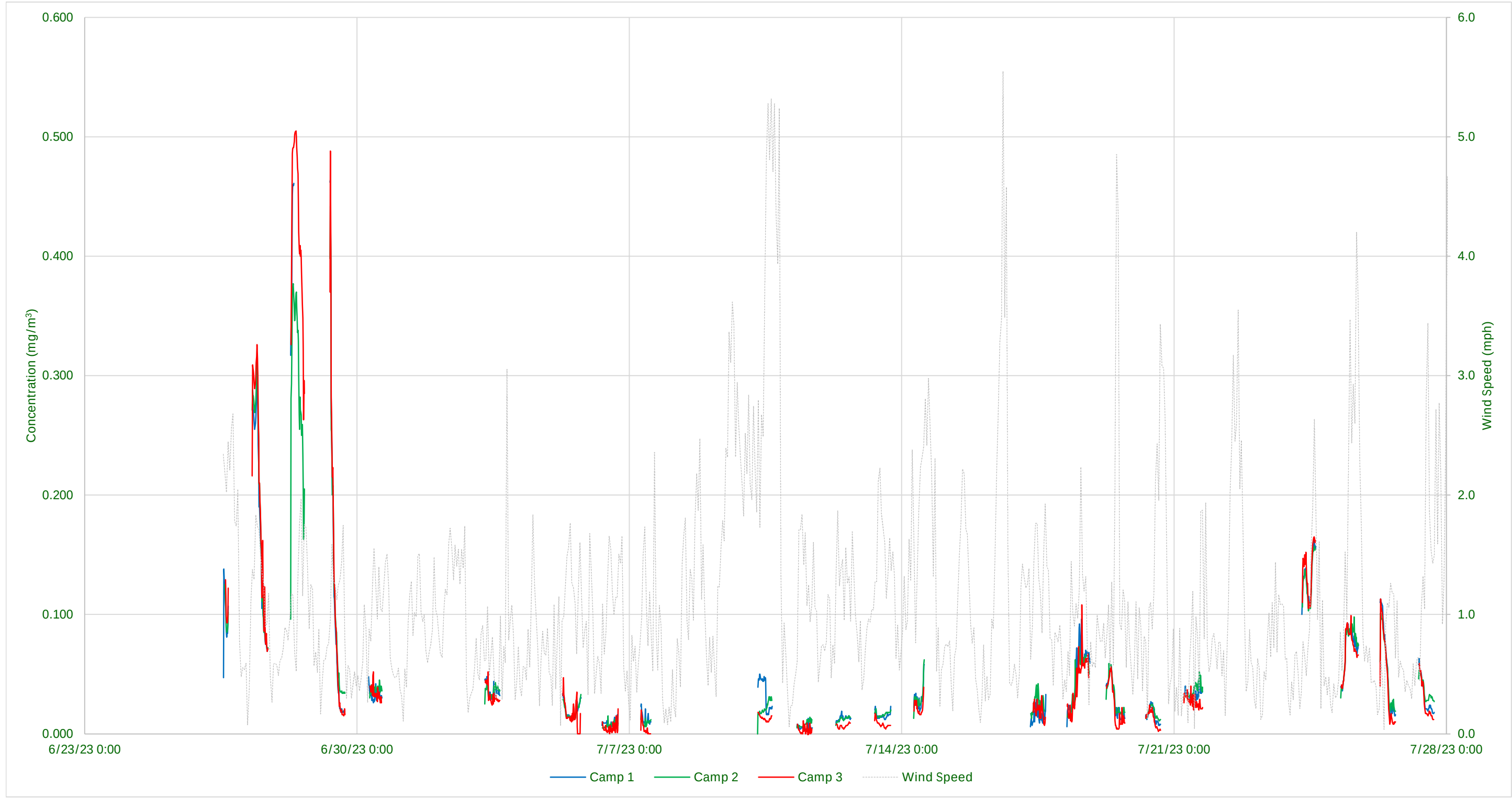
Laboratory Qualifiers and Notes:
^J = Estimated Value
^{EMPC} = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

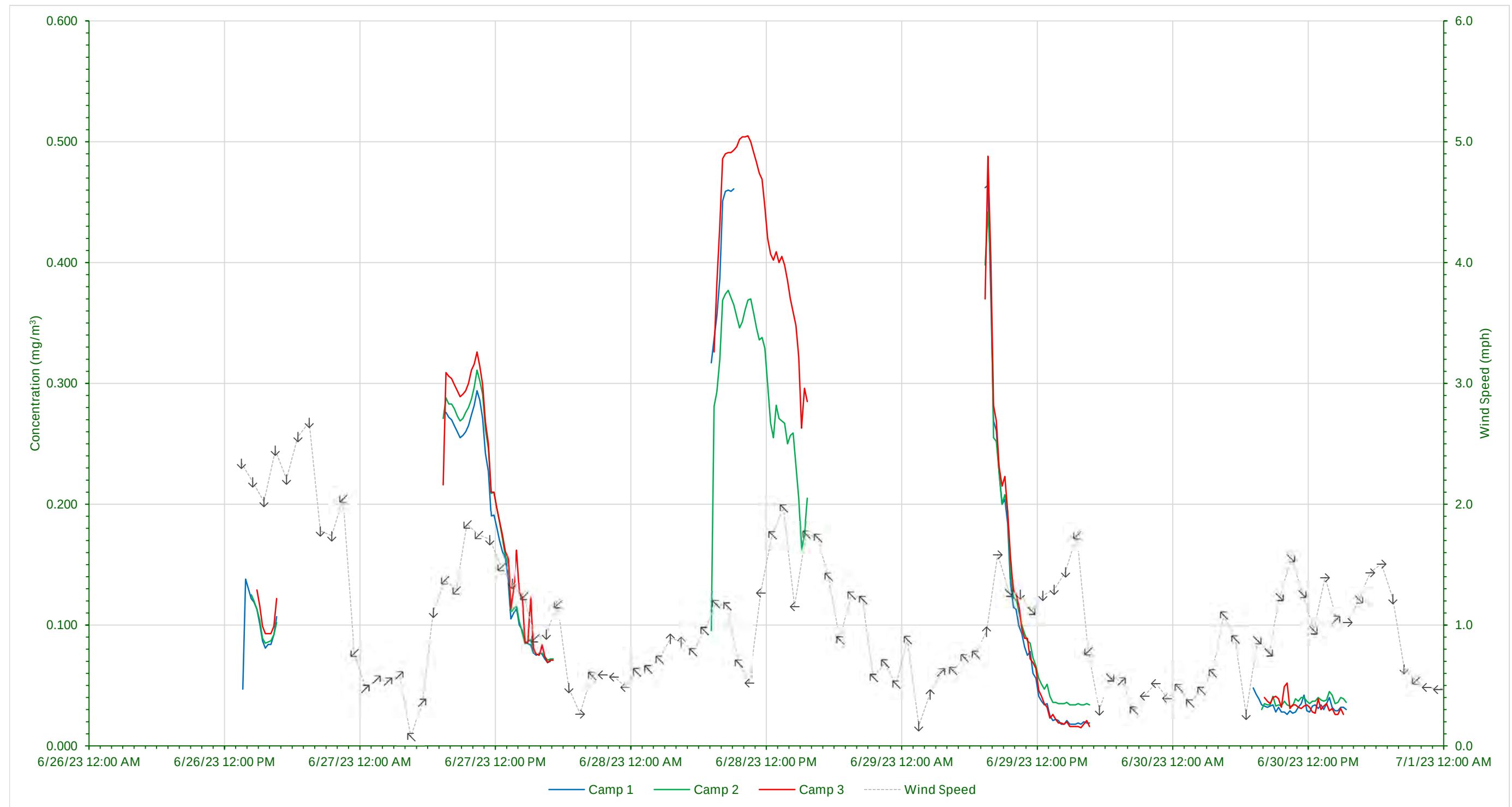
GRAPHS



Graph 1a
Site Air Monitoring Results
June 26, 2023 through July 28, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



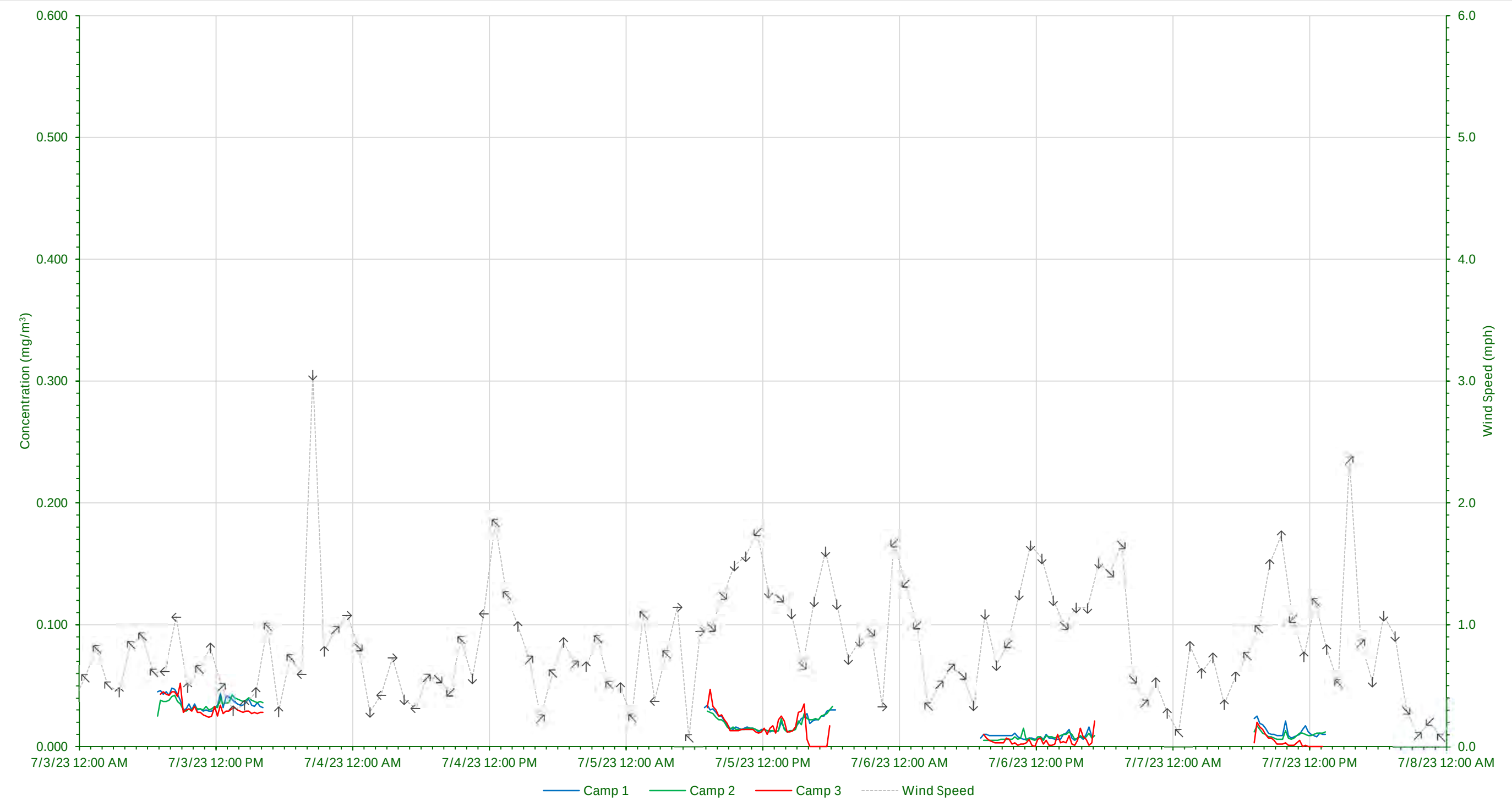
Graph 1b
 Site Air Monitoring Results
 June 26, 2023 through June 30, 2023
 Riverside Rail Corridor
 132 River Street
 Wausau, WI 54403
 BRTS#: 02-37-584785



Camp 1 is located north-northeast (↗) of excavation area.
 Camp 2 is located southeast (↘) of excavation area.
 Camp 3 is located south-southwest (↙) of excavation area.

Responsive. Efficient. Innovative.

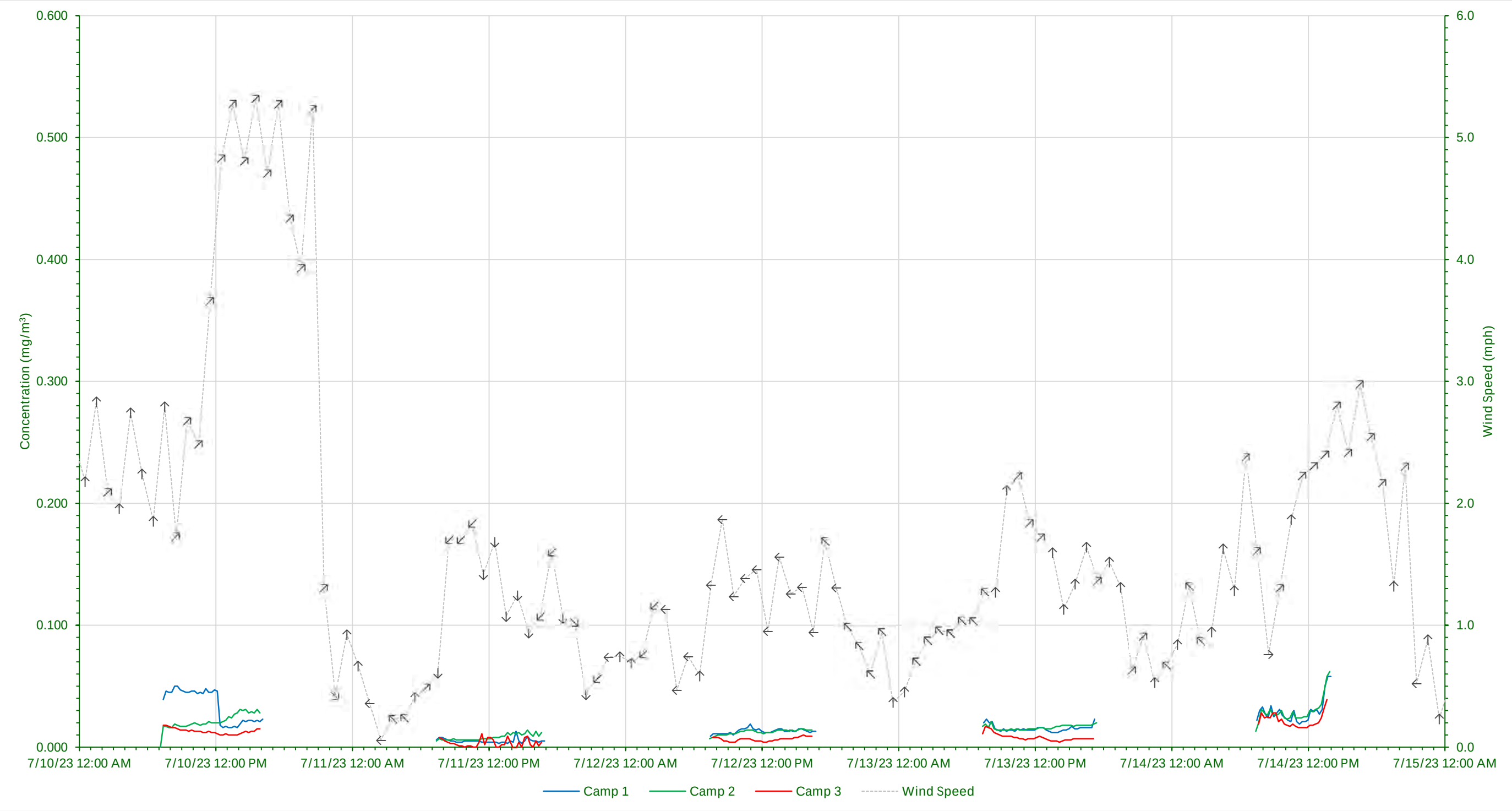
Graph 1c
Site Air Monitoring Results
July 3, 2023 through July 7, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



Camp 1 is located north-northeast (↗) of excavation area.
Camp 2 is located southeast (↘) of excavation area.
Camp 3 is located south-southwest (↙) of excavation area.

Responsive. Efficient. Innovative.

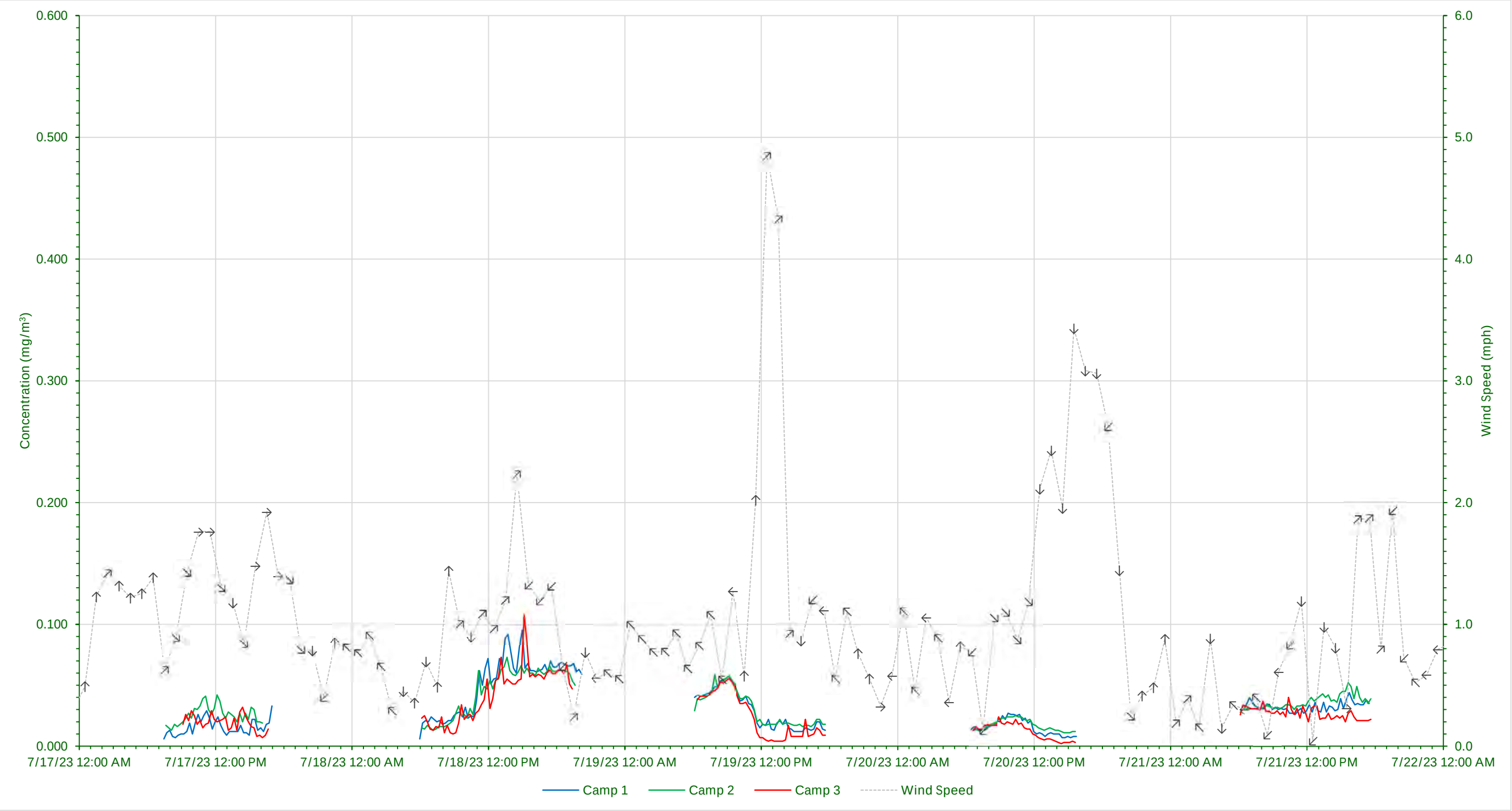
Graph 1d
Site Air Monitoring Results
July 10, 2023 through July 14, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



Camp 1 is located north-northeast (↗) of excavation area.
Camp 2 is located southeast (↘) of excavation area.
Camp 3 is located south-southwest (↙) of excavation area.

Responsive. Efficient. Innovative.

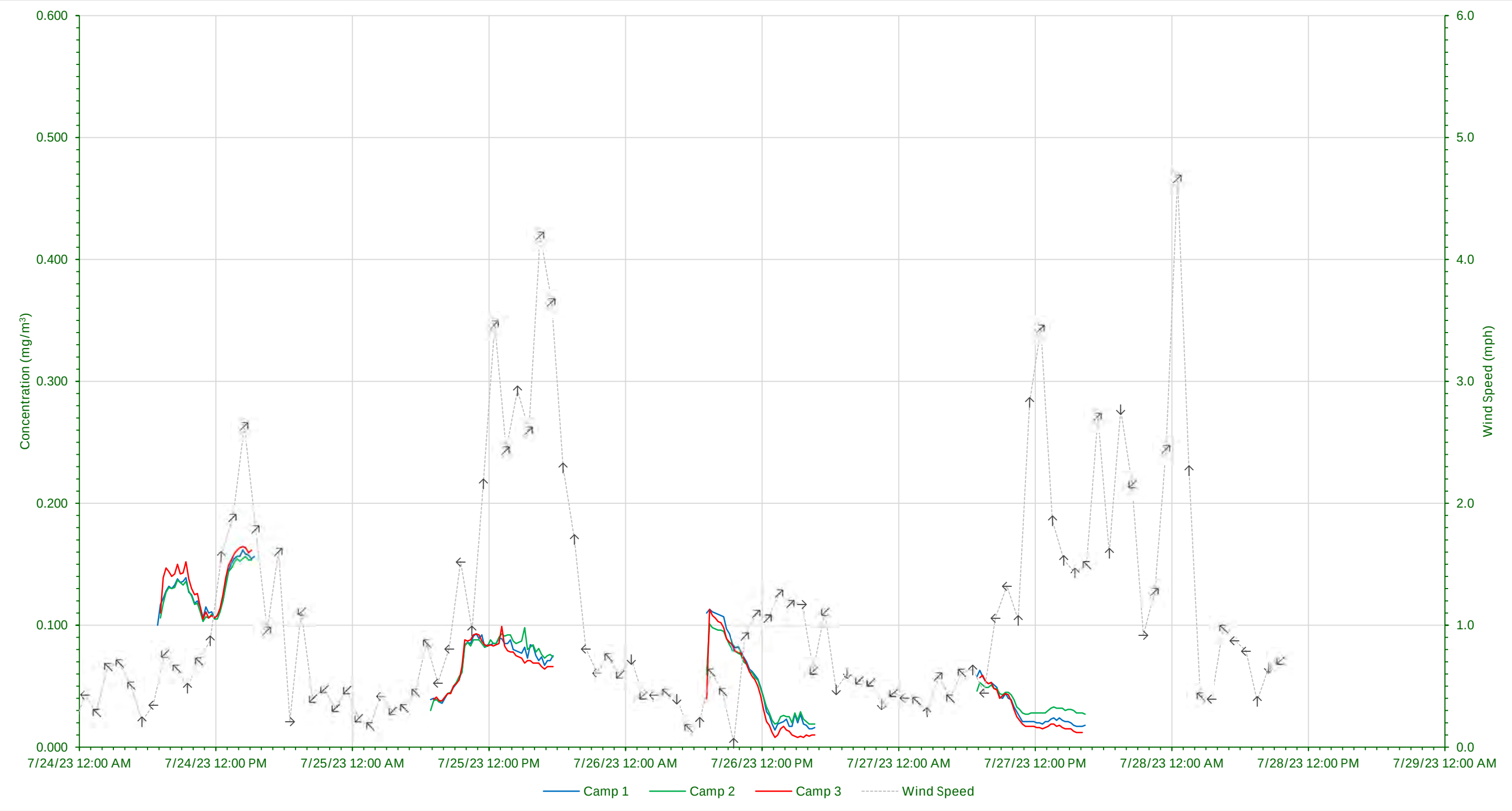
Graph 1e
Site Air Monitoring Results
July 17, 2023 through July 21, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



Camp 1 is located north-northeast (↗) of excavation area.
Camp 2 is located southeast (↘) of excavation area.
Camp 3 is located south-southwest (↙) of excavation area.

Responsive. Efficient. Innovative.

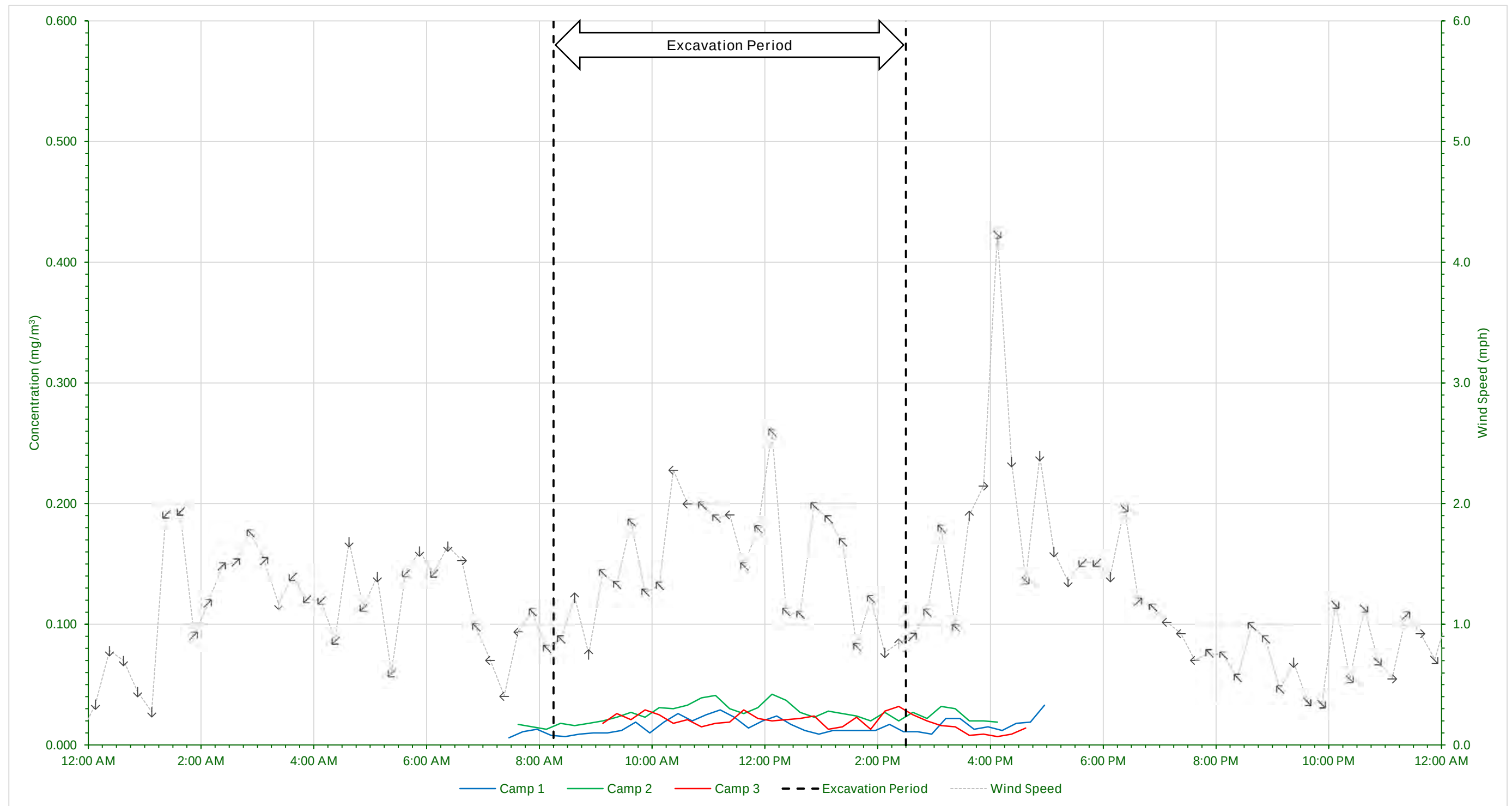
Graph 1f
Site Air Monitoring Results
July 24, 2023 through July 28, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



Camp 1 is located north-northeast (↗) of excavation area.
Camp 2 is located southeast (↘) of excavation area.
Camp 3 is located south-southwest (↙) of excavation area.

Responsive. Efficient. Innovative.

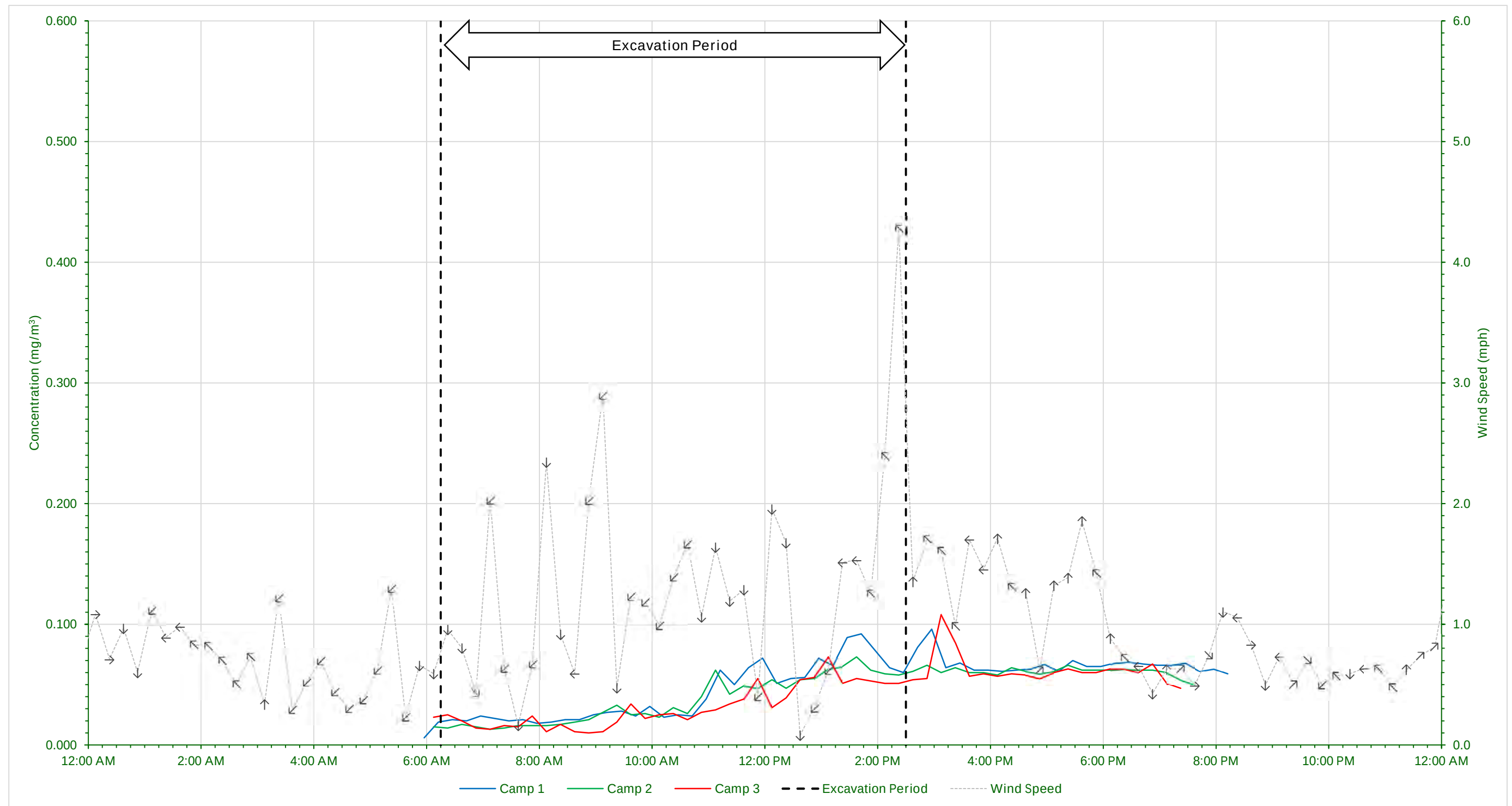
Graph 1g
 Site Air Monitoring Results
 July 17, 2023
 Riverside Rail Corridor
 132 River Street
 Wausau, WI 54403
 BRTS#: 02-37-584785



Camp 1 is located north-northeast (↗) of excavation area.
 Camp 2 is located southeast (↘) of excavation area.
 Camp 3 is located south-southwest (↙) of excavation area.

Responsive. Efficient. Innovative.

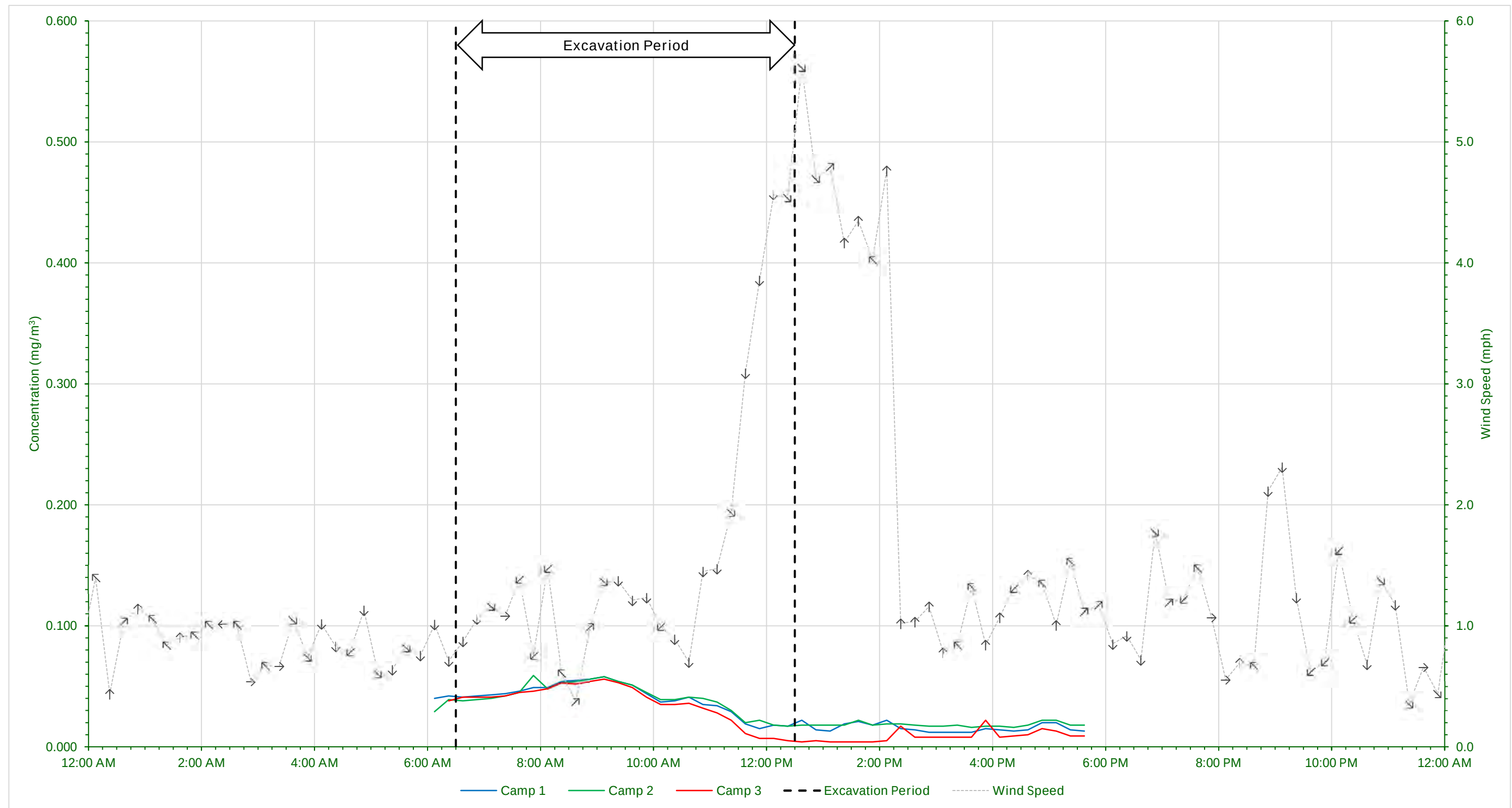
Graph 1h
 Site Air Monitoring Results
 July 18, 2023
 Riverside Rail Corridor
 132 River Street
 Wausau, WI 54403
 BRTS#: 02-37-584785



Camp 1 is located north-northeast (↗) of excavation area.
 Camp 2 is located southeast (↘) of excavation area.
 Camp 3 is located south-southwest (↙) of excavation area.

Responsive. Efficient. Innovative.

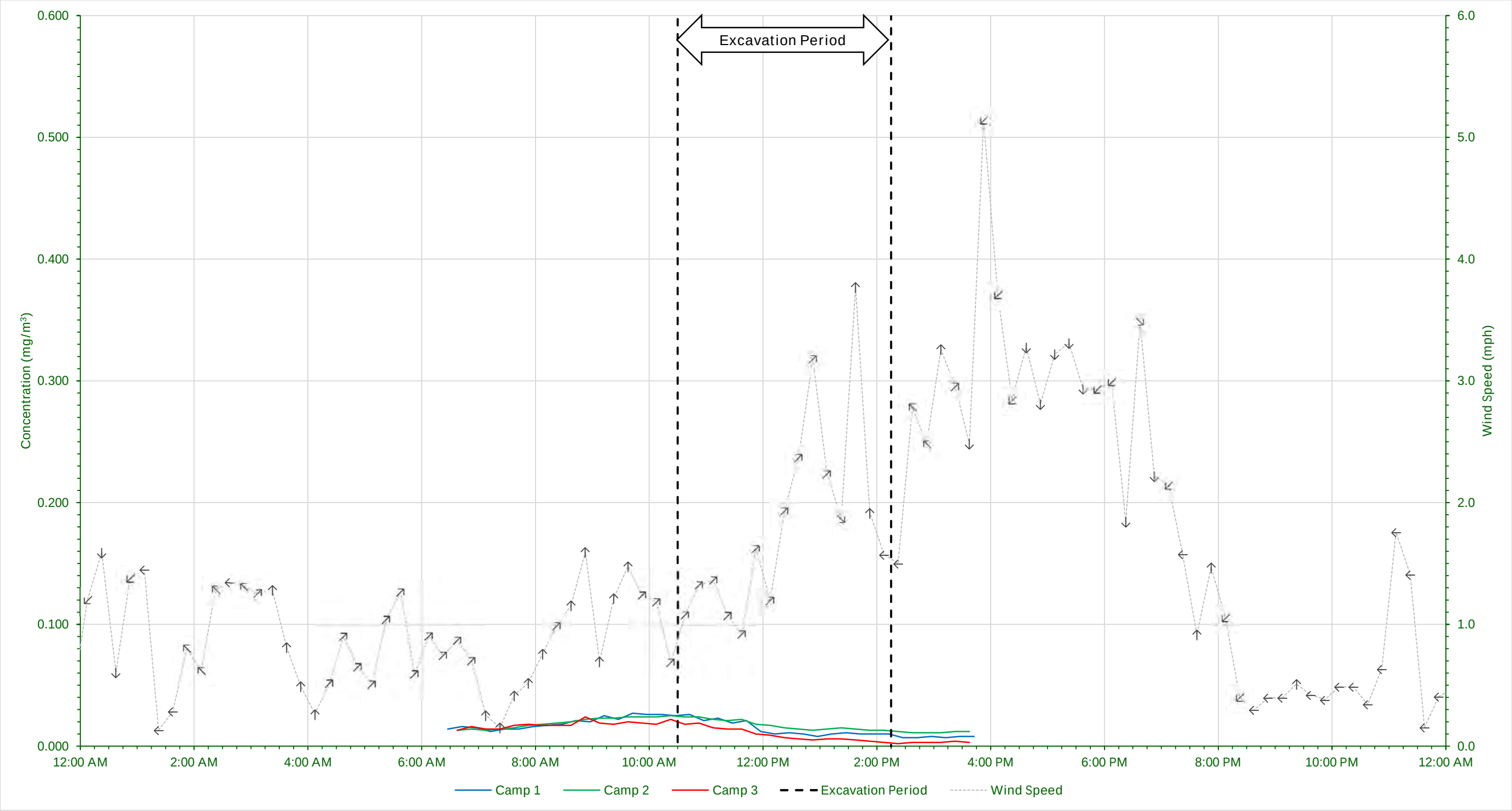
Graph 1i
 Site Air Monitoring Results
 July 19, 2023
 Riverside Rail Corridor
 132 River Street
 Wausau, WI 54403
 BRTS#: 02-37-584785



Camp 1 is located north-northeast (↗) of excavation area.
 Camp 2 is located southeast (↘) of excavation area.
 Camp 3 is located south-southwest (↙) of excavation area.

Responsive. Efficient. Innovative.

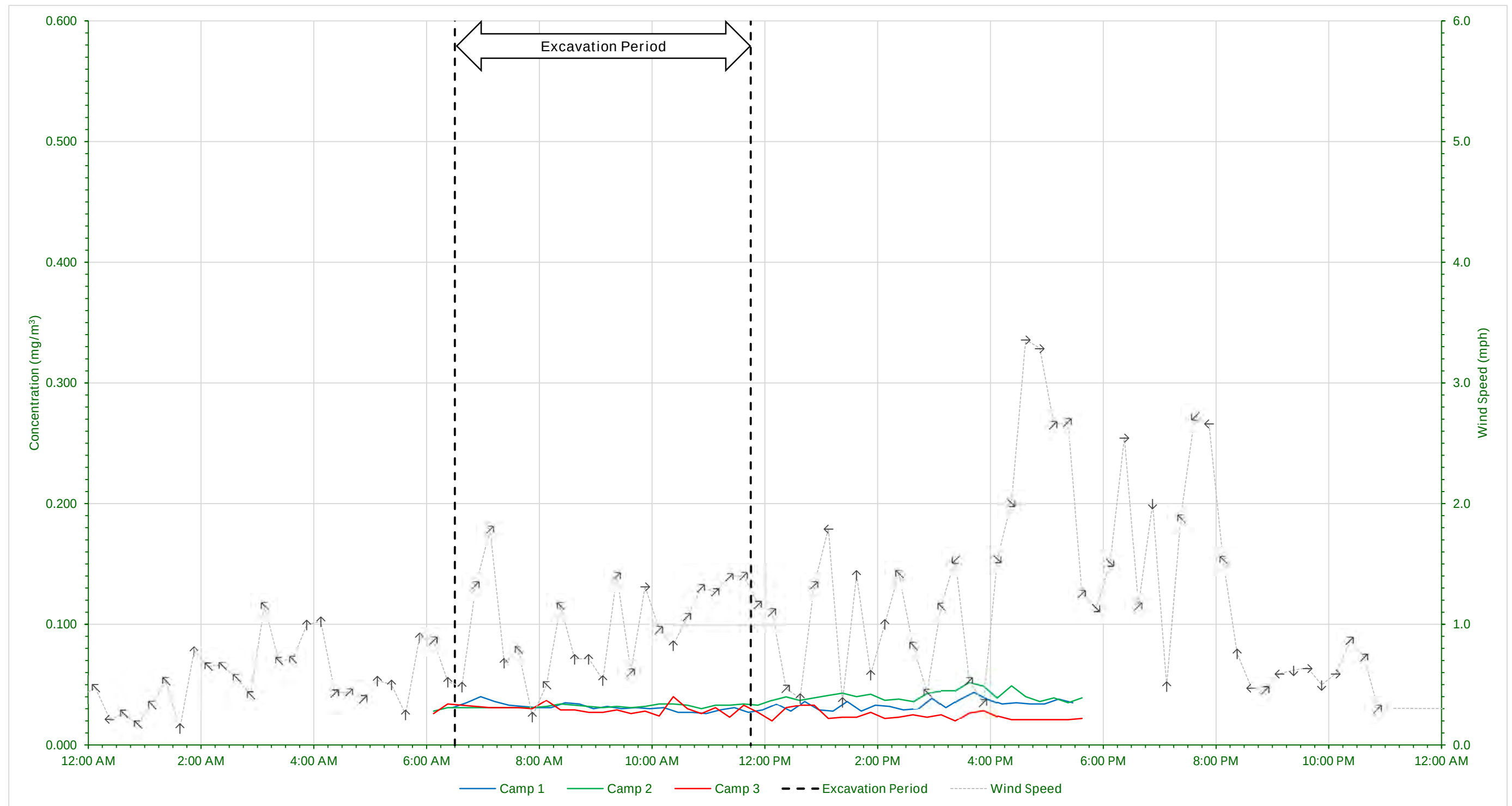
Graph 1j
Site Air Monitoring Results
July 20, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



Camp 1 is located north-northeast (↗) of excavation area.
Camp 2 is located southeast (↘) of excavation area.
Camp 3 is located south-southwest (↙) of excavation area.

Responsive. Efficient. Innovative.

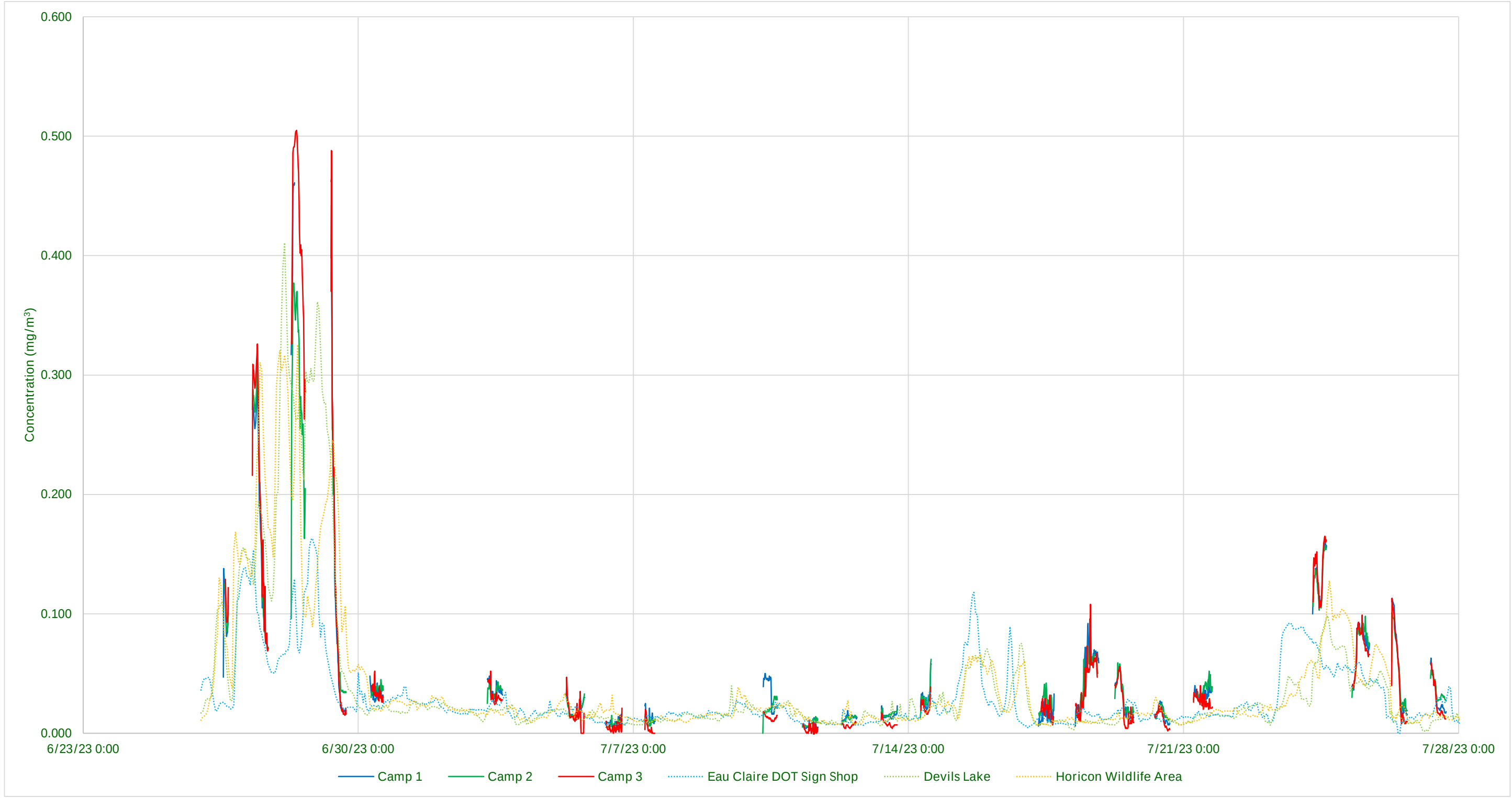
Graph 1k
 Site Air Monitoring Results
 July 21, 2023
 Riverside Rail Corridor
 132 River Street
 Wausau, WI 54403
 BRTS#: 02-37-584785



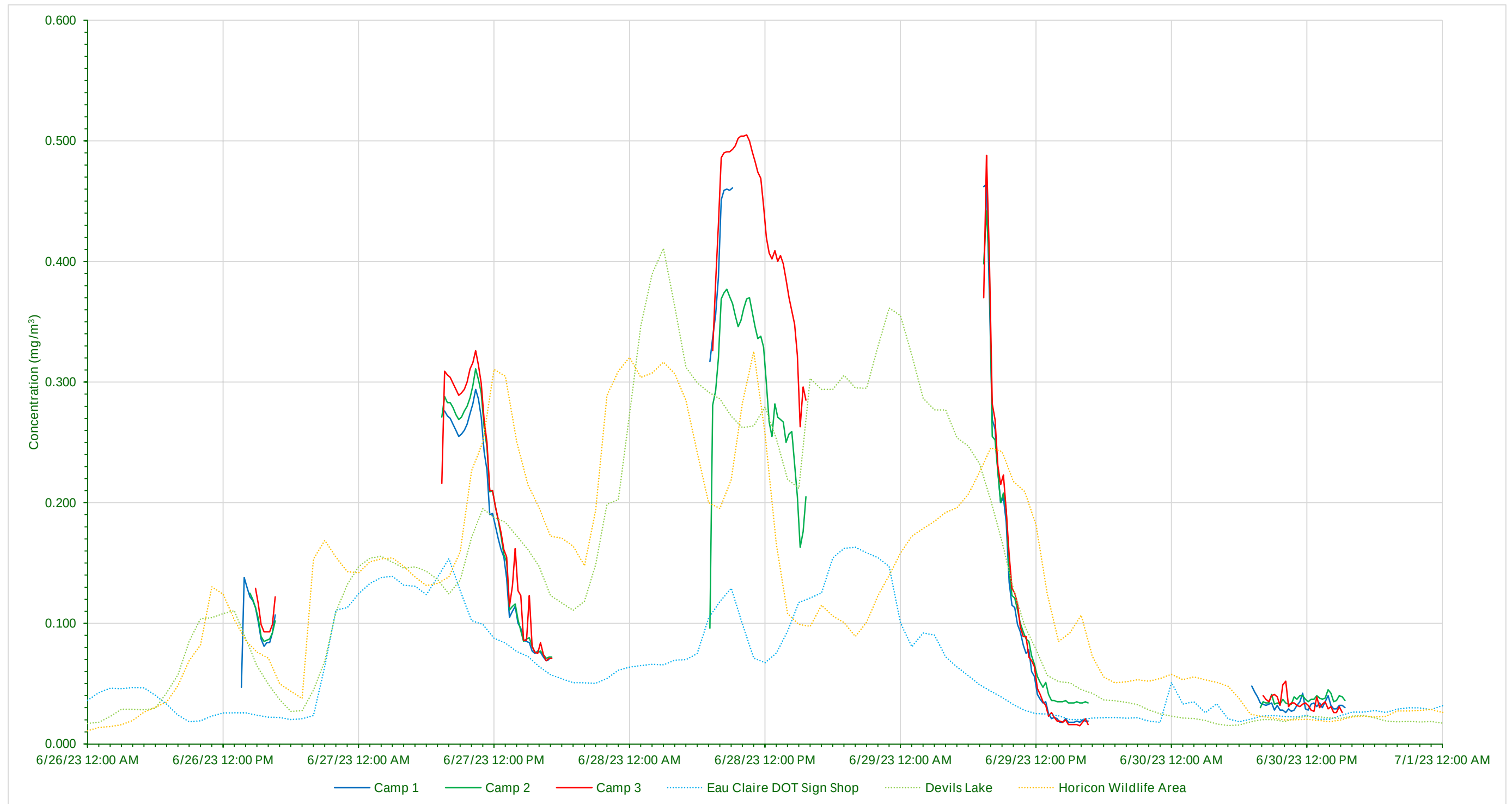
Camp 1 is located north-northeast (↗) of excavation area.
 Camp 2 is located southeast (↘) of excavation area.
 Camp 3 is located south-southwest (↙) of excavation area.

Responsive. Efficient. Innovative.

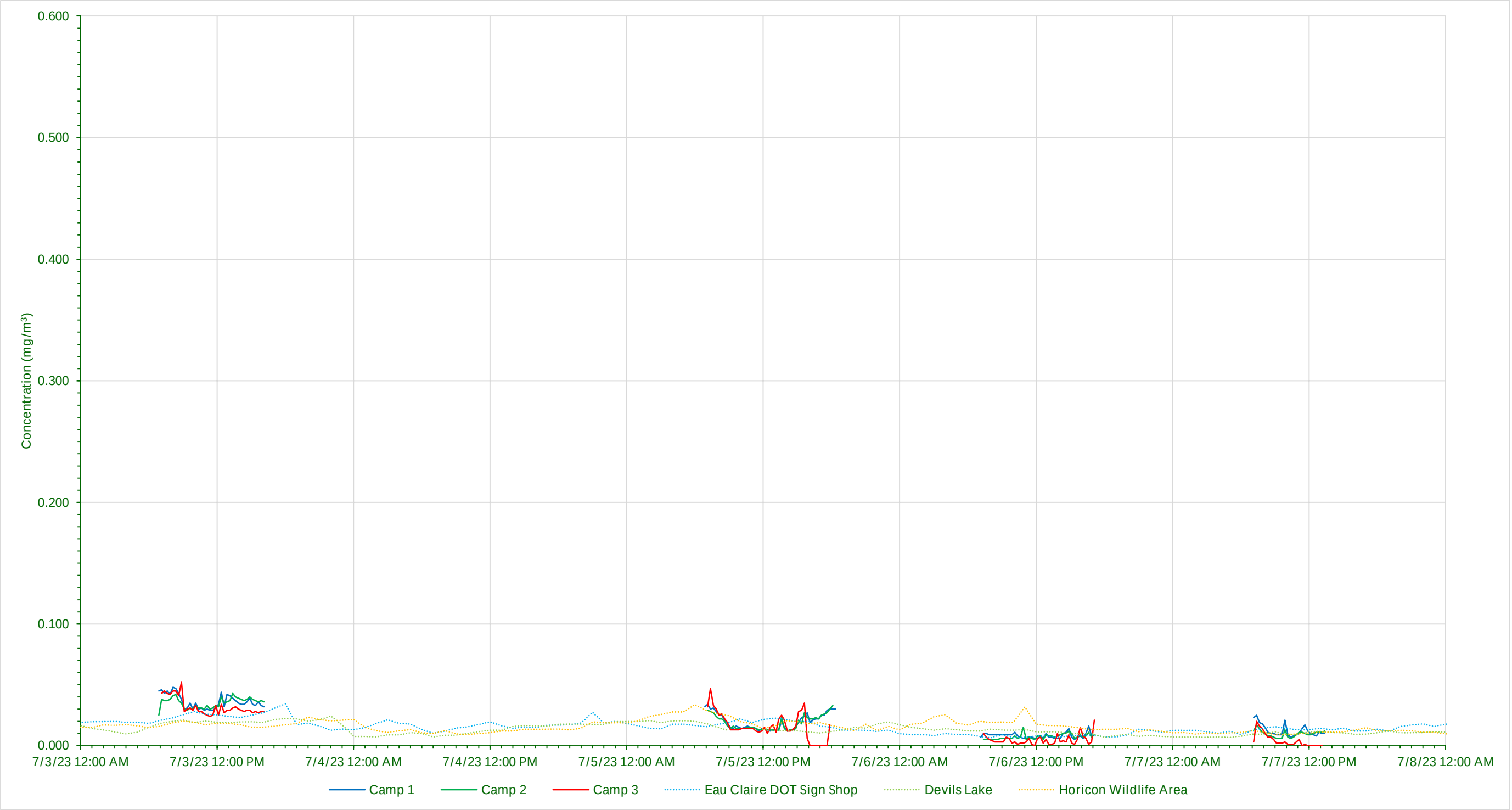
Graph 2a
Regional Air Monitoring Results
June 26, 2023 through July 28, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



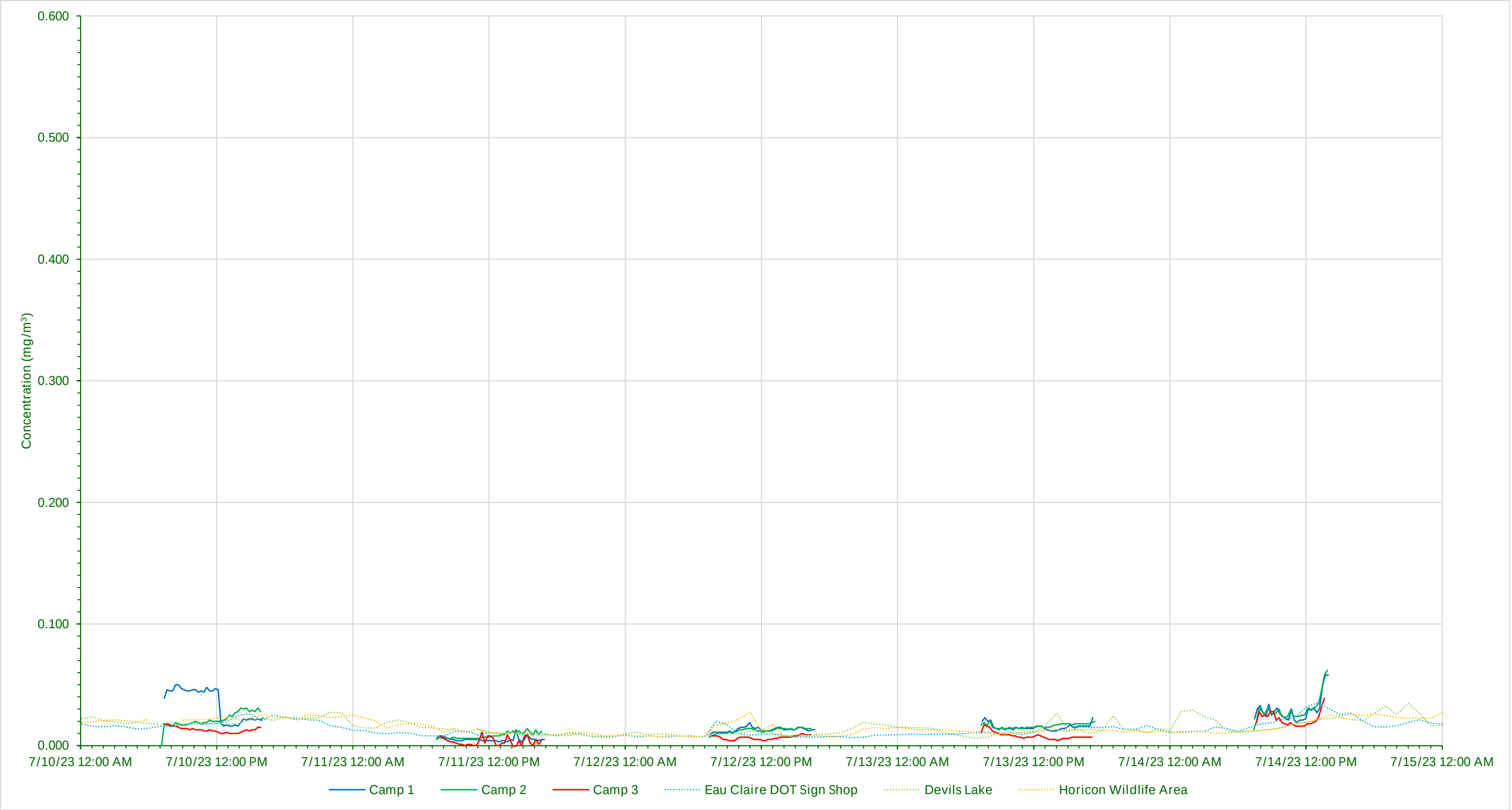
Graph 2b
Regional Air Monitoring Results
June 26, 2023 through June 30, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



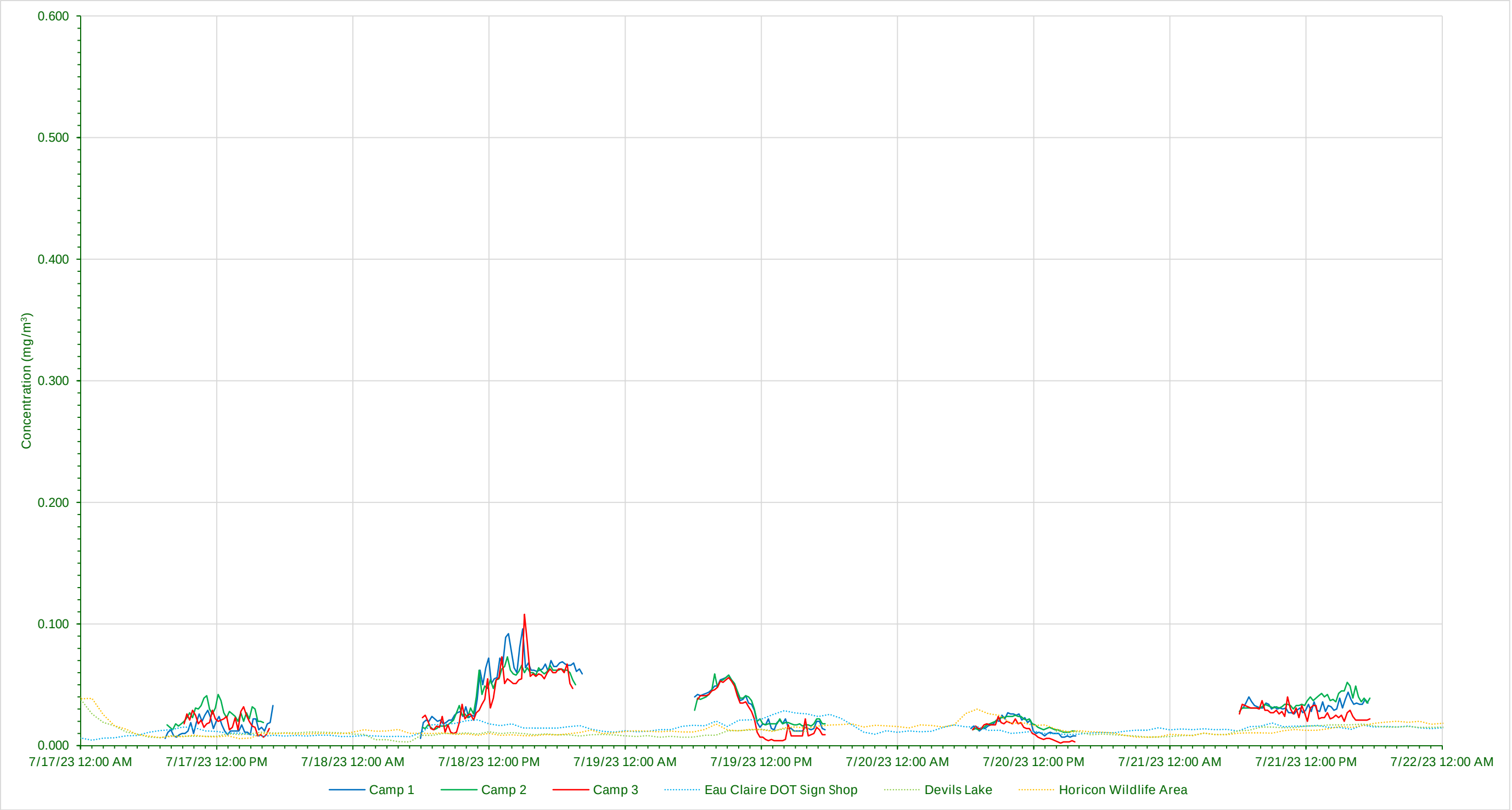
Graph 2c
Regional Air Monitoring Results
July 3, 2023 through July 7, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



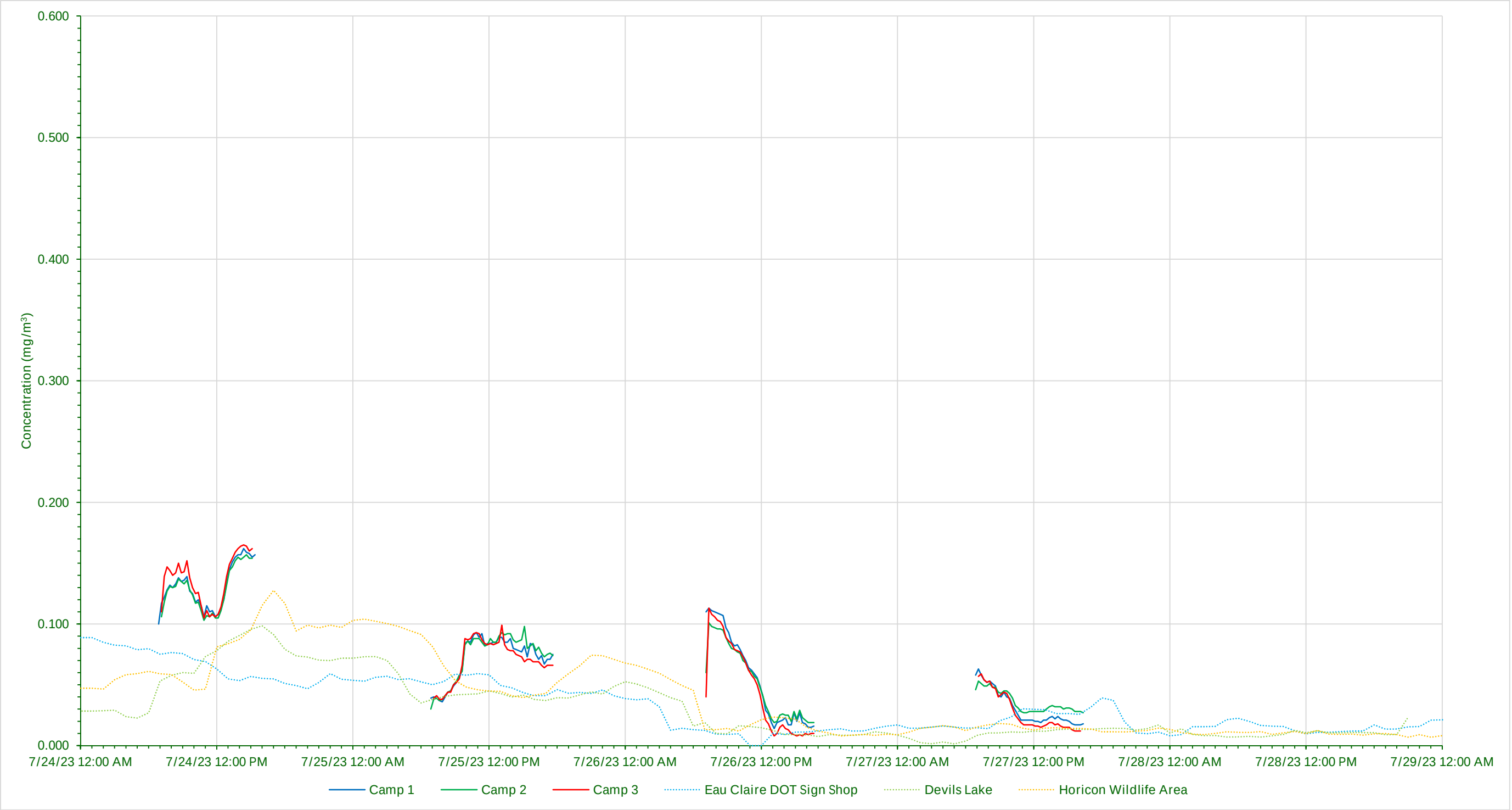
Graph 2d
Regional Air Monitoring Results
July 10, 2023 through July 14, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



Graph 2e
Regional Air Monitoring Results
July 17, 2023 through July 21, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



Graph 2f
Regional Air Monitoring Results
July 24, 2023 through July 28, 2023
Riverside Rail Corridor
132 River Street
Wausau, WI 54403
BRTS#: 02-37-584785



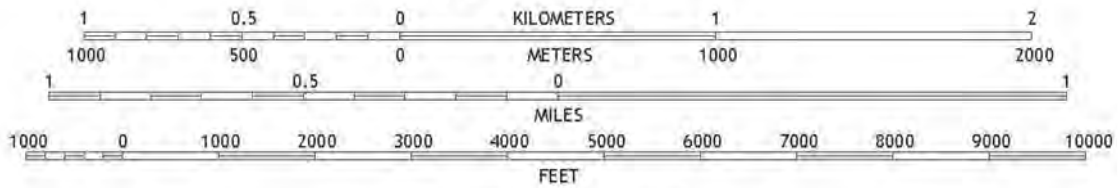
FIGURES



DRAWING FILE: P:\9000-9099\9073 - CITY OF WAUSAU RIVERSIDE RR CORRIDOR\DWGS\9073-VICN.DWG LAYOUT: RR CORRIDOR PLOTTED: JAN 15, 2024 - 9:29AM PLOTTED BY: MATTTM



SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988



WAUSAU WEST QUADRANGLE
WISCONSIN - MARATHON COUNTY
7.5-MINUTE SERIES



UTM GRID AND 2019 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

WAUSAU WEST, WI
2018

REI ENGINEERING, INC.

RIVERSIDE RAILROAD CORRIDOR
132 RIVER STREET
WAUSAU, WI



FIGURE 1 : LOCATION MAP

PROJECT NO.
9073

DRAWN BY:
MCM

DATE:
1/15/2024

DRAWING FILE: P:\9000-9099\9073 - CITY OF WAUSAU RIVERSIDE RR CORRIDOR\DWGS\9073-DETAILED SITE.DWG LAYOUT: SITE (24X36) PLOTTED: JAN 09, 2024 - 1:32PM PLOTTED BY: MATTM



DRAWING FILE: P:\9000-9099\9073 - CITY OF WAUSAU RIVERSIDE RR CORRIDOR\dwgs\9073-DETAILED SITE.DWG LAYOUT: RR CLOSEUP PLOTTED: JAN 15, 2024 - 9:30AM PLOTTED BY: MATTM



DRAWING FILE: P:\9000-9099\9073 - CITY OF WAUSAU RIVERSIDE RR CORRIDOR\dwgs\9073-DETAILED SITE.DWG LAYOUT: PARK CLOSEUP PLOTTED: JAN 09, 2024 - 1:35PM PLOTTED BY: MATTM



DRAWING FILE: P:\9000-9099\9073 - CITY OF WAUSAU RIVERSIDE RR CORRIDOR\DWGS\9073-DETAILED SITE.DWG LAYOUT: PARK CULVERT CLOSEUP PLOTTED: JAN 09, 2024 - 1:39PM PLOTTED BY: MATTM



CAMP 1 WEATHER STATION

REI TRAILER

CULVERT (FORMER)

CAMP 2

LEGEND

0 30
SCALE: 1" = 30'

△ SOIL SAMPLE - EXCAVATION SAMPLE
- REI ENGINEERING, INC

○ UTILITY POLE

EXCAVATION TO 1 FOOT BLS
EXCAVATION TO 4 FEET BLS
TEMPORARY SAFETY FENCING (REMOVED)

OVERHEAD UTILITIES
SANITARY SEWER LINE
ABANDONED RAILROAD TRACKS (REMOVED)
PROPERTY BOUNDARIES (APPROXIMATE)

NOTES:
1. NOT ALL SAMPLE LOCATIONS ARE IDENTIFIED ON THIS MAP. ALL AVAILABLE SAMPLE LOCATIONS ARE DEPICTED ON THE EXPANDED DETAILED SITE MAP UNLESS NOTED.

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

RIVERSIDE RAILROAD CORRIDOR
132 RIVER STREET
WAUSAU, WISCONSIN

FIGURE 6 : SOIL EXCAVATIONS (2023)

PROJECT No.	DRAWN BY:	DATE:
9073	MCM	1/9/2024

REI Engineering, INC.

REI TRAILER-

CAMP 2

EXCAVATION TO 1 FOOT BLS _____
EXCAVATION TO 4 FEET BLS _____
TEMPORARY SAFETY FENCING (REMOVED)

OVERHEAD UTILITIES
SANITARY SEWER LINE
ABANDONED RAILROAD TRACKS (REMOVED)
PROPERTY BOUNDARIES (APPROXIMATE)

NOTES:
I. NOT ALL SAMPLE LOCATIONS ARE IDENTIFIED ON THIS MAP. ALL AVAILABLE SAMPLE LOCATIONS ARE DEPICTED ON THE EXPANDED DETAILED SITE MAP UNLESS NOTED.



FIGURE 6 : SOIL EXCAVATIONS (2023)

PROJECT No.
9073

DRAWN BY:
MCM

DATE:
1/9/2024

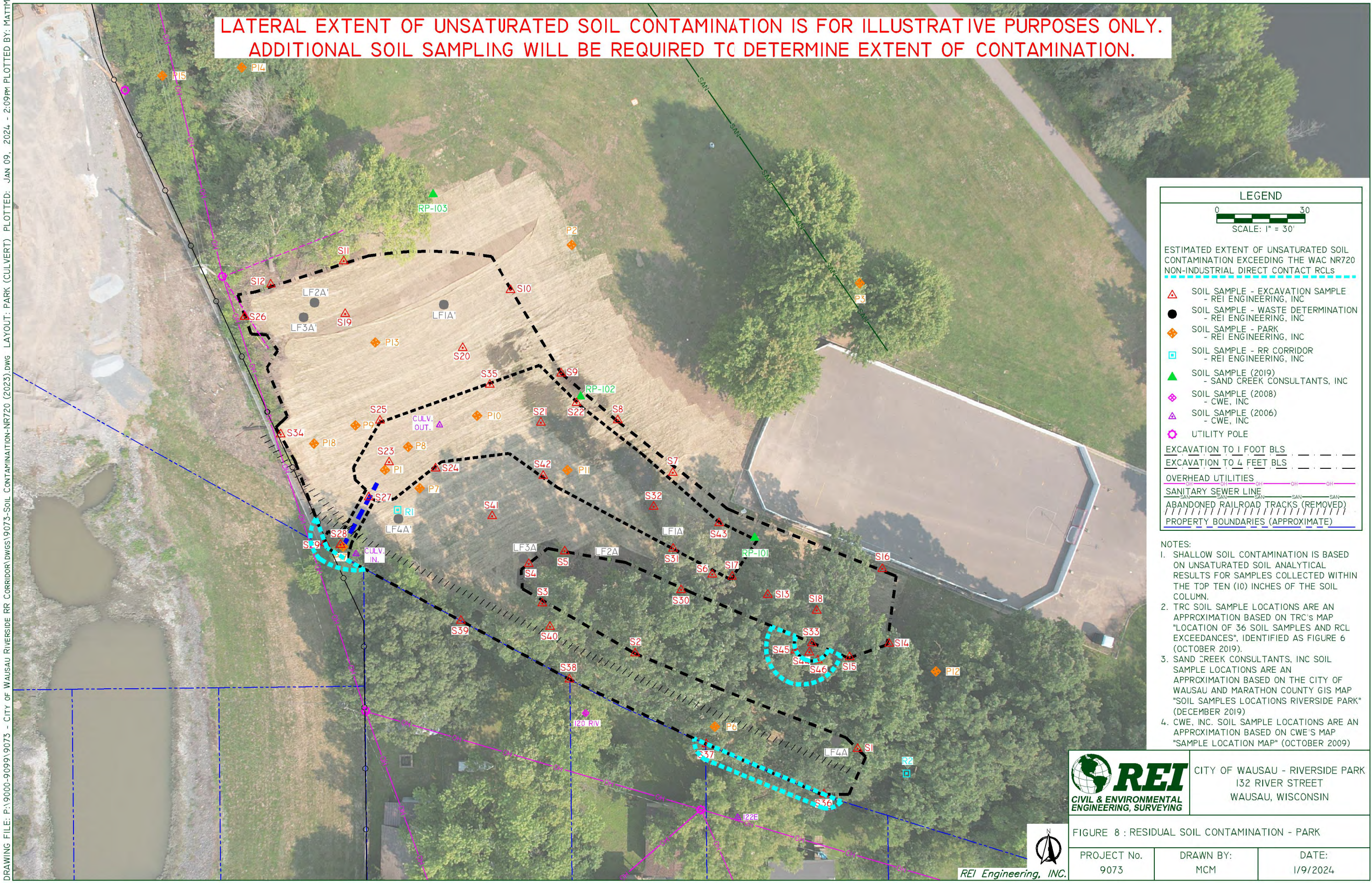


REI Engineering, INC.

DRAWING FILE: P:\9000-9099\9073 - CITY OF WAUSAU RIVERSIDE RR CORRIDOR\DWGS\9073-Soil CONTAMINATION-NR720 (2023).DWG LAYOUT: SITE (24X36) PLOTTED: JAN 09, 2024 - 2:09PM PLOTTED BY: MATTM



DRAWING FILE: P:\9000-9099\9073 - CITY OF WAUSAU RIVERSIDE RR CORRIDOR\DWGS\9073- SOIL CONTAMINATION-NR720 (2023).DWG LAYOUT: PARK (CULVERT) PLOTTED: JAN 09, 2024 - 2:09PM PLOTTED BY: MATTHEW



CITY OF WAUSAU - RIVERSIDE PARK
132 RIVER STREET
WAUSAU, WISCONSIN

FIGURE 8 : RESIDUAL SOIL CONTAMINATION - PARK

PROJECT No. 9073	DRAWN BY: MCM	DATE: 1/9/2024
---------------------	------------------	-------------------

APPENDIX A

PHOTOGRAPHS





Pre-excavation Sidewall Sampling: S1 (9/13/2022)



Pre-excavation Sidewall Sampling: S2 (9/13/2022)



Pre-excavation Sidewall Sampling: S3 (9/13/2022)



Pre-excavation Sidewall Sampling: S4 (9/13/2022)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Pre-excavation Sidewall Sampling: S5 (9/13/2022)



Pre-excavation Sidewall Sampling: S6 (9/13/2022)



Pre-excavation Sidewall Sampling: S7 (9/13/2022)



Pre-excavation Sidewall Sampling: S8 (9/13/2022)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Pre-excavation Sidewall Sampling: S9 (9/13/2022)



Pre-excavation Sidewall Sampling: S10 (9/13/2022)



Pre-excavation Sidewall Sampling: S11 (9/13/2022)



Pre-excavation Sidewall Sampling: S12 (9/13/2022)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Pre-excavation Sidewall Sampling: S13 (10/20/2022)



Pre-excavation Sidewall Sampling: S14 (11/28/2022)



Pre-excavation Sidewall Sampling: S15 (11/28/2022)



Pre-excavation Sidewall Sampling: S16 (11/28/2022)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Pre-excavation Sidewall Sampling: S17 (11/28/2022)



Pre-excavation Sidewall Sampling: S18 (11/28/2022)



Camp 1 Air Monitoring Station and Weather Station
(6/26/2023)



Camp 2 Air Monitoring Station (6/26/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Camp 3 Air Monitoring Station (6/26/2023)



Site Preparations - Start of Vegetation Removal (7/5/2023)



Site Preparations - Safety Fence Installation (7/5/2023)



Site Preparations - Safety Fence Installation (7/5/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Site Preparations - Access through Bike Polo Court
(7/5/2023)



Site Preparations - Vegetation Removal (7/5/2023)



Site Preparations - Tree Contacting Overhead Utility Lines
(7/5/2023)



Site Preparations - Vegetation Removal (7/6/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Site Preparations - Tree Contacting Overhead Utility Lines
(7/6/2023)



Site Preparations - Vegetation Removal (7/6/2023)



Site Preparations - Silt Fence Installation (7/13/2023)



Site Preparations - Silt Fence Installation (7/13/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Site Preparations - Vegetation Removal (7/14/2023)



Site Preparations - Vegetation Removal (7/14/2023)



Gravel installed for protection of concrete curb (7/17/2023)



Start of soil excavation (7/17/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Ongoing Soil Excavation (7/17/2023)



Ongoing Soil Excavation (7/18/2023)



Ongoing Soil Excavation (7/18/2023)



Excavation Base Soil Sample: S19 (7/18/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation Base Soil Sample: S20 (7/18/2023)



Excavation Base Soil Sample: S21 (7/18/2023)



Excavation Sidewall & Base Soil Sample: S22 (7/18/2023)



Excavation Base Soil Sample: S23 (7/18/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation at culvert discharge (7/18/2023)



Ongoing soil excavation (7/18/2023)



Removed railroad track (7/18/2023)



Excavation Sidewall & Base Soil Sample: S24 (7/18/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation Sidewall & Base Soil Sample: S25 (7/18/2023)



Culvert removed from the site (7/18/2023)



Excavation Sidewall Soil Sample: S26 (7/18/2023)



Excavation Base Soil Sample: S27 (7/18/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Ongoing soil excavation (7/18/2023)



Ongoing soil excavation (7/18/2023)



Former Railroad track after removal (7/18/2023)



Former Railroad track after removal (7/18/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Installation of borrow material on completed northern portion of excavation (7/18/2023)



Ongoing soil excavation (7/19/2023)



Photo Description



Excavation limited due to guide wire for utility pole (7/19/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation along removed railroad tracks (7/19/2023)



Excavation Base Soil Sample: S28 (7/19/2023)



Excavation Sidewall Soil Sample: S29 (7/19/2023)



Excavation Sidewall Soil Sample: S30 (7/19/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation Sidewall & Base Soil Sample: S31 (7/19/2023)



Excavation Base Soil Sample: S32 (7/19/2023)



Excavation Sidewall Soil Sample: S33 (7/19/2023)



Excavation Sidewall Soil Sample: S34 (7/19/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation Sidewall Sample: S36 (7/19/2023)



Yard waste and ash in area of soil sample S36 (7/19/2023)



Excavation Sidewall Sample: S37 (7/19/2023)



Excavation Sidewall Sample: S38 (7/19/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation Sidewall Sample: S39 (7/19/2023)



Excavation Base Sample: S40 (7/19/2023)



Ongoing soil excavation and backfilling (7/20/2023)



Ongoing soil excavation and backfilling (7/20/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Ongoing soil excavation and backfilling (7/20/2023)



Excavation Base Soil Sample: S41 (7/20/2023)



Excavation Sidewall & Base Soil Sample: S42 (7/20/2023)



Ongoing soil excavation and backfilling (7/20/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Ongoing soil excavation and backfilling (7/20/2023)



Ongoing soil excavation and backfilling (7/20/2023)



Ongoing soil excavation and backfilling (7/20/2023)



Ongoing soil excavation and backfilling (7/20/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation Sidewall & Base Soil Sample: S43 (7/21/2023)



Ongoing soil excavation and backfilling (7/21/2023)



Ongoing soil excavation and backfilling (7/21/2023)



Last truck load departing excavation area (7/21/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Ongoing backfilling of excavation (7/21/2023)



Ongoing backfilling of excavation (7/21/2023)



Ongoing backfilling of excavation (7/25/2023)



Ongoing backfilling of excavation (7/25/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Ongoing backfilling of excavation (7/25/2023)



Site restoration: Seeded and erosion control mat installed
(8/2/2023)



Site restoration: Seeded and erosion control mat installed
(8/2/2023)



Site restoration: Seeded and erosion control mat installed
(8/2/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Site restoration: Seeded and erosion control mat installed
(8/2/2023)



Site restoration: Seeded and erosion control mat installed
(8/2/2023)



Limited soil excavation completed in area of soil sample S33
(10/12/2023)



Limited soil excavation completed in area of soil sample S33
(10/12/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation Base Soil Sample: S44 (10/12/2023)



Excavation Base Soil Sample: S44 (10/12/2023)



Excavation Sidewall Soil Sample: S45 (10/12/2023)



Excavation Sidewall Soil Sample: S45 (10/12/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation Sidewall Soil Sample: S46 (10/12/2023)



Excavation Sidewall Soil Sample: S46 (10/12/2023)



Backfilling soil excavation (10/12/2023)



Backfilled soil excavation (10/12/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073



Excavation backfilled, seeded, and erosion control mat installed (10/12/2023)



Vegetation regrowth progress in area of July 2023 soil excavation (10/12/2023)



Vegetation regrowth progress in area of July 2023 soil excavation (10/12/2023)



Vegetation regrowth progress in area of July 2023 soil excavation (10/12/2023)

Excavation Documentation Report - Riverside Rail Corridor	Photographs
132 River Street, Wausau, WI 54401 - BRRTS# 02-37-584785	REI No. 9073

APPENDIX B

METHOD & PROCEDURES



METHODS AND PROCEDURES FOR HAND SAMPLING (SOIL SURFACE)

Sample Collection

Clean decontaminated shovels and hand tools are utilized for sample collected. A spade shovel is utilized to remove any surface vegetation and root zone. Once vegetation or decaying vegetative material is removed overlying soils are removed to the top of the sample interval. A stainless-steel hand trowel is utilized to loosen soils within the sample interval prior to sample collection. Soil samples are placed in laboratory prepared glass containers and placed directly into a cooler pending delivery to the laboratory. Nitrile gloves were worn during all sample collection procedures.

As the samples are obtained in the field, they are visually and manually classified by the field geologist/technician in accordance with ASTM: D2488-17e1. Soil descriptions are completed with the depth and identification of the various strata, water level information, and pertinent information regarding the method of collection.

Chain of Custody

Upon completion of a sample, a chain of custody log is initiated. The chain of custody record included the following information: project name, work order number, shipped by, shipped to, sampling point, location, field ID number, date and time taken, sample type, number of containers, analysis required, sampler(s) signature(s), etc. As few people as possible handled the samples.

Decontamination

Prior to decontamination, excess soils are removed. Equipment is then placed in a clean 5-gallon plastic bucket containing a mixture of deionized water and Liquinox® prepared according to the manufacturer's instructions. The equipment is scrubbed with a clean nylon brush with special care taken to clean all areas which contact soils during hand sampling. Equipment is then rinsed in a separate clean 5-gallon buck containing deionized water to remove any remaining cleaning solution. Finally, the equipment is rinsed with deionized water and the rinse water is captured in a third 5-gallon bucket. Decontaminated equipment is allowed to air dry prior to additional sampling use.

Water utilized to decontaminate equipment is containerized in 55-gallon steel DOT approved drums and temporarily stored at REI's facility until disposal.

APPENDIX C

**WASTE DISPOSAL DOCUMENTATION – DECONTAMINATION
WATER**





REI Water Disposal

Discharge to Wausau Waste Water Treatment Plant (WWTP) under the August 8, 2007 discharge agreement between the City of Wausau and REI Engineering, Inc.

Project Number:	9073
Project Name:	Riverside Rail Corridor
Disposed of Material:	Purge Water
Disposal Location:	Wausau WWTP
Name of Waste Hauler:	REI Engineering, Inc.
Quantity of Water Discharged:	15

Sum of Volume(gallons)		JobNumber
DisposalLocation	DateOut	9073
WWTP		
	7/27/2023	15
WWTP Total		15

APPENDIX D

MARATHON COUNTY LANDFILL DISPOSAL AUTHORIZATION





marathoncountysolidwaste.org
 [marathoncountysolidwaste](https://www.facebook.com/marathoncountysolidwaste)

Marathon County Solid Waste Department

R18500 E. Hwy 29
Ringle, WI 54471

Director:
Operations Manager:
Administrative Office:
Scale
Solid Waste & Recycling Info Line

715-446-3101 X104
715-551-5864
715-446-3101 X100
715-446-3101 X103
877-270-3989 toll-free

SPECIAL WASTE PROFILE FORM

Information utilized for completion of this form must originate from the generator or an authorized representative of the generator of the waste material. The information on this form must be COMPLETE, LEGIBLE, and the form must be SIGNED. The Marathon County Solid Waste Department reserve the right to reject any application or any waste material it deems is not in the best interest of the county to accept or dispose of.

Note: MSDS, if available, shall be attached. **Note:** Lab analyses, if required, shall be attached.

Section A-Generator Information

1. Generator Name City of Wausau
2. Generator Mailing Address (street, PO Box, city, state & Zip):
407 Grant Street
Wausau, WI 54403
3. Facility Address (physical address of site of waste generation):
132 River Street
Wausau, WI 54401
4. General Contact Person & Phone Number:
Eric Lindman (City of Wausau) (715) 261-6740
5. Technical/Environmental Contact Person & Phone Number (If applicable):
Matthew C. Michalski (REI Engineering, Inc) (715) 675-9784

Section B- Waste Stream Information

1. Name of Waste: Contaminated Soil, Railroad Ties, and Root Mass (Dioxins/Furans)
2. Process Generating Waste (Attach additional sheets if necessary): Remedial Soil Excavation
3. Waste Color: Brown to Dark Brown
4. Waste Odor (Check One): ☒ None ☐ Mild ☐ Strong
5. Physical State @ 70°F (Check One): ☒ Solid ☐ Liquid ☐ Semi-solid ☐ Other (Please specify other): _____
6. Free Liquids (Check One): ☐ Yes ☐ % Free Liquids ☒ No
7. Waste Composition

	Approximate percentage
<u>Unsaturated Soil</u>	<u>90-95</u> %
<u>Railroad ties & Root Mass</u>	<u>5-10</u> %
_____	_____ %
_____	_____ %

8. Name of Certified Lab Performing Analyses:

Pace Analytical – Green Bay, WI

9. Date of Analyses: Collected: 9/13/2022 Report: 9/27/2022

Part C-Delivery Information

1. Method of Delivery: Drum Packer Truck X Dump Truck

Roll-Off Vacuum Truck Semi-trailer Other

2. Waste Quantity (If in cubic yards, then provide approx. density): ~1,000 cu yd (~1,600 tons)

3. Disposal Need: One-time X Project On-going

a. Frequency/length of project or on-going disposal need (number of loads per day/week/month): Summer 2023, Exact dates to be determined, hauling of material for disposal expected to be completed in a 1-2 week period.

4. Hauler(s) Name, Address & Waste Hauling License Number:

To be determined, will be provided once contractor selected.

Part D-Generator Certification

By signing this application, the generator certifies that:

1. The waste identified in this form is not a hazardous waste as defined by USEPA or state regulations.
2. The waste does not contain regulated concentrations of PCBs.
3. The waste does not contain regulated concentrations of any of the following: Chlordane, Endrin, Heptachlor, Lindane, Methoxychlor, Toxaphene, or 2,4,5-TP (Silvex).
4. The waste does not contain any regulated concentrations of halogenated compounds, such as tetrachloroethylene, trichloroethylene, carbon tetrachloride, chloroform, 1,1-dichloroethylene, etc.
5. This sheet and the attachments contain true and accurate descriptions of the waste material. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.
6. The analytical data presented herein or attached hereto were derived from testing a representative sample of the waste material.
7. If any changes occur in the character of the waste, the generator shall notify the Marathon County Solid Waste Department prior to delivering waste to the disposal facility.

Signature: Eric Lindman

Name (Type or Print): ERIC LINDMAN

Title: DIRECTOR

Date: 2-23-23

For office use: Approved X Not Approved Approved with Conditions:

Conditions:

Special Disposal Requirements:

Authorized signature: David Hagenbucher

David Hagenbucher - Solid Waste Director

Date: 03/20/23

APPENDIX E

AIR MONITORING & WEATHER STATION DATA



Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 1	6/26/2023	14:30:00 - 14:45:00	0.047	-111111.067	0.042	0.039	10	0
REI CAMP 1	6/26/2023	14:45:00 - 15:00:00	0.138	-16666.525	0.139	0.129	294.217	0
REI CAMP 1	6/26/2023	15:00:00 - 15:15:00	0.13		0.139	0.133	500.917	0
REI CAMP 1	6/26/2023	15:15:00 - 15:30:00	0.122		0.134	0.126	813.817	0.002
REI CAMP 1	6/26/2023	15:30:00 - 15:45:00	0.119		0.134	0.123	1714.755	0.007
REI CAMP 1	6/26/2023	15:45:00 - 16:00:00	0.113		0.134	0.121	2613.667	0.011
REI CAMP 1	6/26/2023	16:00:00 - 16:15:00	0.101		0.134	0.117	3513.517	0.014
REI CAMP 1	6/26/2023	16:15:00 - 16:30:00	0.087		0.134	0.113	4413.25	0.017
REI CAMP 1	6/26/2023	16:30:00 - 16:45:00	0.081		0.1	0.091	1846.976	0.006
REI CAMP 1	6/26/2023	16:45:00 - 17:00:00	0.084		0.085	0.083	918.143	0.002
REI CAMP 1	6/26/2023	17:00:00 - 17:15:00	0.084		0.086	0.083	1843.767	0.005
REI CAMP 1	6/26/2023	17:15:00 - 17:30:00	0.092		0.093	0.084	2743.583	0.008
REI CAMP 1	6/26/2023	17:30:00 - 17:45:00	0.107		0.107	0.086	3276	0.01
REI CAMP 1	6/27/2023	08:30:00 - 08:45:00	0.276	-18518.234	0.279	0.27	404.5	0
REI CAMP 1	6/27/2023	08:45:00 - 09:00:00	0.272		0.29	0.275	1259.5	0.011
REI CAMP 1	6/27/2023	09:00:00 - 09:15:00	0.27		0.29	0.273	2159.5	0.02
REI CAMP 1	6/27/2023	09:15:00 - 09:30:00	0.265		0.29	0.272	3059.5	0.029
REI CAMP 1	6/27/2023	09:30:00 - 09:45:00	0.26		0.29	0.269	3958.933	0.037
REI CAMP 1	6/27/2023	09:45:00 - 10:00:00	0.255		0.29	0.267	4858.617	0.045
REI CAMP 1	6/27/2023	10:00:00 - 10:15:00	0.257		0.29	0.265	5758.517	0.053
REI CAMP 1	6/27/2023	10:15:00 - 10:30:00	0.26		0.29	0.264	6658.5	0.061
REI CAMP 1	6/27/2023	10:30:00 - 10:45:00	0.265		0.29	0.264	7559.4	0.069
REI CAMP 1	6/27/2023	10:45:00 - 11:00:00	0.274		0.29	0.265	8459.5	0.078
REI CAMP 1	6/27/2023	11:00:00 - 11:15:00	0.282		0.29	0.266	9359.417	0.086
REI CAMP 1	6/27/2023	11:15:00 - 11:30:00	0.294		0.3	0.268	10259.2	0.095
REI CAMP 1	6/27/2023	11:30:00 - 11:45:00	0.286		0.306	0.27	11159.417	0.105
REI CAMP 1	6/27/2023	11:45:00 - 12:00:00	0.271		0.306	0.271	12059.333	0.113
REI CAMP 1	6/27/2023	12:00:00 - 12:15:00	0.242		0.306	0.27	12959.067	0.121
REI CAMP 1	6/27/2023	12:15:00 - 12:30:00	0.227		0.306	0.267	13858.95	0.129
REI CAMP 1	6/27/2023	12:30:00 - 12:45:00	0.19		0.306	0.264	14758.5	0.135
REI CAMP 1	6/27/2023	12:45:00 - 13:00:00	0.191		0.306	0.26	15658.217	0.141
REI CAMP 1	6/27/2023	13:00:00 - 13:15:00	0.181		0.306	0.256	16558	0.147
REI CAMP 1	6/27/2023	13:15:00 - 13:30:00	0.17		0.306	0.251	17457.883	0.152
REI CAMP 1	6/27/2023	13:30:00 - 13:45:00	0.161		0.306	0.247	18358.367	0.158
REI CAMP 1	6/27/2023	13:45:00 - 14:00:00	0.155		0.306	0.243	19258.267	0.162
REI CAMP 1	6/27/2023	14:00:00 - 14:15:00	0.137		0.306	0.239	20158.017	0.167
REI CAMP 1	6/27/2023	14:15:00 - 14:30:00	0.105		0.306	0.233	21057.883	0.171
REI CAMP 1	6/27/2023	14:30:00 - 14:45:00	0.11		0.306	0.228	21958.433	0.174
REI CAMP 1	6/27/2023	14:45:00 - 15:00:00	0.114		0.306	0.224	22858.35	0.178
REI CAMP 1	6/27/2023	15:00:00 - 15:15:00	0.1		0.306	0.219	23758.067	0.181
REI CAMP 1	6/27/2023	15:15:00 - 15:30:00	0.096		0.306	0.215	24657.867	0.184
REI CAMP 1	6/27/2023	15:30:00 - 15:45:00	0.086		0.306	0.211	25558.4	0.187
REI CAMP 1	6/27/2023	15:45:00 - 16:00:00	0.085		0.306	0.206	26458.45	0.189
REI CAMP 1	6/27/2023	16:00:00 - 16:15:00	0.084		0.306	0.202	27358.25	0.192
REI CAMP 1	6/27/2023	16:15:00 - 16:30:00	0.077		0.306	0.198	28258	0.195
REI CAMP 1	6/27/2023	16:30:00 - 16:45:00	0.075		0.306	0.195	29157.533	0.196
REI CAMP 1	6/27/2023	16:45:00 - 17:00:00	0.077		0.306	0.191	30057.5	0.196
REI CAMP 1	6/27/2023	17:00:00 - 17:15:00	0.076		0.306	0.188	30957.5	0.196
REI CAMP 1	6/27/2023	17:15:00 - 17:30:00	0.072		0.306	0.185	31857.4	0.196
REI CAMP 1	6/27/2023	17:30:00 - 17:45:00	0.069		0.306	0.181	32757.6	0.196
REI CAMP 1	6/27/2023	17:45:00 - 18:00:00	0.07		0.306	0.179	33522.5	0.196
REI CAMP 1	6/28/2023	08:00:00 - 08:15:00	0.317		0.321	0.307	345.688	0
REI CAMP 1	6/28/2023	08:15:00 - 08:30:00	0.337		0.34	0.321	1035.6	0.009
REI CAMP 1	6/28/2023	08:30:00 - 08:45:00	0.356		0.361	0.332	1935.5	0.022
REI CAMP 1	6/28/2023	08:45:00 - 09:00:00	0.387		0.392	0.343	2835.5	0.034
REI CAMP 1	6/28/2023	09:00:00 - 09:15:00	0.451		0.454	0.362	3736	0.047
REI CAMP 1	6/28/2023	09:15:00 - 09:30:00	0.459		0.463	0.381	4636.2	0.061
REI CAMP 1	6/28/2023	09:30:00 - 09:45:00	0.46		0.464	0.393	5536.217	0.076
REI CAMP 1	6/28/2023	09:45:00 - 10:00:00	0.459		0.464	0.403	6436.317	0.09
REI CAMP 1	6/28/2023	10:00:00 - 10:15:00	0.461		0.464	0.409	7283.283	0.103
REI CAMP 1	6/29/2023	08:00:00 - 08:15:00	0	0	0	0	0	0
REI CAMP 1	6/29/2023	08:15:00 - 08:30:00	0.462	-16666.176	0.464	0.386	450.517	0.002
REI CAMP 1	6/29/2023	08:30:00 - 08:45:00	0.464		0.501	0.465	1350.5	0.022
REI CAMP 1	6/29/2023	08:45:00 - 09:00:00	0.376		0.501	0.456	2250.5	0.035
REI CAMP 1	6/29/2023	09:00:00 - 09:15:00	0.269		0.501	0.412	3150.5	0.045
REI CAMP 1	6/29/2023	09:15:00 - 09:30:00	0.261		0.501	0.38	4050.6	0.053
REI CAMP 1	6/29/2023	09:30:00 - 09:45:00	0.226		0.501	0.356	4950.517	0.061
REI CAMP 1	6/29/2023	09:45:00 - 10:00:00	0.2		0.501	0.333	5850.5	0.067
REI CAMP 1	6/29/2023	10:00:00 - 10:15:00	0.204		0.501	0.315	6750.5	0.074
REI CAMP 1	6/29/2023	10:15:00 - 10:30:00	0.184		0.501	0.302	7650.483	0.08
REI CAMP 1	6/29/2023	10:30:00 - 10:45:00	0.134		0.501	0.286	8550.4	0.085
REI CAMP 1	6/29/2023	10:45:00 - 11:00:00	0.115		0.501	0.271	9450.417	0.089
REI CAMP 1	6/29/2023	11:00:00 - 11:15:00	0.113		0.501	0.257	10350.5	0.092
REI CAMP 1	6/29/2023	11:15:00 - 11:30:00	0.099		0.501	0.245	11250.5	0.096
REI CAMP 1	6/29/2023	11:30:00 - 11:45:00	0.093		0.501	0.234	12150.5	0.099
REI CAMP 1	6/29/2023	11:45:00 - 12:00:00	0.082		0.501	0.224	13050.517	0.101
REI CAMP 1	6/29/2023	12:00:00 - 12:15:00	0.075		0.501	0.215	13950.5	0.104
REI CAMP 1	6/29/2023	12:15:00 - 12:30:00	0.078		0.501	0.206	14850.5	0.106
REI CAMP 1	6/29/2023	12:30:00 - 12:45:00	0.06		0.501	0.198	15750.5	0.108
REI CAMP 1	6/29/2023	12:45:00 - 13:00:00	0.056		0.501	0.191	16650.533	0.11
REI CAMP 1	6/29/2023	13:00:00 - 13:15:00	0.041		0.501	0.183	17550.5	0.112
REI CAMP 1	6/29/2023	13:15:00 - 13:30:00	0.037		0.501	0.176	18450.5	0.113
REI CAMP 1	6/29/2023	13:30:00 - 13:45:00	0.034		0.501	0.17	19350.5	0.114
REI CAMP 1	6/29/2023	13:45:00 - 14:00:00	0.035		0.501	0.164	20250.5	0.115
REI CAMP 1	6/29/2023	14:00:00 - 14:15:00	0.025		0.501	0.158	21150.5	0.116
REI CAMP 1	6/29/2023	14:15:00 - 14:30:00	0.021		0.501	0.153	22049.533	0.117
REI CAMP 1	6/29/2023	14:30:00 - 14:45:00	0.022		0.501	0.147	22949.5	0.117
REI CAMP 1	6/29/2023	14:45:00 - 15:00:00	0.021		0.501	0.143	23849.5	0.118
REI CAMP 1	6/29/2023	15:00:00 - 15:15:00	0.018		0.501	0.138	24749.517	0.119
REI CAMP 1	6/29/2023	15:15:00 - 15:30:00	0.018		0.501	0.134	25649.717	0.119
REI CAMP 1	6/29/2023	15:30:00 - 15:45:00	0.021		0.501	0.13	26549.617	0.12
REI CAMP 1	6/29/2023	15:45:00 - 16:00:00	0.018		0.501	0.127	27449.517	0.121
REI CAMP 1	6/29/2023	16:00:00 - 16:15:00	0.018		0.501	0.123	28349.5	0.121
REI CAMP 1	6/29/2023	16:15:00 - 16:30:00	0.018		0.501	0.12	29250.283	0.121

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 1	6/29/2023	16:30:00 - 16:45:00	0.019	0.501	0.117	0.017	30150.117	0.121
REI CAMP 1	6/29/2023	16:45:00 - 17:00:00	0.018	0.501	0.114	0.017	31050.017	0.121
REI CAMP 1	6/29/2023	17:00:00 - 17:15:00	0.02	0.501	0.111	0.017	32009.13	0.121
REI CAMP 1	6/29/2023	17:15:00 - 17:30:00	0.019	0.501	0.109	0.017	32839.317	0.121
REI CAMP 1	6/29/2023	17:30:00 - 17:45:00	0.019	0.501	0.107	0.017	33656.714	0.121
REI CAMP 1	6/30/2023	07:45:00 - 08:00:00	0.013	-333333.333	0	0	4.333	0
REI CAMP 1	6/30/2023	08:00:00 - 08:15:00	0.048	0.056	0.046	0.036	470.5	0
REI CAMP 1	6/30/2023	08:15:00 - 08:30:00	0.043	0.065	0.046	0.036	1370.5	0.002
REI CAMP 1	6/30/2023	08:30:00 - 08:45:00	0.039	0.065	0.044	0.036	2270.283	0.003
REI CAMP 1	6/30/2023	08:45:00 - 09:00:00	0.034	0.065	0.042	0.033	3170.217	0.005
REI CAMP 1	6/30/2023	09:00:00 - 09:15:00	0.033	0.065	0.04	0.031	4069.5	0.006
REI CAMP 1	6/30/2023	09:15:00 - 09:30:00	0.032	0.065	0.039	0.031	4969.5	0.007
REI CAMP 1	6/30/2023	09:30:00 - 09:45:00	0.033	0.065	0.038	0.029	5869.5	0.008
REI CAMP 1	6/30/2023	09:45:00 - 10:00:00	0.034	0.065	0.037	0.029	6769.5	0.009
REI CAMP 1	6/30/2023	10:00:00 - 10:15:00	0.028	0.065	0.037	0.026	7669.5	0.01
REI CAMP 1	6/30/2023	10:15:00 - 10:30:00	0.032	0.065	0.036	0.025	8569.5	0.011
REI CAMP 1	6/30/2023	10:30:00 - 10:45:00	0.028	0.065	0.035	0.024	9469.5	0.012
REI CAMP 1	6/30/2023	10:45:00 - 11:00:00	0.028	0.065	0.035	0.024	10369.5	0.012
REI CAMP 1	6/30/2023	11:00:00 - 11:15:00	0.026	0.065	0.034	0.024	11269.5	0.013
REI CAMP 1	6/30/2023	11:15:00 - 11:30:00	0.029	0.071	0.034	0.024	12169.5	0.014
REI CAMP 1	6/30/2023	11:30:00 - 11:45:00	0.027	0.073	0.033	0.022	13069.5	0.015
REI CAMP 1	6/30/2023	11:45:00 - 12:00:00	0.028	0.073	0.033	0.022	13969.5	0.016
REI CAMP 1	6/30/2023	12:00:00 - 12:15:00	0.032	0.073	0.033	0.022	14869.8	0.017
REI CAMP 1	6/30/2023	12:15:00 - 12:30:00	0.035	0.073	0.033	0.022	15769.683	0.018
REI CAMP 1	6/30/2023	12:30:00 - 12:45:00	0.042	0.075	0.033	0.022	16669.533	0.019
REI CAMP 1	6/30/2023	12:45:00 - 13:00:00	0.029	0.091	0.033	0.022	17569.5	0.02
REI CAMP 1	6/30/2023	13:00:00 - 13:15:00	0.028	0.091	0.033	0.022	18469.95	0.021
REI CAMP 1	6/30/2023	13:15:00 - 13:30:00	0.033	0.091	0.033	0.022	19369.85	0.022
REI CAMP 1	6/30/2023	13:30:00 - 13:45:00	0.034	0.091	0.033	0.022	20269.783	0.023
REI CAMP 1	6/30/2023	13:45:00 - 14:00:00	0.031	0.091	0.033	0.022	21169.567	0.024
REI CAMP 1	6/30/2023	14:00:00 - 14:15:00	0.034	0.091	0.033	0.022	22069.5	0.025
REI CAMP 1	6/30/2023	14:15:00 - 14:30:00	0.03	0.091	0.033	0.022	22969.417	0.026
REI CAMP 1	6/30/2023	14:30:00 - 14:45:00	0.035	0.091	0.033	0.022	23869.25	0.027
REI CAMP 1	6/30/2023	14:45:00 - 15:00:00	0.04	0.091	0.033	0.022	24769.15	0.028
REI CAMP 1	6/30/2023	15:00:00 - 15:15:00	0.032	0.091	0.033	0.022	25669.5	0.029
REI CAMP 1	6/30/2023	15:15:00 - 15:30:00	0.029	0.091	0.033	0.022	26569.5	0.03
REI CAMP 1	6/30/2023	15:30:00 - 15:45:00	0.029	0.091	0.033	0.022	27469.483	0.031
REI CAMP 1	6/30/2023	15:45:00 - 16:00:00	0.032	0.091	0.033	0.022	28369.383	0.032
REI CAMP 1	6/30/2023	16:00:00 - 16:15:00	0.032	0.091	0.033	0.022	29269.5	0.033
REI CAMP 1	6/30/2023	16:15:00 - 16:30:00	0.03	0.091	0.033	0.022	29952	0.033
REI CAMP 1	7/3/2023	07:45:00 - 08:00:00	0.045	-27777.733	0.043	0.034	252.778	0
REI CAMP 1	7/3/2023	08:00:00 - 08:15:00	0.046	0.049	0.046	0.036	972.5	0.001
REI CAMP 1	7/3/2023	08:15:00 - 08:30:00	0.043	0.049	0.045	0.036	1872.5	0.003
REI CAMP 1	7/3/2023	08:30:00 - 08:45:00	0.045	0.053	0.045	0.036	2772.5	0.004
REI CAMP 1	7/3/2023	08:45:00 - 09:00:00	0.042	0.055	0.045	0.036	3671.917	0.006
REI CAMP 1	7/3/2023	09:00:00 - 09:15:00	0.048	0.055	0.044	0.036	4571.5	0.007
REI CAMP 1	7/3/2023	09:15:00 - 09:30:00	0.047	0.056	0.045	0.036	5471.5	0.009
REI CAMP 1	7/3/2023	09:30:00 - 09:45:00	0.043	0.056	0.045	0.036	6371.5	0.01
REI CAMP 1	7/3/2023	09:45:00 - 10:00:00	0.038	0.056	0.045	0.036	7272.083	0.011
REI CAMP 1	7/3/2023	10:00:00 - 10:15:00	0.03	0.056	0.044	0.03	8172.4	0.012
REI CAMP 1	7/3/2023	10:15:00 - 10:30:00	0.031	0.056	0.042	0.027	9072.267	0.013
REI CAMP 1	7/3/2023	10:30:00 - 10:45:00	0.035	0.06	0.041	0.027	9972.183	0.014
REI CAMP 1	7/3/2023	10:45:00 - 11:00:00	0.03	0.067	0.041	0.027	10871.733	0.015
REI CAMP 1	7/3/2023	11:00:00 - 11:15:00	0.035	0.072	0.04	0.027	11771.5	0.016
REI CAMP 1	7/3/2023	11:15:00 - 11:30:00	0.03	0.078	0.04	0.027	12671.5	0.017
REI CAMP 1	7/3/2023	11:30:00 - 11:45:00	0.031	0.078	0.039	0.027	13571.5	0.018
REI CAMP 1	7/3/2023	11:45:00 - 12:00:00	0.029	0.078	0.038	0.027	14471.5	0.019
REI CAMP 1	7/3/2023	12:00:00 - 12:15:00	0.03	0.078	0.038	0.027	15371.5	0.02
REI CAMP 1	7/3/2023	12:15:00 - 12:30:00	0.029	0.078	0.037	0.026	16271.5	0.021
REI CAMP 1	7/3/2023	12:30:00 - 12:45:00	0.029	0.078	0.037	0.026	17171.5	0.022
REI CAMP 1	7/3/2023	12:45:00 - 13:00:00	0.031	0.078	0.037	0.026	18071.5	0.023
REI CAMP 1	7/3/2023	13:00:00 - 13:15:00	0.034	0.078	0.036	0.026	18971.5	0.024
REI CAMP 1	7/3/2023	13:15:00 - 13:30:00	0.044	0.12	0.037	0.026	19871.517	0.025
REI CAMP 1	7/3/2023	13:30:00 - 13:45:00	0.032	0.141	0.037	0.026	20771.5	0.026
REI CAMP 1	7/3/2023	13:45:00 - 14:00:00	0.042	0.142	0.036	0.026	21671.5	0.027
REI CAMP 1	7/3/2023	14:00:00 - 14:15:00	0.041	0.181	0.037	0.026	22571.5	0.029
REI CAMP 1	7/3/2023	14:15:00 - 14:30:00	0.039	0.181	0.037	0.026	23471.5	0.03
REI CAMP 1	7/3/2023	14:30:00 - 14:45:00	0.037	0.181	0.037	0.026	24371.5	0.031
REI CAMP 1	7/3/2023	14:45:00 - 15:00:00	0.035	0.181	0.037	0.026	25271.133	0.032
REI CAMP 1	7/3/2023	15:00:00 - 15:15:00	0.034	0.181	0.037	0.026	26170.833	0.034
REI CAMP 1	7/3/2023	15:15:00 - 15:30:00	0.034	0.181	0.037	0.026	27070.567	0.035
REI CAMP 1	7/3/2023	15:30:00 - 15:45:00	0.036	0.181	0.037	0.026	27970.5	0.036
REI CAMP 1	7/3/2023	15:45:00 - 16:00:00	0.039	0.181	0.037	0.026	28870.617	0.037
REI CAMP 1	7/3/2023	16:00:00 - 16:15:00	0.034	0.181	0.037	0.026	29770.65	0.037
REI CAMP 1	7/3/2023	16:15:00 - 16:30:00	0.033	0.181	0.037	0.026	30670.517	0.037
REI CAMP 1	7/3/2023	16:30:00 - 16:45:00	0.036	0.181	0.037	0.026	31570.5	0.037
REI CAMP 1	7/3/2023	16:45:00 - 17:00:00	0.033	0.181	0.037	0.026	32470.733	0.037
REI CAMP 1	7/3/2023	17:00:00 - 17:15:00	0.032	0.181	0.036	0.026	33168.964	0.037
REI CAMP 1	7/5/2023	07:45:00 - 08:00:00	0.032	-52631.549	0.028	0.022	118.105	0
REI CAMP 1	7/5/2023	08:00:00 - 08:15:00	0.034	0.037	0.035	0.026	709.5	0
REI CAMP 1	7/5/2023	08:15:00 - 08:30:00	0.03	0.041	0.033	0.026	1609.5	0.002
REI CAMP 1	7/5/2023	08:30:00 - 08:45:00	0.031	0.041	0.032	0.026	2509.5	0.003
REI CAMP 1	7/5/2023	08:45:00 - 09:00:00	0.028	0.041	0.032	0.026	3409.4	0.004
REI CAMP 1	7/5/2023	09:00:00 - 09:15:00	0.025	0.041	0.031	0.024	4308.983	0.005
REI CAMP 1	7/5/2023	09:15:00 - 09:30:00	0.025	0.041	0.03	0.024	5208.95	0.005
REI CAMP 1	7/5/2023	09:30:00 - 09:45:00	0.021	0.041	0.029	0.021	6108.9	0.006
REI CAMP 1	7/5/2023	09:45:00 - 10:00:00	0.018	0.041	0.028	0.018	7009.033	0.007
REI CAMP 1	7/5/2023	10:00:00 - 10:15:00	0.015	0.041	0.026	0.014	7909.4	0.007
REI CAMP 1	7/5/2023	10:15:00 - 10:30:00	0.014	0.041	0.025	0.013	8808.983	0.008
REI CAMP 1	7/5/2023	10:30:00 - 10:45:00	0.016	0.041	0.024	0.013	9708.967	0.008
REI CAMP 1	7/5/2023	10:45:00 - 11:00:00	0.015	0.041	0.023	0.013	10609.167	0.009
REI CAMP 1	7/5/2023	11:00:00 - 11:15:00	0.014	0.041	0.023	0.013	11509.5	0.009
REI CAMP 1	7/5/2023	11:15:00 - 11:30:00	0.015	0.041	0.022	0.013	12409.383	0.01
REI CAMP 1	7/5/2023	11:30:00 - 11:45:00	0.016	0.041	0.022	0.013	13309.35	0.01

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 1	7/5/2023	11:45:00 - 12:00:00	0.015	0.041	0.021	0.013	14209.217	0.01
REI CAMP 1	7/5/2023	12:00:00 - 12:15:00	0.015	0.041	0.021	0.013	15109.5	0.011
REI CAMP 1	7/5/2023	12:15:00 - 12:30:00	0.014	0.041	0.021	0.013	16009.5	0.011
REI CAMP 1	7/5/2023	12:30:00 - 12:45:00	0.012	0.041	0.02	0.011	16909.5	0.012
REI CAMP 1	7/5/2023	12:45:00 - 13:00:00	0.014	0.041	0.02	0.011	17809.5	0.012
REI CAMP 1	7/5/2023	13:00:00 - 13:15:00	0.014	0.041	0.019	0.011	18709.5	0.013
REI CAMP 1	7/5/2023	13:15:00 - 13:30:00	0.013	0.041	0.019	0.011	19609.5	0.013
REI CAMP 1	7/5/2023	13:30:00 - 13:45:00	0.012	0.041	0.019	0.011	20509.5	0.013
REI CAMP 1	7/5/2023	13:45:00 - 14:00:00	0.013	0.041	0.019	0.011	21409.217	0.014
REI CAMP 1	7/5/2023	14:00:00 - 14:15:00	0.012	0.041	0.018	0.011	22308.5	0.014
REI CAMP 1	7/5/2023	14:15:00 - 14:30:00	0.013	0.041	0.018	0.011	23208.5	0.015
REI CAMP 1	7/5/2023	14:30:00 - 14:45:00	0.02	0.045	0.018	0.011	24108.5	0.015
REI CAMP 1	7/5/2023	14:45:00 - 15:00:00	0.015	0.069	0.018	0.011	25008.517	0.016
REI CAMP 1	7/5/2023	15:00:00 - 15:15:00	0.012	0.069	0.018	0.011	25908.5	0.016
REI CAMP 1	7/5/2023	15:15:00 - 15:30:00	0.013	0.069	0.018	0.011	26808.5	0.016
REI CAMP 1	7/5/2023	15:30:00 - 15:45:00	0.013	0.069	0.018	0.011	27708.5	0.017
REI CAMP 1	7/5/2023	15:45:00 - 16:00:00	0.016	0.069	0.017	0.011	28608.7	0.017
REI CAMP 1	7/5/2023	16:00:00 - 16:15:00	0.019	0.069	0.017	0.011	29508.783	0.017
REI CAMP 1	7/5/2023	16:15:00 - 16:30:00	0.023	0.069	0.018	0.011	30408.767	0.017
REI CAMP 1	7/5/2023	16:30:00 - 16:45:00	0.024	0.069	0.018	0.011	31308.6	0.017
REI CAMP 1	7/5/2023	16:45:00 - 17:00:00	0.027	0.073	0.018	0.011	32208.55	0.017
REI CAMP 1	7/5/2023	17:00:00 - 17:15:00	0.019	0.083	0.018	0.011	33108.467	0.017
REI CAMP 1	7/5/2023	17:15:00 - 17:30:00	0.021	0.083	0.018	0.011	34008.25	0.017
REI CAMP 1	7/5/2023	17:30:00 - 17:45:00	0.022	0.083	0.018	0.011	34908.083	0.017
REI CAMP 1	7/5/2023	17:45:00 - 18:00:00	0.022	0.083	0.018	0.011	35808.083	0.017
REI CAMP 1	7/5/2023	18:00:00 - 18:15:00	0.025	0.083	0.018	0.011	36708.5	0.017
REI CAMP 1	7/5/2023	18:15:00 - 18:30:00	0.025	0.083	0.019	0.011	37608.5	0.017
REI CAMP 1	7/5/2023	18:30:00 - 18:45:00	0.029	0.083	0.019	0.011	38508.467	0.017
REI CAMP 1	7/5/2023	18:45:00 - 19:00:00	0.03	0.083	0.019	0.011	39408.433	0.017
REI CAMP 1	7/5/2023	19:00:00 - 19:15:00	0.03	0.083	0.019	0.011	40308.5	0.017
REI CAMP 1	7/5/2023	19:15:00 - 19:30:00	0.03	0.083	0.019	0.011	40901	0.017
REI CAMP 1	7/6/2023	08:00:00 - 08:15:00	0.007	0.009	0.008	0.007	232.692	0
REI CAMP 1	7/6/2023	08:15:00 - 08:30:00	0.01	0.011	0.009	0.007	779.5	0
REI CAMP 1	7/6/2023	08:30:00 - 08:45:00	0.01	0.012	0.009	0.007	1679.5	0.001
REI CAMP 1	7/6/2023	08:45:00 - 09:00:00	0.009	0.012	0.009	0.007	2579.5	0.001
REI CAMP 1	7/6/2023	09:00:00 - 09:15:00	0.009	0.012	0.009	0.007	3479.5	0.001
REI CAMP 1	7/6/2023	09:15:00 - 09:30:00	0.009	0.012	0.009	0.007	4379.5	0.001
REI CAMP 1	7/6/2023	09:30:00 - 09:45:00	0.009	0.012	0.009	0.006	5279.5	0.002
REI CAMP 1	7/6/2023	09:45:00 - 10:00:00	0.009	0.012	0.009	0.006	6179.5	0.002
REI CAMP 1	7/6/2023	10:00:00 - 10:15:00	0.009	0.012	0.009	0.006	7079.55	0.002
REI CAMP 1	7/6/2023	10:15:00 - 10:30:00	0.009	0.012	0.009	0.006	7979.5	0.002
REI CAMP 1	7/6/2023	10:30:00 - 10:45:00	0.009	0.012	0.009	0.006	8879.5	0.003
REI CAMP 1	7/6/2023	10:45:00 - 11:00:00	0.009	0.013	0.009	0.006	9779.5	0.003
REI CAMP 1	7/6/2023	11:00:00 - 11:15:00	0.011	0.029	0.009	0.006	10679.333	0.003
REI CAMP 1	7/6/2023	11:15:00 - 11:30:00	0.008	0.032	0.009	0.005	11578.867	0.004
REI CAMP 1	7/6/2023	11:30:00 - 11:45:00	0.007	0.032	0.009	0.005	12478.717	0.004
REI CAMP 1	7/6/2023	11:45:00 - 12:00:00	0.006	0.032	0.009	0.004	13378.55	0.004
REI CAMP 1	7/6/2023	12:00:00 - 12:15:00	0.006	0.032	0.009	0.004	14279.183	0.004
REI CAMP 1	7/6/2023	12:15:00 - 12:30:00	0.007	0.032	0.009	0.004	15179.5	0.004
REI CAMP 1	7/6/2023	12:30:00 - 12:45:00	0.007	0.032	0.008	0.004	16079.5	0.005
REI CAMP 1	7/6/2023	12:45:00 - 13:00:00	0.006	0.032	0.008	0.004	16979.5	0.005
REI CAMP 1	7/6/2023	13:00:00 - 13:15:00	0.006	0.032	0.008	0.004	17879.5	0.005
REI CAMP 1	7/6/2023	13:15:00 - 13:30:00	0.008	0.032	0.008	0.004	18779.5	0.005
REI CAMP 1	7/6/2023	13:30:00 - 13:45:00	0.006	0.032	0.008	0.004	19679.5	0.005
REI CAMP 1	7/6/2023	13:45:00 - 14:00:00	0.01	0.032	0.008	0.004	20579.5	0.006
REI CAMP 1	7/6/2023	14:00:00 - 14:15:00	0.007	0.035	0.008	0.004	21479.5	0.006
REI CAMP 1	7/6/2023	14:15:00 - 14:30:00	0.007	0.035	0.008	0.004	22379.5	0.006
REI CAMP 1	7/6/2023	14:30:00 - 14:45:00	0.006	0.035	0.008	0.004	23279.5	0.006
REI CAMP 1	7/6/2023	14:45:00 - 15:00:00	0.006	0.035	0.008	0.004	24179.483	0.007
REI CAMP 1	7/6/2023	15:00:00 - 15:15:00	0.006	0.035	0.008	0.004	25078.983	0.007
REI CAMP 1	7/6/2023	15:15:00 - 15:30:00	0.01	0.038	0.008	0.004	25978.5	0.007
REI CAMP 1	7/6/2023	15:30:00 - 15:45:00	0.011	0.038	0.008	0.004	26878.5	0.007
REI CAMP 1	7/6/2023	15:45:00 - 16:00:00	0.014	0.049	0.008	0.004	27778.5	0.008
REI CAMP 1	7/6/2023	16:00:00 - 16:15:00	0.007	0.052	0.008	0.004	28678.85	0.008
REI CAMP 1	7/6/2023	16:15:00 - 16:30:00	0.005	0.052	0.008	0.004	29579.317	0.008
REI CAMP 1	7/6/2023	16:30:00 - 16:45:00	0.007	0.052	0.008	0.004	30479.033	0.008
REI CAMP 1	7/6/2023	16:45:00 - 17:00:00	0.008	0.052	0.008	0.004	31378.983	0.008
REI CAMP 1	7/6/2023	17:00:00 - 17:15:00	0.006	0.052	0.008	0.004	32278.733	0.008
REI CAMP 1	7/6/2023	17:15:00 - 17:30:00	0.01	0.052	0.008	0.004	33178.5	0.008
REI CAMP 1	7/6/2023	17:30:00 - 17:45:00	0.016	0.052	0.008	0.004	34078.5	0.008
REI CAMP 1	7/6/2023	17:45:00 - 18:00:00	0.008	0.052	0.008	0.004	34873.522	0.008
REI CAMP 1	7/7/2023	08:00:00 - 08:15:00	0.023	-17241.356	0.018	0.01	383.121	0
REI CAMP 1	7/7/2023	08:15:00 - 08:30:00	0.025	0.031	0.025	0.011	1266.5	0.001
REI CAMP 1	7/7/2023	08:30:00 - 08:45:00	0.019	0.031	0.023	0.011	2166.5	0.002
REI CAMP 1	7/7/2023	08:45:00 - 09:00:00	0.018	0.031	0.022	0.011	3066.5	0.002
REI CAMP 1	7/7/2023	09:00:00 - 09:15:00	0.015	0.031	0.021	0.011	3966.5	0.003
REI CAMP 1	7/7/2023	09:15:00 - 09:30:00	0.011	0.031	0.02	0.009	4866.5	0.003
REI CAMP 1	7/7/2023	09:30:00 - 09:45:00	0.01	0.031	0.018	0.008	5766.5	0.004
REI CAMP 1	7/7/2023	09:45:00 - 10:00:00	0.01	0.031	0.017	0.008	6666.5	0.004
REI CAMP 1	7/7/2023	10:00:00 - 10:15:00	0.009	0.031	0.016	0.008	7565.6	0.004
REI CAMP 1	7/7/2023	10:15:00 - 10:30:00	0.009	0.031	0.015	0.007	8465.5	0.004
REI CAMP 1	7/7/2023	10:30:00 - 10:45:00	0.009	0.031	0.015	0.007	9365.5	0.005
REI CAMP 1	7/7/2023	10:45:00 - 11:00:00	0.021	0.062	0.015	0.007	10265.5	0.005
REI CAMP 1	7/7/2023	11:00:00 - 11:15:00	0.009	0.079	0.015	0.006	11165.867	0.006
REI CAMP 1	7/7/2023	11:15:00 - 11:30:00	0.007	0.079	0.014	0.006	12065.7	0.006
REI CAMP 1	7/7/2023	11:30:00 - 11:45:00	0.008	0.079	0.014	0.005	12965.6	0.006
REI CAMP 1	7/7/2023	11:45:00 - 12:00:00	0.009	0.079	0.013	0.005	13865.517	0.006
REI CAMP 1	7/7/2023	12:00:00 - 12:15:00	0.01	0.079	0.013	0.005	14765.833	0.007
REI CAMP 1	7/7/2023	12:15:00 - 12:30:00	0.014	0.079	0.013	0.005	15665.783	0.007
REI CAMP 1	7/7/2023	12:30:00 - 12:45:00	0.017	0.082	0.013	0.005	16565.633	0.008
REI CAMP 1	7/7/2023	12:45:00 - 13:00:00	0.012	0.082	0.013	0.005	17465.55	0.008
REI CAMP 1	7/7/2023	13:00:00 - 13:15:00	0.01	0.082	0.013	0.005	18366.317	0.008
REI CAMP 1	7/7/2023	13:15:00 - 13:30:00	0.009	0.082	0.013	0.005	19266.283	0.009
REI CAMP 1	7/7/2023	13:30:00 - 13:45:00	0.008	0.082	0.013	0.005	20166.15	0.009

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 1	7/7/2023	13:45:00 - 14:00:00	0.011	0.082	0.013	0.005	21065.983	0.009
REI CAMP 1	7/7/2023	14:00:00 - 14:15:00	0.01	0.082	0.013	0.005	21965.517	0.01
REI CAMP 1	7/7/2023	14:15:00 - 14:30:00	0.01	0.082	0.013	0.005	22775.5	0.01
REI CAMP 1	7/10/2023	08:15:00 - 08:30:00	0.039	-166666.636	0.03	0.029	31.833	0
REI CAMP 1	7/10/2023	08:30:00 - 08:45:00	0.046	0.048	0.046	0.043	525.5	0
REI CAMP 1	7/10/2023	08:45:00 - 09:00:00	0.045	0.048	0.046	0.043	1425.5	0.002
REI CAMP 1	7/10/2023	09:00:00 - 09:15:00	0.045	0.048	0.046	0.043	2325.5	0.004
REI CAMP 1	7/10/2023	09:15:00 - 09:30:00	0.05	0.053	0.046	0.043	3225.45	0.005
REI CAMP 1	7/10/2023	09:30:00 - 09:45:00	0.05	0.062	0.047	0.043	4125.083	0.007
REI CAMP 1	7/10/2023	09:45:00 - 10:00:00	0.047	0.063	0.047	0.043	5024.9	0.008
REI CAMP 1	7/10/2023	10:00:00 - 10:15:00	0.046	0.063	0.047	0.043	5924.683	0.01
REI CAMP 1	7/10/2023	10:15:00 - 10:30:00	0.045	0.063	0.047	0.043	6824.683	0.011
REI CAMP 1	7/10/2023	10:30:00 - 10:45:00	0.045	0.063	0.047	0.043	7725.5	0.013
REI CAMP 1	7/10/2023	10:45:00 - 11:00:00	0.046	0.063	0.047	0.043	8625.5	0.014
REI CAMP 1	7/10/2023	11:00:00 - 11:15:00	0.046	0.07	0.047	0.043	9525.5	0.015
REI CAMP 1	7/10/2023	11:15:00 - 11:30:00	0.044	0.073	0.046	0.043	10425.5	0.017
REI CAMP 1	7/10/2023	11:30:00 - 11:45:00	0.045	0.073	0.046	0.043	11325.5	0.018
REI CAMP 1	7/10/2023	11:45:00 - 12:00:00	0.044	0.073	0.046	0.043	12225.5	0.02
REI CAMP 1	7/10/2023	12:00:00 - 12:15:00	0.048	0.1	0.046	0.043	13125.5	0.021
REI CAMP 1	7/10/2023	12:15:00 - 12:30:00	0.045	0.157	0.046	0.042	14025.383	0.022
REI CAMP 1	7/10/2023	12:30:00 - 12:45:00	0.045	0.157	0.046	0.042	14924.5	0.024
REI CAMP 1	7/10/2023	12:45:00 - 13:00:00	0.047	0.157	0.046	0.042	15824.5	0.025
REI CAMP 1	7/10/2023	13:00:00 - 13:15:00	0.046	0.157	0.046	0.042	16723.15	0.027
REI CAMP 1	7/10/2023	13:15:00 - 13:30:00	0.018	-16666.644	0.018	0.016	984.1	0.001
REI CAMP 1	7/10/2023	13:30:00 - 13:45:00	0.016	0.019	0.016	0.015	1312.5	0.001
REI CAMP 1	7/10/2023	13:45:00 - 14:00:00	0.017	0.05	0.017	0.014	2212.5	0.001
REI CAMP 1	7/10/2023	14:00:00 - 14:15:00	0.016	0.061	0.017	0.014	3112.5	0.002
REI CAMP 1	7/10/2023	14:15:00 - 14:30:00	0.016	0.061	0.016	0.014	4012.5	0.002
REI CAMP 1	7/10/2023	14:30:00 - 14:45:00	0.017	0.061	0.017	0.014	4912.5	0.003
REI CAMP 1	7/10/2023	14:45:00 - 15:00:00	0.016	0.061	0.017	0.014	5812.5	0.003
REI CAMP 1	7/10/2023	15:00:00 - 15:15:00	0.019	0.061	0.017	0.014	6712.45	0.004
REI CAMP 1	7/10/2023	15:15:00 - 15:30:00	0.022	0.061	0.017	0.014	7612.467	0.005
REI CAMP 1	7/10/2023	15:30:00 - 15:45:00	0.021	0.061	0.018	0.014	8512.5	0.005
REI CAMP 1	7/10/2023	15:45:00 - 16:00:00	0.022	0.061	0.018	0.014	9432.353	0.006
REI CAMP 1	7/10/2023	16:00:00 - 16:15:00	0.022	0.061	0.018	0.014	10312.5	0.007
REI CAMP 1	7/10/2023	16:15:00 - 16:30:00	0.021	0.061	0.019	0.014	11211.6	0.007
REI CAMP 1	7/10/2023	16:30:00 - 16:45:00	0.022	0.061	0.019	0.014	12111.517	0.008
REI CAMP 1	7/10/2023	16:45:00 - 17:00:00	0.021	0.061	0.019	0.014	13011.5	0.009
REI CAMP 1	7/10/2023	17:00:00 - 17:15:00	0.023	0.061	0.019	0.014	13574	0.009
REI CAMP 1	7/11/2023	08:15:00 - 08:30:00	0.006	0.008	0.006	0.004	317.333	0
REI CAMP 1	7/11/2023	08:30:00 - 08:45:00	0.008	0.01	0.007	0.004	1014.6	0
REI CAMP 1	7/11/2023	08:45:00 - 09:00:00	0.008	0.011	0.008	0.004	1914.533	0.001
REI CAMP 1	7/11/2023	09:00:00 - 09:15:00	0.007	0.011	0.007	0.004	2814.5	0.001
REI CAMP 1	7/11/2023	09:15:00 - 09:30:00	0.006	0.011	0.007	0.004	3715.083	0.001
REI CAMP 1	7/11/2023	09:30:00 - 09:45:00	0.005	0.011	0.007	0.004	4614.717	0.001
REI CAMP 1	7/11/2023	09:45:00 - 10:00:00	0.005	0.011	0.007	0.003	5514.683	0.001
REI CAMP 1	7/11/2023	10:00:00 - 10:15:00	0.004	0.011	0.006	0.003	6414.6	0.001
REI CAMP 1	7/11/2023	10:15:00 - 10:30:00	0.004	0.011	0.006	0.003	7315.133	0.002
REI CAMP 1	7/11/2023	10:30:00 - 10:45:00	0.004	0.011	0.006	0.003	8215.5	0.002
REI CAMP 1	7/11/2023	10:45:00 - 11:00:00	0.005	0.011	0.006	0.003	9115.5	0.002
REI CAMP 1	7/11/2023	11:00:00 - 11:15:00	0.005	0.011	0.006	0.003	10015.5	0.002
REI CAMP 1	7/11/2023	11:15:00 - 11:30:00	0.005	0.011	0.006	0.003	10914.867	0.002
REI CAMP 1	7/11/2023	11:30:00 - 11:45:00	0.005	0.011	0.006	0.003	11814.5	0.002
REI CAMP 1	7/11/2023	11:45:00 - 12:00:00	0.005	0.011	0.006	0.003	12714.5	0.002
REI CAMP 1	7/11/2023	12:00:00 - 12:15:00	0.005	0.011	0.005	0.003	13614.5	0.003
REI CAMP 1	7/11/2023	12:15:00 - 12:30:00	0.004	0.012	0.005	0.002	14514.517	0.003
REI CAMP 1	7/11/2023	12:30:00 - 12:45:00	0.004	0.017	0.005	0.002	15414.517	0.003
REI CAMP 1	7/11/2023	12:45:00 - 13:00:00	0.004	0.017	0.005	0.002	16314.5	0.003
REI CAMP 1	7/11/2023	13:00:00 - 13:15:00	0.004	0.017	0.005	0.002	17214.5	0.003
REI CAMP 1	7/11/2023	13:15:00 - 13:30:00	0.004	0.017	0.005	0.002	18114.7	0.003
REI CAMP 1	7/11/2023	13:30:00 - 13:45:00	0.004	0.017	0.005	0.002	19014.667	0.003
REI CAMP 1	7/11/2023	13:45:00 - 14:00:00	0.003	0.017	0.005	0.002	19914.533	0.003
REI CAMP 1	7/11/2023	14:00:00 - 14:15:00	0.004	0.017	0.005	0.002	20814.5	0.004
REI CAMP 1	7/11/2023	14:15:00 - 14:30:00	0.004	0.017	0.005	0.002	21714.317	0.004
REI CAMP 1	7/11/2023	14:30:00 - 14:45:00	0.003	0.017	0.005	0.002	22613.95	0.004
REI CAMP 1	7/11/2023	14:45:00 - 15:00:00	0.005	0.017	0.005	0.002	23513.833	0.004
REI CAMP 1	7/11/2023	15:00:00 - 15:15:00	0.004	0.017	0.005	0.002	24413.683	0.004
REI CAMP 1	7/11/2023	15:15:00 - 15:30:00	0.013	0.03	0.005	0.002	25313.983	0.004
REI CAMP 1	7/11/2023	15:30:00 - 15:45:00	0.005	0.096	0.005	0.002	26214.067	0.005
REI CAMP 1	7/11/2023	15:45:00 - 16:00:00	0.003	0.096	0.005	0.002	27113.95	0.005
REI CAMP 1	7/11/2023	16:00:00 - 16:15:00	0.005	0.096	0.005	0.002	28013.8	0.005
REI CAMP 1	7/11/2023	16:15:00 - 16:30:00	0.009	0.096	0.005	0.002	28914.133	0.005
REI CAMP 1	7/11/2023	16:30:00 - 16:45:00	0.006	0.096	0.005	0.002	29814.5	0.005
REI CAMP 1	7/11/2023	16:45:00 - 17:00:00	0.005	0.096	0.005	0.002	30714.3	0.005
REI CAMP 1	7/11/2023	17:00:00 - 17:15:00	0.005	0.096	0.005	0.002	31614.05	0.005
REI CAMP 1	7/11/2023	17:15:00 - 17:30:00	0.004	0.096	0.005	0.002	32514.3	0.005
REI CAMP 1	7/11/2023	17:30:00 - 17:45:00	0.005	0.096	0.005	0.002	33414.5	0.005
REI CAMP 1	7/11/2023	17:45:00 - 18:00:00	0.005	0.096	0.005	0.002	33939.5	0.005
REI CAMP 1	7/12/2023	08:15:00 - 08:30:00	0.009	-22727.264	0.008	0.005	289.114	0
REI CAMP 1	7/12/2023	08:30:00 - 08:45:00	0.011	0.013	0.01	0.006	1067.55	0
REI CAMP 1	7/12/2023	08:45:00 - 09:00:00	0.011	0.013	0.011	0.006	1967.517	0.001
REI CAMP 1	7/12/2023	09:00:00 - 09:15:00	0.011	0.013	0.011	0.006	2868.35	0.001
REI CAMP 1	7/12/2023	09:15:00 - 09:30:00	0.011	0.013	0.011	0.006	3768.5	0.001
REI CAMP 1	7/12/2023	09:30:00 - 09:45:00	0.011	0.013	0.011	0.006	4668.5	0.002
REI CAMP 1	7/12/2023	09:45:00 - 10:00:00	0.011	0.013	0.011	0.006	5568.5	0.002
REI CAMP 1	7/12/2023	10:00:00 - 10:15:00	0.012	0.014	0.011	0.006	6468.367	0.002
REI CAMP 1	7/12/2023	10:15:00 - 10:30:00	0.01	0.014	0.011	0.006	7367.7	0.003
REI CAMP 1	7/12/2023	10:30:00 - 10:45:00	0.012	0.014	0.011	0.006	8267.5	0.003
REI CAMP 1	7/12/2023	10:45:00 - 11:00:00	0.014	0.018	0.011	0.006	9167.5	0.004
REI CAMP 1	7/12/2023	11:00:00 - 11:15:00	0.015	0.019	0.011	0.006	10068.017	0.004
REI CAMP 1	7/12/2023	11:15:00 - 11:30:00	0.015	0.019	0.012	0.006	10967.833	0.004
REI CAMP 1	7/12/2023	11:30:00 - 11:45:00	0.016	0.019	0.012	0.006	11867.5	0.005
REI CAMP 1	7/12/2023	11:45:00 - 12:00:00	0.019	0.033	0.012	0.006	12767.5	0.005
REI CAMP 1	7/12/2023	12:00:00 - 12:15:00	0.015	0.043	0.013	0.006	13667.5	0.006

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 1	7/12/2023	12:15:00 - 12:30:00	0.014	0.043	0.013	0.006	14560.373	0.006
REI CAMP 1	7/12/2023	12:30:00 - 12:45:00	0.015	0.043	0.013	0.006	15447.729	0.007
REI CAMP 1	7/12/2023	12:45:00 - 13:00:00	0.013	0.043	0.013	0.006	16357.517	0.007
REI CAMP 1	7/12/2023	13:00:00 - 13:15:00	0.012	0.043	0.013	0.006	17257.5	0.008
REI CAMP 1	7/12/2023	13:15:00 - 13:30:00	0.012	0.043	0.013	0.006	18157.5	0.008
REI CAMP 1	7/12/2023	13:30:00 - 13:45:00	0.012	0.043	0.013	0.006	19057.5	0.008
REI CAMP 1	7/12/2023	13:45:00 - 14:00:00	0.013	0.043	0.013	0.006	19957.9	0.009
REI CAMP 1	7/12/2023	14:00:00 - 14:15:00	0.014	0.043	0.013	0.006	20858.333	0.009
REI CAMP 1	7/12/2023	14:15:00 - 14:30:00	0.015	0.043	0.013	0.006	21757.733	0.01
REI CAMP 1	7/12/2023	14:30:00 - 14:45:00	0.015	0.043	0.013	0.006	22657.5	0.01
REI CAMP 1	7/12/2023	14:45:00 - 15:00:00	0.013	0.043	0.013	0.006	23557.5	0.011
REI CAMP 1	7/12/2023	15:00:00 - 15:15:00	0.013	0.043	0.013	0.006	24457.5	0.011
REI CAMP 1	7/12/2023	15:15:00 - 15:30:00	0.014	0.043	0.013	0.006	25357.5	0.011
REI CAMP 1	7/12/2023	15:30:00 - 15:45:00	0.013	0.043	0.013	0.006	26257.5	0.012
REI CAMP 1	7/12/2023	15:45:00 - 16:00:00	0.013	0.043	0.013	0.006	27157.5	0.012
REI CAMP 1	7/12/2023	16:00:00 - 16:15:00	0.015	0.043	0.013	0.006	28057.5	0.013
REI CAMP 1	7/12/2023	16:15:00 - 16:30:00	0.015	0.043	0.013	0.006	28957.5	0.013
REI CAMP 1	7/12/2023	16:30:00 - 16:45:00	0.014	0.043	0.013	0.006	29857.517	0.013
REI CAMP 1	7/12/2023	16:45:00 - 17:00:00	0.013	0.043	0.013	0.006	30757.5	0.013
REI CAMP 1	7/12/2023	17:00:00 - 17:15:00	0.012	0.043	0.013	0.006	31657.5	0.013
REI CAMP 1	7/12/2023	17:15:00 - 17:30:00	0.013	0.043	0.013	0.006	32557.2	0.013
REI CAMP 1	7/12/2023	17:30:00 - 17:45:00	0.013	0.043	0.013	0.006	33082	0.013
REI CAMP 1	7/13/2023	08:15:00 - 08:30:00	0.02	-16666.646	0.017	0.013	400.9	0
REI CAMP 1	7/13/2023	08:30:00 - 08:45:00	0.023	0.027	0.022	0.014	1299.5	0.001
REI CAMP 1	7/13/2023	08:45:00 - 09:00:00	0.02	0.027	0.021	0.014	2199.5	0.002
REI CAMP 1	7/13/2023	09:00:00 - 09:15:00	0.021	0.027	0.021	0.014	3099.5	0.002
REI CAMP 1	7/13/2023	09:15:00 - 09:30:00	0.015	0.027	0.02	0.014	3998.55	0.003
REI CAMP 1	7/13/2023	09:30:00 - 09:45:00	0.014	0.027	0.019	0.014	4898.5	0.003
REI CAMP 1	7/13/2023	09:45:00 - 10:00:00	0.013	0.027	0.019	0.013	5798.5	0.004
REI CAMP 1	7/13/2023	10:00:00 - 10:15:00	0.015	0.027	0.018	0.012	6698.5	0.004
REI CAMP 1	7/13/2023	10:15:00 - 10:30:00	0.013	0.027	0.017	0.012	7598.683	0.005
REI CAMP 1	7/13/2023	10:30:00 - 10:45:00	0.014	0.027	0.017	0.012	8498.517	0.005
REI CAMP 1	7/13/2023	10:45:00 - 11:00:00	0.014	0.027	0.017	0.012	9398.517	0.005
REI CAMP 1	7/13/2023	11:00:00 - 11:15:00	0.013	0.027	0.016	0.011	10298.567	0.006
REI CAMP 1	7/13/2023	11:15:00 - 11:30:00	0.015	0.027	0.016	0.011	11201.45	0.006
REI CAMP 1	7/13/2023	11:30:00 - 11:45:00	0.014	0.03	0.016	0.011	12101.5	0.007
REI CAMP 1	7/13/2023	11:45:00 - 12:00:00	0.015	0.038	0.016	0.011	13001.5	0.007
REI CAMP 1	7/13/2023	12:00:00 - 12:15:00	0.014	0.038	0.016	0.011	13901.467	0.008
REI CAMP 1	7/13/2023	12:15:00 - 12:30:00	0.014	0.038	0.016	0.011	14801.483	0.008
REI CAMP 1	7/13/2023	12:30:00 - 12:45:00	0.014	0.038	0.016	0.011	15701.5	0.009
REI CAMP 1	7/13/2023	12:45:00 - 13:00:00	0.014	0.038	0.016	0.011	16601.5	0.009
REI CAMP 1	7/13/2023	13:00:00 - 13:15:00	0.016	0.038	0.016	0.011	17501.5	0.009
REI CAMP 1	7/13/2023	13:15:00 - 13:30:00	0.016	0.038	0.016	0.011	18400.55	0.01
REI CAMP 1	7/13/2023	13:30:00 - 13:45:00	0.016	0.038	0.016	0.011	19300.517	0.01
REI CAMP 1	7/13/2023	13:45:00 - 14:00:00	0.014	0.038	0.016	0.011	20200.5	0.011
REI CAMP 1	7/13/2023	14:00:00 - 14:15:00	0.013	0.038	0.015	0.011	21100.5	0.011
REI CAMP 1	7/13/2023	14:15:00 - 14:30:00	0.012	0.038	0.015	0.011	22000.65	0.012
REI CAMP 1	7/13/2023	14:30:00 - 14:45:00	0.012	0.038	0.015	0.009	22900.517	0.012
REI CAMP 1	7/13/2023	14:45:00 - 15:00:00	0.012	0.038	0.015	0.009	23800.5	0.012
REI CAMP 1	7/13/2023	15:00:00 - 15:15:00	0.013	0.038	0.015	0.009	24700.5	0.013
REI CAMP 1	7/13/2023	15:15:00 - 15:30:00	0.014	0.038	0.015	0.009	25600.983	0.013
REI CAMP 1	7/13/2023	15:30:00 - 15:45:00	0.014	0.038	0.015	0.009	26500.95	0.014
REI CAMP 1	7/13/2023	15:45:00 - 16:00:00	0.015	0.038	0.015	0.009	27400.733	0.014
REI CAMP 1	7/13/2023	16:00:00 - 16:15:00	0.017	0.038	0.015	0.009	28300.583	0.015
REI CAMP 1	7/13/2023	16:15:00 - 16:30:00	0.015	0.038	0.015	0.009	29200.467	0.015
REI CAMP 1	7/13/2023	16:30:00 - 16:45:00	0.015	0.038	0.015	0.009	30100.367	0.015
REI CAMP 1	7/13/2023	16:45:00 - 17:00:00	0.016	0.038	0.015	0.009	31000.133	0.015
REI CAMP 1	7/13/2023	17:00:00 - 17:15:00	0.016	0.038	0.015	0.009	31900.033	0.015
REI CAMP 1	7/13/2023	17:15:00 - 17:30:00	0.016	0.038	0.015	0.009	32800.467	0.015
REI CAMP 1	7/13/2023	17:30:00 - 17:45:00	0.016	0.038	0.015	0.009	33700.5	0.015
REI CAMP 1	7/13/2023	17:45:00 - 18:00:00	0.016	0.038	0.015	0.009	34600.5	0.015
REI CAMP 1	7/13/2023	18:00:00 - 18:15:00	0.023	0.041	0.015	0.009	35283	0.015
REI CAMP 1	7/14/2023	08:15:00 - 08:30:00	0.022	-21739.105	0.02	0.016	341.5	0
REI CAMP 1	7/14/2023	08:30:00 - 08:45:00	0.03	0.048	0.025	0.016	1136.5	0.001
REI CAMP 1	7/14/2023	08:45:00 - 09:00:00	0.033	0.061	0.028	0.016	2036.5	0.002
REI CAMP 1	7/14/2023	09:00:00 - 09:15:00	0.027	0.061	0.028	0.016	2936.5	0.003
REI CAMP 1	7/14/2023	09:15:00 - 09:30:00	0.024	0.061	0.028	0.016	3835.933	0.004
REI CAMP 1	7/14/2023	09:30:00 - 09:45:00	0.034	0.065	0.028	0.016	4735.667	0.005
REI CAMP 1	7/14/2023	09:45:00 - 10:00:00	0.025	0.073	0.029	0.016	5635.517	0.006
REI CAMP 1	7/14/2023	10:00:00 - 10:15:00	0.028	0.073	0.028	0.016	6535.5	0.006
REI CAMP 1	7/14/2023	10:15:00 - 10:30:00	0.031	0.075	0.028	0.016	7436.267	0.007
REI CAMP 1	7/14/2023	10:30:00 - 10:45:00	0.026	0.119	0.028	0.016	8336.5	0.008
REI CAMP 1	7/14/2023	10:45:00 - 11:00:00	0.024	0.119	0.028	0.016	9236.5	0.009
REI CAMP 1	7/14/2023	11:00:00 - 11:15:00	0.022	0.119	0.027	0.016	10136.5	0.01
REI CAMP 1	7/14/2023	11:15:00 - 11:30:00	0.021	0.119	0.027	0.016	11035.783	0.01
REI CAMP 1	7/14/2023	11:30:00 - 11:45:00	0.03	0.119	0.027	0.016	11935.5	0.011
REI CAMP 1	7/14/2023	11:45:00 - 12:00:00	0.021	0.119	0.027	0.016	12835.103	0.012
REI CAMP 1	7/14/2023	12:00:00 - 12:15:00	0.019	0.119	0.026	0.016	13731.183	0.013
REI CAMP 1	7/14/2023	12:15:00 - 12:30:00	0.021	0.119	0.026	0.016	14631.383	0.013
REI CAMP 1	7/14/2023	12:30:00 - 12:45:00	0.021	0.119	0.026	0.016	15531.5	0.014
REI CAMP 1	7/14/2023	12:45:00 - 13:00:00	0.022	0.119	0.025	0.016	16431.5	0.015
REI CAMP 1	7/14/2023	13:00:00 - 13:15:00	0.031	0.119	0.026	0.016	17331.5	0.015
REI CAMP 1	7/14/2023	13:15:00 - 13:30:00	0.029	0.119	0.026	0.016	18231.5	0.016
REI CAMP 1	7/14/2023	13:30:00 - 13:45:00	0.031	0.119	0.026	0.016	19131.517	0.017
REI CAMP 1	7/14/2023	13:45:00 - 14:00:00	0.027	0.119	0.026	0.016	20031.5	0.018
REI CAMP 1	7/14/2023	14:00:00 - 14:15:00	0.031	0.119	0.026	0.016	20931.5	0.019
REI CAMP 1	7/14/2023	14:15:00 - 14:30:00	0.05	0.124	0.026	0.016	21830.767	0.02
REI CAMP 1	7/14/2023	14:30:00 - 14:45:00	0.058	0.197	0.028	0.016	22730.5	0.022
REI CAMP 1	7/14/2023	14:45:00 - 15:00:00	0.058	0.197	0.029	0.016	23465.5	0.023
REI CAMP 1	7/17/2023	08:15:00 - 08:30:00	0.006	-43478.255	0.005	0.004	145.174	0
REI CAMP 1	7/17/2023	08:30:00 - 08:45:00	0.011	0.02	0.009	0.005	766.5	0
REI CAMP 1	7/17/2023	08:45:00 - 09:00:00	0.013	0.024	0.01	0.005	1666.417	0.001
REI CAMP 1	7/17/2023	09:00:00 - 09:15:00	0.008	0.03	0.011	0.005	2566.317	0.001
REI CAMP 1	7/17/2023	09:15:00 - 09:30:00	0.007	0.03	0.01	0.005	3465.833	0.001

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 1	7/17/2023	09:30:00 - 09:45:00	0.009	0.03	0.01	0.004	4365.5	0.001
REI CAMP 1	7/17/2023	09:45:00 - 10:00:00	0.01	0.03	0.009	0.004	5265.5	0.002
REI CAMP 1	7/17/2023	10:00:00 - 10:15:00	0.01	0.03	0.01	0.002	6181.025	0.002
REI CAMP 1	7/17/2023	10:15:00 - 10:30:00	0.012	-16666.646	0.011	0.006	1824.433	0.001
REI CAMP 1	7/17/2023	10:30:00 - 10:45:00	0.019	0.046	0.013	0.007	1133.5	0.001
REI CAMP 1	7/17/2023	10:45:00 - 11:00:00	0.01	0.059	0.015	0.007	2033.5	0.001
REI CAMP 1	7/17/2023	11:00:00 - 11:15:00	0.019	0.059	0.014	0.007	2933.517	0.002
REI CAMP 1	7/17/2023	11:15:00 - 11:30:00	0.026	0.077	0.016	0.007	3834.033	0.002
REI CAMP 1	7/17/2023	11:30:00 - 11:45:00	0.02	0.078	0.018	0.007	4734.1	0.003
REI CAMP 1	7/17/2023	11:45:00 - 12:00:00	0.025	0.078	0.019	0.007	5634.033	0.004
REI CAMP 1	7/17/2023	12:00:00 - 12:15:00	0.029	0.086	0.019	0.007	6533.9	0.004
REI CAMP 1	7/17/2023	12:15:00 - 12:30:00	0.023	0.113	0.021	0.007	7433.517	0.005
REI CAMP 1	7/17/2023	12:30:00 - 12:45:00	0.014	0.113	0.02	0.007	8333.517	0.006
REI CAMP 1	7/17/2023	12:45:00 - 13:00:00	0.02	0.113	0.02	0.007	9233.95	0.006
REI CAMP 1	7/17/2023	13:00:00 - 13:15:00	0.024	0.113	0.02	0.007	10134.5	0.007
REI CAMP 1	7/17/2023	13:15:00 - 13:30:00	0.017	0.113	0.02	0.007	11033.733	0.008
REI CAMP 1	7/17/2023	13:30:00 - 13:45:00	0.012	0.113	0.02	0.007	11933.5	0.008
REI CAMP 1	7/17/2023	13:45:00 - 14:00:00	0.009	0.113	0.019	0.007	12833.5	0.009
REI CAMP 1	7/17/2023	14:00:00 - 14:15:00	0.012	0.113	0.019	0.007	13733.5	0.009
REI CAMP 1	7/17/2023	14:15:00 - 14:30:00	0.012	0.113	0.018	0.007	14633.783	0.009
REI CAMP 1	7/17/2023	14:30:00 - 14:45:00	0.012	0.113	0.018	0.007	15533.75	0.01
REI CAMP 1	7/17/2023	14:45:00 - 15:00:00	0.012	0.113	0.017	0.007	16433.6	0.01
REI CAMP 1	7/17/2023	15:00:00 - 15:15:00	0.017	0.113	0.017	0.007	17333.5	0.01
REI CAMP 1	7/17/2023	15:15:00 - 15:30:00	0.011	0.113	0.017	0.007	18234.183	0.011
REI CAMP 1	7/17/2023	15:30:00 - 15:45:00	0.011	0.113	0.017	0.007	19134.083	0.011
REI CAMP 1	7/17/2023	15:45:00 - 16:00:00	0.009	0.113	0.017	0.007	20034.05	0.012
REI CAMP 1	7/17/2023	16:00:00 - 16:15:00	0.022	0.113	0.017	0.007	20933.967	0.012
REI CAMP 1	7/17/2023	16:15:00 - 16:30:00	0.022	0.113	0.017	0.007	21833.6	0.013
REI CAMP 1	7/17/2023	16:30:00 - 16:45:00	0.013	0.113	0.017	0.007	22733.5	0.013
REI CAMP 1	7/17/2023	16:45:00 - 17:00:00	0.015	0.113	0.017	0.007	23633.5	0.014
REI CAMP 1	7/17/2023	17:00:00 - 17:15:00	0.012	0.113	0.017	0.007	24533.5	0.014
REI CAMP 1	7/17/2023	17:15:00 - 17:30:00	0.018	0.113	0.017	0.007	25433.5	0.015
REI CAMP 1	7/17/2023	17:30:00 - 17:45:00	0.019	0.113	0.017	0.007	26333.5	0.015
REI CAMP 1	7/17/2023	17:45:00 - 18:00:00	0.033	0.113	0.017	0.007	26843.5	0.016
REI CAMP 1	7/18/2023	06:45:00 - 07:00:00	0.006	-55555.55	0.005	0.004	33	0
REI CAMP 1	7/18/2023	07:00:00 - 07:15:00	0.019	0.022	0.016	0.01	583.5	0
REI CAMP 1	7/18/2023	07:15:00 - 07:30:00	0.021	0.027	0.019	0.01	1483.5	0.001
REI CAMP 1	7/18/2023	07:30:00 - 07:45:00	0.02	0.028	0.019	0.01	2383.5	0.002
REI CAMP 1	7/18/2023	07:45:00 - 08:00:00	0.024	0.03	0.02	0.01	3283.55	0.002
REI CAMP 1	7/18/2023	08:00:00 - 08:15:00	0.022	0.033	0.021	0.01	4183.717	0.003
REI CAMP 1	7/18/2023	08:15:00 - 08:30:00	0.02	0.033	0.021	0.01	5083.65	0.004
REI CAMP 1	7/18/2023	08:30:00 - 08:45:00	0.021	0.033	0.021	0.01	5983.5	0.004
REI CAMP 1	7/18/2023	08:45:00 - 09:00:00	0.018	0.033	0.021	0.01	6883.5	0.005
REI CAMP 1	7/18/2023	09:00:00 - 09:15:00	0.019	0.033	0.02	0.01	7783.3	0.006
REI CAMP 1	7/18/2023	09:15:00 - 09:30:00	0.021	0.033	0.02	0.01	8683.117	0.006
REI CAMP 1	7/18/2023	09:30:00 - 09:45:00	0.021	0.035	0.02	0.01	9583.633	0.007
REI CAMP 1	7/18/2023	09:45:00 - 10:00:00	0.025	0.041	0.021	0.01	10483.733	0.008
REI CAMP 1	7/18/2023	10:00:00 - 10:15:00	0.027	0.047	0.021	0.01	11383.5	0.008
REI CAMP 1	7/18/2023	10:15:00 - 10:30:00	0.028	0.075	0.022	0.01	12283.5	0.009
REI CAMP 1	7/18/2023	10:30:00 - 10:45:00	0.024	0.075	0.022	0.01	13183.5	0.01
REI CAMP 1	7/18/2023	10:45:00 - 11:00:00	0.032	0.082	0.022	0.01	14083.5	0.011
REI CAMP 1	7/18/2023	11:00:00 - 11:15:00	0.023	0.092	0.023	0.01	14983.5	0.012
REI CAMP 1	7/18/2023	11:15:00 - 11:30:00	0.025	0.092	0.023	0.01	15883.5	0.013
REI CAMP 1	7/18/2023	11:30:00 - 11:45:00	0.024	0.092	0.023	0.01	16783.5	0.013
REI CAMP 1	7/18/2023	11:45:00 - 12:00:00	0.038	0.092	0.023	0.01	17683.5	0.014
REI CAMP 1	7/18/2023	12:00:00 - 12:15:00	0.062	0.134	0.024	0.01	18583.5	0.016
REI CAMP 1	7/18/2023	12:15:00 - 12:30:00	0.05	0.226	0.026	0.01	19483.5	0.018
REI CAMP 1	7/18/2023	12:30:00 - 12:45:00	0.064	-16666.421	0.029	0.011	18987.3	0.018
REI CAMP 1	7/18/2023	12:45:00 - 13:00:00	0.072	0.268	0.076	0.039	511.5	0
REI CAMP 1	7/18/2023	13:00:00 - 13:15:00	0.051	0.314	0.065	0.038	1411.5	0.003
REI CAMP 1	7/18/2023	13:15:00 - 13:30:00	0.055	0.314	0.061	0.038	2311.5	0.005
REI CAMP 1	7/18/2023	13:30:00 - 13:45:00	0.056	0.314	0.059	0.038	3211.583	0.007
REI CAMP 1	7/18/2023	13:45:00 - 14:00:00	0.072	0.314	0.06	0.038	4112.5	0.008
REI CAMP 1	7/18/2023	14:00:00 - 14:15:00	0.066	0.314	0.062	0.038	5012.5	0.011
REI CAMP 1	7/18/2023	14:15:00 - 14:30:00	0.089	0.346	0.064	0.038	5912.5	0.013
REI CAMP 1	7/18/2023	14:30:00 - 14:45:00	0.092	0.365	0.068	0.038	6812.35	0.016
REI CAMP 1	7/18/2023	14:45:00 - 15:00:00	0.078	0.365	0.07	0.038	7711.5	0.019
REI CAMP 1	7/18/2023	15:00:00 - 15:15:00	0.064	0.365	0.07	0.038	8611.5	0.021
REI CAMP 1	7/18/2023	15:15:00 - 15:30:00	0.06	0.365	0.069	0.038	9511.5	0.023
REI CAMP 1	7/18/2023	15:30:00 - 15:45:00	0.081	0.365	0.069	0.038	10411.517	0.025
REI CAMP 1	7/18/2023	15:45:00 - 16:00:00	0.096	0.365	0.071	0.038	11311.683	0.028
REI CAMP 1	7/18/2023	16:00:00 - 16:15:00	0.064	0.365	0.072	0.038	12211.517	0.03
REI CAMP 1	7/18/2023	16:15:00 - 16:30:00	0.068	0.365	0.071	0.038	13111.5	0.032
REI CAMP 1	7/18/2023	16:30:00 - 16:45:00	0.062	0.365	0.071	0.038	14011.567	0.034
REI CAMP 1	7/18/2023	16:45:00 - 17:00:00	0.062	0.365	0.07	0.038	14912.333	0.036
REI CAMP 1	7/18/2023	17:00:00 - 17:15:00	0.061	0.365	0.07	0.038	15812.133	0.038
REI CAMP 1	7/18/2023	17:15:00 - 17:30:00	0.062	0.365	0.069	0.038	16712.033	0.04
REI CAMP 1	7/18/2023	17:30:00 - 17:45:00	0.063	0.365	0.069	0.038	17611.767	0.042
REI CAMP 1	7/18/2023	17:45:00 - 18:00:00	0.067	0.365	0.069	0.038	18511.5	0.044
REI CAMP 1	7/18/2023	18:00:00 - 18:15:00	0.061	0.365	0.069	0.038	19411.4	0.046
REI CAMP 1	7/18/2023	18:15:00 - 18:30:00	0.07	0.365	0.068	0.038	20311.3	0.048
REI CAMP 1	7/18/2023	18:30:00 - 18:45:00	0.065	0.365	0.068	0.038	21211.517	0.05
REI CAMP 1	7/18/2023	18:45:00 - 19:00:00	0.065	0.365	0.068	0.038	22111.5	0.052
REI CAMP 1	7/18/2023	19:00:00 - 19:15:00	0.068	0.365	0.068	0.038	23011.5	0.054
REI CAMP 1	7/18/2023	19:15:00 - 19:30:00	0.069	0.365	0.068	0.038	23911.5	0.057
REI CAMP 1	7/18/2023	19:30:00 - 19:45:00	0.067	0.365	0.068	0.038	24811.5	0.059
REI CAMP 1	7/18/2023	19:45:00 - 20:00:00	0.066	0.365	0.068	0.038	25711.5	0.061
REI CAMP 1	7/18/2023	20:00:00 - 20:15:00	0.066	0.365	0.068	0.038	26611.5	0.063
REI CAMP 1	7/18/2023	20:15:00 - 20:30:00	0.068	0.365	0.068	0.038	27511.5	0.065
REI CAMP 1	7/18/2023	20:30:00 - 20:45:00	0.061	0.365	0.068	0.038	28411.5	0.067
REI CAMP 1	7/18/2023	20:45:00 - 21:00:00	0.063	0.365	0.068	0.038	29311.533	0.068
REI CAMP 1	7/18/2023	21:00:00 - 21:15:00	0.059	0.365	0.068	0.038	29994.032	0.068
REI CAMP 1	7/19/2023	07:00:00 - 07:15:00	0.04	-24999.957	0.039	0.037	274.075	0
REI CAMP 1	7/19/2023	07:15:00 - 07:30:00	0.042	0.046	0.042	0.039	1023.5	0.001

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 1	7/19/2023	07:30:00 - 07:45:00	0.041	0.046	0.042	0.039	1923.5	0.003
REI CAMP 1	7/19/2023	07:45:00 - 08:00:00	0.042	0.046	0.042	0.039	2823.5	0.004
REI CAMP 1	7/19/2023	08:00:00 - 08:15:00	0.043	0.046	0.042	0.039	3723.733	0.005
REI CAMP 1	7/19/2023	08:15:00 - 08:30:00	0.044	0.046	0.042	0.039	4623.667	0.007
REI CAMP 1	7/19/2023	08:30:00 - 08:45:00	0.046	0.047	0.043	0.039	5523.617	0.008
REI CAMP 1	7/19/2023	08:45:00 - 09:00:00	0.049	0.05	0.043	0.039	6423.567	0.01
REI CAMP 1	7/19/2023	09:00:00 - 09:15:00	0.049	0.054	0.044	0.039	7323.55	0.011
REI CAMP 1	7/19/2023	09:15:00 - 09:30:00	0.054	0.057	0.045	0.039	8223.383	0.013
REI CAMP 1	7/19/2023	09:30:00 - 09:45:00	0.055	0.059	0.046	0.039	9124	0.014
REI CAMP 1	7/19/2023	09:45:00 - 10:00:00	0.056	0.059	0.047	0.039	10024.117	0.016
REI CAMP 1	7/19/2023	10:00:00 - 10:15:00	0.058	0.06	0.047	0.039	10923.65	0.018
REI CAMP 1	7/19/2023	10:15:00 - 10:30:00	0.054	0.061	0.048	0.039	11823.5	0.02
REI CAMP 1	7/19/2023	10:30:00 - 10:45:00	0.051	0.061	0.049	0.039	12723.5	0.021
REI CAMP 1	7/19/2023	10:45:00 - 11:00:00	0.044	0.071	0.048	0.039	13623.5	0.023
REI CAMP 1	7/19/2023	11:00:00 - 11:15:00	0.037	0.071	0.048	0.036	14523.5	0.024
REI CAMP 1	7/19/2023	11:15:00 - 11:30:00	0.038	0.071	0.047	0.034	15423.5	0.025
REI CAMP 1	7/19/2023	11:30:00 - 11:45:00	0.041	0.071	0.047	0.034	16323.5	0.027
REI CAMP 1	7/19/2023	11:45:00 - 12:00:00	0.035	0.071	0.046	0.034	17223.5	0.028
REI CAMP 1	7/19/2023	12:00:00 - 12:15:00	0.034	0.071	0.046	0.032	18123.5	0.029
REI CAMP 1	7/19/2023	12:15:00 - 12:30:00	0.029	0.071	0.045	0.027	19023.5	0.03
REI CAMP 1	7/19/2023	12:30:00 - 12:45:00	0.019	0.071	0.044	0.017	19916.466	0.031
REI CAMP 1	7/19/2023	12:45:00 - 13:00:00	0.015	0.071	0.043	0.013	20815.5	0.031
REI CAMP 1	7/19/2023	13:00:00 - 13:15:00	0.018	0.071	0.042	0.013	21715.117	0.032
REI CAMP 1	7/19/2023	13:15:00 - 13:30:00	0.017	0.071	0.041	0.012	22614.85	0.032
REI CAMP 1	7/19/2023	13:30:00 - 13:45:00	0.022	0.118	0.04	0.012	23514.717	0.033
REI CAMP 1	7/19/2023	13:45:00 - 14:00:00	0.014	0.15	0.039	0.012	24414.6	0.033
REI CAMP 1	7/19/2023	14:00:00 - 14:15:00	0.013	0.15	0.038	0.012	25315.05	0.034
REI CAMP 1	7/19/2023	14:15:00 - 14:30:00	0.019	0.153	0.038	0.012	26215.25	0.034
REI CAMP 1	7/19/2023	14:30:00 - 14:45:00	0.021	0.155	0.037	0.012	27115.133	0.035
REI CAMP 1	7/19/2023	14:45:00 - 15:00:00	0.018	0.155	0.037	0.011	28015.05	0.036
REI CAMP 1	7/19/2023	15:00:00 - 15:15:00	0.022	0.155	0.036	0.011	28915.283	0.036
REI CAMP 1	7/19/2023	15:15:00 - 15:30:00	0.015	0.155	0.035	0.011	29815.5	0.036
REI CAMP 1	7/19/2023	15:30:00 - 15:45:00	0.014	0.155	0.035	0.011	30715.5	0.036
REI CAMP 1	7/19/2023	15:45:00 - 16:00:00	0.012	0.155	0.034	0.011	31615.5	0.036
REI CAMP 1	7/19/2023	16:00:00 - 16:15:00	0.012	0.155	0.034	0.011	32514.883	0.036
REI CAMP 1	7/19/2023	16:15:00 - 16:30:00	0.012	0.155	0.033	0.011	33414.5	0.036
REI CAMP 1	7/19/2023	16:30:00 - 16:45:00	0.012	0.155	0.032	0.011	34315.433	0.036
REI CAMP 1	7/19/2023	16:45:00 - 17:00:00	0.015	0.155	0.032	0.011	35215.5	0.036
REI CAMP 1	7/19/2023	17:00:00 - 17:15:00	0.014	0.155	0.032	0.011	36114.883	0.036
REI CAMP 1	7/19/2023	17:15:00 - 17:30:00	0.013	0.155	0.031	0.011	37014.5	0.036
REI CAMP 1	7/19/2023	17:30:00 - 17:45:00	0.014	0.155	0.031	0.011	37914.5	0.036
REI CAMP 1	7/19/2023	17:45:00 - 18:00:00	0.02	0.155	0.03	0.011	38814.5	0.036
REI CAMP 1	7/19/2023	18:00:00 - 18:15:00	0.02	0.155	0.03	0.011	39714.533	0.036
REI CAMP 1	7/19/2023	18:15:00 - 18:30:00	0.014	0.155	0.03	0.011	40609.237	0.036
REI CAMP 1	7/19/2023	18:30:00 - 18:45:00	0.013	0.155	0.03	0.011	41454	0.036
REI CAMP 1	7/20/2023	07:15:00 - 07:30:00	0.014	-27777.763	0.013	0.011	228.25	0
REI CAMP 1	7/20/2023	07:30:00 - 07:45:00	0.016	0.018	0.016	0.012	946.5	0.001
REI CAMP 1	7/20/2023	07:45:00 - 08:00:00	0.015	0.02	0.015	0.012	1846.5	0.001
REI CAMP 1	7/20/2023	08:00:00 - 08:15:00	0.012	0.02	0.015	0.011	2746.5	0.001
REI CAMP 1	7/20/2023	08:15:00 - 08:30:00	0.014	0.02	0.014	0.01	3646.05	0.002
REI CAMP 1	7/20/2023	08:30:00 - 08:45:00	0.014	0.02	0.014	0.01	4545.633	0.002
REI CAMP 1	7/20/2023	08:45:00 - 09:00:00	0.016	0.02	0.014	0.01	5446.517	0.003
REI CAMP 1	7/20/2023	09:00:00 - 09:15:00	0.017	0.023	0.015	0.01	6346.5	0.003
REI CAMP 1	7/20/2023	09:15:00 - 09:30:00	0.018	0.028	0.015	0.01	7246.433	0.004
REI CAMP 1	7/20/2023	09:30:00 - 09:45:00	0.021	0.033	0.015	0.01	8146.25	0.004
REI CAMP 1	7/20/2023	09:45:00 - 10:00:00	0.02	0.048	0.016	0.01	9046.033	0.005
REI CAMP 1	7/20/2023	10:00:00 - 10:15:00	0.025	0.048	0.017	0.01	9945.917	0.006
REI CAMP 1	7/20/2023	10:15:00 - 10:30:00	0.022	0.048	0.017	0.01	10846.2	0.006
REI CAMP 1	7/20/2023	10:30:00 - 10:45:00	0.027	0.049	0.018	0.01	11746.5	0.007
REI CAMP 1	7/20/2023	10:45:00 - 11:00:00	0.026	0.066	0.018	0.01	12646.5	0.008
REI CAMP 1	7/20/2023	11:00:00 - 11:15:00	0.026	0.066	0.019	0.01	13546.35	0.009
REI CAMP 1	7/20/2023	11:15:00 - 11:30:00	0.025	0.066	0.019	0.01	14446.367	0.01
REI CAMP 1	7/20/2023	11:30:00 - 11:45:00	0.026	0.066	0.02	0.01	15346.5	0.01
REI CAMP 1	7/20/2023	11:45:00 - 12:00:00	0.021	0.066	0.02	0.01	16246.5	0.011
REI CAMP 1	7/20/2023	12:00:00 - 12:15:00	0.023	0.066	0.02	0.01	17146.5	0.012
REI CAMP 1	7/20/2023	12:15:00 - 12:30:00	0.019	0.067	0.02	0.01	18045.95	0.013
REI CAMP 1	7/20/2023	12:30:00 - 12:45:00	0.021	0.067	0.02	0.01	18945.5	0.013
REI CAMP 1	7/20/2023	12:45:00 - 13:00:00	0.012	0.067	0.02	0.01	19845.5	0.014
REI CAMP 1	7/20/2023	13:00:00 - 13:15:00	0.01	0.067	0.019	0.009	20745.5	0.014
REI CAMP 1	7/20/2023	13:15:00 - 13:30:00	0.011	0.067	0.019	0.009	21645.567	0.014
REI CAMP 1	7/20/2023	13:30:00 - 13:45:00	0.01	0.067	0.019	0.008	22545.5	0.015
REI CAMP 1	7/20/2023	13:45:00 - 14:00:00	0.008	0.067	0.018	0.006	23445.517	0.015
REI CAMP 1	7/20/2023	14:00:00 - 14:15:00	0.01	0.067	0.018	0.006	24345.5	0.015
REI CAMP 1	7/20/2023	14:15:00 - 14:30:00	0.011	0.067	0.018	0.006	25245.817	0.016
REI CAMP 1	7/20/2023	14:30:00 - 14:45:00	0.01	0.067	0.017	0.006	26145.983	0.016
REI CAMP 1	7/20/2023	14:45:00 - 15:00:00	0.01	0.067	0.017	0.006	27046.483	0.016
REI CAMP 1	7/20/2023	15:00:00 - 15:15:00	0.01	0.067	0.017	0.006	27945.683	0.016
REI CAMP 1	7/20/2023	15:15:00 - 15:30:00	0.007	0.067	0.017	0.006	28845.667	0.017
REI CAMP 1	7/20/2023	15:30:00 - 15:45:00	0.007	0.067	0.016	0.006	29745.5	0.017
REI CAMP 1	7/20/2023	15:45:00 - 16:00:00	0.008	0.067	0.016	0.006	30645.5	0.017
REI CAMP 1	7/20/2023	16:00:00 - 16:15:00	0.007	0.067	0.016	0.006	31545.5	0.017
REI CAMP 1	7/20/2023	16:15:00 - 16:30:00	0.008	0.067	0.016	0.006	32445.417	0.017
REI CAMP 1	7/20/2023	16:30:00 - 16:45:00	0.008	0.067	0.015	0.006	33255.458	0.017
REI CAMP 1	7/21/2023	07:15:00 - 07:30:00	0.031	-19607.812	0.03	0.024	353.882	0
REI CAMP 1	7/21/2023	07:30:00 - 07:45:00	0.035	0.037	0.034	0.026	1185.717	0.001
REI CAMP 1	7/21/2023	07:45:00 - 08:00:00	0.04	0.051	0.035	0.026	2085.6	0.003
REI CAMP 1	7/21/2023	08:00:00 - 08:15:00	0.036	0.075	0.036	0.026	2985.5	0.004
REI CAMP 1	7/21/2023	08:15:00 - 08:30:00	0.033	0.075	0.036	0.026	3886.317	0.005
REI CAMP 1	7/21/2023	08:30:00 - 08:45:00	0.032	0.075	0.035	0.026	4786.5	0.006
REI CAMP 1	7/21/2023	08:45:00 - 09:00:00	0.031	0.075	0.035	0.026	5686.5	0.007
REI CAMP 1	7/21/2023	09:00:00 - 09:15:00	0.031	0.075	0.034	0.026	6586.5	0.008
REI CAMP 1	7/21/2023	09:15:00 - 09:30:00	0.035	0.075	0.034	0.026	7485.683	0.009
REI CAMP 1	7/21/2023	09:30:00 - 09:45:00	0.034	0.075	0.034	0.026	8385.5	0.01
REI CAMP 1	7/21/2023	09:45:00 - 10:00:00	0.03	0.075	0.034	0.026	9285.5	0.011

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 1	7/21/2023	10:00:00 - 10:15:00	0.032	0.075	0.034	0.026	10185.5	0.012
REI CAMP 1	7/21/2023	10:15:00 - 10:30:00	0.03	0.075	0.033	0.026	11085.533	0.013
REI CAMP 1	7/21/2023	10:30:00 - 10:45:00	0.031	0.075	0.033	0.026	11985.5	0.014
REI CAMP 1	7/21/2023	10:45:00 - 11:00:00	0.03	0.075	0.033	0.026	12885.5	0.015
REI CAMP 1	7/21/2023	11:00:00 - 11:15:00	0.031	0.075	0.033	0.026	13785.5	0.016
REI CAMP 1	7/21/2023	11:15:00 - 11:30:00	0.027	0.075	0.033	0.025	14686	0.017
REI CAMP 1	7/21/2023	11:30:00 - 11:45:00	0.027	0.075	0.032	0.025	15585.867	0.017
REI CAMP 1	7/21/2023	11:45:00 - 12:00:00	0.026	0.075	0.032	0.024	16485.783	0.018
REI CAMP 1	7/21/2023	12:00:00 - 12:15:00	0.029	0.075	0.032	0.024	17385.55	0.019
REI CAMP 1	7/21/2023	12:15:00 - 12:30:00	0.031	0.076	0.032	0.024	18285.45	0.02
REI CAMP 1	7/21/2023	12:30:00 - 12:45:00	0.027	0.076	0.032	0.024	19185.283	0.021
REI CAMP 1	7/21/2023	12:45:00 - 13:00:00	0.029	0.076	0.031	0.024	20085.083	0.022
REI CAMP 1	7/21/2023	13:00:00 - 13:15:00	0.034	0.141	0.031	0.024	20984.95	0.023
REI CAMP 1	7/21/2023	13:15:00 - 13:30:00	0.028	0.174	0.031	0.024	21885.383	0.024
REI CAMP 1	7/21/2023	13:30:00 - 13:45:00	0.036	0.174	0.031	0.024	22785.5	0.025
REI CAMP 1	7/21/2023	13:45:00 - 14:00:00	0.029	0.174	0.031	0.024	23685.5	0.026
REI CAMP 1	7/21/2023	14:00:00 - 14:15:00	0.028	0.174	0.031	0.024	24585.467	0.027
REI CAMP 1	7/21/2023	14:15:00 - 14:30:00	0.036	0.174	0.031	0.024	25485.433	0.028
REI CAMP 1	7/21/2023	14:30:00 - 14:45:00	0.028	0.174	0.031	0.024	26385.333	0.029
REI CAMP 1	7/21/2023	14:45:00 - 15:00:00	0.033	0.174	0.031	0.024	27285.067	0.03
REI CAMP 1	7/21/2023	15:00:00 - 15:15:00	0.032	0.174	0.031	0.024	28184.817	0.031
REI CAMP 1	7/21/2023	15:15:00 - 15:30:00	0.029	0.174	0.031	0.024	29085.35	0.031
REI CAMP 1	7/21/2023	15:30:00 - 15:45:00	0.03	0.174	0.031	0.024	29985.5	0.031
REI CAMP 1	7/21/2023	15:45:00 - 16:00:00	0.039	0.174	0.031	0.024	30885.5	0.031
REI CAMP 1	7/21/2023	16:00:00 - 16:15:00	0.031	0.174	0.031	0.024	31785.317	0.031
REI CAMP 1	7/21/2023	16:15:00 - 16:30:00	0.038	0.174	0.032	0.024	32684.65	0.031
REI CAMP 1	7/21/2023	16:30:00 - 16:45:00	0.044	0.174	0.032	0.024	33584.5	0.031
REI CAMP 1	7/21/2023	16:45:00 - 17:00:00	0.038	0.174	0.032	0.024	34484.5	0.031
REI CAMP 1	7/21/2023	17:00:00 - 17:15:00	0.034	0.174	0.032	0.024	35384.5	0.031
REI CAMP 1	7/21/2023	17:15:00 - 17:30:00	0.035	0.174	0.032	0.024	36284.5	0.031
REI CAMP 1	7/21/2023	17:30:00 - 17:45:00	0.034	0.174	0.032	0.024	37184.5	0.031
REI CAMP 1	7/21/2023	17:45:00 - 18:00:00	0.034	0.174	0.032	0.024	38070.672	0.031
REI CAMP 1	7/21/2023	18:00:00 - 18:15:00	0.038	0.174	0.032	0.024	38993.431	0.031
REI CAMP 1	7/21/2023	18:15:00 - 18:30:00	0.035	0.174	0.033	0.024	39823.788	0.031
REI CAMP 1	7/24/2023	07:45:00 - 08:00:00	0.1	-83333.242	0.088	0.079	71.5	0
REI CAMP 1	7/24/2023	08:00:00 - 08:15:00	0.117	0.118	0.114	0.095	610.5	0.001
REI CAMP 1	7/24/2023	08:15:00 - 08:30:00	0.122	0.124	0.117	0.095	1510.5	0.006
REI CAMP 1	7/24/2023	08:30:00 - 08:45:00	0.128	0.131	0.12	0.095	2410.5	0.01
REI CAMP 1	7/24/2023	08:45:00 - 09:00:00	0.132	0.137	0.123	0.095	3310.667	0.014
REI CAMP 1	7/24/2023	09:00:00 - 09:15:00	0.13	0.137	0.125	0.095	4211.183	0.018
REI CAMP 1	7/24/2023	09:15:00 - 09:30:00	0.133	0.137	0.126	0.095	5110.95	0.022
REI CAMP 1	7/24/2023	09:30:00 - 09:45:00	0.138	0.141	0.127	0.095	6010.85	0.027
REI CAMP 1	7/24/2023	09:45:00 - 10:00:00	0.135	0.143	0.129	0.095	6910.733	0.031
REI CAMP 1	7/24/2023	10:00:00 - 10:15:00	0.136	0.143	0.129	0.095	7810.5	0.035
REI CAMP 1	7/24/2023	10:15:00 - 10:30:00	0.139	0.143	0.13	0.095	8710.5	0.039
REI CAMP 1	7/24/2023	10:30:00 - 10:45:00	0.127	0.143	0.131	0.095	9610.417	0.044
REI CAMP 1	7/24/2023	10:45:00 - 11:00:00	0.125	0.143	0.13	0.095	10510.233	0.048
REI CAMP 1	7/24/2023	11:00:00 - 11:15:00	0.118	0.143	0.13	0.095	11410.5	0.051
REI CAMP 1	7/24/2023	11:15:00 - 11:30:00	0.12	0.143	0.129	0.095	12310.5	0.055
REI CAMP 1	7/24/2023	11:30:00 - 11:45:00	0.115	0.143	0.128	0.095	13210.5	0.059
REI CAMP 1	7/24/2023	11:45:00 - 12:00:00	0.106	0.143	0.127	0.095	14110.5	0.062
REI CAMP 1	7/24/2023	12:00:00 - 12:15:00	0.115	0.143	0.126	0.095	15010.5	0.066
REI CAMP 1	7/24/2023	12:15:00 - 12:30:00	0.11	0.143	0.125	0.095	15910.5	0.069
REI CAMP 1	7/24/2023	12:30:00 - 12:45:00	0.111	0.143	0.124	0.095	16810.5	0.073
REI CAMP 1	7/24/2023	12:45:00 - 13:00:00	0.106	0.143	0.124	0.095	17710.317	0.076
REI CAMP 1	7/24/2023	13:00:00 - 13:15:00	0.108	0.143	0.123	0.095	18609.5	0.079
REI CAMP 1	7/24/2023	13:15:00 - 13:30:00	0.113	0.143	0.122	0.095	19509.5	0.083
REI CAMP 1	7/24/2023	13:30:00 - 13:45:00	0.12	0.143	0.122	0.095	20409.5	0.086
REI CAMP 1	7/24/2023	13:45:00 - 14:00:00	0.134	0.144	0.122	0.095	21309.567	0.09
REI CAMP 1	7/24/2023	14:00:00 - 14:15:00	0.145	0.152	0.123	0.095	22209.617	0.095
REI CAMP 1	7/24/2023	14:15:00 - 14:30:00	0.151	0.161	0.124	0.095	23109.5	0.099
REI CAMP 1	7/24/2023	14:30:00 - 14:45:00	0.155	0.174	0.125	0.095	24009.5	0.104
REI CAMP 1	7/24/2023	14:45:00 - 15:00:00	0.157	0.174	0.126	0.095	24909.633	0.109
REI CAMP 1	7/24/2023	15:00:00 - 15:15:00	0.157	0.174	0.127	0.095	25810.167	0.114
REI CAMP 1	7/24/2023	15:15:00 - 15:30:00	0.162	0.174	0.128	0.095	26710	0.119
REI CAMP 1	7/24/2023	15:30:00 - 15:45:00	0.159	0.174	0.129	0.095	27609.9	0.124
REI CAMP 1	7/24/2023	15:45:00 - 16:00:00	0.158	0.175	0.13	0.095	28509.667	0.129
REI CAMP 1	7/24/2023	16:00:00 - 16:15:00	0.155	0.181	0.131	0.095	29409.5	0.13
REI CAMP 1	7/24/2023	16:15:00 - 16:30:00	0.157	0.181	0.131	0.095	29957	0.13
REI CAMP 1	7/25/2023	07:45:00 - 08:00:00	0.039	-23809.484	0.038	0.033	299.69	0
REI CAMP 1	7/25/2023	08:00:00 - 08:15:00	0.04	0.042	0.04	0.035	1064.5	0.001
REI CAMP 1	7/25/2023	08:15:00 - 08:30:00	0.039	0.042	0.04	0.035	1964.5	0.003
REI CAMP 1	7/25/2023	08:30:00 - 08:45:00	0.037	0.042	0.039	0.035	2864.5	0.004
REI CAMP 1	7/25/2023	08:45:00 - 09:00:00	0.036	0.042	0.039	0.034	3764.483	0.005
REI CAMP 1	7/25/2023	09:00:00 - 09:15:00	0.04	0.042	0.038	0.034	4664.5	0.006
REI CAMP 1	7/25/2023	09:15:00 - 09:30:00	0.044	0.045	0.039	0.034	5564.5	0.008
REI CAMP 1	7/25/2023	09:30:00 - 09:45:00	0.045	0.048	0.04	0.034	6464.5	0.009
REI CAMP 1	7/25/2023	09:45:00 - 10:00:00	0.049	0.05	0.041	0.034	7363.817	0.01
REI CAMP 1	7/25/2023	10:00:00 - 10:15:00	0.052	0.055	0.042	0.034	8263.5	0.012
REI CAMP 1	7/25/2023	10:15:00 - 10:30:00	0.056	0.057	0.043	0.034	9163.5	0.014
REI CAMP 1	7/25/2023	10:30:00 - 10:45:00	0.062	0.063	0.044	0.034	10063.5	0.015
REI CAMP 1	7/25/2023	10:45:00 - 11:00:00	0.084	0.087	0.047	0.034	10963.5	0.018
REI CAMP 1	7/25/2023	11:00:00 - 11:15:00	0.086	0.095	0.05	0.034	11863.5	0.02
REI CAMP 1	7/25/2023	11:15:00 - 11:30:00	0.085	0.096	0.052	0.034	12763.517	0.023
REI CAMP 1	7/25/2023	11:30:00 - 11:45:00	0.091	0.096	0.055	0.034	13663.517	0.026
REI CAMP 1	7/25/2023	11:45:00 - 12:00:00	0.093	0.103	0.057	0.034	14564.183	0.029
REI CAMP 1	7/25/2023	12:00:00 - 12:15:00	0.089	0.104	0.059	0.034	15463.7	0.032
REI CAMP 1	7/25/2023	12:15:00 - 12:30:00	0.092	0.115	0.061	0.034	16363.5	0.034
REI CAMP 1	7/25/2023	12:30:00 - 12:45:00	0.082	0.139	0.062	0.034	17263.517	0.037
REI CAMP 1	7/25/2023	12:45:00 - 13:00:00	0.084	0.139	0.063	0.034	18156.034	0.04
REI CAMP 1	7/25/2023	13:00:00 - 13:15:00	0.084	0.139	0.064	0.034	19048.5	0.042
REI CAMP 1	7/25/2023	13:15:00 - 13:30:00	0.085	0.139	0.065	0.034	19956	0.045
REI CAMP 1	7/25/2023	13:30:00 - 13:45:00	0.085	0.139	0.066	0.034	20856	0.048
REI CAMP 1	7/25/2023	13:45:00 - 14:00:00	0.089	0.139	0.067	0.034	21748.5	0.05

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 1	7/25/2023	14:00:00 - 14:15:00	0.089	0.139	0.067	0.034	22648.5	0.053
REI CAMP 1	7/25/2023	14:15:00 - 14:30:00	0.085	0.139	0.068	0.034	23548.5	0.056
REI CAMP 1	7/25/2023	14:30:00 - 14:45:00	0.085	0.139	0.069	0.034	24448.5	0.058
REI CAMP 1	7/25/2023	14:45:00 - 15:00:00	0.088	0.139	0.07	0.034	25348.5	0.061
REI CAMP 1	7/25/2023	15:00:00 - 15:15:00	0.08	0.152	0.07	0.034	26248.5	0.064
REI CAMP 1	7/25/2023	15:15:00 - 15:30:00	0.079	0.247	0.07	0.034	27148.5	0.066
REI CAMP 1	7/25/2023	15:30:00 - 15:45:00	0.078	0.247	0.071	0.034	28048.5	0.069
REI CAMP 1	7/25/2023	15:45:00 - 16:00:00	0.077	0.247	0.071	0.034	28948.467	0.071
REI CAMP 1	7/25/2023	16:00:00 - 16:15:00	0.082	0.247	0.071	0.034	29848.5	0.071
REI CAMP 1	7/25/2023	16:15:00 - 16:30:00	0.073	0.247	0.071	0.034	30748.5	0.071
REI CAMP 1	7/25/2023	16:30:00 - 16:45:00	0.084	0.247	0.072	0.034	31648.5	0.071
REI CAMP 1	7/25/2023	16:45:00 - 17:00:00	0.083	0.247	0.072	0.034	32548.5	0.071
REI CAMP 1	7/25/2023	17:00:00 - 17:15:00	0.075	0.247	0.072	0.034	33448.5	0.071
REI CAMP 1	7/25/2023	17:15:00 - 17:30:00	0.071	0.247	0.072	0.034	34348.5	0.071
REI CAMP 1	7/25/2023	17:30:00 - 17:45:00	0.074	0.247	0.072	0.034	35248.5	0.071
REI CAMP 1	7/25/2023	17:45:00 - 18:00:00	0.067	0.247	0.072	0.034	36148.5	0.071
REI CAMP 1	7/25/2023	18:00:00 - 18:15:00	0.071	0.247	0.072	0.034	37048.5	0.071
REI CAMP 1	7/25/2023	18:15:00 - 18:30:00	0.071	0.247	0.072	0.034	37948.5	0.071
REI CAMP 1	7/25/2023	18:30:00 - 18:45:00	0.075	0.247	0.072	0.034	38645.848	0.071
REI CAMP 1	7/26/2023	08:00:00 - 08:15:00	0.11	-17543.749	0.107	0.088	383.228	0
REI CAMP 1	7/26/2023	08:15:00 - 08:30:00	0.113	0.12	0.115	0.095	1259.5	0.005
REI CAMP 1	7/26/2023	08:30:00 - 08:45:00	0.111	0.12	0.114	0.095	2159.5	0.009
REI CAMP 1	7/26/2023	08:45:00 - 09:00:00	0.11	0.12	0.113	0.095	3059.5	0.012
REI CAMP 1	7/26/2023	09:00:00 - 09:15:00	0.109	0.12	0.112	0.095	3960.05	0.015
REI CAMP 1	7/26/2023	09:15:00 - 09:30:00	0.108	0.12	0.112	0.095	4859.883	0.019
REI CAMP 1	7/26/2023	09:30:00 - 09:45:00	0.107	0.12	0.111	0.095	5759.75	0.022
REI CAMP 1	7/26/2023	09:45:00 - 10:00:00	0.097	0.12	0.11	0.092	6659.583	0.025
REI CAMP 1	7/26/2023	10:00:00 - 10:15:00	0.093	0.12	0.108	0.09	7559.5	0.028
REI CAMP 1	7/26/2023	10:15:00 - 10:30:00	0.085	0.12	0.106	0.083	8459.467	0.031
REI CAMP 1	7/26/2023	10:30:00 - 10:45:00	0.082	0.12	0.104	0.08	9359.267	0.034
REI CAMP 1	7/26/2023	10:45:00 - 11:00:00	0.083	0.12	0.102	0.079	10259.05	0.036
REI CAMP 1	7/26/2023	11:00:00 - 11:15:00	0.079	0.12	0.1	0.077	11159.467	0.039
REI CAMP 1	7/26/2023	11:15:00 - 11:30:00	0.074	0.12	0.099	0.07	12059.5	0.041
REI CAMP 1	7/26/2023	11:30:00 - 11:45:00	0.07	0.12	0.097	0.067	12959.5	0.043
REI CAMP 1	7/26/2023	11:45:00 - 12:00:00	0.064	0.12	0.095	0.063	13859.467	0.046
REI CAMP 1	7/26/2023	12:00:00 - 12:15:00	0.062	0.12	0.093	0.06	14759.483	0.048
REI CAMP 1	7/26/2023	12:15:00 - 12:30:00	0.059	0.12	0.091	0.056	15659.5	0.049
REI CAMP 1	7/26/2023	12:30:00 - 12:45:00	0.056	0.12	0.089	0.051	16559.5	0.051
REI CAMP 1	7/26/2023	12:45:00 - 13:00:00	0.049	0.12	0.087	0.048	17459.5	0.053
REI CAMP 1	7/26/2023	13:00:00 - 13:15:00	0.041	0.12	0.085	0.036	18360.333	0.054
REI CAMP 1	7/26/2023	13:15:00 - 13:30:00	0.029	0.12	0.083	0.026	19268.35	0.055
REI CAMP 1	7/26/2023	13:30:00 - 13:45:00	0.026	0.12	0.08	0.019	20168.5	0.056
REI CAMP 1	7/26/2023	13:45:00 - 14:00:00	0.019	0.12	0.078	0.016	21068.5	0.057
REI CAMP 1	7/26/2023	14:00:00 - 14:15:00	0.014	0.12	0.075	0.013	21967.883	0.057
REI CAMP 1	7/26/2023	14:15:00 - 14:30:00	0.019	0.12	0.073	0.013	22867.683	0.058
REI CAMP 1	7/26/2023	14:30:00 - 14:45:00	0.02	0.12	0.071	0.013	23767.517	0.059
REI CAMP 1	7/26/2023	14:45:00 - 15:00:00	0.021	0.12	0.069	0.013	24667.5	0.059
REI CAMP 1	7/26/2023	15:00:00 - 15:15:00	0.023	0.12	0.067	0.013	25567.967	0.06
REI CAMP 1	7/26/2023	15:15:00 - 15:30:00	0.017	0.12	0.066	0.013	26467.883	0.061
REI CAMP 1	7/26/2023	15:30:00 - 15:45:00	0.017	0.12	0.064	0.013	27367.75	0.061
REI CAMP 1	7/26/2023	15:45:00 - 16:00:00	0.027	0.12	0.063	0.013	28267.633	0.062
REI CAMP 1	7/26/2023	16:00:00 - 16:15:00	0.02	0.12	0.062	0.012	29167.633	0.062
REI CAMP 1	7/26/2023	16:15:00 - 16:30:00	0.027	0.12	0.061	0.012	30067.5	0.062
REI CAMP 1	7/26/2023	16:30:00 - 16:45:00	0.019	0.12	0.059	0.012	30967.5	0.062
REI CAMP 1	7/26/2023	16:45:00 - 17:00:00	0.018	0.12	0.058	0.012	31867.5	0.062
REI CAMP 1	7/26/2023	17:00:00 - 17:15:00	0.015	0.12	0.057	0.012	32767.967	0.062
REI CAMP 1	7/26/2023	17:15:00 - 17:30:00	0.015	0.12	0.056	0.012	33667.833	0.062
REI CAMP 1	7/26/2023	17:30:00 - 17:45:00	0.016	0.12	0.055	0.012	34365.182	0.062
REI CAMP 1	7/27/2023	07:45:00 - 08:00:00	0.058	-21276.538	0.054	0.041	320.745	0
REI CAMP 1	7/27/2023	08:00:00 - 08:15:00	0.063	0.065	0.062	0.044	1122.5	0.002
REI CAMP 1	7/27/2023	08:15:00 - 08:30:00	0.058	0.065	0.061	0.044	2022.5	0.004
REI CAMP 1	7/27/2023	08:30:00 - 08:45:00	0.054	0.065	0.059	0.044	2922.5	0.006
REI CAMP 1	7/27/2023	08:45:00 - 09:00:00	0.052	0.065	0.058	0.044	3822.5	0.008
REI CAMP 1	7/27/2023	09:00:00 - 09:15:00	0.053	0.065	0.057	0.044	4722.5	0.009
REI CAMP 1	7/27/2023	09:15:00 - 09:30:00	0.051	0.065	0.056	0.044	5622.5	0.011
REI CAMP 1	7/27/2023	09:30:00 - 09:45:00	0.049	0.065	0.055	0.044	6522.5	0.013
REI CAMP 1	7/27/2023	09:45:00 - 10:00:00	0.041	0.065	0.054	0.039	7421.75	0.014
REI CAMP 1	7/27/2023	10:00:00 - 10:15:00	0.04	0.065	0.052	0.037	8321.5	0.015
REI CAMP 1	7/27/2023	10:15:00 - 10:30:00	0.044	0.065	0.052	0.037	9222.367	0.016
REI CAMP 1	7/27/2023	10:30:00 - 10:45:00	0.04	0.065	0.051	0.037	10122.5	0.018
REI CAMP 1	7/27/2023	10:45:00 - 11:00:00	0.039	0.065	0.05	0.037	11021.9	0.019
REI CAMP 1	7/27/2023	11:00:00 - 11:15:00	0.033	0.065	0.049	0.033	11921.75	0.02
REI CAMP 1	7/27/2023	11:15:00 - 11:30:00	0.029	0.065	0.047	0.028	12821.65	0.021
REI CAMP 1	7/27/2023	11:30:00 - 11:45:00	0.025	0.065	0.046	0.025	13721.517	0.022
REI CAMP 1	7/27/2023	11:45:00 - 12:00:00	0.021	0.065	0.045	0.021	14621.917	0.023
REI CAMP 1	7/27/2023	12:00:00 - 12:15:00	0.021	0.065	0.043	0.02	15521.883	0.023
REI CAMP 1	7/27/2023	12:15:00 - 12:30:00	0.021	0.065	0.042	0.019	16421.717	0.024
REI CAMP 1	7/27/2023	12:30:00 - 12:45:00	0.021	0.065	0.041	0.019	17321.567	0.025
REI CAMP 1	7/27/2023	12:45:00 - 13:00:00	0.021	0.065	0.04	0.019	18222.183	0.025
REI CAMP 1	7/27/2023	13:00:00 - 13:15:00	0.02	0.065	0.039	0.019	19122.15	0.026
REI CAMP 1	7/27/2023	13:15:00 - 13:30:00	0.02	0.065	0.038	0.019	20022.05	0.027
REI CAMP 1	7/27/2023	13:30:00 - 13:45:00	0.019	0.065	0.037	0.018	20921.966	0.027
REI CAMP 1	7/27/2023	13:45:00 - 14:00:00	0.021	0.065	0.037	0.018	21822.1	0.028
REI CAMP 1	7/27/2023	14:00:00 - 14:15:00	0.021	0.065	0.036	0.018	22722.133	0.029
REI CAMP 1	7/27/2023	14:15:00 - 14:30:00	0.023	0.065	0.036	0.018	23621.917	0.029
REI CAMP 1	7/27/2023	14:30:00 - 14:45:00	0.024	0.065	0.035	0.018	24521.833	0.03
REI CAMP 1	7/27/2023	14:45:00 - 15:00:00	0.022	0.065	0.035	0.018	25422.017	0.031
REI CAMP 1	7/27/2023	15:00:00 - 15:15:00	0.024	0.065	0.034	0.018	26322	0.031
REI CAMP 1	7/27/2023	15:15:00 - 15:30:00	0.022	0.065	0.034	0.018	27221.817	0.032
REI CAMP 1	7/27/2023	15:30:00 - 15:45:00	0.021	0.065	0.034	0.018	28121.65	0.033
REI CAMP 1	7/27/2023	15:45:00 - 16:00:00	0.021	0.065	0.033	0.018	29021.267	0.033
REI CAMP 1	7/27/2023	16:00:00 - 16:15:00	0.02	0.065	0.033	0.018	29920.983	0.033
REI CAMP 1	7/27/2023	16:15:00 - 16:30:00	0.018	0.065	0.032	0.018	30788.245	0.033
REI CAMP 1	7/27/2023	16:30:00 - 16:45:00	0.017	0.065	0.032	0.016	31721.2	0.033

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 1	7/27/2023	16:45:00 - 17:00:00	0.017	0.065	0.032	0.016	32621.383	0.033
REI CAMP 1	7/27/2023	17:00:00 - 17:15:00	0.017	0.065	0.031	0.016	33521.483	0.033
REI CAMP 1	7/27/2023	17:15:00 - 17:30:00	0.018	0.065	0.031	0.016	34166.308	0.033

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 2	6/26/2023	15:15:00 - 15:30:00	0.125	0.479	0.128	0	309.5	0
REI CAMP 2	6/26/2023	15:30:00 - 15:45:00	0.12	0.479	0.123	0	1044.5	0.003
REI CAMP 2	6/26/2023	15:45:00 - 16:00:00	0.113	0.479	0.12	0	1944.5	0.008
REI CAMP 2	6/26/2023	16:00:00 - 16:15:00	0.104	0.479	0.117	0	2844.5	0.012
REI CAMP 2	6/26/2023	16:15:00 - 16:30:00	0.089	0.479	0.112	0	3744.35	0.015
REI CAMP 2	6/26/2023	16:30:00 - 16:45:00	0.085	0.479	0.107	0	4644	0.017
REI CAMP 2	6/26/2023	16:45:00 - 17:00:00	0.086	0.479	0.103	0	5543.9	0.02
REI CAMP 2	6/26/2023	17:00:00 - 17:15:00	0.087	0.479	0.101	0	6443.8	0.023
REI CAMP 2	6/26/2023	17:15:00 - 17:30:00	0.092	0.479	0.099	0	7343.583	0.025
REI CAMP 2	6/26/2023	17:30:00 - 17:45:00	0.102	0.479	0.099	0	7801	0.027
REI CAMP 2	6/27/2023	08:15:00 - 08:30:00	0.271	0.283	0.267	0.183	324.725	0
REI CAMP 2	6/27/2023	08:30:00 - 08:45:00	0.288	0.441	0.293	0.199	1154.7	0.01
REI CAMP 2	6/27/2023	08:45:00 - 09:00:00	0.283	0.57	0.289	0.199	2054.533	0.021
REI CAMP 2	6/27/2023	09:00:00 - 09:15:00	0.283	0.57	0.288	0.199	2954.5	0.03
REI CAMP 2	6/27/2023	09:15:00 - 09:30:00	0.279	0.57	0.286	0.199	3854.5	0.038
REI CAMP 2	6/27/2023	09:30:00 - 09:45:00	0.273	0.57	0.284	0.199	4754.5	0.047
REI CAMP 2	6/27/2023	09:45:00 - 10:00:00	0.269	0.57	0.282	0.199	5654.5	0.055
REI CAMP 2	6/27/2023	10:00:00 - 10:15:00	0.271	0.57	0.28	0.199	6554.5	0.064
REI CAMP 2	6/27/2023	10:15:00 - 10:30:00	0.276	0.57	0.279	0.199	7454.5	0.072
REI CAMP 2	6/27/2023	10:30:00 - 10:45:00	0.28	0.57	0.279	0.199	8354.5	0.081
REI CAMP 2	6/27/2023	10:45:00 - 11:00:00	0.287	0.57	0.28	0.199	9254.45	0.09
REI CAMP 2	6/27/2023	11:00:00 - 11:15:00	0.297	0.57	0.281	0.199	10154.333	0.099
REI CAMP 2	6/27/2023	11:15:00 - 11:30:00	0.311	0.57	0.283	0.199	11053.867	0.109
REI CAMP 2	6/27/2023	11:30:00 - 11:45:00	0.302	0.57	0.285	0.199	11953.65	0.118
REI CAMP 2	6/27/2023	11:45:00 - 12:00:00	0.291	0.57	0.286	0.199	12853.567	0.127
REI CAMP 2	6/27/2023	12:00:00 - 12:15:00	0.262	0.57	0.285	0.199	13754.45	0.136
REI CAMP 2	6/27/2023	12:15:00 - 12:30:00	0.246	0.57	0.283	0.199	14654.5	0.144
REI CAMP 2	6/27/2023	12:30:00 - 12:45:00	0.209	0.57	0.28	0.195	15554.5	0.151
REI CAMP 2	6/27/2023	12:45:00 - 13:00:00	0.21	0.57	0.276	0.188	16454.5	0.158
REI CAMP 2	6/27/2023	13:00:00 - 13:15:00	0.197	0.57	0.272	0.187	17354.5	0.164
REI CAMP 2	6/27/2023	13:15:00 - 13:30:00	0.185	0.57	0.268	0.18	18254.5	0.17
REI CAMP 2	6/27/2023	13:30:00 - 13:45:00	0.172	0.57	0.264	0.164	19154.5	0.176
REI CAMP 2	6/27/2023	13:45:00 - 14:00:00	0.157	0.57	0.26	0.151	20054.5	0.181
REI CAMP 2	6/27/2023	14:00:00 - 14:15:00	0.151	0.57	0.255	0.132	20954.5	0.185
REI CAMP 2	6/27/2023	14:15:00 - 14:30:00	0.111	0.57	0.25	0.104	21854.25	0.19
REI CAMP 2	6/27/2023	14:30:00 - 14:45:00	0.114	0.57	0.244	0.102	22754.05	0.193
REI CAMP 2	6/27/2023	14:45:00 - 15:00:00	0.116	0.57	0.239	0.102	23653.967	0.197
REI CAMP 2	6/27/2023	15:00:00 - 15:15:00	0.103	0.57	0.235	0.098	24553.733	0.2
REI CAMP 2	6/27/2023	15:15:00 - 15:30:00	0.094	0.57	0.23	0.089	25453.533	0.203
REI CAMP 2	6/27/2023	15:30:00 - 15:45:00	0.085	0.57	0.225	0.082	26353.5	0.206
REI CAMP 2	6/27/2023	15:45:00 - 16:00:00	0.087	0.57	0.221	0.081	27253.5	0.209
REI CAMP 2	6/27/2023	16:00:00 - 16:15:00	0.088	0.57	0.216	0.078	28153.5	0.211
REI CAMP 2	6/27/2023	16:15:00 - 16:30:00	0.081	0.57	0.212	0.076	29053.5	0.213
REI CAMP 2	6/27/2023	16:30:00 - 16:45:00	0.076	0.57	0.208	0.072	29953.5	0.213
REI CAMP 2	6/27/2023	16:45:00 - 17:00:00	0.076	0.57	0.204	0.072	30853.5	0.213
REI CAMP 2	6/27/2023	17:00:00 - 17:15:00	0.077	0.57	0.201	0.071	31753.5	0.213
REI CAMP 2	6/27/2023	17:15:00 - 17:30:00	0.074	0.57	0.197	0.07	32653.5	0.213
REI CAMP 2	6/27/2023	17:30:00 - 17:45:00	0.071	0.57	0.194	0.067	33554.2	0.213
REI CAMP 2	6/27/2023	17:45:00 - 18:00:00	0.072	0.57	0.191	0.066	34454.35	0.213
REI CAMP 2	6/27/2023	18:00:00 - 18:15:00	0.072	0.57	0.188	0.066	35181.568	0.213
REI CAMP 2	6/28/2023	08:00:00 - 08:15:00	0.096	0.15	0.103	0.087	4	0
REI CAMP 2	6/28/2023	08:15:00 - 08:30:00	0.281	0.53	0.279	0.218	474.817	0
REI CAMP 2	6/28/2023	08:30:00 - 08:45:00	0.293	0.53	0.284	0.218	1374.617	0.014
REI CAMP 2	6/28/2023	08:45:00 - 09:00:00	0.32	0.53	0.291	0.218	2274.55	0.023
REI CAMP 2	6/28/2023	09:00:00 - 09:15:00	0.369	0.53	0.307	0.218	3174.5	0.034
REI CAMP 2	6/28/2023	09:15:00 - 09:30:00	0.374	0.53	0.322	0.218	4074.5	0.046
REI CAMP 2	6/28/2023	09:30:00 - 09:45:00	0.377	0.53	0.332	0.218	4974.5	0.057
REI CAMP 2	6/28/2023	09:45:00 - 10:00:00	0.371	0.53	0.339	0.218	5874.5	0.069
REI CAMP 2	6/28/2023	10:00:00 - 10:15:00	0.365	0.53	0.343	0.218	6774.5	0.081
REI CAMP 2	6/28/2023	10:15:00 - 10:30:00	0.355	0.53	0.345	0.218	7674.5	0.092
REI CAMP 2	6/28/2023	10:30:00 - 10:45:00	0.346	0.53	0.345	0.218	8574.5	0.103
REI CAMP 2	6/28/2023	10:45:00 - 11:00:00	0.351	0.53	0.345	0.218	9474.5	0.114
REI CAMP 2	6/28/2023	11:00:00 - 11:15:00	0.361	0.53	0.346	0.218	10374.5	0.125
REI CAMP 2	6/28/2023	11:15:00 - 11:30:00	0.369	0.53	0.348	0.218	11274.467	0.136
REI CAMP 2	6/28/2023	11:30:00 - 11:45:00	0.37	0.53	0.35	0.218	12174.267	0.148
REI CAMP 2	6/28/2023	11:45:00 - 12:00:00	0.358	0.53	0.351	0.218	13074.2	0.159
REI CAMP 2	6/28/2023	12:00:00 - 12:15:00	0.346	0.53	0.351	0.218	13973.983	0.17
REI CAMP 2	6/28/2023	12:15:00 - 12:30:00	0.336	0.53	0.35	0.218	14873.617	0.181
REI CAMP 2	6/28/2023	12:30:00 - 12:45:00	0.338	0.53	0.349	0.218	15773.5	0.191
REI CAMP 2	6/28/2023	12:45:00 - 13:00:00	0.329	0.53	0.349	0.218	16673.5	0.202
REI CAMP 2	6/28/2023	13:00:00 - 13:15:00	0.299	0.53	0.347	0.218	17573.533	0.212
REI CAMP 2	6/28/2023	13:15:00 - 13:30:00	0.267	0.53	0.344	0.218	18474.5	0.22
REI CAMP 2	6/28/2023	13:30:00 - 13:45:00	0.255	0.53	0.34	0.218	19374.5	0.229
REI CAMP 2	6/28/2023	13:45:00 - 14:00:00	0.282	0.53	0.336	0.218	20274.5	0.237
REI CAMP 2	6/28/2023	14:00:00 - 14:15:00	0.271	0.53	0.334	0.218	21174.5	0.246
REI CAMP 2	6/28/2023	14:15:00 - 14:30:00	0.269	0.53	0.331	0.218	22074.5	0.254
REI CAMP 2	6/28/2023	14:30:00 - 14:45:00	0.267	0.53	0.329	0.218	22974.517	0.262
REI CAMP 2	6/28/2023	14:45:00 - 15:00:00	0.25	0.53	0.326	0.218	23874.467	0.27
REI CAMP 2	6/28/2023	15:00:00 - 15:15:00	0.257	0.53	0.324	0.218	24774.3	0.278
REI CAMP 2	6/28/2023	15:15:00 - 15:30:00	0.259	0.53	0.321	0.218	25673.85	0.286
REI CAMP 2	6/28/2023	15:30:00 - 15:45:00	0.232	0.53	0.319	0.217	26573.783	0.294
REI CAMP 2	6/28/2023	15:45:00 - 16:00:00	0.205	0.53	0.316	0.2	27473.667	0.301
REI CAMP 2	6/28/2023	16:00:00 - 16:15:00	0.163	0.53	0.311	0.156	28373.517	0.307
REI CAMP 2	6/28/2023	16:15:00 - 16:30:00	0.176	0.53	0.307	0.151	29273.5	0.309
REI CAMP 2	6/28/2023	16:30:00 - 16:45:00	0.205	0.56	0.304	0.151	30053.5	0.309
REI CAMP 2	6/29/2023	08:15:00 - 08:30:00	0.398	0.576	0.388	0.241	262.61	0
REI CAMP 2	6/29/2023	08:30:00 - 08:45:00	0.442	0.629	0.435	0.26	1018.15	0.011
REI CAMP 2	6/29/2023	08:45:00 - 09:00:00	0.398	0.629	0.434	0.26	1918.017	0.029
REI CAMP 2	6/29/2023	09:00:00 - 09:15:00	0.255	0.629	0.397	0.244	2817.917	0.039
REI CAMP 2	6/29/2023	09:15:00 - 09:30:00	0.252	0.629	0.362	0.238	3718.217	0.047
REI CAMP 2	6/29/2023	09:30:00 - 09:45:00	0.226	0.629	0.339	0.217	4618.5	0.054
REI CAMP 2	6/29/2023	09:45:00 - 10:00:00	0.2	0.629	0.317	0.186	5518.5	0.061
REI CAMP 2	6/29/2023	10:00:00 - 10:15:00	0.208	0.629	0.302	0.186	6418.5	0.067
REI CAMP 2	6/29/2023	10:15:00 - 10:30:00	0.194	0.629	0.29	0.181	7318.5	0.074

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 2	6/29/2023	10:30:00 - 10:45:00	0.144	0.629	0.276	0.139	8218.5	0.079
REI CAMP 2	6/29/2023	10:45:00 - 11:00:00	0.123	0.629	0.262	0.115	9118.5	0.083
REI CAMP 2	6/29/2023	11:00:00 - 11:15:00	0.121	0.629	0.249	0.112	10018.5	0.087
REI CAMP 2	6/29/2023	11:15:00 - 11:30:00	0.111	0.629	0.238	0.104	10918.5	0.09
REI CAMP 2	6/29/2023	11:30:00 - 11:45:00	0.1	0.629	0.228	0.095	11818.5	0.094
REI CAMP 2	6/29/2023	11:45:00 - 12:00:00	0.093	0.629	0.219	0.087	12718.5	0.097
REI CAMP 2	6/29/2023	12:00:00 - 12:15:00	0.087	0.629	0.21	0.081	13618.5	0.099
REI CAMP 2	6/29/2023	12:15:00 - 12:30:00	0.085	0.629	0.203	0.074	14518.5	0.102
REI CAMP 2	6/29/2023	12:30:00 - 12:45:00	0.073	0.629	0.195	0.068	15418.467	0.105
REI CAMP 2	6/29/2023	12:45:00 - 13:00:00	0.066	0.629	0.189	0.061	16318.35	0.107
REI CAMP 2	6/29/2023	13:00:00 - 13:15:00	0.056	0.629	0.182	0.05	17218.133	0.109
REI CAMP 2	6/29/2023	13:15:00 - 13:30:00	0.051	0.629	0.175	0.048	18117.9	0.11
REI CAMP 2	6/29/2023	13:30:00 - 13:45:00	0.047	0.629	0.169	0.044	19017.6	0.112
REI CAMP 2	6/29/2023	13:45:00 - 14:00:00	0.051	0.629	0.164	0.041	19917.5	0.113
REI CAMP 2	6/29/2023	14:00:00 - 14:15:00	0.041	0.629	0.159	0.037	20817.5	0.115
REI CAMP 2	6/29/2023	14:15:00 - 14:30:00	0.036	0.629	0.154	0.034	21718.133	0.116
REI CAMP 2	6/29/2023	14:30:00 - 14:45:00	0.036	0.629	0.149	0.033	22618.5	0.117
REI CAMP 2	6/29/2023	14:45:00 - 15:00:00	0.035	0.629	0.145	0.033	23518.5	0.118
REI CAMP 2	6/29/2023	15:00:00 - 15:15:00	0.035	0.629	0.141	0.032	24418.5	0.119
REI CAMP 2	6/29/2023	15:15:00 - 15:30:00	0.035	0.629	0.137	0.032	25318.5	0.12
REI CAMP 2	6/29/2023	15:30:00 - 15:45:00	0.036	0.629	0.133	0.032	26218.5	0.121
REI CAMP 2	6/29/2023	15:45:00 - 16:00:00	0.034	0.629	0.13	0.032	27118.5	0.123
REI CAMP 2	6/29/2023	16:00:00 - 16:15:00	0.034	0.629	0.127	0.031	28018.5	0.124
REI CAMP 2	6/29/2023	16:15:00 - 16:30:00	0.034	0.629	0.124	0.031	28918.167	0.125
REI CAMP 2	6/29/2023	16:30:00 - 16:45:00	0.035	0.629	0.122	0.031	29817.933	0.125
REI CAMP 2	6/29/2023	16:45:00 - 17:00:00	0.034	0.629	0.119	0.031	30717.767	0.125
REI CAMP 2	6/29/2023	17:00:00 - 17:15:00	0.034	0.629	0.116	0.029	31676.913	0.125
REI CAMP 2	6/29/2023	17:15:00 - 17:30:00	0.035	0.629	0.114	0.029	32506.5	0.125
REI CAMP 2	6/29/2023	17:30:00 - 17:45:00	0.034	0.629	0.113	0.029	33159	0.125
REI CAMP 2	6/30/2023	08:45:00 - 09:00:00	0.03	0.079	0.03	0.019	146.815	0
REI CAMP 2	6/30/2023	09:00:00 - 09:15:00	0.035	0.095	0.035	0.022	794.783	0
REI CAMP 2	6/30/2023	09:15:00 - 09:30:00	0.034	0.095	0.035	0.022	1694.733	0.002
REI CAMP 2	6/30/2023	09:30:00 - 09:45:00	0.034	0.095	0.035	0.022	2594.6	0.003
REI CAMP 2	6/30/2023	09:45:00 - 10:00:00	0.041	0.095	0.036	0.022	3494.533	0.004
REI CAMP 2	6/30/2023	10:00:00 - 10:15:00	0.033	0.095	0.036	0.022	4394.5	0.005
REI CAMP 2	6/30/2023	10:15:00 - 10:30:00	0.034	0.095	0.035	0.022	5294.5	0.006
REI CAMP 2	6/30/2023	10:30:00 - 10:45:00	0.033	0.095	0.035	0.022	6194.5	0.008
REI CAMP 2	6/30/2023	10:45:00 - 11:00:00	0.037	0.095	0.035	0.022	7094.5	0.009
REI CAMP 2	6/30/2023	11:00:00 - 11:15:00	0.034	0.095	0.035	0.022	7994.5	0.01
REI CAMP 2	6/30/2023	11:15:00 - 11:30:00	0.033	0.095	0.035	0.022	8894.5	0.011
REI CAMP 2	6/30/2023	11:30:00 - 11:45:00	0.033	0.095	0.035	0.022	9794.5	0.012
REI CAMP 2	6/30/2023	11:45:00 - 12:00:00	0.039	0.095	0.035	0.022	10694.883	0.013
REI CAMP 2	6/30/2023	12:00:00 - 12:15:00	0.037	0.095	0.035	0.022	11595.417	0.014
REI CAMP 2	6/30/2023	12:15:00 - 12:30:00	0.04	0.095	0.035	0.022	12495.3	0.015
REI CAMP 2	6/30/2023	12:30:00 - 12:45:00	0.04	0.095	0.036	0.022	13395.117	0.017
REI CAMP 2	6/30/2023	12:45:00 - 13:00:00	0.037	0.095	0.036	0.022	14294.833	0.018
REI CAMP 2	6/30/2023	13:00:00 - 13:15:00	0.035	0.095	0.036	0.022	15194.55	0.019
REI CAMP 2	6/30/2023	13:15:00 - 13:30:00	0.037	0.095	0.036	0.022	16094.5	0.02
REI CAMP 2	6/30/2023	13:30:00 - 13:45:00	0.037	0.095	0.036	0.022	16994.5	0.021
REI CAMP 2	6/30/2023	13:45:00 - 14:00:00	0.04	0.095	0.036	0.022	17894.5	0.022
REI CAMP 2	6/30/2023	14:00:00 - 14:15:00	0.038	0.095	0.036	0.022	18794.5	0.024
REI CAMP 2	6/30/2023	14:15:00 - 14:30:00	0.037	0.12	0.036	0.022	19694.5	0.025
REI CAMP 2	6/30/2023	14:30:00 - 14:45:00	0.038	0.132	0.036	0.022	20594.5	0.026
REI CAMP 2	6/30/2023	14:45:00 - 15:00:00	0.045	0.132	0.037	0.022	21494.5	0.027
REI CAMP 2	6/30/2023	15:00:00 - 15:15:00	0.042	0.132	0.037	0.022	22394.5	0.029
REI CAMP 2	6/30/2023	15:15:00 - 15:30:00	0.035	0.132	0.037	0.022	23294.5	0.03
REI CAMP 2	6/30/2023	15:30:00 - 15:45:00	0.036	0.132	0.037	0.022	24194.5	0.031
REI CAMP 2	6/30/2023	15:45:00 - 16:00:00	0.04	0.132	0.037	0.022	25094.317	0.032
REI CAMP 2	6/30/2023	16:00:00 - 16:15:00	0.039	0.132	0.037	0.022	25994	0.033
REI CAMP 2	6/30/2023	16:15:00 - 16:30:00	0.036	0.132	0.037	0.022	26586.421	0.034
REI CAMP 2	7/3/2023	07:45:00 - 08:00:00	0.025	0.045	0.025	0.013	51	0
REI CAMP 2	7/3/2023	08:00:00 - 08:15:00	0.038	0.068	0.038	0.02	601.5	0
REI CAMP 2	7/3/2023	08:15:00 - 08:30:00	0.037	0.068	0.037	0.02	1501.5	0.002
REI CAMP 2	7/3/2023	08:30:00 - 08:45:00	0.037	0.068	0.037	0.02	2401.5	0.003
REI CAMP 2	7/3/2023	08:45:00 - 09:00:00	0.038	0.068	0.037	0.02	3301.5	0.004
REI CAMP 2	7/3/2023	09:00:00 - 09:15:00	0.041	0.068	0.038	0.02	4201.5	0.006
REI CAMP 2	7/3/2023	09:15:00 - 09:30:00	0.042	0.083	0.039	0.02	5101.5	0.007
REI CAMP 2	7/3/2023	09:30:00 - 09:45:00	0.037	0.088	0.039	0.02	6001.5	0.008
REI CAMP 2	7/3/2023	09:45:00 - 10:00:00	0.035	0.088	0.038	0.02	6901.517	0.009
REI CAMP 2	7/3/2023	10:00:00 - 10:15:00	0.03	0.088	0.038	0.02	7801.5	0.01
REI CAMP 2	7/3/2023	10:15:00 - 10:30:00	0.029	0.088	0.037	0.02	8701.5	0.011
REI CAMP 2	7/3/2023	10:30:00 - 10:45:00	0.031	0.093	0.036	0.02	9601.333	0.012
REI CAMP 2	7/3/2023	10:45:00 - 11:00:00	0.03	0.096	0.036	0.02	10501.283	0.013
REI CAMP 2	7/3/2023	11:00:00 - 11:15:00	0.033	0.096	0.035	0.02	11401.783	0.014
REI CAMP 2	7/3/2023	11:15:00 - 11:30:00	0.031	0.096	0.035	0.02	12301.75	0.015
REI CAMP 2	7/3/2023	11:30:00 - 11:45:00	0.031	0.096	0.035	0.02	13201.8	0.016
REI CAMP 2	7/3/2023	11:45:00 - 12:00:00	0.03	0.096	0.035	0.02	14101.667	0.017
REI CAMP 2	7/3/2023	12:00:00 - 12:15:00	0.033	0.098	0.035	0.02	15001.5	0.018
REI CAMP 2	7/3/2023	12:15:00 - 12:30:00	0.03	0.099	0.034	0.02	15901.5	0.019
REI CAMP 2	7/3/2023	12:30:00 - 12:45:00	0.031	0.099	0.034	0.02	16801.5	0.02
REI CAMP 2	7/3/2023	12:45:00 - 13:00:00	0.033	0.099	0.034	0.02	17701.5	0.021
REI CAMP 2	7/3/2023	13:00:00 - 13:15:00	0.032	0.099	0.034	0.02	18601.5	0.022
REI CAMP 2	7/3/2023	13:15:00 - 13:30:00	0.04	0.099	0.034	0.02	19501.5	0.023
REI CAMP 2	7/3/2023	13:30:00 - 13:45:00	0.035	0.099	0.034	0.02	20401.5	0.024
REI CAMP 2	7/3/2023	13:45:00 - 14:00:00	0.036	0.099	0.034	0.02	21301.5	0.025
REI CAMP 2	7/3/2023	14:00:00 - 14:15:00	0.037	0.099	0.034	0.02	22201.5	0.026
REI CAMP 2	7/3/2023	14:15:00 - 14:30:00	0.043	0.099	0.035	0.02	23101.3	0.028
REI CAMP 2	7/3/2023	14:30:00 - 14:45:00	0.04	0.099	0.035	0.02	24001.1	0.029
REI CAMP 2	7/3/2023	14:45:00 - 15:00:00	0.039	0.099	0.035	0.02	24900.967	0.03
REI CAMP 2	7/3/2023	15:00:00 - 15:15:00	0.038	0.099	0.035	0.02	25800.517	0.031
REI CAMP 2	7/3/2023	15:15:00 - 15:30:00	0.037	0.099	0.035	0.02	26700.5	0.033
REI CAMP 2	7/3/2023	15:30:00 - 15:45:00	0.038	0.099	0.035	0.02	27600.5	0.034
REI CAMP 2	7/3/2023	15:45:00 - 16:00:00	0.04	0.099	0.035	0.02	28500.5	0.035
REI CAMP 2	7/3/2023	16:00:00 - 16:15:00	0.038	0.099	0.035	0.02	29400.5	0.035

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 2	7/3/2023	16:15:00 - 16:30:00	0.037	0.099	0.036	0.02	30300.5	0.035
REI CAMP 2	7/3/2023	16:30:00 - 16:45:00	0.036	0.099	0.036	0.02	31200.5	0.035
REI CAMP 2	7/3/2023	16:45:00 - 17:00:00	0.037	0.099	0.036	0.02	32100.667	0.035
REI CAMP 2	7/3/2023	17:00:00 - 17:15:00	0.036	0.099	0.036	0.02	32724	0.035
REI CAMP 2	7/5/2023	08:00:00 - 08:15:00	0.029	0.033	0.028	0.017	391.533	0
REI CAMP 2	7/5/2023	08:15:00 - 08:30:00	0.028	0.037	0.03	0.018	1289.5	0.001
REI CAMP 2	7/5/2023	08:30:00 - 08:45:00	0.027	0.037	0.029	0.018	2189.5	0.002
REI CAMP 2	7/5/2023	08:45:00 - 09:00:00	0.024	0.037	0.028	0.018	3089.5	0.003
REI CAMP 2	7/5/2023	09:00:00 - 09:15:00	0.022	0.037	0.027	0.018	3988.667	0.004
REI CAMP 2	7/5/2023	09:15:00 - 09:30:00	0.022	0.037	0.026	0.018	4888.6	0.004
REI CAMP 2	7/5/2023	09:30:00 - 09:45:00	0.02	0.037	0.025	0.017	5788.6	0.005
REI CAMP 2	7/5/2023	09:45:00 - 10:00:00	0.016	0.038	0.024	0.013	6688.55	0.006
REI CAMP 2	7/5/2023	10:00:00 - 10:15:00	0.014	0.041	0.023	0.012	7588.5	0.006
REI CAMP 2	7/5/2023	10:15:00 - 10:30:00	0.016	0.052	0.022	0.012	8488.5	0.006
REI CAMP 2	7/5/2023	10:30:00 - 10:45:00	0.014	0.122	0.021	0.012	9388.5	0.007
REI CAMP 2	7/5/2023	10:45:00 - 11:00:00	0.014	0.122	0.021	0.012	10288.5	0.007
REI CAMP 2	7/5/2023	11:00:00 - 11:15:00	0.014	0.122	0.02	0.012	11188.5	0.008
REI CAMP 2	7/5/2023	11:15:00 - 11:30:00	0.014	0.122	0.02	0.012	12089.05	0.008
REI CAMP 2	7/5/2023	11:30:00 - 11:45:00	0.015	0.122	0.019	0.012	12989.5	0.009
REI CAMP 2	7/5/2023	11:45:00 - 12:00:00	0.015	0.122	0.019	0.012	13889.5	0.009
REI CAMP 2	7/5/2023	12:00:00 - 12:15:00	0.015	0.122	0.019	0.012	14789.367	0.01
REI CAMP 2	7/5/2023	12:15:00 - 12:30:00	0.014	0.122	0.019	0.012	15689.167	0.01
REI CAMP 2	7/5/2023	12:30:00 - 12:45:00	0.013	0.122	0.018	0.011	16589	0.011
REI CAMP 2	7/5/2023	12:45:00 - 13:00:00	0.013	0.122	0.018	0.011	17488.85	0.011
REI CAMP 2	7/5/2023	13:00:00 - 13:15:00	0.014	0.122	0.018	0.011	18388.5	0.011
REI CAMP 2	7/5/2023	13:15:00 - 13:30:00	0.013	0.122	0.018	0.011	19288.5	0.012
REI CAMP 2	7/5/2023	13:30:00 - 13:45:00	0.013	0.122	0.017	0.011	20188.5	0.012
REI CAMP 2	7/5/2023	13:45:00 - 14:00:00	0.013	0.122	0.017	0.011	21088.5	0.013
REI CAMP 2	7/5/2023	14:00:00 - 14:15:00	0.012	0.122	0.017	0.01	21988.5	0.013
REI CAMP 2	7/5/2023	14:15:00 - 14:30:00	0.013	0.122	0.017	0.01	22888.5	0.013
REI CAMP 2	7/5/2023	14:30:00 - 14:45:00	0.023	0.122	0.017	0.01	23788.5	0.014
REI CAMP 2	7/5/2023	14:45:00 - 15:00:00	0.014	0.122	0.017	0.01	24688.5	0.015
REI CAMP 2	7/5/2023	15:00:00 - 15:15:00	0.012	0.122	0.017	0.01	25588.367	0.015
REI CAMP 2	7/5/2023	15:15:00 - 15:30:00	0.013	0.122	0.017	0.01	26488.267	0.015
REI CAMP 2	7/5/2023	15:30:00 - 15:45:00	0.013	0.122	0.016	0.01	27388.083	0.016
REI CAMP 2	7/5/2023	15:45:00 - 16:00:00	0.014	0.122	0.016	0.01	28287.95	0.016
REI CAMP 2	7/5/2023	16:00:00 - 16:15:00	0.021	0.122	0.016	0.01	29187.6	0.016
REI CAMP 2	7/5/2023	16:15:00 - 16:30:00	0.018	0.122	0.017	0.01	30087.5	0.016
REI CAMP 2	7/5/2023	16:30:00 - 16:45:00	0.027	0.122	0.017	0.01	30987.5	0.016
REI CAMP 2	7/5/2023	16:45:00 - 17:00:00	0.023	0.138	0.017	0.01	31887.5	0.016
REI CAMP 2	7/5/2023	17:00:00 - 17:15:00	0.022	0.16	0.017	0.01	32788.433	0.016
REI CAMP 2	7/5/2023	17:15:00 - 17:30:00	0.022	0.16	0.017	0.01	33688.5	0.016
REI CAMP 2	7/5/2023	17:30:00 - 17:45:00	0.023	0.16	0.017	0.01	34588.5	0.016
REI CAMP 2	7/5/2023	17:45:00 - 18:00:00	0.022	0.16	0.017	0.01	35488.5	0.016
REI CAMP 2	7/5/2023	18:00:00 - 18:15:00	0.025	0.16	0.018	0.01	36388.5	0.016
REI CAMP 2	7/5/2023	18:15:00 - 18:30:00	0.026	0.16	0.018	0.01	37288.483	0.016
REI CAMP 2	7/5/2023	18:30:00 - 18:45:00	0.027	0.16	0.018	0.01	38188.383	0.016
REI CAMP 2	7/5/2023	18:45:00 - 19:00:00	0.03	0.16	0.018	0.01	39088.067	0.016
REI CAMP 2	7/5/2023	19:00:00 - 19:15:00	0.033	0.16	0.019	0.01	39972.431	0.016
REI CAMP 2	7/6/2023	08:15:00 - 08:30:00	0.005	0.07	0.006	0.004	278.605	0
REI CAMP 2	7/6/2023	08:30:00 - 08:45:00	0.005	0.075	0.005	0.003	1049.5	0
REI CAMP 2	7/6/2023	08:45:00 - 09:00:00	0.005	0.075	0.005	0.001	1949.5	0
REI CAMP 2	7/6/2023	09:00:00 - 09:15:00	0.005	0.075	0.005	0.001	2849.5	0
REI CAMP 2	7/6/2023	09:15:00 - 09:30:00	0.005	0.075	0.005	0.001	3750.117	0.001
REI CAMP 2	7/6/2023	09:30:00 - 09:45:00	0.005	0.075	0.005	0.001	4650.267	0.001
REI CAMP 2	7/6/2023	09:45:00 - 10:00:00	0.006	0.075	0.005	0.001	5550.083	0.001
REI CAMP 2	7/6/2023	10:00:00 - 10:15:00	0.006	0.075	0.005	0.001	6449.95	0.001
REI CAMP 2	7/6/2023	10:15:00 - 10:30:00	0.006	0.075	0.005	0.001	7349.567	0.001
REI CAMP 2	7/6/2023	10:30:00 - 10:45:00	0.006	0.075	0.005	0.001	8249.517	0.002
REI CAMP 2	7/6/2023	10:45:00 - 11:00:00	0.006	0.116	0.005	0.001	9149.5	0.002
REI CAMP 2	7/6/2023	11:00:00 - 11:15:00	0.008	0.14	0.006	0.001	10049.533	0.002
REI CAMP 2	7/6/2023	11:15:00 - 11:30:00	0.006	0.14	0.006	0.001	10949.5	0.002
REI CAMP 2	7/6/2023	11:30:00 - 11:45:00	0.007	0.14	0.006	0.001	11849.5	0.002
REI CAMP 2	7/6/2023	11:45:00 - 12:00:00	0.015	0.204	0.006	0.001	12749.5	0.003
REI CAMP 2	7/6/2023	12:00:00 - 12:15:00	0.005	0.413	0.006	0.001	13649.5	0.003
REI CAMP 2	7/6/2023	12:15:00 - 12:30:00	0.007	0.413	0.006	0.001	14549.5	0.003
REI CAMP 2	7/6/2023	12:30:00 - 12:45:00	0.006	0.413	0.006	0.001	15449.5	0.003
REI CAMP 2	7/6/2023	12:45:00 - 13:00:00	0.005	0.413	0.006	0.001	16349.5	0.003
REI CAMP 2	7/6/2023	13:00:00 - 13:15:00	0.008	0.413	0.006	0.001	17249.2	0.004
REI CAMP 2	7/6/2023	13:15:00 - 13:30:00	0.008	0.413	0.006	0.001	18148.733	0.004
REI CAMP 2	7/6/2023	13:30:00 - 13:45:00	0.005	0.413	0.006	0.001	19048.65	0.004
REI CAMP 2	7/6/2023	13:45:00 - 14:00:00	0.009	0.413	0.006	0.001	19948.583	0.004
REI CAMP 2	7/6/2023	14:00:00 - 14:15:00	0.008	0.413	0.006	0.001	20848.5	0.004
REI CAMP 2	7/6/2023	14:15:00 - 14:30:00	0.008	0.413	0.006	0.001	21748.5	0.005
REI CAMP 2	7/6/2023	14:30:00 - 14:45:00	0.007	0.413	0.006	0.001	22648.5	0.005
REI CAMP 2	7/6/2023	14:45:00 - 15:00:00	0.008	0.413	0.006	0.001	23548.5	0.005
REI CAMP 2	7/6/2023	15:00:00 - 15:15:00	0.009	0.413	0.006	0.001	24449.483	0.005
REI CAMP 2	7/6/2023	15:15:00 - 15:30:00	0.01	0.413	0.007	0.001	25349.5	0.006
REI CAMP 2	7/6/2023	15:30:00 - 15:45:00	0.01	0.413	0.007	0.001	26249.5	0.006
REI CAMP 2	7/6/2023	15:45:00 - 16:00:00	0.012	0.413	0.007	0.001	27149.5	0.006
REI CAMP 2	7/6/2023	16:00:00 - 16:15:00	0.01	0.413	0.007	0.001	28049.5	0.007
REI CAMP 2	7/6/2023	16:15:00 - 16:30:00	0.006	0.413	0.007	0.001	28949.183	0.007
REI CAMP 2	7/6/2023	16:30:00 - 16:45:00	0.007	0.413	0.007	0.001	29848.75	0.007
REI CAMP 2	7/6/2023	16:45:00 - 17:00:00	0.009	0.413	0.007	0.001	30748.783	0.007
REI CAMP 2	7/6/2023	17:00:00 - 17:15:00	0.007	0.413	0.007	0.001	31648.533	0.007
REI CAMP 2	7/6/2023	17:15:00 - 17:30:00	0.008	0.413	0.007	0.001	32548.5	0.007
REI CAMP 2	7/6/2023	17:30:00 - 17:45:00	0.011	0.413	0.007	0.001	33448.5	0.007
REI CAMP 2	7/6/2023	17:45:00 - 18:00:00	0.007	0.413	0.007	0.001	34348.5	0.007
REI CAMP 2	7/6/2023	18:00:00 - 18:15:00	0.009	0.413	0.007	0.001	35151	0.007
REI CAMP 2	7/7/2023	08:00:00 - 08:15:00	0.012	0.017	0.012	0.006	143.88	0
REI CAMP 2	7/7/2023	08:15:00 - 08:30:00	0.017	0.032	0.016	0.007	778.517	0
REI CAMP 2	7/7/2023	08:30:00 - 08:45:00	0.014	0.036	0.016	0.007	1678.5	0.001
REI CAMP 2	7/7/2023	08:45:00 - 09:00:00	0.011	0.036	0.015	0.007	2578.383	0.001
REI CAMP 2	7/7/2023	09:00:00 - 09:15:00	0.01	0.036	0.014	0.006	3477.95	0.002

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 2	7/7/2023	09:15:00 - 09:30:00	0.008	0.036	0.013	0.006	4377.533	0.002
REI CAMP 2	7/7/2023	09:30:00 - 09:45:00	0.008	0.036	0.012	0.004	5277.5	0.002
REI CAMP 2	7/7/2023	09:45:00 - 10:00:00	0.007	0.036	0.011	0.004	6178.133	0.002
REI CAMP 2	7/7/2023	10:00:00 - 10:15:00	0.006	0.036	0.011	0.004	7078.5	0.003
REI CAMP 2	7/7/2023	10:15:00 - 10:30:00	0.006	0.036	0.01	0.004	7978.5	0.003
REI CAMP 2	7/7/2023	10:30:00 - 10:45:00	0.006	0.036	0.01	0.004	8878.5	0.003
REI CAMP 2	7/7/2023	10:45:00 - 11:00:00	0.013	0.044	0.01	0.004	9778.5	0.003
REI CAMP 2	7/7/2023	11:00:00 - 11:15:00	0.007	0.05	0.01	0.004	10678.5	0.004
REI CAMP 2	7/7/2023	11:15:00 - 11:30:00	0.006	0.05	0.009	0.004	11578.5	0.004
REI CAMP 2	7/7/2023	11:30:00 - 11:45:00	0.007	0.05	0.009	0.004	12478.483	0.004
REI CAMP 2	7/7/2023	11:45:00 - 12:00:00	0.009	0.05	0.009	0.004	13378.383	0.004
REI CAMP 2	7/7/2023	12:00:00 - 12:15:00	0.011	0.053	0.009	0.004	14278.1	0.005
REI CAMP 2	7/7/2023	12:15:00 - 12:30:00	0.011	0.061	0.009	0.004	15177.833	0.005
REI CAMP 2	7/7/2023	12:30:00 - 12:45:00	0.01	0.061	0.009	0.004	16077.633	0.005
REI CAMP 2	7/7/2023	12:45:00 - 13:00:00	0.009	0.061	0.009	0.004	16977.55	0.006
REI CAMP 2	7/7/2023	13:00:00 - 13:15:00	0.009	0.061	0.009	0.004	17877.5	0.006
REI CAMP 2	7/7/2023	13:15:00 - 13:30:00	0.01	0.061	0.009	0.004	18777.517	0.006
REI CAMP 2	7/7/2023	13:30:00 - 13:45:00	0.011	0.061	0.009	0.004	19677.5	0.006
REI CAMP 2	7/7/2023	13:45:00 - 14:00:00	0.011	0.061	0.01	0.004	20577.5	0.007
REI CAMP 2	7/7/2023	14:00:00 - 14:15:00	0.011	0.061	0.01	0.004	21477.5	0.007
REI CAMP 2	7/7/2023	14:15:00 - 14:30:00	0.012	0.061	0.01	0.004	22024.692	0.007
REI CAMP 2	7/10/2023	08:00:00 - 08:15:00	0	0	0	0	0	0
REI CAMP 2	7/10/2023	08:15:00 - 08:30:00	0.017	0.033	0.017	0.013	419.05	0
REI CAMP 2	7/10/2023	08:30:00 - 08:45:00	0.017	0.034	0.017	0.013	1318.5	0.001
REI CAMP 2	7/10/2023	08:45:00 - 09:00:00	0.016	0.034	0.017	0.013	2218.5	0.001
REI CAMP 2	7/10/2023	09:00:00 - 09:15:00	0.016	0.034	0.017	0.013	3118.5	0.002
REI CAMP 2	7/10/2023	09:15:00 - 09:30:00	0.019	0.034	0.017	0.013	4018.1	0.002
REI CAMP 2	7/10/2023	09:30:00 - 09:45:00	0.018	0.034	0.017	0.013	4917.95	0.003
REI CAMP 2	7/10/2023	09:45:00 - 10:00:00	0.017	0.034	0.017	0.013	5817.7	0.004
REI CAMP 2	7/10/2023	10:00:00 - 10:15:00	0.017	0.036	0.017	0.013	6717.633	0.004
REI CAMP 2	7/10/2023	10:15:00 - 10:30:00	0.017	0.036	0.017	0.013	7617.517	0.005
REI CAMP 2	7/10/2023	10:30:00 - 10:45:00	0.018	0.041	0.017	0.013	8517.517	0.005
REI CAMP 2	7/10/2023	10:45:00 - 11:00:00	0.019	0.043	0.017	0.013	9417.5	0.006
REI CAMP 2	7/10/2023	11:00:00 - 11:15:00	0.02	0.047	0.018	0.013	10317.5	0.006
REI CAMP 2	7/10/2023	11:15:00 - 11:30:00	0.019	0.052	0.018	0.013	11217.5	0.007
REI CAMP 2	7/10/2023	11:30:00 - 11:45:00	0.018	0.064	0.018	0.013	12121.186	0.008
REI CAMP 2	7/10/2023	11:45:00 - 12:00:00	0.019	0.064	0.018	0.013	13017.5	0.008
REI CAMP 2	7/10/2023	12:00:00 - 12:15:00	0.019	0.064	0.018	0.013	13917.5	0.009
REI CAMP 2	7/10/2023	12:15:00 - 12:30:00	0.021	0.064	0.018	0.013	14817.217	0.009
REI CAMP 2	7/10/2023	12:30:00 - 12:45:00	0.02	0.064	0.018	0.013	15717.017	0.01
REI CAMP 2	7/10/2023	12:45:00 - 13:00:00	0.02	0.064	0.018	0.013	16616.783	0.011
REI CAMP 2	7/10/2023	13:00:00 - 13:15:00	0.02	0.064	0.018	0.013	17516.5	0.011
REI CAMP 2	7/10/2023	13:15:00 - 13:30:00	0.02	0.064	0.018	0.013	18416.5	0.012
REI CAMP 2	7/10/2023	13:30:00 - 13:45:00	0.021	0.064	0.019	0.013	19316.5	0.012
REI CAMP 2	7/10/2023	13:45:00 - 14:00:00	0.022	0.064	0.019	0.013	20216.5	0.013
REI CAMP 2	7/10/2023	14:00:00 - 14:15:00	0.025	0.078	0.019	0.013	21117.2	0.014
REI CAMP 2	7/10/2023	14:15:00 - 14:30:00	0.024	0.083	0.019	0.013	22017.5	0.015
REI CAMP 2	7/10/2023	14:30:00 - 14:45:00	0.027	0.101	0.019	0.013	22917.5	0.015
REI CAMP 2	7/10/2023	14:45:00 - 15:00:00	0.028	0.115	0.02	0.013	23817.5	0.016
REI CAMP 2	7/10/2023	15:00:00 - 15:15:00	0.031	0.08	0.03	0.023	1223.017	0.001
REI CAMP 2	7/10/2023	15:15:00 - 15:30:00	0.03	0.101	0.03	0.023	1313.5	0.001
REI CAMP 2	7/10/2023	15:30:00 - 15:45:00	0.031	0.101	0.03	0.023	2213.5	0.002
REI CAMP 2	7/10/2023	15:45:00 - 16:00:00	0.028	0.101	0.03	0.023	3113.5	0.003
REI CAMP 2	7/10/2023	16:00:00 - 16:15:00	0.029	0.101	0.03	0.023	4013.1	0.004
REI CAMP 2	7/10/2023	16:15:00 - 16:30:00	0.028	0.101	0.029	0.023	4912.867	0.005
REI CAMP 2	7/10/2023	16:30:00 - 16:45:00	0.031	0.139	0.029	0.023	5812.7	0.006
REI CAMP 2	7/10/2023	16:45:00 - 17:00:00	0.028	0.147	0.029	0.023	6667.574	0.007
REI CAMP 2	7/11/2023	08:15:00 - 08:30:00	0.005	0.01	0.005	0.003	42.333	0
REI CAMP 2	7/11/2023	08:30:00 - 08:45:00	0.007	0.016	0.007	0.005	573.5	0
REI CAMP 2	7/11/2023	08:45:00 - 09:00:00	0.006	0.018	0.007	0.002	1473.5	0
REI CAMP 2	7/11/2023	09:00:00 - 09:15:00	0.006	0.02	0.006	0.002	2373.5	0.001
REI CAMP 2	7/11/2023	09:15:00 - 09:30:00	0.006	0.02	0.006	0.002	3273.467	0.001
REI CAMP 2	7/11/2023	09:30:00 - 09:45:00	0.006	0.02	0.006	0.002	4173.167	0.001
REI CAMP 2	7/11/2023	09:45:00 - 10:00:00	0.007	0.02	0.006	0.002	5073	0.001
REI CAMP 2	7/11/2023	10:00:00 - 10:15:00	0.006	0.02	0.006	0.002	5972.817	0.001
REI CAMP 2	7/11/2023	10:15:00 - 10:30:00	0.006	0.02	0.006	0.002	6872.55	0.001
REI CAMP 2	7/11/2023	10:30:00 - 10:45:00	0.006	0.02	0.006	0.002	7772.5	0.002
REI CAMP 2	7/11/2023	10:45:00 - 11:00:00	0.006	0.02	0.006	0.002	8672.5	0.002
REI CAMP 2	7/11/2023	11:00:00 - 11:15:00	0.006	0.02	0.006	0.002	9572.5	0.002
REI CAMP 2	7/11/2023	11:15:00 - 11:30:00	0.006	0.02	0.006	0.002	10472.5	0.002
REI CAMP 2	7/11/2023	11:30:00 - 11:45:00	0.006	0.02	0.006	0.002	11372.5	0.002
REI CAMP 2	7/11/2023	11:45:00 - 12:00:00	0.006	0.02	0.006	0.002	12272.5	0.003
REI CAMP 2	7/11/2023	12:00:00 - 12:15:00	0.006	0.02	0.006	0.002	13172.5	0.003
REI CAMP 2	7/11/2023	12:15:00 - 12:30:00	0.007	0.02	0.006	0.002	14072.5	0.003
REI CAMP 2	7/11/2023	12:30:00 - 12:45:00	0.007	0.02	0.006	0.002	14972.5	0.003
REI CAMP 2	7/11/2023	12:45:00 - 13:00:00	0.007	0.02	0.006	0.002	15873	0.003
REI CAMP 2	7/11/2023	13:00:00 - 13:15:00	0.007	0.02	0.006	0.002	16773.5	0.004
REI CAMP 2	7/11/2023	13:15:00 - 13:30:00	0.008	0.02	0.006	0.002	17673.367	0.004
REI CAMP 2	7/11/2023	13:30:00 - 13:45:00	0.008	0.02	0.006	0.002	18572.9	0.004
REI CAMP 2	7/11/2023	13:45:00 - 14:00:00	0.008	0.02	0.006	0.002	19472.667	0.004
REI CAMP 2	7/11/2023	14:00:00 - 14:15:00	0.009	0.02	0.007	0.002	20372.517	0.005
REI CAMP 2	7/11/2023	14:15:00 - 14:30:00	0.009	0.029	0.007	0.002	21272.5	0.005
REI CAMP 2	7/11/2023	14:30:00 - 14:45:00	0.012	0.051	0.007	0.002	22172.5	0.005
REI CAMP 2	7/11/2023	14:45:00 - 15:00:00	0.01	0.079	0.007	0.002	23072.5	0.006
REI CAMP 2	7/11/2023	15:00:00 - 15:15:00	0.012	0.079	0.007	0.002	23972.5	0.006
REI CAMP 2	7/11/2023	15:15:00 - 15:30:00	0.011	0.079	0.007	0.002	24872.5	0.006
REI CAMP 2	7/11/2023	15:30:00 - 15:45:00	0.012	0.079	0.007	0.002	25772.5	0.007
REI CAMP 2	7/11/2023	15:45:00 - 16:00:00	0.01	0.079	0.008	0.002	26672.5	0.007
REI CAMP 2	7/11/2023	16:00:00 - 16:15:00	0.011	0.079	0.008	0.002	27572.467	0.007
REI CAMP 2	7/11/2023	16:15:00 - 16:30:00	0.014	0.079	0.008	0.002	28472.283	0.008
REI CAMP 2	7/11/2023	16:30:00 - 16:45:00	0.011	0.079	0.008	0.002	29371.667	0.008
REI CAMP 2	7/11/2023	16:45:00 - 17:00:00	0.009	0.079	0.008	0.002	30271.5	0.008
REI CAMP 2	7/11/2023	17:00:00 - 17:15:00	0.013	0.079	0.008	0.002	31171.5	0.008
REI CAMP 2	7/11/2023	17:15:00 - 17:30:00	0.009	0.079	0.008	0.002	32071.5	0.008

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 2	7/11/2023	17:30:00 - 17:45:00	0.012	0.079	0.008	0.002	32791.5	0.008
REI CAMP 2	7/12/2023	08:15:00 - 08:30:00	0.007	0.018	0.007	0.005	80.6	0
REI CAMP 2	7/12/2023	08:30:00 - 08:45:00	0.008	0.021	0.008	0.006	640.5	0
REI CAMP 2	7/12/2023	08:45:00 - 09:00:00	0.009	0.021	0.008	0.005	1540.5	0
REI CAMP 2	7/12/2023	09:00:00 - 09:15:00	0.01	0.021	0.009	0.005	2440.4	0.001
REI CAMP 2	7/12/2023	09:15:00 - 09:30:00	0.01	0.021	0.009	0.005	3340.333	0.001
REI CAMP 2	7/12/2023	09:30:00 - 09:45:00	0.01	0.022	0.009	0.005	4240.583	0.001
REI CAMP 2	7/12/2023	09:45:00 - 10:00:00	0.01	0.023	0.009	0.005	5140.5	0.002
REI CAMP 2	7/12/2023	10:00:00 - 10:15:00	0.011	0.023	0.01	0.005	6040.5	0.002
REI CAMP 2	7/12/2023	10:15:00 - 10:30:00	0.011	0.023	0.01	0.005	6940.5	0.002
REI CAMP 2	7/12/2023	10:30:00 - 10:45:00	0.011	0.023	0.01	0.005	7840.5	0.003
REI CAMP 2	7/12/2023	10:45:00 - 11:00:00	0.012	0.023	0.01	0.005	8740.5	0.003
REI CAMP 2	7/12/2023	11:00:00 - 11:15:00	0.013	0.023	0.01	0.005	9640.5	0.003
REI CAMP 2	7/12/2023	11:15:00 - 11:30:00	0.013	0.023	0.01	0.005	10540.5	0.004
REI CAMP 2	7/12/2023	11:30:00 - 11:45:00	0.014	0.023	0.011	0.005	11440.5	0.004
REI CAMP 2	7/12/2023	11:45:00 - 12:00:00	0.014	0.023	0.011	0.005	12340.5	0.005
REI CAMP 2	7/12/2023	12:00:00 - 12:15:00	0.014	0.024	0.011	0.005	13240.5	0.005
REI CAMP 2	7/12/2023	12:15:00 - 12:30:00	0.013	0.025	0.011	0.005	14139.95	0.006
REI CAMP 2	7/12/2023	12:30:00 - 12:45:00	0.012	0.025	0.011	0.005	15027.034	0.006
REI CAMP 2	7/12/2023	12:45:00 - 13:00:00	0.012	0.025	0.011	0.005	15929.983	0.006
REI CAMP 2	7/12/2023	13:00:00 - 13:15:00	0.011	0.027	0.011	0.005	16829.817	0.007
REI CAMP 2	7/12/2023	13:15:00 - 13:30:00	0.012	0.028	0.011	0.005	17729.683	0.007
REI CAMP 2	7/12/2023	13:30:00 - 13:45:00	0.012	0.028	0.011	0.005	18629.5	0.007
REI CAMP 2	7/12/2023	13:45:00 - 14:00:00	0.012	0.028	0.011	0.005	19529.5	0.008
REI CAMP 2	7/12/2023	14:00:00 - 14:15:00	0.013	0.028	0.011	0.005	20429.5	0.008
REI CAMP 2	7/12/2023	14:15:00 - 14:30:00	0.014	0.028	0.012	0.005	21329.5	0.009
REI CAMP 2	7/12/2023	14:30:00 - 14:45:00	0.014	0.028	0.012	0.005	22229.5	0.009
REI CAMP 2	7/12/2023	14:45:00 - 15:00:00	0.014	0.028	0.012	0.005	23129.5	0.009
REI CAMP 2	7/12/2023	15:00:00 - 15:15:00	0.014	0.031	0.012	0.005	24029.9	0.01
REI CAMP 2	7/12/2023	15:15:00 - 15:30:00	0.013	0.043	0.012	0.005	24930.5	0.01
REI CAMP 2	7/12/2023	15:30:00 - 15:45:00	0.014	0.043	0.012	0.005	25830.5	0.011
REI CAMP 2	7/12/2023	15:45:00 - 16:00:00	0.013	0.043	0.012	0.005	26730.35	0.011
REI CAMP 2	7/12/2023	16:00:00 - 16:15:00	0.014	0.043	0.012	0.005	27630.233	0.012
REI CAMP 2	7/12/2023	16:15:00 - 16:30:00	0.015	0.043	0.012	0.005	28529.983	0.012
REI CAMP 2	7/12/2023	16:30:00 - 16:45:00	0.015	0.043	0.012	0.005	29429.533	0.012
REI CAMP 2	7/12/2023	16:45:00 - 17:00:00	0.014	0.043	0.012	0.005	30329.5	0.012
REI CAMP 2	7/12/2023	17:00:00 - 17:15:00	0.014	0.043	0.012	0.005	31229.5	0.012
REI CAMP 2	7/12/2023	17:15:00 - 17:30:00	0.014	0.043	0.012	0.005	32001.721	0.012
REI CAMP 2	7/13/2023	08:15:00 - 08:30:00	0.017	0.02	0.016	0.011	216.229	0
REI CAMP 2	7/13/2023	08:30:00 - 08:45:00	0.019	0.028	0.02	0.012	926.5	0.001
REI CAMP 2	7/13/2023	08:45:00 - 09:00:00	0.016	0.028	0.019	0.012	1826.5	0.001
REI CAMP 2	7/13/2023	09:00:00 - 09:15:00	0.021	0.031	0.019	0.012	2726.5	0.002
REI CAMP 2	7/13/2023	09:15:00 - 09:30:00	0.015	0.032	0.018	0.012	3626.9	0.002
REI CAMP 2	7/13/2023	09:30:00 - 09:45:00	0.014	0.032	0.017	0.012	4527.2	0.003
REI CAMP 2	7/13/2023	09:45:00 - 10:00:00	0.014	0.032	0.017	0.012	5427.017	0.003
REI CAMP 2	7/13/2023	10:00:00 - 10:15:00	0.014	0.032	0.017	0.012	6326.817	0.004
REI CAMP 2	7/13/2023	10:15:00 - 10:30:00	0.014	0.032	0.016	0.011	7226.583	0.004
REI CAMP 2	7/13/2023	10:30:00 - 10:45:00	0.014	0.032	0.016	0.011	8126.5	0.005
REI CAMP 2	7/13/2023	10:45:00 - 11:00:00	0.015	0.049	0.016	0.011	9026.5	0.005
REI CAMP 2	7/13/2023	11:00:00 - 11:15:00	0.014	0.099	0.016	0.011	9926.567	0.005
REI CAMP 2	7/13/2023	11:15:00 - 11:30:00	0.015	0.099	0.016	0.011	10828.567	0.006
REI CAMP 2	7/13/2023	11:30:00 - 11:45:00	0.014	0.099	0.016	0.011	11728.5	0.006
REI CAMP 2	7/13/2023	11:45:00 - 12:00:00	0.014	0.099	0.015	0.011	12628.5	0.007
REI CAMP 2	7/13/2023	12:00:00 - 12:15:00	0.014	0.099	0.015	0.011	13528.5	0.007
REI CAMP 2	7/13/2023	12:15:00 - 12:30:00	0.015	0.099	0.015	0.011	14428.5	0.008
REI CAMP 2	7/13/2023	12:30:00 - 12:45:00	0.015	0.099	0.015	0.011	15328.5	0.008
REI CAMP 2	7/13/2023	12:45:00 - 13:00:00	0.015	0.099	0.015	0.011	16228.5	0.009
REI CAMP 2	7/13/2023	13:00:00 - 13:15:00	0.015	0.099	0.015	0.011	17128.5	0.009
REI CAMP 2	7/13/2023	13:15:00 - 13:30:00	0.016	0.099	0.015	0.011	18028.5	0.01
REI CAMP 2	7/13/2023	13:30:00 - 13:45:00	0.016	0.099	0.015	0.011	18928.5	0.01
REI CAMP 2	7/13/2023	13:45:00 - 14:00:00	0.015	0.099	0.015	0.011	19828.45	0.011
REI CAMP 2	7/13/2023	14:00:00 - 14:15:00	0.015	0.099	0.015	0.011	20727.883	0.011
REI CAMP 2	7/13/2023	14:15:00 - 14:30:00	0.015	0.099	0.015	0.011	21627.75	0.011
REI CAMP 2	7/13/2023	14:30:00 - 14:45:00	0.016	0.099	0.015	0.011	22527.617	0.012
REI CAMP 2	7/13/2023	14:45:00 - 15:00:00	0.017	0.099	0.015	0.011	23427.533	0.012
REI CAMP 2	7/13/2023	15:00:00 - 15:15:00	0.017	0.099	0.015	0.011	24327.75	0.013
REI CAMP 2	7/13/2023	15:15:00 - 15:30:00	0.018	0.099	0.015	0.011	25228.5	0.014
REI CAMP 2	7/13/2023	15:30:00 - 15:45:00	0.018	0.099	0.016	0.011	26128.5	0.014
REI CAMP 2	7/13/2023	15:45:00 - 16:00:00	0.018	0.099	0.016	0.011	27028.5	0.015
REI CAMP 2	7/13/2023	16:00:00 - 16:15:00	0.018	0.099	0.016	0.011	27928.5	0.015
REI CAMP 2	7/13/2023	16:15:00 - 16:30:00	0.017	0.099	0.016	0.011	28828.5	0.016
REI CAMP 2	7/13/2023	16:30:00 - 16:45:00	0.018	0.099	0.016	0.011	29728.5	0.016
REI CAMP 2	7/13/2023	16:45:00 - 17:00:00	0.018	0.099	0.016	0.011	30628.5	0.016
REI CAMP 2	7/13/2023	17:00:00 - 17:15:00	0.018	0.099	0.016	0.011	31528.5	0.016
REI CAMP 2	7/13/2023	17:15:00 - 17:30:00	0.018	0.099	0.016	0.011	32428.217	0.016
REI CAMP 2	7/13/2023	17:30:00 - 17:45:00	0.018	0.099	0.016	0.011	33327.917	0.016
REI CAMP 2	7/13/2023	17:45:00 - 18:00:00	0.018	0.099	0.016	0.011	34227.8	0.016
REI CAMP 2	7/13/2023	18:00:00 - 18:15:00	0.019	0.099	0.016	0.011	35127.583	0.016
REI CAMP 2	7/13/2023	18:15:00 - 18:30:00	0.02	0.099	0.016	0.011	35607.5	0.016
REI CAMP 2	7/14/2023	08:15:00 - 08:30:00	0.013	0.015	0.012	0.009	85.167	0
REI CAMP 2	7/14/2023	08:30:00 - 08:45:00	0.02	0.027	0.018	0.011	664.5	0
REI CAMP 2	7/14/2023	08:45:00 - 09:00:00	0.031	0.071	0.022	0.011	1564.5	0.001
REI CAMP 2	7/14/2023	09:00:00 - 09:15:00	0.028	0.082	0.025	0.011	2464.5	0.002
REI CAMP 2	7/14/2023	09:15:00 - 09:30:00	0.026	0.082	0.025	0.011	3364.3	0.003
REI CAMP 2	7/14/2023	09:30:00 - 09:45:00	0.031	0.082	0.026	0.011	4263.717	0.004
REI CAMP 2	7/14/2023	09:45:00 - 10:00:00	0.027	0.082	0.027	0.011	5163.583	0.005
REI CAMP 2	7/14/2023	10:00:00 - 10:15:00	0.026	0.082	0.027	0.011	6063.5	0.006
REI CAMP 2	7/14/2023	10:15:00 - 10:30:00	0.027	0.082	0.027	0.011	6963.5	0.006
REI CAMP 2	7/14/2023	10:30:00 - 10:45:00	0.03	0.082	0.027	0.011	7863.5	0.007
REI CAMP 2	7/14/2023	10:45:00 - 11:00:00	0.024	0.082	0.027	0.011	8763.5	0.008
REI CAMP 2	7/14/2023	11:00:00 - 11:15:00	0.023	0.082	0.026	0.011	9663.5	0.009
REI CAMP 2	7/14/2023	11:15:00 - 11:30:00	0.024	0.082	0.026	0.011	10563.733	0.01
REI CAMP 2	7/14/2023	11:30:00 - 11:45:00	0.029	0.082	0.026	0.011	11464.5	0.01
REI CAMP 2	7/14/2023	11:45:00 - 12:00:00	0.024	0.082	0.026	0.011	12364.017	0.011

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 2	7/14/2023	12:00:00 - 12:15:00	0.024	0.082	0.026	0.011	13259.95	0.012
REI CAMP 2	7/14/2023	12:15:00 - 12:30:00	0.024	0.082	0.026	0.011	14159.733	0.013
REI CAMP 2	7/14/2023	12:30:00 - 12:45:00	0.025	0.082	0.026	0.011	15059.5	0.014
REI CAMP 2	7/14/2023	12:45:00 - 13:00:00	0.025	0.082	0.026	0.011	15959.5	0.014
REI CAMP 2	7/14/2023	13:00:00 - 13:15:00	0.03	0.082	0.026	0.011	16859.5	0.015
REI CAMP 2	7/14/2023	13:15:00 - 13:30:00	0.029	0.082	0.026	0.011	17759.5	0.016
REI CAMP 2	7/14/2023	13:30:00 - 13:45:00	0.031	0.082	0.026	0.011	18659.5	0.017
REI CAMP 2	7/14/2023	13:45:00 - 14:00:00	0.032	0.082	0.026	0.011	19559.5	0.018
REI CAMP 2	7/14/2023	14:00:00 - 14:15:00	0.035	0.082	0.027	0.011	20459.5	0.019
REI CAMP 2	7/14/2023	14:15:00 - 14:30:00	0.046	0.083	0.027	0.011	21359.5	0.02
REI CAMP 2	7/14/2023	14:30:00 - 14:45:00	0.058	0.119	0.028	0.011	22259.5	0.022
REI CAMP 2	7/14/2023	14:45:00 - 15:00:00	0.062	0.276	0.029	0.011	22852	0.023
REI CAMP 2	7/17/2023	08:30:00 - 08:45:00	0.017	-25640.987	0.019	0.009	242.308	0
REI CAMP 2	7/17/2023	08:45:00 - 09:00:00	0.015	0.046	0.018	0.009	982.5	0.001
REI CAMP 2	7/17/2023	09:00:00 - 09:15:00	0.013	0.046	0.016	0.009	1882.467	0.001
REI CAMP 2	7/17/2023	09:15:00 - 09:30:00	0.018	0.046	0.016	0.009	2782.367	0.002
REI CAMP 2	7/17/2023	09:30:00 - 09:45:00	0.016	0.046	0.016	0.009	3681.983	0.002
REI CAMP 2	7/17/2023	09:45:00 - 10:00:00	0.018	0.046	0.016	0.009	4581.667	0.003
REI CAMP 2	7/17/2023	10:00:00 - 10:15:00	0.02	0.037	0.019	0.013	1848.733	0.001
REI CAMP 2	7/17/2023	10:15:00 - 10:30:00	0.023	0.047	0.021	0.015	1066.167	0.001
REI CAMP 2	7/17/2023	10:30:00 - 10:45:00	0.027	0.05	0.022	0.015	1965.933	0.001
REI CAMP 2	7/17/2023	10:45:00 - 11:00:00	0.023	0.073	0.024	0.015	2865.733	0.002
REI CAMP 2	7/17/2023	11:00:00 - 11:15:00	0.031	0.1	0.024	0.015	3765.583	0.003
REI CAMP 2	7/17/2023	11:15:00 - 11:30:00	0.03	0.135	0.025	0.015	4665.5	0.004
REI CAMP 2	7/17/2023	11:30:00 - 11:45:00	0.033	0.135	0.026	0.015	5565.5	0.005
REI CAMP 2	7/17/2023	11:45:00 - 12:00:00	0.039	0.236	0.027	0.015	6465.5	0.006
REI CAMP 2	7/17/2023	12:00:00 - 12:15:00	0.041	0.396	0.028	0.015	7365.5	0.007
REI CAMP 2	7/17/2023	12:15:00 - 12:30:00	0.03	0.452	0.029	0.015	8265.5	0.008
REI CAMP 2	7/17/2023	12:30:00 - 12:45:00	0.026	0.452	0.029	0.015	9165.5	0.009
REI CAMP 2	7/17/2023	12:45:00 - 13:00:00	0.031	0.452	0.029	0.015	10065.5	0.01
REI CAMP 2	7/17/2023	13:00:00 - 13:15:00	0.042	0.452	0.03	0.015	10965.5	0.011
REI CAMP 2	7/17/2023	13:15:00 - 13:30:00	0.037	0.452	0.03	0.015	11865.5	0.012
REI CAMP 2	7/17/2023	13:30:00 - 13:45:00	0.027	0.452	0.03	0.015	12765.5	0.013
REI CAMP 2	7/17/2023	13:45:00 - 14:00:00	0.023	0.452	0.03	0.015	13665.5	0.014
REI CAMP 2	7/17/2023	14:00:00 - 14:15:00	0.028	0.452	0.029	0.015	14566.05	0.015
REI CAMP 2	7/17/2023	14:15:00 - 14:30:00	0.026	0.452	0.029	0.014	15466.167	0.016
REI CAMP 2	7/17/2023	14:30:00 - 14:45:00	0.024	0.452	0.029	0.014	16366.033	0.016
REI CAMP 2	7/17/2023	14:45:00 - 15:00:00	0.02	0.452	0.029	0.014	17265.867	0.017
REI CAMP 2	7/17/2023	15:00:00 - 15:15:00	0.027	0.452	0.028	0.014	18165.55	0.018
REI CAMP 2	7/17/2023	15:15:00 - 15:30:00	0.02	0.452	0.028	0.014	19065.5	0.019
REI CAMP 2	7/17/2023	15:30:00 - 15:45:00	0.027	0.452	0.028	0.014	19965.5	0.019
REI CAMP 2	7/17/2023	15:45:00 - 16:00:00	0.022	0.452	0.028	0.014	20865.5	0.02
REI CAMP 2	7/17/2023	16:00:00 - 16:15:00	0.032	0.452	0.028	0.014	21765.5	0.021
REI CAMP 2	7/17/2023	16:15:00 - 16:30:00	0.03	0.452	0.028	0.014	22665.5	0.022
REI CAMP 2	7/17/2023	16:30:00 - 16:45:00	0.02	0.452	0.028	0.014	23565.5	0.023
REI CAMP 2	7/17/2023	16:45:00 - 17:00:00	0.02	0.452	0.027	0.014	24465.5	0.023
REI CAMP 2	7/17/2023	17:00:00 - 17:15:00	0.019	0.452	0.027	0.014	25103	0.024
REI CAMP 2	7/18/2023	07:00:00 - 07:15:00	0.015	0.025	0.018	0.013	246.15	0
REI CAMP 2	7/18/2023	07:15:00 - 07:30:00	0.014	0.028	0.016	0.011	993.5	0.001
REI CAMP 2	7/18/2023	07:30:00 - 07:45:00	0.017	0.028	0.015	0.01	1893.5	0.001
REI CAMP 2	7/18/2023	07:45:00 - 08:00:00	0.015	0.028	0.016	0.01	2793.5	0.002
REI CAMP 2	7/18/2023	08:00:00 - 08:15:00	0.013	0.028	0.015	0.01	3693.117	0.002
REI CAMP 2	7/18/2023	08:15:00 - 08:30:00	0.014	0.028	0.015	0.01	4592.8	0.002
REI CAMP 2	7/18/2023	08:30:00 - 08:45:00	0.016	0.029	0.015	0.01	5492.65	0.003
REI CAMP 2	7/18/2023	08:45:00 - 09:00:00	0.016	0.095	0.015	0.01	6392.517	0.003
REI CAMP 2	7/18/2023	09:00:00 - 09:15:00	0.016	0.123	0.015	0.01	7292.5	0.004
REI CAMP 2	7/18/2023	09:15:00 - 09:30:00	0.017	0.123	0.015	0.01	8192.5	0.004
REI CAMP 2	7/18/2023	09:30:00 - 09:45:00	0.019	0.123	0.016	0.01	9092.5	0.005
REI CAMP 2	7/18/2023	09:45:00 - 10:00:00	0.021	0.138	0.016	0.01	9992.5	0.006
REI CAMP 2	7/18/2023	10:00:00 - 10:15:00	0.027	0.163	0.016	0.01	10892.5	0.006
REI CAMP 2	7/18/2023	10:15:00 - 10:30:00	0.033	0.163	0.018	0.01	11793.483	0.007
REI CAMP 2	7/18/2023	10:30:00 - 10:45:00	0.025	0.163	0.019	0.01	12693.5	0.008
REI CAMP 2	7/18/2023	10:45:00 - 11:00:00	0.026	0.182	0.019	0.01	13593.5	0.009
REI CAMP 2	7/18/2023	11:00:00 - 11:15:00	0.023	0.393	0.019	0.01	14493.317	0.01
REI CAMP 2	7/18/2023	11:15:00 - 11:30:00	0.031	0.393	0.02	0.01	15393.05	0.011
REI CAMP 2	7/18/2023	11:30:00 - 11:45:00	0.026	0.393	0.02	0.01	16292.867	0.011
REI CAMP 2	7/18/2023	11:45:00 - 12:00:00	0.04	0.393	0.021	0.01	17192.7	0.012
REI CAMP 2	7/18/2023	12:00:00 - 12:15:00	0.062	0.393	0.022	0.01	18092.6	0.014
REI CAMP 2	7/18/2023	12:15:00 - 12:30:00	0.042	0.393	0.024	0.01	18992.5	0.016
REI CAMP 2	7/18/2023	12:30:00 - 12:45:00	0.049	0.393	0.025	0.01	19892.5	0.017
REI CAMP 2	7/18/2023	12:45:00 - 13:00:00	0.047	0.393	0.026	0.01	20792.5	0.019
REI CAMP 2	7/18/2023	13:00:00 - 13:15:00	0.054	0.46	0.027	0.01	21692.5	0.02
REI CAMP 2	7/18/2023	13:15:00 - 13:30:00	0.047	0.704	0.028	0.01	22592.5	0.022
REI CAMP 2	7/18/2023	13:30:00 - 13:45:00	0.054	0.704	0.029	0.01	23492.5	0.023
REI CAMP 2	7/18/2023	13:45:00 - 14:00:00	0.055	0.704	0.03	0.01	24392.5	0.025
REI CAMP 2	7/18/2023	14:00:00 - 14:15:00	0.063	0.704	0.031	0.01	25292.5	0.027
REI CAMP 2	7/18/2023	14:15:00 - 14:30:00	0.065	0.758	0.032	0.01	26192.5	0.029
REI CAMP 2	7/18/2023	14:30:00 - 14:45:00	0.073	0.839	0.033	0.01	27092.5	0.031
REI CAMP 2	7/18/2023	14:45:00 - 15:00:00	0.062	0.839	0.034	0.01	27992.45	0.033
REI CAMP 2	7/18/2023	15:00:00 - 15:15:00	0.059	0.839	0.035	0.01	28892.05	0.035
REI CAMP 2	7/18/2023	15:15:00 - 15:30:00	0.058	0.839	0.036	0.01	29791.867	0.035
REI CAMP 2	7/18/2023	15:30:00 - 15:45:00	0.061	0.839	0.036	0.01	30691.717	0.035
REI CAMP 2	7/18/2023	15:45:00 - 16:00:00	0.066	0.839	0.037	0.01	31591.683	0.035
REI CAMP 2	7/18/2023	16:00:00 - 16:15:00	0.06	0.839	0.038	0.01	32492.117	0.035
REI CAMP 2	7/18/2023	16:15:00 - 16:30:00	0.064	0.839	0.039	0.01	33392.5	0.035
REI CAMP 2	7/18/2023	16:30:00 - 16:45:00	0.06	0.839	0.039	0.01	34292.5	0.035
REI CAMP 2	7/18/2023	16:45:00 - 17:00:00	0.06	0.839	0.04	0.01	35192.5	0.035
REI CAMP 2	7/18/2023	17:00:00 - 17:15:00	0.058	0.839	0.04	0.01	36092.5	0.035
REI CAMP 2	7/18/2023	17:15:00 - 17:30:00	0.064	0.839	0.041	0.01	36992.5	0.035
REI CAMP 2	7/18/2023	17:30:00 - 17:45:00	0.061	0.839	0.041	0.01	37892.5	0.035
REI CAMP 2	7/18/2023	17:45:00 - 18:00:00	0.059	0.839	0.042	0.01	38792.5	0.035
REI CAMP 2	7/18/2023	18:00:00 - 18:15:00	0.061	0.839	0.042	0.01	39692.417	0.035
REI CAMP 2	7/18/2023	18:15:00 - 18:30:00	0.066	0.839	0.042	0.01	40592.3	0.035
REI CAMP 2	7/18/2023	18:30:00 - 18:45:00	0.062	0.839	0.043	0.01	41492.183	0.035

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 2	7/18/2023	18:45:00 - 19:00:00	0.062	0.839	0.043	0.01	42391.967	0.035
REI CAMP 2	7/18/2023	19:00:00 - 19:15:00	0.062	0.839	0.044	0.01	43291.65	0.035
REI CAMP 2	7/18/2023	19:15:00 - 19:30:00	0.063	0.839	0.044	0.01	44191.5	0.035
REI CAMP 2	7/18/2023	19:30:00 - 19:45:00	0.062	0.839	0.045	0.01	45091.5	0.035
REI CAMP 2	7/18/2023	19:45:00 - 20:00:00	0.062	0.839	0.045	0.01	45991.5	0.035
REI CAMP 2	7/18/2023	20:00:00 - 20:15:00	0.06	0.839	0.045	0.01	46891.5	0.035
REI CAMP 2	7/18/2023	20:15:00 - 20:30:00	0.054	0.839	0.045	0.01	47791.5	0.035
REI CAMP 2	7/18/2023	20:30:00 - 20:45:00	0.05	0.839	0.045	0.01	48376.5	0.035
REI CAMP 2	7/19/2023	07:00:00 - 07:15:00	0.029	0.031	0.028	0.021	81.278	0
REI CAMP 2	7/19/2023	07:15:00 - 07:30:00	0.039	0.043	0.039	0.027	659.5	0
REI CAMP 2	7/19/2023	07:30:00 - 07:45:00	0.038	0.045	0.039	0.027	1559.467	0.002
REI CAMP 2	7/19/2023	07:45:00 - 08:00:00	0.039	0.048	0.039	0.027	2459.25	0.003
REI CAMP 2	7/19/2023	08:00:00 - 08:15:00	0.04	0.049	0.039	0.027	3358.983	0.005
REI CAMP 2	7/19/2023	08:15:00 - 08:30:00	0.042	0.05	0.039	0.027	4258.533	0.006
REI CAMP 2	7/19/2023	08:30:00 - 08:45:00	0.045	0.061	0.04	0.027	5158.517	0.007
REI CAMP 2	7/19/2023	08:45:00 - 09:00:00	0.059	0.65	0.042	0.027	6058.5	0.009
REI CAMP 2	7/19/2023	09:00:00 - 09:15:00	0.048	1.37	0.043	0.027	6959.067	0.01
REI CAMP 2	7/19/2023	09:15:00 - 09:30:00	0.053	1.37	0.044	0.027	7859.5	0.012
REI CAMP 2	7/19/2023	09:30:00 - 09:45:00	0.054	1.37	0.045	0.027	8759.5	0.014
REI CAMP 2	7/19/2023	09:45:00 - 10:00:00	0.056	1.37	0.046	0.027	9659.5	0.015
REI CAMP 2	7/19/2023	10:00:00 - 10:15:00	0.058	1.37	0.047	0.027	10559.5	0.017
REI CAMP 2	7/19/2023	10:15:00 - 10:30:00	0.054	1.37	0.048	0.027	11459.5	0.019
REI CAMP 2	7/19/2023	10:30:00 - 10:45:00	0.051	1.37	0.048	0.027	12359.5	0.021
REI CAMP 2	7/19/2023	10:45:00 - 11:00:00	0.045	1.37	0.048	0.027	13259.5	0.022
REI CAMP 2	7/19/2023	11:00:00 - 11:15:00	0.039	1.37	0.048	0.027	14159.4	0.023
REI CAMP 2	7/19/2023	11:15:00 - 11:30:00	0.039	1.37	0.047	0.027	15059.1	0.025
REI CAMP 2	7/19/2023	11:30:00 - 11:45:00	0.041	1.37	0.047	0.027	15958.867	0.026
REI CAMP 2	7/19/2023	11:45:00 - 12:00:00	0.04	1.37	0.046	0.027	16858.767	0.027
REI CAMP 2	7/19/2023	12:00:00 - 12:15:00	0.037	1.37	0.046	0.027	17758.567	0.028
REI CAMP 2	7/19/2023	12:15:00 - 12:30:00	0.03	1.37	0.046	0.026	18658.5	0.03
REI CAMP 2	7/19/2023	12:30:00 - 12:45:00	0.02	1.37	0.045	0.018	19551.466	0.03
REI CAMP 2	7/19/2023	12:45:00 - 13:00:00	0.022	1.37	0.043	0.015	20450.5	0.031
REI CAMP 2	7/19/2023	13:00:00 - 13:15:00	0.018	1.37	0.042	0.015	21350.5	0.031
REI CAMP 2	7/19/2023	13:15:00 - 13:30:00	0.017	1.37	0.041	0.015	22250.517	0.032
REI CAMP 2	7/19/2023	13:30:00 - 13:45:00	0.018	1.37	0.04	0.015	23150.5	0.033
REI CAMP 2	7/19/2023	13:45:00 - 14:00:00	0.018	1.37	0.04	0.015	24050.5	0.033
REI CAMP 2	7/19/2023	14:00:00 - 14:15:00	0.018	1.37	0.039	0.015	24950.5	0.034
REI CAMP 2	7/19/2023	14:15:00 - 14:30:00	0.018	1.37	0.038	0.015	25850.5	0.034
REI CAMP 2	7/19/2023	14:30:00 - 14:45:00	0.022	1.37	0.038	0.015	26750.833	0.035
REI CAMP 2	7/19/2023	14:45:00 - 15:00:00	0.018	1.37	0.037	0.015	27651.5	0.035
REI CAMP 2	7/19/2023	15:00:00 - 15:15:00	0.019	1.37	0.036	0.015	28551.417	0.036
REI CAMP 2	7/19/2023	15:15:00 - 15:30:00	0.019	1.37	0.036	0.015	29451.15	0.036
REI CAMP 2	7/19/2023	15:30:00 - 15:45:00	0.018	1.37	0.035	0.014	30350.9	0.036
REI CAMP 2	7/19/2023	15:45:00 - 16:00:00	0.017	1.37	0.035	0.014	31250.817	0.036
REI CAMP 2	7/19/2023	16:00:00 - 16:15:00	0.017	1.37	0.034	0.01	32150.633	0.036
REI CAMP 2	7/19/2023	16:15:00 - 16:30:00	0.018	1.37	0.034	0.01	33050.5	0.036
REI CAMP 2	7/19/2023	16:30:00 - 16:45:00	0.016	1.37	0.033	0.01	33950.5	0.036
REI CAMP 2	7/19/2023	16:45:00 - 17:00:00	0.017	1.37	0.033	0.01	34850.5	0.036
REI CAMP 2	7/19/2023	17:00:00 - 17:15:00	0.017	1.37	0.033	0.01	35750.5	0.036
REI CAMP 2	7/19/2023	17:15:00 - 17:30:00	0.016	1.37	0.032	0.01	36650.5	0.036
REI CAMP 2	7/19/2023	17:30:00 - 17:45:00	0.018	1.37	0.032	0.01	37550.5	0.036
REI CAMP 2	7/19/2023	17:45:00 - 18:00:00	0.022	1.37	0.031	0.01	38450.5	0.036
REI CAMP 2	7/19/2023	18:00:00 - 18:15:00	0.022	1.37	0.031	0.01	39350.5	0.036
REI CAMP 2	7/19/2023	18:15:00 - 18:30:00	0.018	1.37	0.031	0.01	40245.136	0.036
REI CAMP 2	7/19/2023	18:30:00 - 18:45:00	0.018	1.37	0.031	0.01	40968.886	0.036
REI CAMP 2	7/20/2023	07:30:00 - 07:45:00	0.013	0.03	0.013	0.01	388.793	0
REI CAMP 2	7/20/2023	07:45:00 - 08:00:00	0.014	0.036	0.014	0.011	1272.5	0.001
REI CAMP 2	7/20/2023	08:00:00 - 08:15:00	0.013	0.036	0.014	0.01	2172.5	0.001
REI CAMP 2	7/20/2023	08:15:00 - 08:30:00	0.014	0.036	0.014	0.01	3072.5	0.001
REI CAMP 2	7/20/2023	08:30:00 - 08:45:00	0.015	0.036	0.014	0.01	3973.417	0.002
REI CAMP 2	7/20/2023	08:45:00 - 09:00:00	0.017	0.036	0.014	0.01	4873.5	0.002
REI CAMP 2	7/20/2023	09:00:00 - 09:15:00	0.018	0.036	0.015	0.01	5773.5	0.003
REI CAMP 2	7/20/2023	09:15:00 - 09:30:00	0.019	0.036	0.015	0.01	6673.5	0.004
REI CAMP 2	7/20/2023	09:30:00 - 09:45:00	0.02	0.036	0.016	0.01	7573.5	0.004
REI CAMP 2	7/20/2023	09:45:00 - 10:00:00	0.022	0.036	0.016	0.01	8473.5	0.005
REI CAMP 2	7/20/2023	10:00:00 - 10:15:00	0.023	0.036	0.017	0.01	9373.333	0.006
REI CAMP 2	7/20/2023	10:15:00 - 10:30:00	0.023	0.036	0.017	0.01	10273.25	0.006
REI CAMP 2	7/20/2023	10:30:00 - 10:45:00	0.024	0.036	0.018	0.01	11172.667	0.007
REI CAMP 2	7/20/2023	10:45:00 - 11:00:00	0.024	0.036	0.018	0.01	12072.55	0.008
REI CAMP 2	7/20/2023	11:00:00 - 11:15:00	0.024	0.036	0.019	0.01	12972.5	0.008
REI CAMP 2	7/20/2023	11:15:00 - 11:30:00	0.025	0.036	0.019	0.01	13872.5	0.009
REI CAMP 2	7/20/2023	11:30:00 - 11:45:00	0.024	0.037	0.019	0.01	14772.5	0.01
REI CAMP 2	7/20/2023	11:45:00 - 12:00:00	0.024	0.06	0.02	0.01	15672.5	0.011
REI CAMP 2	7/20/2023	12:00:00 - 12:15:00	0.022	0.235	0.02	0.01	16572.5	0.011
REI CAMP 2	7/20/2023	12:15:00 - 12:30:00	0.021	0.235	0.02	0.01	17472.5	0.012
REI CAMP 2	7/20/2023	12:30:00 - 12:45:00	0.022	0.235	0.02	0.01	18372.5	0.013
REI CAMP 2	7/20/2023	12:45:00 - 13:00:00	0.018	0.235	0.02	0.01	19272.5	0.013
REI CAMP 2	7/20/2023	13:00:00 - 13:15:00	0.017	0.255	0.02	0.01	20172.5	0.014
REI CAMP 2	7/20/2023	13:15:00 - 13:30:00	0.015	0.282	0.02	0.01	21072.483	0.014
REI CAMP 2	7/20/2023	13:30:00 - 13:45:00	0.014	0.282	0.019	0.01	21972.017	0.015
REI CAMP 2	7/20/2023	13:45:00 - 14:00:00	0.013	0.282	0.019	0.01	22871.85	0.015
REI CAMP 2	7/20/2023	14:00:00 - 14:15:00	0.014	0.282	0.019	0.01	23771.633	0.016
REI CAMP 2	7/20/2023	14:15:00 - 14:30:00	0.015	0.333	0.019	0.01	24671.5	0.016
REI CAMP 2	7/20/2023	14:30:00 - 14:45:00	0.014	0.348	0.019	0.01	25572.417	0.017
REI CAMP 2	7/20/2023	14:45:00 - 15:00:00	0.013	0.348	0.019	0.01	26472.5	0.017
REI CAMP 2	7/20/2023	15:00:00 - 15:15:00	0.013	0.348	0.018	0.01	27372.5	0.017
REI CAMP 2	7/20/2023	15:15:00 - 15:30:00	0.012	0.348	0.018	0.009	28272.55	0.018
REI CAMP 2	7/20/2023	15:30:00 - 15:45:00	0.011	0.348	0.018	0.009	29172.5	0.018
REI CAMP 2	7/20/2023	15:45:00 - 16:00:00	0.011	0.348	0.018	0.008	30072.5	0.018
REI CAMP 2	7/20/2023	16:00:00 - 16:15:00	0.011	0.348	0.018	0.007	30966.525	0.018
REI CAMP 2	7/20/2023	16:15:00 - 16:30:00	0.012	0.348	0.017	0.007	31872.5	0.018
REI CAMP 2	7/20/2023	16:30:00 - 16:45:00	0.012	0.348	0.017	0.007	32562.5	0.018
REI CAMP 2	7/21/2023	07:00:00 - 07:15:00	0.028	0.034	0.027	0.02	254.69	0
REI CAMP 2	7/21/2023	07:15:00 - 07:30:00	0.031	0.049	0.031	0.022	1016.55	0.001

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 2	7/21/2023	07:30:00 - 07:45:00	0.031	0.051	0.031	0.022	1916.6	0.002
REI CAMP 2	7/21/2023	07:45:00 - 08:00:00	0.031	0.051	0.031	0.022	2816.5	0.003
REI CAMP 2	7/21/2023	08:00:00 - 08:15:00	0.031	0.051	0.031	0.022	3716.5	0.004
REI CAMP 2	7/21/2023	08:15:00 - 08:30:00	0.031	0.051	0.031	0.022	4616.5	0.005
REI CAMP 2	7/21/2023	08:30:00 - 08:45:00	0.031	0.051	0.031	0.022	5516.5	0.006
REI CAMP 2	7/21/2023	08:45:00 - 09:00:00	0.031	0.051	0.031	0.022	6416.5	0.007
REI CAMP 2	7/21/2023	09:00:00 - 09:15:00	0.032	0.052	0.031	0.022	7316.5	0.008
REI CAMP 2	7/21/2023	09:15:00 - 09:30:00	0.034	0.059	0.031	0.022	8216.5	0.009
REI CAMP 2	7/21/2023	09:30:00 - 09:45:00	0.033	0.073	0.031	0.022	9116.5	0.01
REI CAMP 2	7/21/2023	09:45:00 - 10:00:00	0.032	0.088	0.032	0.022	10016.5	0.011
REI CAMP 2	7/21/2023	10:00:00 - 10:15:00	0.031	0.088	0.032	0.022	10916.983	0.012
REI CAMP 2	7/21/2023	10:15:00 - 10:30:00	0.032	0.088	0.032	0.022	11817.05	0.013
REI CAMP 2	7/21/2023	10:30:00 - 10:45:00	0.031	0.088	0.032	0.022	12716.95	0.014
REI CAMP 2	7/21/2023	10:45:00 - 11:00:00	0.032	0.088	0.032	0.022	13616.783	0.015
REI CAMP 2	7/21/2023	11:00:00 - 11:15:00	0.034	0.088	0.032	0.022	14516.567	0.016
REI CAMP 2	7/21/2023	11:15:00 - 11:30:00	0.034	0.088	0.032	0.022	15416.5	0.017
REI CAMP 2	7/21/2023	11:30:00 - 11:45:00	0.033	0.088	0.032	0.022	16316.5	0.018
REI CAMP 2	7/21/2023	11:45:00 - 12:00:00	0.03	0.088	0.032	0.022	17216.5	0.019
REI CAMP 2	7/21/2023	12:00:00 - 12:15:00	0.033	0.088	0.032	0.022	18116.5	0.02
REI CAMP 2	7/21/2023	12:15:00 - 12:30:00	0.033	0.088	0.032	0.022	19016.5	0.021
REI CAMP 2	7/21/2023	12:30:00 - 12:45:00	0.034	0.095	0.032	0.022	19916.5	0.022
REI CAMP 2	7/21/2023	12:45:00 - 13:00:00	0.033	0.124	0.032	0.022	20816.5	0.023
REI CAMP 2	7/21/2023	13:00:00 - 13:15:00	0.037	0.124	0.032	0.022	21716.367	0.024
REI CAMP 2	7/21/2023	13:15:00 - 13:30:00	0.04	0.132	0.032	0.022	22616.167	0.025
REI CAMP 2	7/21/2023	13:30:00 - 13:45:00	0.037	0.135	0.033	0.022	23516.117	0.027
REI CAMP 2	7/21/2023	13:45:00 - 14:00:00	0.039	0.135	0.033	0.022	24415.883	0.028
REI CAMP 2	7/21/2023	14:00:00 - 14:15:00	0.041	0.155	0.033	0.022	25315.633	0.029
REI CAMP 2	7/21/2023	14:15:00 - 14:30:00	0.043	0.171	0.033	0.022	26215.5	0.03
REI CAMP 2	7/21/2023	14:30:00 - 14:45:00	0.04	0.39	0.034	0.022	27115.5	0.032
REI CAMP 2	7/21/2023	14:45:00 - 15:00:00	0.042	0.41	0.034	0.022	28015.517	0.033
REI CAMP 2	7/21/2023	15:00:00 - 15:15:00	0.037	0.41	0.034	0.022	28915.5	0.034
REI CAMP 2	7/21/2023	15:15:00 - 15:30:00	0.038	0.41	0.034	0.022	29815.5	0.034
REI CAMP 2	7/21/2023	15:30:00 - 15:45:00	0.036	0.41	0.034	0.022	30715.5	0.034
REI CAMP 2	7/21/2023	15:45:00 - 16:00:00	0.043	0.41	0.035	0.022	31615.5	0.034
REI CAMP 2	7/21/2023	16:00:00 - 16:15:00	0.045	0.41	0.035	0.022	32516.133	0.034
REI CAMP 2	7/21/2023	16:15:00 - 16:30:00	0.045	0.41	0.035	0.022	33416.333	0.034
REI CAMP 2	7/21/2023	16:30:00 - 16:45:00	0.052	0.41	0.035	0.022	34316.083	0.034
REI CAMP 2	7/21/2023	16:45:00 - 17:00:00	0.049	0.41	0.036	0.022	35215.983	0.034
REI CAMP 2	7/21/2023	17:00:00 - 17:15:00	0.039	0.41	0.036	0.022	36115.633	0.034
REI CAMP 2	7/21/2023	17:15:00 - 17:30:00	0.049	0.41	0.036	0.022	37015.5	0.034
REI CAMP 2	7/21/2023	17:30:00 - 17:45:00	0.04	0.41	0.036	0.022	37915.5	0.034
REI CAMP 2	7/21/2023	17:45:00 - 18:00:00	0.036	0.41	0.036	0.022	38801.672	0.034
REI CAMP 2	7/21/2023	18:00:00 - 18:15:00	0.039	0.41	0.036	0.022	39724.466	0.034
REI CAMP 2	7/21/2023	18:15:00 - 18:30:00	0.035	0.41	0.036	0.022	40614.5	0.034
REI CAMP 2	7/21/2023	18:30:00 - 18:45:00	0.039	0.41	0.036	0.022	41259.5	0.034
REI CAMP 2	7/24/2023	08:00:00 - 08:15:00	0.106	0.116	0.102	0.069	356.056	0
REI CAMP 2	7/24/2023	08:15:00 - 08:30:00	0.118	0.131	0.114	0.073	1209.5	0.004
REI CAMP 2	7/24/2023	08:30:00 - 08:45:00	0.127	0.135	0.118	0.073	2109.5	0.009
REI CAMP 2	7/24/2023	08:45:00 - 09:00:00	0.131	0.142	0.121	0.073	3009.517	0.013
REI CAMP 2	7/24/2023	09:00:00 - 09:15:00	0.13	0.143	0.124	0.073	3909.5	0.017
REI CAMP 2	7/24/2023	09:15:00 - 09:30:00	0.131	0.143	0.125	0.073	4809.5	0.021
REI CAMP 2	7/24/2023	09:30:00 - 09:45:00	0.137	0.146	0.126	0.073	5709.45	0.025
REI CAMP 2	7/24/2023	09:45:00 - 10:00:00	0.135	0.152	0.128	0.073	6609.283	0.029
REI CAMP 2	7/24/2023	10:00:00 - 10:15:00	0.133	0.152	0.128	0.073	7509.55	0.033
REI CAMP 2	7/24/2023	10:15:00 - 10:30:00	0.136	0.152	0.129	0.073	8409.65	0.038
REI CAMP 2	7/24/2023	10:30:00 - 10:45:00	0.128	0.152	0.129	0.073	9309.55	0.042
REI CAMP 2	7/24/2023	10:45:00 - 11:00:00	0.124	0.152	0.129	0.073	10209.5	0.046
REI CAMP 2	7/24/2023	11:00:00 - 11:15:00	0.117	0.152	0.128	0.073	11109.5	0.049
REI CAMP 2	7/24/2023	11:15:00 - 11:30:00	0.118	0.152	0.128	0.073	12009.5	0.053
REI CAMP 2	7/24/2023	11:30:00 - 11:45:00	0.111	0.152	0.127	0.073	12909.5	0.057
REI CAMP 2	7/24/2023	11:45:00 - 12:00:00	0.103	0.152	0.125	0.073	13809.5	0.06
REI CAMP 2	7/24/2023	12:00:00 - 12:15:00	0.107	0.152	0.124	0.073	14709.5	0.063
REI CAMP 2	7/24/2023	12:15:00 - 12:30:00	0.106	0.152	0.123	0.073	15609.5	0.067
REI CAMP 2	7/24/2023	12:30:00 - 12:45:00	0.109	0.152	0.122	0.073	16509.5	0.07
REI CAMP 2	7/24/2023	12:45:00 - 13:00:00	0.105	0.152	0.122	0.073	17409.5	0.073
REI CAMP 2	7/24/2023	13:00:00 - 13:15:00	0.105	0.152	0.121	0.073	18309.117	0.077
REI CAMP 2	7/24/2023	13:15:00 - 13:30:00	0.111	0.152	0.12	0.073	19208.933	0.08
REI CAMP 2	7/24/2023	13:30:00 - 13:45:00	0.12	0.152	0.12	0.073	20108.767	0.084
REI CAMP 2	7/24/2023	13:45:00 - 14:00:00	0.132	0.152	0.12	0.073	21008.55	0.088
REI CAMP 2	7/24/2023	14:00:00 - 14:15:00	0.144	0.155	0.121	0.073	21908.5	0.092
REI CAMP 2	7/24/2023	14:15:00 - 14:30:00	0.147	0.166	0.122	0.073	22808.5	0.096
REI CAMP 2	7/24/2023	14:30:00 - 14:45:00	0.152	0.167	0.123	0.073	23708.5	0.101
REI CAMP 2	7/24/2023	14:45:00 - 15:00:00	0.155	0.174	0.124	0.073	24608.5	0.106
REI CAMP 2	7/24/2023	15:00:00 - 15:15:00	0.153	0.174	0.125	0.073	25508.5	0.111
REI CAMP 2	7/24/2023	15:15:00 - 15:30:00	0.155	0.175	0.126	0.073	26408.5	0.115
REI CAMP 2	7/24/2023	15:30:00 - 15:45:00	0.157	0.18	0.127	0.073	27308.5	0.12
REI CAMP 2	7/24/2023	15:45:00 - 16:00:00	0.154	0.18	0.128	0.073	28208.5	0.125
REI CAMP 2	7/24/2023	16:00:00 - 16:15:00	0.154	0.18	0.129	0.073	29109.15	0.128
REI CAMP 2	7/25/2023	07:45:00 - 08:00:00	0.03	0.045	0.03	0.025	108.478	0
REI CAMP 2	7/25/2023	08:00:00 - 08:15:00	0.038	0.061	0.038	0.032	723.5	0
REI CAMP 2	7/25/2023	08:15:00 - 08:30:00	0.039	0.061	0.038	0.032	1623.65	0.002
REI CAMP 2	7/25/2023	08:30:00 - 08:45:00	0.037	0.061	0.038	0.032	2524.5	0.003
REI CAMP 2	7/25/2023	08:45:00 - 09:00:00	0.038	0.061	0.038	0.032	3424.5	0.005
REI CAMP 2	7/25/2023	09:00:00 - 09:15:00	0.041	0.061	0.038	0.032	4324.5	0.006
REI CAMP 2	7/25/2023	09:15:00 - 09:30:00	0.044	0.061	0.039	0.032	5224.5	0.007
REI CAMP 2	7/25/2023	09:30:00 - 09:45:00	0.045	0.061	0.04	0.032	6124.5	0.009
REI CAMP 2	7/25/2023	09:45:00 - 10:00:00	0.05	0.061	0.041	0.032	7024.5	0.01
REI CAMP 2	7/25/2023	10:00:00 - 10:15:00	0.053	0.061	0.042	0.032	7924.5	0.012
REI CAMP 2	7/25/2023	10:15:00 - 10:30:00	0.058	0.095	0.043	0.032	8824.3	0.013
REI CAMP 2	7/25/2023	10:30:00 - 10:45:00	0.061	0.112	0.045	0.032	9724.2	0.015
REI CAMP 2	7/25/2023	10:45:00 - 11:00:00	0.083	0.112	0.047	0.032	10623.95	0.017
REI CAMP 2	7/25/2023	11:00:00 - 11:15:00	0.086	0.199	0.05	0.032	11523.65	0.02
REI CAMP 2	7/25/2023	11:15:00 - 11:30:00	0.083	0.209	0.052	0.032	12423.5	0.023
REI CAMP 2	7/25/2023	11:30:00 - 11:45:00	0.088	0.209	0.055	0.032	13323.5	0.025

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 2	7/25/2023	11:45:00 - 12:00:00	0.088	0.209	0.057	0.032	14223.5	0.028
REI CAMP 2	7/25/2023	12:00:00 - 12:15:00	0.088	0.209	0.059	0.032	15123.5	0.031
REI CAMP 2	7/25/2023	12:15:00 - 12:30:00	0.085	0.209	0.06	0.032	16023.5	0.034
REI CAMP 2	7/25/2023	12:30:00 - 12:45:00	0.082	0.209	0.062	0.032	16923.517	0.036
REI CAMP 2	7/25/2023	12:45:00 - 13:00:00	0.083	0.209	0.063	0.032	17823.5	0.039
REI CAMP 2	7/25/2023	13:00:00 - 13:15:00	0.088	0.261	0.064	0.032	18716	0.041
REI CAMP 2	7/25/2023	13:15:00 - 13:30:00	0.085	0.296	0.065	0.032	19608.5	0.044
REI CAMP 2	7/25/2023	13:30:00 - 13:45:00	0.085	0.296	0.066	0.032	20508.5	0.047
REI CAMP 2	7/25/2023	13:45:00 - 14:00:00	0.09	0.4	0.067	0.032	21408.717	0.05
REI CAMP 2	7/25/2023	14:00:00 - 14:15:00	0.093	0.43	0.067	0.032	22309.3	0.052
REI CAMP 2	7/25/2023	14:15:00 - 14:30:00	0.091	0.43	0.069	0.032	23216.623	0.055
REI CAMP 2	7/25/2023	14:30:00 - 14:45:00	0.092	0.43	0.069	0.032	24116.508	0.058
REI CAMP 2	7/25/2023	14:45:00 - 15:00:00	0.092	0.43	0.07	0.032	25008.75	0.061
REI CAMP 2	7/25/2023	15:00:00 - 15:15:00	0.087	0.43	0.071	0.032	25908.5	0.064
REI CAMP 2	7/25/2023	15:15:00 - 15:30:00	0.085	0.43	0.071	0.032	26816	0.066
REI CAMP 2	7/25/2023	15:30:00 - 15:45:00	0.086	0.43	0.072	0.032	27723.5	0.069
REI CAMP 2	7/25/2023	15:45:00 - 16:00:00	0.087	0.43	0.072	0.032	28616	0.072
REI CAMP 2	7/25/2023	16:00:00 - 16:15:00	0.098	0.546	0.073	0.032	29516	0.072
REI CAMP 2	7/25/2023	16:15:00 - 16:30:00	0.08	0.587	0.073	0.032	30416	0.072
REI CAMP 2	7/25/2023	16:30:00 - 16:45:00	0.082	0.587	0.074	0.032	31308.5	0.072
REI CAMP 2	7/25/2023	16:45:00 - 17:00:00	0.084	0.587	0.074	0.032	32208.5	0.072
REI CAMP 2	7/25/2023	17:00:00 - 17:15:00	0.078	0.587	0.074	0.032	33108.5	0.072
REI CAMP 2	7/25/2023	17:15:00 - 17:30:00	0.081	0.587	0.074	0.032	34008.5	0.072
REI CAMP 2	7/25/2023	17:30:00 - 17:45:00	0.076	0.587	0.074	0.032	34908.5	0.072
REI CAMP 2	7/25/2023	17:45:00 - 18:00:00	0.073	0.587	0.074	0.032	35808.383	0.072
REI CAMP 2	7/25/2023	18:00:00 - 18:15:00	0.075	0.587	0.074	0.032	36708.033	0.072
REI CAMP 2	7/25/2023	18:15:00 - 18:30:00	0.076	0.587	0.074	0.032	37607.9	0.072
REI CAMP 2	7/25/2023	18:30:00 - 18:45:00	0.074	0.587	0.074	0.032	38215.095	0.072
REI CAMP 2	7/26/2023	08:00:00 - 08:15:00	0.06	0.063	0.058	0.037	130.096	0
REI CAMP 2	7/26/2023	08:15:00 - 08:30:00	0.101	0.113	0.103	0.064	900.5	0.002
REI CAMP 2	7/26/2023	08:30:00 - 08:45:00	0.098	0.113	0.101	0.064	1800.5	0.006
REI CAMP 2	7/26/2023	08:45:00 - 09:00:00	0.097	0.113	0.1	0.064	2700.5	0.009
REI CAMP 2	7/26/2023	09:00:00 - 09:15:00	0.096	0.113	0.099	0.064	3600.417	0.012
REI CAMP 2	7/26/2023	09:15:00 - 09:30:00	0.096	0.113	0.098	0.064	4500.2	0.015
REI CAMP 2	7/26/2023	09:30:00 - 09:45:00	0.095	0.113	0.098	0.064	5400.067	0.018
REI CAMP 2	7/26/2023	09:45:00 - 10:00:00	0.089	0.113	0.097	0.064	6299.867	0.021
REI CAMP 2	7/26/2023	10:00:00 - 10:15:00	0.084	0.113	0.096	0.064	7199.667	0.024
REI CAMP 2	7/26/2023	10:15:00 - 10:30:00	0.08	0.113	0.094	0.064	8099.5	0.027
REI CAMP 2	7/26/2023	10:30:00 - 10:45:00	0.079	0.113	0.093	0.064	8999.5	0.029
REI CAMP 2	7/26/2023	10:45:00 - 11:00:00	0.077	0.113	0.091	0.064	9899.5	0.031
REI CAMP 2	7/26/2023	11:00:00 - 11:15:00	0.076	0.113	0.09	0.064	10799.5	0.034
REI CAMP 2	7/26/2023	11:15:00 - 11:30:00	0.07	0.113	0.089	0.063	11699.833	0.036
REI CAMP 2	7/26/2023	11:30:00 - 11:45:00	0.068	0.113	0.088	0.061	12600.517	0.038
REI CAMP 2	7/26/2023	11:45:00 - 12:00:00	0.062	0.113	0.086	0.059	13500.5	0.04
REI CAMP 2	7/26/2023	12:00:00 - 12:15:00	0.061	0.113	0.084	0.057	14400.4	0.042
REI CAMP 2	7/26/2023	12:15:00 - 12:30:00	0.057	0.113	0.083	0.054	15300.117	0.044
REI CAMP 2	7/26/2023	12:30:00 - 12:45:00	0.055	0.113	0.081	0.051	16199.933	0.046
REI CAMP 2	7/26/2023	12:45:00 - 13:00:00	0.048	0.113	0.08	0.046	17099.75	0.047
REI CAMP 2	7/26/2023	13:00:00 - 13:15:00	0.041	0.113	0.078	0.037	18000.467	0.049
REI CAMP 2	7/26/2023	13:15:00 - 13:30:00	0.033	0.113	0.076	0.029	18909.117	0.05
REI CAMP 2	7/26/2023	13:30:00 - 13:45:00	0.028	0.113	0.074	0.022	19808.733	0.051
REI CAMP 2	7/26/2023	13:45:00 - 14:00:00	0.022	0.113	0.072	0.02	20708.617	0.052
REI CAMP 2	7/26/2023	14:00:00 - 14:15:00	0.019	0.113	0.07	0.017	21608.567	0.052
REI CAMP 2	7/26/2023	14:15:00 - 14:30:00	0.02	0.113	0.068	0.017	22508.5	0.053
REI CAMP 2	7/26/2023	14:30:00 - 14:45:00	0.025	0.113	0.066	0.017	23408.5	0.054
REI CAMP 2	7/26/2023	14:45:00 - 15:00:00	0.026	0.113	0.065	0.017	24308.517	0.054
REI CAMP 2	7/26/2023	15:00:00 - 15:15:00	0.025	0.113	0.063	0.017	25208.5	0.055
REI CAMP 2	7/26/2023	15:15:00 - 15:30:00	0.025	0.113	0.062	0.017	26108.5	0.056
REI CAMP 2	7/26/2023	15:30:00 - 15:45:00	0.02	0.113	0.061	0.017	27008.5	0.057
REI CAMP 2	7/26/2023	15:45:00 - 16:00:00	0.028	0.113	0.059	0.017	27908.5	0.058
REI CAMP 2	7/26/2023	16:00:00 - 16:15:00	0.022	0.113	0.058	0.016	28808.5	0.058
REI CAMP 2	7/26/2023	16:15:00 - 16:30:00	0.029	0.113	0.057	0.015	29708.5	0.058
REI CAMP 2	7/26/2023	16:30:00 - 16:45:00	0.023	0.113	0.056	0.015	30608.5	0.058
REI CAMP 2	7/26/2023	16:45:00 - 17:00:00	0.021	0.113	0.055	0.015	31508.417	0.058
REI CAMP 2	7/26/2023	17:00:00 - 17:15:00	0.019	0.113	0.054	0.014	32408.65	0.058
REI CAMP 2	7/26/2023	17:15:00 - 17:30:00	0.019	0.113	0.053	0.014	33308.8	0.058
REI CAMP 2	7/26/2023	17:30:00 - 17:45:00	0.019	0.113	0.053	0.014	33916.19	0.058
REI CAMP 2	7/27/2023	07:45:00 - 08:00:00	0.046	0.057	0.044	0.028	166.071	0
REI CAMP 2	7/27/2023	08:00:00 - 08:15:00	0.053	0.072	0.053	0.031	823.5	0.001
REI CAMP 2	7/27/2023	08:15:00 - 08:30:00	0.051	0.072	0.052	0.031	1723.5	0.003
REI CAMP 2	7/27/2023	08:30:00 - 08:45:00	0.049	0.072	0.052	0.031	2623.5	0.005
REI CAMP 2	7/27/2023	08:45:00 - 09:00:00	0.049	0.072	0.051	0.031	3523.917	0.006
REI CAMP 2	7/27/2023	09:00:00 - 09:15:00	0.051	0.072	0.051	0.031	4424.5	0.008
REI CAMP 2	7/27/2023	09:15:00 - 09:30:00	0.048	0.072	0.05	0.031	5324.5	0.009
REI CAMP 2	7/27/2023	09:30:00 - 09:45:00	0.048	0.072	0.05	0.031	6224.5	0.011
REI CAMP 2	7/27/2023	09:45:00 - 10:00:00	0.044	0.072	0.05	0.031	7124.233	0.012
REI CAMP 2	7/27/2023	10:00:00 - 10:15:00	0.043	0.072	0.049	0.031	8023.917	0.014
REI CAMP 2	7/27/2023	10:15:00 - 10:30:00	0.045	0.072	0.048	0.031	8923.75	0.015
REI CAMP 2	7/27/2023	10:30:00 - 10:45:00	0.045	0.072	0.048	0.031	9823.633	0.016
REI CAMP 2	7/27/2023	10:45:00 - 11:00:00	0.043	0.072	0.048	0.031	10723.55	0.018
REI CAMP 2	7/27/2023	11:00:00 - 11:15:00	0.039	0.072	0.047	0.031	11623.5	0.019
REI CAMP 2	7/27/2023	11:15:00 - 11:30:00	0.033	0.072	0.046	0.031	12523.5	0.02
REI CAMP 2	7/27/2023	11:30:00 - 11:45:00	0.031	0.072	0.045	0.029	13423.5	0.021
REI CAMP 2	7/27/2023	11:45:00 - 12:00:00	0.028	0.072	0.044	0.026	14323.5	0.022
REI CAMP 2	7/27/2023	12:00:00 - 12:15:00	0.027	0.072	0.043	0.025	15223.5	0.023
REI CAMP 2	7/27/2023	12:15:00 - 12:30:00	0.027	0.072	0.043	0.025	16123.5	0.024
REI CAMP 2	7/27/2023	12:30:00 - 12:45:00	0.028	0.072	0.042	0.025	17023.5	0.025
REI CAMP 2	7/27/2023	12:45:00 - 13:00:00	0.028	0.072	0.041	0.025	17923.433	0.026
REI CAMP 2	7/27/2023	13:00:00 - 13:15:00	0.028	0.072	0.04	0.025	18823.033	0.026
REI CAMP 2	7/27/2023	13:15:00 - 13:30:00	0.028	0.072	0.04	0.025	19722.983	0.027
REI CAMP 2	7/27/2023	13:30:00 - 13:45:00	0.028	0.072	0.039	0.025	20622.75	0.028
REI CAMP 2	7/27/2023	13:45:00 - 14:00:00	0.028	0.072	0.039	0.025	21522.617	0.029
REI CAMP 2	7/27/2023	14:00:00 - 14:15:00	0.03	0.072	0.038	0.025	22422.5	0.03
REI CAMP 2	7/27/2023	14:15:00 - 14:30:00	0.032	0.072	0.038	0.025	23322.667	0.031

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 2	7/27/2023	14:30:00 - 14:45:00	0.033	0.072	0.038	0.025	24223.5	0.032
REI CAMP 2	7/27/2023	14:45:00 - 15:00:00	0.032	0.072	0.038	0.025	25123.5	0.033
REI CAMP 2	7/27/2023	15:00:00 - 15:15:00	0.032	0.072	0.038	0.025	26023.5	0.034
REI CAMP 2	7/27/2023	15:15:00 - 15:30:00	0.032	0.072	0.037	0.025	26923.5	0.035
REI CAMP 2	7/27/2023	15:30:00 - 15:45:00	0.03	0.072	0.037	0.025	27823.5	0.036
REI CAMP 2	7/27/2023	15:45:00 - 16:00:00	0.031	0.072	0.037	0.025	28723.5	0.037
REI CAMP 2	7/27/2023	16:00:00 - 16:15:00	0.031	0.072	0.037	0.025	29623.333	0.037
REI CAMP 2	7/27/2023	16:15:00 - 16:30:00	0.03	0.072	0.037	0.025	30523.033	0.037
REI CAMP 2	7/27/2023	16:30:00 - 16:45:00	0.028	0.072	0.036	0.025	31423	0.037
REI CAMP 2	7/27/2023	16:45:00 - 17:00:00	0.028	0.072	0.036	0.025	32322.8	0.037
REI CAMP 2	7/27/2023	17:00:00 - 17:15:00	0.028	0.072	0.036	0.022	33222.5	0.037
REI CAMP 2	7/27/2023	17:15:00 - 17:30:00	0.027	0.072	0.036	0.021	33769.462	0.037

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 3	6/26/2023	15:45:00 - 16:00:00	0.129	0.158	0.13	0	459	0
REI CAMP 3	6/26/2023	16:00:00 - 16:15:00	0.116	0.185	0.126	0	1306.5	0.005
REI CAMP 3	6/26/2023	16:15:00 - 16:30:00	0.099	0.185	0.118	0	2206.5	0.009
REI CAMP 3	6/26/2023	16:30:00 - 16:45:00	0.093	0.185	0.111	0	3106.5	0.012
REI CAMP 3	6/26/2023	16:45:00 - 17:00:00	0.093	0.185	0.107	0	4006.033	0.015
REI CAMP 3	6/26/2023	17:00:00 - 17:15:00	0.093	0.185	0.104	0	4905.783	0.018
REI CAMP 3	6/26/2023	17:15:00 - 17:30:00	0.099	0.185	0.103	0	5805.683	0.021
REI CAMP 3	6/26/2023	17:30:00 - 17:45:00	0.122	0.185	0.103	0	6518	0.023
REI CAMP 3	6/27/2023	08:15:00 - 08:30:00	0.216	0.221	0.206	0.143	65.294	0
REI CAMP 3	6/27/2023	08:30:00 - 08:45:00	0.309	0.323	0.309	0.203	632.5	0.002
REI CAMP 3	6/27/2023	08:45:00 - 09:00:00	0.306	0.323	0.308	0.203	1532.517	0.016
REI CAMP 3	6/27/2023	09:00:00 - 09:15:00	0.304	0.323	0.307	0.203	2427.542	0.026
REI CAMP 3	6/27/2023	09:15:00 - 09:30:00	0.299	0.323	0.306	0.203	3332.5	0.035
REI CAMP 3	6/27/2023	09:30:00 - 09:45:00	0.294	0.323	0.304	0.203	4232.283	0.045
REI CAMP 3	6/27/2023	09:45:00 - 10:00:00	0.289	0.323	0.301	0.203	5131.8	0.054
REI CAMP 3	6/27/2023	10:00:00 - 10:15:00	0.291	0.323	0.3	0.203	6031.5	0.063
REI CAMP 3	6/27/2023	10:15:00 - 10:30:00	0.294	0.323	0.299	0.203	6931.7	0.072
REI CAMP 3	6/27/2023	10:30:00 - 10:45:00	0.3	0.323	0.298	0.203	7832.517	0.081
REI CAMP 3	6/27/2023	10:45:00 - 11:00:00	0.311	0.324	0.299	0.203	8732.5	0.091
REI CAMP 3	6/27/2023	11:00:00 - 11:15:00	0.316	0.331	0.3	0.203	9632.5	0.1
REI CAMP 3	6/27/2023	11:15:00 - 11:30:00	0.326	0.345	0.302	0.203	10532.45	0.111
REI CAMP 3	6/27/2023	11:30:00 - 11:45:00	0.314	0.346	0.304	0.203	11432.133	0.121
REI CAMP 3	6/27/2023	11:45:00 - 12:00:00	0.299	0.346	0.304	0.203	12331.933	0.13
REI CAMP 3	6/27/2023	12:00:00 - 12:15:00	0.268	0.346	0.303	0.203	13231.883	0.139
REI CAMP 3	6/27/2023	12:15:00 - 12:30:00	0.25	0.346	0.3	0.203	14138.424	0.147
REI CAMP 3	6/27/2023	12:30:00 - 12:45:00	0.21	0.346	0.296	0.197	15031.5	0.154
REI CAMP 3	6/27/2023	12:45:00 - 13:00:00	0.21	0.346	0.291	0.191	15931.5	0.161
REI CAMP 3	6/27/2023	13:00:00 - 13:15:00	0.197	0.346	0.286	0.189	16831.5	0.167
REI CAMP 3	6/27/2023	13:15:00 - 13:30:00	0.186	0.346	0.281	0.18	17731.633	0.173
REI CAMP 3	6/27/2023	13:30:00 - 13:45:00	0.175	0.346	0.276	0.168	18631.95	0.179
REI CAMP 3	6/27/2023	13:45:00 - 14:00:00	0.161	0.346	0.272	0.156	19531.9	0.184
REI CAMP 3	6/27/2023	14:00:00 - 14:15:00	0.155	0.346	0.266	0.138	20431.683	0.189
REI CAMP 3	6/27/2023	14:15:00 - 14:30:00	0.114	0.346	0.261	0.105	21331.55	0.193
REI CAMP 3	6/27/2023	14:30:00 - 14:45:00	0.131	0.349	0.255	0.103	22231.5	0.197
REI CAMP 3	6/27/2023	14:45:00 - 15:00:00	0.162	0.548	0.251	0.103	23131.5	0.202
REI CAMP 3	6/27/2023	15:00:00 - 15:15:00	0.127	0.736	0.247	0.101	24031.5	0.206
REI CAMP 3	6/27/2023	15:15:00 - 15:30:00	0.123	0.736	0.243	0.094	24931.433	0.21
REI CAMP 3	6/27/2023	15:30:00 - 15:45:00	0.086	0.736	0.238	0.082	25831.5	0.213
REI CAMP 3	6/27/2023	15:45:00 - 16:00:00	0.086	0.736	0.233	0.08	26730.9	0.216
REI CAMP 3	6/27/2023	16:00:00 - 16:15:00	0.123	1.051	0.228	0.076	27624.712	0.219
REI CAMP 3	6/27/2023	16:15:00 - 16:30:00	0.081	1.45	0.225	0.074	28530.75	0.223
REI CAMP 3	6/27/2023	16:30:00 - 16:45:00	0.076	1.45	0.22	0.069	29431.5	0.223
REI CAMP 3	6/27/2023	16:45:00 - 17:00:00	0.075	1.45	0.216	0.069	30331.5	0.223
REI CAMP 3	6/27/2023	17:00:00 - 17:15:00	0.084	1.45	0.212	0.069	31231.5	0.223
REI CAMP 3	6/27/2023	17:15:00 - 17:30:00	0.074	1.45	0.208	0.069	32131.383	0.223
REI CAMP 3	6/27/2023	17:30:00 - 17:45:00	0.069	1.45	0.205	0.066	33031.017	0.223
REI CAMP 3	6/27/2023	17:45:00 - 18:00:00	0.071	1.45	0.201	0.06	33930.917	0.223
REI CAMP 3	6/27/2023	18:00:00 - 18:15:00	0.071	1.45	0.199	0.06	34530.6	0.223
REI CAMP 3	6/28/2023	08:15:00 - 08:30:00	0.326	0.335	0.315	0.217	233.079	0
REI CAMP 3	6/28/2023	08:30:00 - 08:45:00	0.383	0.394	0.37	0.242	965.5	0.009
REI CAMP 3	6/28/2023	08:45:00 - 09:00:00	0.431	0.446	0.385	0.242	1865.5	0.025
REI CAMP 3	6/28/2023	09:00:00 - 09:15:00	0.486	0.497	0.411	0.242	2765.5	0.04
REI CAMP 3	6/28/2023	09:15:00 - 09:30:00	0.49	0.507	0.43	0.242	3665.4	0.055
REI CAMP 3	6/28/2023	09:30:00 - 09:45:00	0.491	0.538	0.442	0.242	4571.169	0.07
REI CAMP 3	6/28/2023	09:45:00 - 10:00:00	0.491	0.553	0.45	0.242	5465.467	0.085
REI CAMP 3	6/28/2023	10:00:00 - 10:15:00	0.493	0.561	0.456	0.242	6365.267	0.101
REI CAMP 3	6/28/2023	10:15:00 - 10:30:00	0.496	0.561	0.461	0.242	7264.833	0.116
REI CAMP 3	6/28/2023	10:30:00 - 10:45:00	0.502	0.561	0.465	0.242	8164.5	0.132
REI CAMP 3	6/28/2023	10:45:00 - 11:00:00	0.504	0.561	0.469	0.242	9064.5	0.148
REI CAMP 3	6/28/2023	11:00:00 - 11:15:00	0.504	0.561	0.472	0.242	9964.5	0.163
REI CAMP 3	6/28/2023	11:15:00 - 11:30:00	0.505	0.561	0.475	0.242	10865.4	0.179
REI CAMP 3	6/28/2023	11:30:00 - 11:45:00	0.5	0.561	0.477	0.242	11765.5	0.195
REI CAMP 3	6/28/2023	11:45:00 - 12:00:00	0.491	0.561	0.478	0.242	12665.483	0.21
REI CAMP 3	6/28/2023	12:00:00 - 12:15:00	0.483	0.561	0.479	0.242	13565.367	0.226
REI CAMP 3	6/28/2023	12:15:00 - 12:30:00	0.474	0.561	0.479	0.242	14464.85	0.24
REI CAMP 3	6/28/2023	12:30:00 - 12:45:00	0.469	0.561	0.478	0.242	15364.633	0.255
REI CAMP 3	6/28/2023	12:45:00 - 13:00:00	0.446	0.561	0.477	0.242	16264.5	0.269
REI CAMP 3	6/28/2023	13:00:00 - 13:15:00	0.42	0.561	0.475	0.242	17164.5	0.283
REI CAMP 3	6/28/2023	13:15:00 - 13:30:00	0.407	0.561	0.472	0.242	18065.067	0.296
REI CAMP 3	6/28/2023	13:30:00 - 13:45:00	0.402	0.561	0.469	0.242	18965.5	0.309
REI CAMP 3	6/28/2023	13:45:00 - 14:00:00	0.409	0.561	0.466	0.242	19865.5	0.321
REI CAMP 3	6/28/2023	14:00:00 - 14:15:00	0.4	0.561	0.463	0.242	20765.5	0.334
REI CAMP 3	6/28/2023	14:15:00 - 14:30:00	0.405	0.561	0.461	0.242	21665.1	0.346
REI CAMP 3	6/28/2023	14:30:00 - 14:45:00	0.398	0.561	0.458	0.242	22564.7	0.359
REI CAMP 3	6/28/2023	14:45:00 - 15:00:00	0.385	0.561	0.456	0.242	23464.55	0.371
REI CAMP 3	6/28/2023	15:00:00 - 15:15:00	0.37	0.561	0.453	0.242	24364.5	0.383
REI CAMP 3	6/28/2023	15:15:00 - 15:30:00	0.359	0.561	0.45	0.242	25264.5	0.394
REI CAMP 3	6/28/2023	15:30:00 - 15:45:00	0.348	0.561	0.446	0.242	26164.5	0.405
REI CAMP 3	6/28/2023	15:45:00 - 16:00:00	0.322	0.561	0.443	0.242	27064.5	0.416
REI CAMP 3	6/28/2023	16:00:00 - 16:15:00	0.263	0.561	0.438	0.239	27964.5	0.425
REI CAMP 3	6/28/2023	16:15:00 - 16:30:00	0.296	0.561	0.433	0.236	28864.617	0.432
REI CAMP 3	6/28/2023	16:30:00 - 16:45:00	0.285	0.561	0.43	0.236	29517.111	0.433
REI CAMP 3	6/29/2023	08:15:00 - 08:30:00	0.37	0.375	0.349	0.231	58.923	0
REI CAMP 3	6/29/2023	08:30:00 - 08:45:00	0.488	0.505	0.487	0.3	601.5	0.003
REI CAMP 3	6/29/2023	08:45:00 - 09:00:00	0.406	0.505	0.477	0.29	1501.5	0.025
REI CAMP 3	6/29/2023	09:00:00 - 09:15:00	0.282	0.505	0.42	0.244	2401.5	0.035
REI CAMP 3	6/29/2023	09:15:00 - 09:30:00	0.269	0.505	0.38	0.241	3301.667	0.043
REI CAMP 3	6/29/2023	09:30:00 - 09:45:00	0.231	0.505	0.353	0.213	4202.5	0.052
REI CAMP 3	6/29/2023	09:45:00 - 10:00:00	0.215	0.505	0.329	0.195	5102.5	0.058
REI CAMP 3	6/29/2023	10:00:00 - 10:15:00	0.223	0.505	0.313	0.195	6002.5	0.065
REI CAMP 3	6/29/2023	10:15:00 - 10:30:00	0.194	0.505	0.3	0.18	6902.417	0.072
REI CAMP 3	6/29/2023	10:30:00 - 10:45:00	0.157	0.505	0.285	0.14	7801.767	0.077
REI CAMP 3	6/29/2023	10:45:00 - 11:00:00	0.129	0.505	0.27	0.113	8701.9	0.082
REI CAMP 3	6/29/2023	11:00:00 - 11:15:00	0.125	0.505	0.257	0.109	9602.133	0.086

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 3	6/29/2023	11:15:00 - 11:30:00	0.116	0.505	0.245	0.104	10501.933	0.089
REI CAMP 3	6/29/2023	11:30:00 - 11:45:00	0.097	0.505	0.234	0.091	11401.517	0.093
REI CAMP 3	6/29/2023	11:45:00 - 12:00:00	0.089	0.505	0.224	0.082	12301.5	0.095
REI CAMP 3	6/29/2023	12:00:00 - 12:15:00	0.089	0.505	0.215	0.074	13201.5	0.098
REI CAMP 3	6/29/2023	12:15:00 - 12:30:00	0.072	0.505	0.206	0.065	14101.667	0.101
REI CAMP 3	6/29/2023	12:30:00 - 12:45:00	0.069	0.505	0.198	0.059	15002.483	0.103
REI CAMP 3	6/29/2023	12:45:00 - 13:00:00	0.064	0.505	0.19	0.05	15902.4	0.105
REI CAMP 3	6/29/2023	13:00:00 - 13:15:00	0.046	0.505	0.183	0.038	16802.233	0.107
REI CAMP 3	6/29/2023	13:15:00 - 13:30:00	0.041	0.505	0.176	0.035	17702	0.108
REI CAMP 3	6/29/2023	13:30:00 - 13:45:00	0.035	0.505	0.169	0.031	18601.5	0.109
REI CAMP 3	6/29/2023	13:45:00 - 14:00:00	0.032	0.505	0.163	0.026	19501.5	0.11
REI CAMP 3	6/29/2023	14:00:00 - 14:15:00	0.023	0.505	0.157	0.02	20401.5	0.111
REI CAMP 3	6/29/2023	14:15:00 - 14:30:00	0.026	0.505	0.151	0.017	21301.5	0.112
REI CAMP 3	6/29/2023	14:30:00 - 14:45:00	0.022	0.505	0.146	0.016	22201.5	0.113
REI CAMP 3	6/29/2023	14:45:00 - 15:00:00	0.019	0.505	0.141	0.015	23101.333	0.113
REI CAMP 3	6/29/2023	15:00:00 - 15:15:00	0.019	0.505	0.137	0.014	24001.183	0.114
REI CAMP 3	6/29/2023	15:15:00 - 15:30:00	0.018	0.505	0.132	0.013	24901.983	0.114
REI CAMP 3	6/29/2023	15:30:00 - 15:45:00	0.02	0.505	0.128	0.013	25801.5	0.115
REI CAMP 3	6/29/2023	15:45:00 - 16:00:00	0.016	0.505	0.125	0.013	26701.5	0.116
REI CAMP 3	6/29/2023	16:00:00 - 16:15:00	0.016	0.505	0.121	0.013	27601.5	0.116
REI CAMP 3	6/29/2023	16:15:00 - 16:30:00	0.016	0.505	0.118	0.012	28501.5	0.117
REI CAMP 3	6/29/2023	16:30:00 - 16:45:00	0.016	0.505	0.115	0.012	29401.5	0.117
REI CAMP 3	6/29/2023	16:45:00 - 17:00:00	0.015	0.505	0.112	0.012	30301.433	0.117
REI CAMP 3	6/29/2023	17:00:00 - 17:15:00	0.018	0.505	0.109	0.012	31260.478	0.117
REI CAMP 3	6/29/2023	17:15:00 - 17:30:00	0.021	0.505	0.107	0.012	32090.1	0.117
REI CAMP 3	6/29/2023	17:30:00 - 17:45:00	0.016	0.505	0.105	0.012	32629.917	0.117
REI CAMP 3	6/30/2023	09:00:00 - 09:15:00	0.04	0.058	0.037	0.022	247.846	0
REI CAMP 3	6/30/2023	09:15:00 - 09:30:00	0.037	0.072	0.04	0.024	989.35	0.001
REI CAMP 3	6/30/2023	09:30:00 - 09:45:00	0.035	0.072	0.038	0.024	1889.5	0.003
REI CAMP 3	6/30/2023	09:45:00 - 10:00:00	0.04	0.082	0.038	0.024	2789.5	0.004
REI CAMP 3	6/30/2023	10:00:00 - 10:15:00	0.041	0.095	0.038	0.024	3688.983	0.005
REI CAMP 3	6/30/2023	10:15:00 - 10:30:00	0.039	0.12	0.039	0.024	4588.55	0.006
REI CAMP 3	6/30/2023	10:30:00 - 10:45:00	0.032	0.121	0.038	0.024	5488.533	0.007
REI CAMP 3	6/30/2023	10:45:00 - 11:00:00	0.049	0.161	0.038	0.024	6388.5	0.009
REI CAMP 3	6/30/2023	11:00:00 - 11:15:00	0.052	0.196	0.04	0.024	7288.5	0.01
REI CAMP 3	6/30/2023	11:15:00 - 11:30:00	0.031	0.223	0.04	0.024	8188.5	0.011
REI CAMP 3	6/30/2023	11:30:00 - 11:45:00	0.034	0.223	0.04	0.024	9088.5	0.013
REI CAMP 3	6/30/2023	11:45:00 - 12:00:00	0.034	0.223	0.039	0.024	9988.5	0.013
REI CAMP 3	6/30/2023	12:00:00 - 12:15:00	0.032	0.223	0.038	0.023	10888.733	0.014
REI CAMP 3	6/30/2023	12:15:00 - 12:30:00	0.031	0.223	0.038	0.023	11788.833	0.015
REI CAMP 3	6/30/2023	12:30:00 - 12:45:00	0.033	0.223	0.037	0.023	12688.567	0.016
REI CAMP 3	6/30/2023	12:45:00 - 13:00:00	0.034	0.223	0.037	0.023	13588.5	0.018
REI CAMP 3	6/30/2023	13:00:00 - 13:15:00	0.032	0.223	0.037	0.023	14488.5	0.019
REI CAMP 3	6/30/2023	13:15:00 - 13:30:00	0.028	0.223	0.036	0.023	15388.5	0.019
REI CAMP 3	6/30/2023	13:30:00 - 13:45:00	0.027	0.223	0.036	0.023	16288.5	0.02
REI CAMP 3	6/30/2023	13:45:00 - 14:00:00	0.039	0.223	0.036	0.023	17188.5	0.021
REI CAMP 3	6/30/2023	14:00:00 - 14:15:00	0.03	0.223	0.036	0.023	18088.2	0.022
REI CAMP 3	6/30/2023	14:15:00 - 14:30:00	0.033	0.223	0.036	0.023	18987.817	0.023
REI CAMP 3	6/30/2023	14:30:00 - 14:45:00	0.035	0.223	0.036	0.023	19887.733	0.025
REI CAMP 3	6/30/2023	14:45:00 - 15:00:00	0.029	0.223	0.035	0.023	20787.583	0.025
REI CAMP 3	6/30/2023	15:00:00 - 15:15:00	0.031	0.223	0.035	0.023	21688.1	0.026
REI CAMP 3	6/30/2023	15:15:00 - 15:30:00	0.026	0.223	0.035	0.023	22588.5	0.027
REI CAMP 3	6/30/2023	15:30:00 - 15:45:00	0.026	0.223	0.034	0.022	23488.5	0.028
REI CAMP 3	6/30/2023	15:45:00 - 16:00:00	0.031	0.223	0.034	0.022	24388.5	0.029
REI CAMP 3	6/30/2023	16:00:00 - 16:15:00	0.026	0.223	0.034	0.022	25288.217	0.03
REI CAMP 3	7/3/2023	08:00:00 - 08:15:00	0.043	0.053	0.043	0.027	330.122	0
REI CAMP 3	7/3/2023	08:15:00 - 08:30:00	0.045	0.06	0.046	0.029	1146.55	0.002
REI CAMP 3	7/3/2023	08:30:00 - 08:45:00	0.043	0.069	0.045	0.029	2046.517	0.003
REI CAMP 3	7/3/2023	08:45:00 - 09:00:00	0.042	0.08	0.044	0.029	2946.5	0.005
REI CAMP 3	7/3/2023	09:00:00 - 09:15:00	0.045	0.08	0.044	0.029	3846.5	0.006
REI CAMP 3	7/3/2023	09:15:00 - 09:30:00	0.045	0.08	0.045	0.029	4746.5	0.007
REI CAMP 3	7/3/2023	09:30:00 - 09:45:00	0.041	0.08	0.044	0.029	5646.5	0.009
REI CAMP 3	7/3/2023	09:45:00 - 10:00:00	0.052	0.746	0.044	0.029	6546.5	0.01
REI CAMP 3	7/3/2023	10:00:00 - 10:15:00	0.028	2.3	0.044	0.024	7446.55	0.011
REI CAMP 3	7/3/2023	10:15:00 - 10:30:00	0.03	2.3	0.042	0.023	8346.533	0.012
REI CAMP 3	7/3/2023	10:30:00 - 10:45:00	0.031	2.3	0.041	0.023	9246.533	0.013
REI CAMP 3	7/3/2023	10:45:00 - 11:00:00	0.029	2.3	0.04	0.023	10146.55	0.014
REI CAMP 3	7/3/2023	11:00:00 - 11:15:00	0.033	2.3	0.039	0.023	11046.5	0.015
REI CAMP 3	7/3/2023	11:15:00 - 11:30:00	0.028	2.3	0.039	0.023	11946.5	0.016
REI CAMP 3	7/3/2023	11:30:00 - 11:45:00	0.028	2.3	0.038	0.023	12846.5	0.017
REI CAMP 3	7/3/2023	11:45:00 - 12:00:00	0.026	2.3	0.037	0.023	13746.5	0.018
REI CAMP 3	7/3/2023	12:00:00 - 12:15:00	0.025	2.3	0.036	0.022	14646.45	0.019
REI CAMP 3	7/3/2023	12:15:00 - 12:30:00	0.024	2.3	0.036	0.022	15546.15	0.019
REI CAMP 3	7/3/2023	12:30:00 - 12:45:00	0.025	2.3	0.035	0.021	16446.033	0.02
REI CAMP 3	7/3/2023	12:45:00 - 13:00:00	0.033	2.3	0.035	0.021	17345.917	0.021
REI CAMP 3	7/3/2023	13:00:00 - 13:15:00	0.025	2.3	0.035	0.021	18246.317	0.022
REI CAMP 3	7/3/2023	13:15:00 - 13:30:00	0.034	2.3	0.034	0.021	19146.5	0.023
REI CAMP 3	7/3/2023	13:30:00 - 13:45:00	0.027	2.3	0.034	0.021	20046.5	0.024
REI CAMP 3	7/3/2023	13:45:00 - 14:00:00	0.029	2.3	0.034	0.021	20946.5	0.025
REI CAMP 3	7/3/2023	14:00:00 - 14:15:00	0.029	2.3	0.034	0.021	21846.45	0.026
REI CAMP 3	7/3/2023	14:15:00 - 14:30:00	0.031	2.3	0.033	0.021	22746.283	0.026
REI CAMP 3	7/3/2023	14:30:00 - 14:45:00	0.032	2.3	0.033	0.021	23646.067	0.027
REI CAMP 3	7/3/2023	14:45:00 - 15:00:00	0.03	2.3	0.033	0.021	24545.95	0.028
REI CAMP 3	7/3/2023	15:00:00 - 15:15:00	0.029	2.3	0.033	0.021	25445.533	0.029
REI CAMP 3	7/3/2023	15:15:00 - 15:30:00	0.028	2.3	0.033	0.021	26345.517	0.03
REI CAMP 3	7/3/2023	15:30:00 - 15:45:00	0.029	2.3	0.033	0.021	27246.5	0.031
REI CAMP 3	7/3/2023	15:45:00 - 16:00:00	0.029	2.3	0.033	0.021	28146.517	0.032
REI CAMP 3	7/3/2023	16:00:00 - 16:15:00	0.027	2.3	0.033	0.021	29046.35	0.033
REI CAMP 3	7/3/2023	16:15:00 - 16:30:00	0.028	2.3	0.032	0.021	29946.233	0.033
REI CAMP 3	7/3/2023	16:30:00 - 16:45:00	0.027	2.3	0.032	0.021	30846.033	0.033
REI CAMP 3	7/3/2023	16:45:00 - 17:00:00	0.028	2.3	0.032	0.021	31745.85	0.033
REI CAMP 3	7/3/2023	17:00:00 - 17:15:00	0.028	2.3	0.032	0.021	32248.286	0.033
REI CAMP 3	7/5/2023	08:00:00 - 08:15:00	0.032	0.036	0.03	0.018	129.13	0
REI CAMP 3	7/5/2023	08:15:00 - 08:30:00	0.047	0.095	0.044	0.021	748.5	0.001

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 3	7/5/2023	08:30:00 - 08:45:00	0.033	0.102	0.041	0.021	1648.5	0.002
REI CAMP 3	7/5/2023	08:45:00 - 09:00:00	0.03	0.102	0.038	0.021	2548.5	0.003
REI CAMP 3	7/5/2023	09:00:00 - 09:15:00	0.025	0.102	0.035	0.021	3448.5	0.004
REI CAMP 3	7/5/2023	09:15:00 - 09:30:00	0.026	0.102	0.033	0.021	4348.5	0.005
REI CAMP 3	7/5/2023	09:30:00 - 09:45:00	0.022	0.102	0.032	0.017	5248.483	0.006
REI CAMP 3	7/5/2023	09:45:00 - 10:00:00	0.019	0.106	0.03	0.013	6148.4	0.006
REI CAMP 3	7/5/2023	10:00:00 - 10:15:00	0.013	0.112	0.028	0.011	7048.35	0.007
REI CAMP 3	7/5/2023	10:15:00 - 10:30:00	0.013	0.112	0.027	0.01	7948.5	0.007
REI CAMP 3	7/5/2023	10:30:00 - 10:45:00	0.013	0.112	0.025	0.01	8848.5	0.008
REI CAMP 3	7/5/2023	10:45:00 - 11:00:00	0.013	0.112	0.024	0.01	9748.5	0.008
REI CAMP 3	7/5/2023	11:00:00 - 11:15:00	0.014	0.112	0.023	0.01	10644.305	0.009
REI CAMP 3	7/5/2023	11:15:00 - 11:30:00	0.014	0.112	0.022	0.01	11548.383	0.009
REI CAMP 3	7/5/2023	11:30:00 - 11:45:00	0.014	0.112	0.022	0.01	12448.117	0.009
REI CAMP 3	7/5/2023	11:45:00 - 12:00:00	0.014	0.112	0.021	0.01	13348.017	0.01
REI CAMP 3	7/5/2023	12:00:00 - 12:15:00	0.014	0.112	0.021	0.01	14247.817	0.01
REI CAMP 3	7/5/2023	12:15:00 - 12:30:00	0.012	0.112	0.02	0.01	15147.5	0.011
REI CAMP 3	7/5/2023	12:30:00 - 12:45:00	0.011	0.112	0.02	0.009	16047.5	0.011
REI CAMP 3	7/5/2023	12:45:00 - 13:00:00	0.012	0.112	0.019	0.009	16947.5	0.011
REI CAMP 3	7/5/2023	13:00:00 - 13:15:00	0.015	0.114	0.019	0.009	17847.783	0.012
REI CAMP 3	7/5/2023	13:15:00 - 13:30:00	0.01	0.114	0.019	0.009	18748.283	0.012
REI CAMP 3	7/5/2023	13:30:00 - 13:45:00	0.015	0.114	0.018	0.008	19648.183	0.013
REI CAMP 3	7/5/2023	13:45:00 - 14:00:00	0.017	0.123	0.019	0.008	20547.95	0.013
REI CAMP 3	7/5/2023	14:00:00 - 14:15:00	0.011	0.124	0.018	0.008	21447.7	0.014
REI CAMP 3	7/5/2023	14:15:00 - 14:30:00	0.022	0.145	0.018	0.008	22347.5	0.014
REI CAMP 3	7/5/2023	14:30:00 - 14:45:00	0.025	0.183	0.018	0.008	23247.5	0.015
REI CAMP 3	7/5/2023	14:45:00 - 15:00:00	0.021	0.268	0.019	0.008	24147.5	0.016
REI CAMP 3	7/5/2023	15:00:00 - 15:15:00	0.012	0.268	0.019	0.008	25047.75	0.016
REI CAMP 3	7/5/2023	15:15:00 - 15:30:00	0.012	0.268	0.018	0.008	25948.05	0.016
REI CAMP 3	7/5/2023	15:30:00 - 15:45:00	0.013	0.268	0.018	0.008	26848	0.017
REI CAMP 3	7/5/2023	15:45:00 - 16:00:00	0.016	0.268	0.018	0.008	27747.767	0.017
REI CAMP 3	7/5/2023	16:00:00 - 16:15:00	0.028	0.268	0.018	0.008	28647.667	0.018
REI CAMP 3	7/5/2023	16:15:00 - 16:30:00	0.029	0.268	0.018	0.008	29547.5	0.018
REI CAMP 3	7/5/2023	16:30:00 - 16:45:00	0.035	0.338	0.019	0.008	30447.5	0.018
REI CAMP 3	7/5/2023	16:45:00 - 17:00:00	0.006	0.131	0.007	0.003	10921.481	0.006
REI CAMP 3	7/5/2023	17:00:00 - 17:15:00	0	0	0	0	0	0
REI CAMP 3	7/5/2023	17:15:00 - 17:30:00	0	0	0	0	0	0
REI CAMP 3	7/5/2023	17:30:00 - 17:45:00	0	0	0	0	0	0
REI CAMP 3	7/5/2023	17:45:00 - 18:00:00	0	0	0	0	0	0
REI CAMP 3	7/5/2023	18:00:00 - 18:15:00	0	0	0	0	0	0
REI CAMP 3	7/5/2023	18:15:00 - 18:30:00	0	0	0	0	0	0
REI CAMP 3	7/5/2023	18:30:00 - 18:45:00	0	0	0	0	0	0
REI CAMP 3	7/5/2023	18:45:00 - 19:00:00	0.017	0.019	0.016	0.009	25	0
REI CAMP 3	7/6/2023	08:15:00 - 08:30:00	0.01	0.024	0.012	0.008	90	0
REI CAMP 3	7/6/2023	08:30:00 - 08:45:00	0.007	0.029	0.009	0.004	670.5	0
REI CAMP 3	7/6/2023	08:45:00 - 09:00:00	0.005	0.029	0.007	0.003	1570.5	0
REI CAMP 3	7/6/2023	09:00:00 - 09:15:00	0.004	0.029	0.006	0.002	2470.5	0.001
REI CAMP 3	7/6/2023	09:15:00 - 09:30:00	0.003	0.029	0.005	0	3370.367	0.001
REI CAMP 3	7/6/2023	09:30:00 - 09:45:00	0.003	0.029	0.005	0	4269.717	0.001
REI CAMP 3	7/6/2023	09:45:00 - 10:00:00	0.003	0.029	0.004	0	5169.567	0.001
REI CAMP 3	7/6/2023	10:00:00 - 10:15:00	0.003	0.029	0.004	0	6069.517	0.001
REI CAMP 3	7/6/2023	10:15:00 - 10:30:00	0.007	0.053	0.004	0	6969.5	0.001
REI CAMP 3	7/6/2023	10:30:00 - 10:45:00	0.006	0.081	0.005	0	7869.5	0.001
REI CAMP 3	7/6/2023	10:45:00 - 11:00:00	0.002	0.081	0.005	0	8769.5	0.001
REI CAMP 3	7/6/2023	11:00:00 - 11:15:00	0.003	0.081	0.004	0	9669.5	0.001
REI CAMP 3	7/6/2023	11:15:00 - 11:30:00	0.001	0.081	0.004	0	10569.533	0.001
REI CAMP 3	7/6/2023	11:30:00 - 11:45:00	0.002	0.081	0.004	0	11469.5	0.002
REI CAMP 3	7/6/2023	11:45:00 - 12:00:00	0.002	0.081	0.004	0	12369.5	0.002
REI CAMP 3	7/6/2023	12:00:00 - 12:15:00	0.003	0.081	0.004	0	13269.65	0.002
REI CAMP 3	7/6/2023	12:15:00 - 12:30:00	0.006	0.081	0.004	0	14169.517	0.002
REI CAMP 3	7/6/2023	12:30:00 - 12:45:00	0.001	0.081	0.004	0	15069.5	0.002
REI CAMP 3	7/6/2023	12:45:00 - 13:00:00	0	0.081	0.004	0	15969.5	0.002
REI CAMP 3	7/6/2023	13:00:00 - 13:15:00	0.006	0.081	0.003	0	16869.5	0.002
REI CAMP 3	7/6/2023	13:15:00 - 13:30:00	0.007	0.083	0.004	0	17769.35	0.002
REI CAMP 3	7/6/2023	13:30:00 - 13:45:00	0.002	0.083	0.004	0	18668.85	0.002
REI CAMP 3	7/6/2023	13:45:00 - 14:00:00	0.005	0.083	0.004	0	19568.733	0.003
REI CAMP 3	7/6/2023	14:00:00 - 14:15:00	0.001	0.083	0.004	0	20468.517	0.003
REI CAMP 3	7/6/2023	14:15:00 - 14:30:00	0.001	0.083	0.003	0	21368.75	0.003
REI CAMP 3	7/6/2023	14:30:00 - 14:45:00	0.002	0.083	0.003	0	22269.5	0.003
REI CAMP 3	7/6/2023	14:45:00 - 15:00:00	0.01	0.093	0.004	0	23164.288	0.003
REI CAMP 3	7/6/2023	15:00:00 - 15:15:00	0.003	0.099	0.004	0	24069.5	0.003
REI CAMP 3	7/6/2023	15:15:00 - 15:30:00	0.004	0.106	0.004	0	24969.283	0.003
REI CAMP 3	7/6/2023	15:30:00 - 15:45:00	0.003	0.125	0.004	0	25868.65	0.003
REI CAMP 3	7/6/2023	15:45:00 - 16:00:00	0.009	0.125	0.004	0	26768.533	0.004
REI CAMP 3	7/6/2023	16:00:00 - 16:15:00	0.002	0.125	0.004	0	27668.5	0.004
REI CAMP 3	7/6/2023	16:15:00 - 16:30:00	0.001	0.125	0.004	0	28568.733	0.004
REI CAMP 3	7/6/2023	16:30:00 - 16:45:00	0.005	0.125	0.004	0	29469.5	0.004
REI CAMP 3	7/6/2023	16:45:00 - 17:00:00	0.015	0.141	0.004	0	30369.5	0.004
REI CAMP 3	7/6/2023	17:00:00 - 17:15:00	0.008	0.143	0.004	0	31269.5	0.004
REI CAMP 3	7/6/2023	17:15:00 - 17:30:00	0.006	0.143	0.004	-0.001	32169.3	0.004
REI CAMP 3	7/6/2023	17:30:00 - 17:45:00	0.001	0.143	0.004	-0.001	33068.517	0.004
REI CAMP 3	7/6/2023	17:45:00 - 18:00:00	0.003	0.143	0.004	-0.002	33968.5	0.004
REI CAMP 3	7/6/2023	18:00:00 - 18:15:00	0.021	0.143	0.004	-0.002	34673.412	0.004
REI CAMP 3	7/7/2023	08:00:00 - 08:15:00	0.003	0.006	0.003	0.003	2.2	0
REI CAMP 3	7/7/2023	08:15:00 - 08:30:00	0.02	0.032	0.019	0.013	468.5	0
REI CAMP 3	7/7/2023	08:30:00 - 08:45:00	0.016	0.037	0.019	0.013	1368.5	0.001
REI CAMP 3	7/7/2023	08:45:00 - 09:00:00	0.014	0.037	0.017	0.011	2268.5	0.001
REI CAMP 3	7/7/2023	09:00:00 - 09:15:00	0.01	0.037	0.016	0.008	3168.5	0.002
REI CAMP 3	7/7/2023	09:15:00 - 09:30:00	0.007	0.037	0.014	0.005	4068.5	0.002
REI CAMP 3	7/7/2023	09:30:00 - 09:45:00	0.007	0.037	0.013	0.004	4968.45	0.002
REI CAMP 3	7/7/2023	09:45:00 - 10:00:00	0.005	0.037	0.012	0.004	5868.333	0.002
REI CAMP 3	7/7/2023	10:00:00 - 10:15:00	0.002	0.037	0.011	0.001	6768.15	0.003
REI CAMP 3	7/7/2023	10:15:00 - 10:30:00	0.002	0.037	0.01	0.001	7668.5	0.003
REI CAMP 3	7/7/2023	10:30:00 - 10:45:00	0.002	0.037	0.009	0	8568.5	0.003
REI CAMP 3	7/7/2023	10:45:00 - 11:00:00	0.003	0.037	0.008	0	9468.517	0.003

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 3	7/7/2023	11:00:00 - 11:15:00	0.001	0.037	0.008	0	10368.5	0.003
REI CAMP 3	7/7/2023	11:15:00 - 11:30:00	0.001	0.037	0.007	0	11268.483	0.003
REI CAMP 3	7/7/2023	11:30:00 - 11:45:00	0.001	0.037	0.007	0	12168.383	0.003
REI CAMP 3	7/7/2023	11:45:00 - 12:00:00	0.003	0.037	0.006	0	13068.233	0.003
REI CAMP 3	7/7/2023	12:00:00 - 12:15:00	0.005	0.039	0.006	0	13967.933	0.003
REI CAMP 3	7/7/2023	12:15:00 - 12:30:00	0	0.042	0.006	0	14867.5	0.003
REI CAMP 3	7/7/2023	12:30:00 - 12:45:00	0.001	0.042	0.006	0	15767.5	0.003
REI CAMP 3	7/7/2023	12:45:00 - 13:00:00	0	0.042	0.005	0	16667.5	0.003
REI CAMP 3	7/7/2023	13:00:00 - 13:15:00	0	0.042	0.005	0	17567.517	0.003
REI CAMP 3	7/7/2023	13:15:00 - 13:30:00	0	0.042	0.005	0	18468.5	0.003
REI CAMP 3	7/7/2023	13:30:00 - 13:45:00	0	0.042	0.005	0	19368.25	0.003
REI CAMP 3	7/7/2023	13:45:00 - 14:00:00	0	0.042	0.004	0	20268.067	0.003
REI CAMP 3	7/7/2023	14:00:00 - 14:15:00	0	0.042	0.004	0	21130.418	0.003
REI CAMP 3	7/10/2023	08:15:00 - 08:30:00	0.018	0.027	0.018	0.012	280.476	0
REI CAMP 3	7/10/2023	08:30:00 - 08:45:00	0.018	0.034	0.019	0.013	1044.5	0.001
REI CAMP 3	7/10/2023	08:45:00 - 09:00:00	0.017	0.034	0.018	0.013	1944.5	0.001
REI CAMP 3	7/10/2023	09:00:00 - 09:15:00	0.016	0.034	0.018	0.013	2844.5	0.002
REI CAMP 3	7/10/2023	09:15:00 - 09:30:00	0.016	0.034	0.017	0.013	3744.95	0.002
REI CAMP 3	7/10/2023	09:30:00 - 09:45:00	0.015	0.034	0.017	0.013	4645.15	0.003
REI CAMP 3	7/10/2023	09:45:00 - 10:00:00	0.014	0.034	0.017	0.012	5544.933	0.003
REI CAMP 3	7/10/2023	10:00:00 - 10:15:00	0.014	0.034	0.016	0.012	6444.783	0.004
REI CAMP 3	7/10/2023	10:15:00 - 10:30:00	0.014	0.035	0.016	0.011	7344.567	0.004
REI CAMP 3	7/10/2023	10:30:00 - 10:45:00	0.013	0.037	0.016	0.011	8244.5	0.005
REI CAMP 3	7/10/2023	10:45:00 - 11:00:00	0.014	0.037	0.016	0.011	9144.5	0.005
REI CAMP 3	7/10/2023	11:00:00 - 11:15:00	0.013	0.037	0.015	0.011	10044.5	0.005
REI CAMP 3	7/10/2023	11:15:00 - 11:30:00	0.013	0.037	0.015	0.01	10944.15	0.006
REI CAMP 3	7/10/2023	11:30:00 - 11:45:00	0.013	0.037	0.015	0.01	11843.817	0.006
REI CAMP 3	7/10/2023	11:45:00 - 12:00:00	0.012	0.041	0.015	0.01	12743.733	0.007
REI CAMP 3	7/10/2023	12:00:00 - 12:15:00	0.012	0.046	0.015	0.01	13643.533	0.007
REI CAMP 3	7/10/2023	12:15:00 - 12:30:00	0.013	0.046	0.014	0.01	14544.167	0.007
REI CAMP 3	7/10/2023	12:30:00 - 12:45:00	0.012	0.046	0.014	0.01	15444.5	0.008
REI CAMP 3	7/10/2023	12:45:00 - 13:00:00	0.012	0.046	0.014	0.01	16344.5	0.008
REI CAMP 3	7/10/2023	13:00:00 - 13:15:00	0.011	0.046	0.014	0.009	17244.5	0.008
REI CAMP 3	7/10/2023	13:15:00 - 13:30:00	0.01	0.046	0.014	0.008	18143.917	0.009
REI CAMP 3	7/10/2023	13:30:00 - 13:45:00	0.01	0.046	0.014	0.008	19043.5	0.009
REI CAMP 3	7/10/2023	13:45:00 - 14:00:00	0.011	0.046	0.014	0.008	19943.5	0.009
REI CAMP 3	7/10/2023	14:00:00 - 14:15:00	0.01	0.046	0.013	0.008	20843.5	0.01
REI CAMP 3	7/10/2023	14:15:00 - 14:30:00	0.01	0.046	0.013	0.008	21743.5	0.01
REI CAMP 3	7/10/2023	14:30:00 - 14:45:00	0.01	0.046	0.013	0.007	22643.5	0.01
REI CAMP 3	7/10/2023	14:45:00 - 15:00:00	0.01	0.046	0.013	0.007	23543.5	0.011
REI CAMP 3	7/10/2023	15:00:00 - 15:15:00	0.011	0.046	0.013	0.007	24443.517	0.011
REI CAMP 3	7/10/2023	15:15:00 - 15:30:00	0.012	0.046	0.013	0.007	25343.6	0.011
REI CAMP 3	7/10/2023	15:30:00 - 15:45:00	0.013	0.046	0.013	0.007	26243.517	0.012
REI CAMP 3	7/10/2023	15:45:00 - 16:00:00	0.012	0.046	0.013	0.007	27143.5	0.012
REI CAMP 3	7/10/2023	16:00:00 - 16:15:00	0.013	0.061	0.013	0.007	28043.5	0.013
REI CAMP 3	7/10/2023	16:15:00 - 16:30:00	0.013	0.119	0.013	0.007	28943.5	0.013
REI CAMP 3	7/10/2023	16:30:00 - 16:45:00	0.015	0.119	0.013	0.007	29843.5	0.013
REI CAMP 3	7/10/2023	16:45:00 - 17:00:00	0.015	0.119	0.013	0.007	30586	0.013
REI CAMP 3	7/11/2023	08:30:00 - 08:45:00	0.008	0.018	0.007	0.005	303.529	0
REI CAMP 3	7/11/2023	08:45:00 - 09:00:00	0.007	0.027	0.008	0.004	1131.5	0
REI CAMP 3	7/11/2023	09:00:00 - 09:15:00	0.005	0.027	0.007	0.003	2031.5	0.001
REI CAMP 3	7/11/2023	09:15:00 - 09:30:00	0.004	0.027	0.006	0.001	2931.5	0.001
REI CAMP 3	7/11/2023	09:30:00 - 09:45:00	0.003	0.027	0.006	0	3831.683	0.001
REI CAMP 3	7/11/2023	09:45:00 - 10:00:00	0.003	0.027	0.005	0	4731.55	0.001
REI CAMP 3	7/11/2023	10:00:00 - 10:15:00	0.002	0.027	0.005	0	5631.5	0.001
REI CAMP 3	7/11/2023	10:15:00 - 10:30:00	0.001	0.027	0.004	0	6531.5	0.001
REI CAMP 3	7/11/2023	10:30:00 - 10:45:00	0.001	0.027	0.004	0	7431.5	0.001
REI CAMP 3	7/11/2023	10:45:00 - 11:00:00	0	0.027	0.004	0	8331.5	0.001
REI CAMP 3	7/11/2023	11:00:00 - 11:15:00	0.001	0.027	0.003	0	9231.5	0.001
REI CAMP 3	7/11/2023	11:15:00 - 11:30:00	0.001	0.027	0.003	0	10131.5	0.001
REI CAMP 3	7/11/2023	11:30:00 - 11:45:00	0	0.06	0.003	0	11031.95	0.001
REI CAMP 3	7/11/2023	11:45:00 - 12:00:00	0	0.167	0.003	0	11932.017	0.001
REI CAMP 3	7/11/2023	12:00:00 - 12:15:00	0.004	0.167	0.003	0	12831.833	0.001
REI CAMP 3	7/11/2023	12:15:00 - 12:30:00	0.011	0.171	0.003	0	13731.717	0.001
REI CAMP 3	7/11/2023	12:30:00 - 12:45:00	0.002	0.217	0.003	0	14631.533	0.002
REI CAMP 3	7/11/2023	12:45:00 - 13:00:00	0.008	0.217	0.003	0	15531.5	0.002
REI CAMP 3	7/11/2023	13:00:00 - 13:15:00	0.008	0.217	0.003	0	16431.5	0.002
REI CAMP 3	7/11/2023	13:15:00 - 13:30:00	0.006	0.217	0.004	0	17331.5	0.002
REI CAMP 3	7/11/2023	13:30:00 - 13:45:00	0	0.217	0.004	0	18231.1	0.002
REI CAMP 3	7/11/2023	13:45:00 - 14:00:00	0	0.217	0.004	0	19130.783	0.002
REI CAMP 3	7/11/2023	14:00:00 - 14:15:00	0.002	0.217	0.003	-0.001	20030.633	0.002
REI CAMP 3	7/11/2023	14:15:00 - 14:30:00	0.002	0.217	0.003	-0.001	20930.5	0.002
REI CAMP 3	7/11/2023	14:30:00 - 14:45:00	0.009	0.217	0.003	-0.001	21831.267	0.003
REI CAMP 3	7/11/2023	14:45:00 - 15:00:00	0.004	0.217	0.003	-0.001	22731.5	0.003
REI CAMP 3	7/11/2023	15:00:00 - 15:15:00	-0.001	0.217	0.003	-0.001	23631.5	0.003
REI CAMP 3	7/11/2023	15:15:00 - 15:30:00	-0.001	0.217	0.003	-0.001	24531.5	0.003
REI CAMP 3	7/11/2023	15:30:00 - 15:45:00	0.004	0.217	0.003	-0.002	25430.95	0.003
REI CAMP 3	7/11/2023	15:45:00 - 16:00:00	0	0.217	0.003	-0.002	26330.533	0.003
REI CAMP 3	7/11/2023	16:00:00 - 16:15:00	0.008	0.217	0.003	-0.002	27230.5	0.003
REI CAMP 3	7/11/2023	16:15:00 - 16:30:00	0.009	0.217	0.003	-0.002	28130.5	0.003
REI CAMP 3	7/11/2023	16:30:00 - 16:45:00	0.002	0.217	0.004	-0.002	29030.5	0.004
REI CAMP 3	7/11/2023	16:45:00 - 17:00:00	0	0.217	0.003	-0.002	29930.5	0.004
REI CAMP 3	7/11/2023	17:00:00 - 17:15:00	0.005	0.217	0.003	-0.002	30830.5	0.004
REI CAMP 3	7/11/2023	17:15:00 - 17:30:00	0.001	0.217	0.003	-0.003	31730.467	0.004
REI CAMP 3	7/11/2023	17:30:00 - 17:45:00	0.004	0.217	0.003	-0.003	32330.4	0.004
REI CAMP 3	7/12/2023	08:30:00 - 08:45:00	0.008	0.015	0.008	0.006	370.241	0
REI CAMP 3	7/12/2023	08:45:00 - 09:00:00	0.008	0.016	0.008	0.004	1224.3	0
REI CAMP 3	7/12/2023	09:00:00 - 09:15:00	0.008	0.016	0.008	0.004	2124.05	0.001
REI CAMP 3	7/12/2023	09:15:00 - 09:30:00	0.007	0.016	0.008	0.004	3023.917	0.001
REI CAMP 3	7/12/2023	09:30:00 - 09:45:00	0.005	0.016	0.007	0.004	3923.533	0.001
REI CAMP 3	7/12/2023	09:45:00 - 10:00:00	0.005	0.017	0.007	0.002	4823.5	0.001
REI CAMP 3	7/12/2023	10:00:00 - 10:15:00	0.004	0.018	0.006	0.002	5723.5	0.001
REI CAMP 3	7/12/2023	10:15:00 - 10:30:00	0.004	0.025	0.006	0.001	6623.5	0.001
REI CAMP 3	7/12/2023	10:30:00 - 10:45:00	0.004	0.029	0.006	0.001	7524.183	0.002

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 3	7/12/2023	10:45:00 - 11:00:00	0.006	0.029	0.006	0.001	8424.217	0.002
REI CAMP 3	7/12/2023	11:00:00 - 11:15:00	0.007	0.029	0.006	0.001	9324.083	0.002
REI CAMP 3	7/12/2023	11:15:00 - 11:30:00	0.007	0.029	0.006	0.001	10223.867	0.002
REI CAMP 3	7/12/2023	11:30:00 - 11:45:00	0.007	0.029	0.006	0.001	11123.533	0.002
REI CAMP 3	7/12/2023	11:45:00 - 12:00:00	0.007	0.029	0.006	0.001	12023.5	0.003
REI CAMP 3	7/12/2023	12:00:00 - 12:15:00	0.006	0.029	0.006	0.001	12923.5	0.003
REI CAMP 3	7/12/2023	12:15:00 - 12:30:00	0.005	0.029	0.006	0.001	13823.5	0.003
REI CAMP 3	7/12/2023	12:30:00 - 12:45:00	0.005	0.029	0.006	0.001	14711.259	0.003
REI CAMP 3	7/12/2023	12:45:00 - 13:00:00	0.005	0.029	0.006	0.001	15613.6	0.003
REI CAMP 3	7/12/2023	13:00:00 - 13:15:00	0.004	0.029	0.006	0.001	16513.533	0.003
REI CAMP 3	7/12/2023	13:15:00 - 13:30:00	0.004	0.029	0.006	0.001	17413.533	0.003
REI CAMP 3	7/12/2023	13:30:00 - 13:45:00	0.005	0.029	0.006	0.001	18313.5	0.004
REI CAMP 3	7/12/2023	13:45:00 - 14:00:00	0.005	0.029	0.006	0.001	19213.5	0.004
REI CAMP 3	7/12/2023	14:00:00 - 14:15:00	0.006	0.029	0.006	0.001	20113.5	0.004
REI CAMP 3	7/12/2023	14:15:00 - 14:30:00	0.006	0.029	0.006	0.001	21013.5	0.004
REI CAMP 3	7/12/2023	14:30:00 - 14:45:00	0.007	0.029	0.006	0.001	21913.383	0.004
REI CAMP 3	7/12/2023	14:45:00 - 15:00:00	0.007	0.029	0.006	0.001	22813.233	0.005
REI CAMP 3	7/12/2023	15:00:00 - 15:15:00	0.007	0.029	0.006	0.001	23713.133	0.005
REI CAMP 3	7/12/2023	15:15:00 - 15:30:00	0.007	0.029	0.006	0.001	24613	0.005
REI CAMP 3	7/12/2023	15:30:00 - 15:45:00	0.007	0.029	0.006	0.001	25513.417	0.005
REI CAMP 3	7/12/2023	15:45:00 - 16:00:00	0.008	0.029	0.006	0.001	26413.5	0.005
REI CAMP 3	7/12/2023	16:00:00 - 16:15:00	0.008	0.029	0.006	0.001	27313.5	0.006
REI CAMP 3	7/12/2023	16:15:00 - 16:30:00	0.009	0.029	0.006	0.001	28213.517	0.006
REI CAMP 3	7/12/2023	16:30:00 - 16:45:00	0.01	0.029	0.006	0.001	29113.45	0.006
REI CAMP 3	7/12/2023	16:45:00 - 17:00:00	0.009	0.03	0.006	0.001	30013.167	0.006
REI CAMP 3	7/12/2023	17:00:00 - 17:15:00	0.009	0.031	0.006	0.001	30913.133	0.006
REI CAMP 3	7/12/2023	17:15:00 - 17:30:00	0.009	0.031	0.006	0.001	31430	0.006
REI CAMP 3	7/13/2023	08:15:00 - 08:30:00	0.011	-71428.559	0.01	0.007	48.214	0
REI CAMP 3	7/13/2023	08:30:00 - 08:45:00	0.017	0.032	0.018	0.011	592.5	0
REI CAMP 3	7/13/2023	08:45:00 - 09:00:00	0.016	0.033	0.017	0.011	1496.441	0.001
REI CAMP 3	7/13/2023	09:00:00 - 09:15:00	0.015	0.033	0.016	0.011	2392.5	0.001
REI CAMP 3	7/13/2023	09:15:00 - 09:30:00	0.012	0.033	0.015	0.009	3292.583	0.002
REI CAMP 3	7/13/2023	09:30:00 - 09:45:00	0.011	0.033	0.015	0.009	4192.783	0.002
REI CAMP 3	7/13/2023	09:45:00 - 10:00:00	0.01	0.033	0.014	0.006	5092.567	0.002
REI CAMP 3	7/13/2023	10:00:00 - 10:15:00	0.009	0.033	0.013	0.006	5992.533	0.003
REI CAMP 3	7/13/2023	10:15:00 - 10:30:00	0.009	0.033	0.013	0.006	6892.5	0.003
REI CAMP 3	7/13/2023	10:30:00 - 10:45:00	0.009	0.033	0.012	0.006	7792.5	0.003
REI CAMP 3	7/13/2023	10:45:00 - 11:00:00	0.009	0.033	0.012	0.006	8692.5	0.004
REI CAMP 3	7/13/2023	11:00:00 - 11:15:00	0.008	0.033	0.012	0.006	9592.567	0.004
REI CAMP 3	7/13/2023	11:15:00 - 11:30:00	0.008	0.033	0.011	0.006	10494.5	0.004
REI CAMP 3	7/13/2023	11:30:00 - 11:45:00	0.007	0.033	0.011	0.006	11394.5	0.004
REI CAMP 3	7/13/2023	11:45:00 - 12:00:00	0.007	0.033	0.011	0.005	12294.5	0.005
REI CAMP 3	7/13/2023	12:00:00 - 12:15:00	0.006	0.033	0.01	0.005	13194.383	0.005
REI CAMP 3	7/13/2023	12:15:00 - 12:30:00	0.007	0.033	0.01	0.005	14094.233	0.005
REI CAMP 3	7/13/2023	12:30:00 - 12:45:00	0.007	0.035	0.01	0.005	14994.5	0.005
REI CAMP 3	7/13/2023	12:45:00 - 13:00:00	0.007	0.035	0.01	0.005	15894.5	0.005
REI CAMP 3	7/13/2023	13:00:00 - 13:15:00	0.008	0.035	0.01	0.005	16794.5	0.006
REI CAMP 3	7/13/2023	13:15:00 - 13:30:00	0.009	0.035	0.01	0.005	17694.5	0.006
REI CAMP 3	7/13/2023	13:30:00 - 13:45:00	0.008	0.035	0.01	0.005	18594.5	0.006
REI CAMP 3	7/13/2023	13:45:00 - 14:00:00	0.007	0.035	0.009	0.005	19494.5	0.006
REI CAMP 3	7/13/2023	14:00:00 - 14:15:00	0.006	0.035	0.009	0.004	20394.267	0.007
REI CAMP 3	7/13/2023	14:15:00 - 14:30:00	0.005	0.035	0.009	0.003	21293.7	0.007
REI CAMP 3	7/13/2023	14:30:00 - 14:45:00	0.005	0.035	0.009	0.003	22194.517	0.007
REI CAMP 3	7/13/2023	14:45:00 - 15:00:00	0.005	0.035	0.009	0.003	23094.5	0.007
REI CAMP 3	7/13/2023	15:00:00 - 15:15:00	0.004	0.035	0.009	0.003	23994.5	0.007
REI CAMP 3	7/13/2023	15:15:00 - 15:30:00	0.005	0.035	0.009	0.003	24894.5	0.007
REI CAMP 3	7/13/2023	15:30:00 - 15:45:00	0.006	0.035	0.008	0.003	25794.5	0.008
REI CAMP 3	7/13/2023	15:45:00 - 16:00:00	0.006	0.035	0.008	0.003	26694.5	0.008
REI CAMP 3	7/13/2023	16:00:00 - 16:15:00	0.006	0.035	0.008	0.003	27590.458	0.008
REI CAMP 3	7/13/2023	16:15:00 - 16:30:00	0.007	0.035	0.008	0.003	28494.15	0.008
REI CAMP 3	7/13/2023	16:30:00 - 16:45:00	0.007	0.035	0.008	0.003	29393.5	0.008
REI CAMP 3	7/13/2023	16:45:00 - 17:00:00	0.007	0.035	0.008	0.003	30293.5	0.008
REI CAMP 3	7/13/2023	17:00:00 - 17:15:00	0.007	0.035	0.008	0.003	31193.5	0.008
REI CAMP 3	7/13/2023	17:15:00 - 17:30:00	0.007	0.035	0.008	0.003	32093.65	0.008
REI CAMP 3	7/13/2023	17:30:00 - 17:45:00	0.007	0.035	0.008	0.003	32994.5	0.008
REI CAMP 3	7/13/2023	17:45:00 - 18:00:00	0.007	0.035	0.008	0.002	33894.483	0.008
REI CAMP 3	7/13/2023	18:00:00 - 18:15:00	0.007	0.035	0.008	0.002	34734.25	0.008
REI CAMP 3	7/14/2023	08:30:00 - 08:45:00	0.019	0.031	0.018	0.011	370.054	0
REI CAMP 3	7/14/2023	08:45:00 - 09:00:00	0.028	0.041	0.022	0.012	1238.5	0.001
REI CAMP 3	7/14/2023	09:00:00 - 09:15:00	0.024	0.05	0.025	0.012	2138.5	0.002
REI CAMP 3	7/14/2023	09:15:00 - 09:30:00	0.025	0.05	0.024	0.012	3038.5	0.002
REI CAMP 3	7/14/2023	09:30:00 - 09:45:00	0.024	0.05	0.024	0.012	3938.2	0.003
REI CAMP 3	7/14/2023	09:45:00 - 10:00:00	0.028	0.083	0.025	0.012	4837.983	0.004
REI CAMP 3	7/14/2023	10:00:00 - 10:15:00	0.028	0.091	0.025	0.012	5737.867	0.005
REI CAMP 3	7/14/2023	10:15:00 - 10:30:00	0.021	0.104	0.025	0.012	6637.633	0.006
REI CAMP 3	7/14/2023	10:30:00 - 10:45:00	0.023	0.104	0.025	0.012	7538.383	0.007
REI CAMP 3	7/14/2023	10:45:00 - 11:00:00	0.019	0.104	0.024	0.012	8438.5	0.007
REI CAMP 3	7/14/2023	11:00:00 - 11:15:00	0.018	0.104	0.024	0.012	9338.5	0.008
REI CAMP 3	7/14/2023	11:15:00 - 11:30:00	0.017	0.104	0.023	0.012	10238.517	0.008
REI CAMP 3	7/14/2023	11:30:00 - 11:45:00	0.019	0.104	0.023	0.012	11137.917	0.009
REI CAMP 3	7/14/2023	11:45:00 - 12:00:00	0.017	0.104	0.022	0.012	12037.293	0.009
REI CAMP 3	7/14/2023	12:00:00 - 12:15:00	0.016	0.104	0.022	0.012	12933.5	0.01
REI CAMP 3	7/14/2023	12:15:00 - 12:30:00	0.016	0.104	0.022	0.012	13833.5	0.01
REI CAMP 3	7/14/2023	12:30:00 - 12:45:00	0.016	0.104	0.021	0.012	14734.367	0.011
REI CAMP 3	7/14/2023	12:45:00 - 13:00:00	0.016	0.104	0.021	0.012	15634.517	0.011
REI CAMP 3	7/14/2023	13:00:00 - 13:15:00	0.018	0.104	0.021	0.012	16534.5	0.012
REI CAMP 3	7/14/2023	13:15:00 - 13:30:00	0.018	0.104	0.021	0.012	17434.5	0.013
REI CAMP 3	7/14/2023	13:30:00 - 13:45:00	0.019	0.104	0.021	0.012	18333.667	0.013
REI CAMP 3	7/14/2023	13:45:00 - 14:00:00	0.02	0.104	0.021	0.012	19233.5	0.014
REI CAMP 3	7/14/2023	14:00:00 - 14:15:00	0.024	0.104	0.021	0.012	20133.5	0.014
REI CAMP 3	7/14/2023	14:15:00 - 14:30:00	0.032	0.104	0.021	0.012	21033.5	0.015
REI CAMP 3	7/14/2023	14:30:00 - 14:45:00	0.039	0.104	0.022	0.012	21933.5	0.016
REI CAMP 3	7/17/2023	10:00:00 - 10:15:00	0.018	-111111.082	0.019	0.011	25	0
REI CAMP 3	7/17/2023	10:15:00 - 10:30:00	0.026	0.093	0.033	0.015	533	0

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 3	7/17/2023	10:30:00 - 10:45:00	0.021	0.097	0.025	0.011	1433.417	0.001
REI CAMP 3	7/17/2023	10:45:00 - 11:00:00	0.029	0.102	0.025	0.011	2333.283	0.002
REI CAMP 3	7/17/2023	11:00:00 - 11:15:00	0.025	0.137	0.026	0.01	3233.017	0.003
REI CAMP 3	7/17/2023	11:15:00 - 11:30:00	0.018	0.152	0.025	0.009	4132.5	0.004
REI CAMP 3	7/17/2023	11:30:00 - 11:45:00	0.021	0.152	0.024	0.008	5032.5	0.004
REI CAMP 3	7/17/2023	11:45:00 - 12:00:00	0.015	0.152	0.023	0.008	5932.5	0.005
REI CAMP 3	7/17/2023	12:00:00 - 12:15:00	0.018	0.152	0.022	0.008	6832.5	0.005
REI CAMP 3	7/17/2023	12:15:00 - 12:30:00	0.019	0.152	0.022	0.007	7732.5	0.006
REI CAMP 3	7/17/2023	12:30:00 - 12:45:00	0.029	0.152	0.022	0.006	8632.5	0.006
REI CAMP 3	7/17/2023	12:45:00 - 13:00:00	0.022	0.152	0.022	0.006	9532.5	0.007
REI CAMP 3	7/17/2023	13:00:00 - 13:15:00	0.02	0.152	0.022	0.006	10432.517	0.008
REI CAMP 3	7/17/2023	13:15:00 - 13:30:00	0.021	0.152	0.022	0.006	11332.6	0.009
REI CAMP 3	7/17/2023	13:30:00 - 13:45:00	0.022	0.152	0.022	0.006	12232.5	0.009
REI CAMP 3	7/17/2023	13:45:00 - 14:00:00	0.024	0.152	0.022	0.006	13132.5	0.01
REI CAMP 3	7/17/2023	14:00:00 - 14:15:00	0.013	0.152	0.022	0.006	14032.5	0.011
REI CAMP 3	7/17/2023	14:15:00 - 14:30:00	0.015	0.152	0.021	0.006	14932.5	0.011
REI CAMP 3	7/17/2023	14:30:00 - 14:45:00	0.023	0.152	0.021	0.006	15832.5	0.012
REI CAMP 3	7/17/2023	14:45:00 - 15:00:00	0.013	0.152	0.021	0.006	16732.5	0.012
REI CAMP 3	7/17/2023	15:00:00 - 15:15:00	0.028	0.152	0.021	0.006	17632.417	0.013
REI CAMP 3	7/17/2023	15:15:00 - 15:30:00	0.032	0.152	0.021	0.006	18531.65	0.014
REI CAMP 3	7/17/2023	15:30:00 - 15:45:00	0.025	0.152	0.022	0.006	19431.5	0.015
REI CAMP 3	7/17/2023	15:45:00 - 16:00:00	0.02	0.152	0.022	0.006	20331.5	0.016
REI CAMP 3	7/17/2023	16:00:00 - 16:15:00	0.016	0.152	0.022	0.006	21231.583	0.016
REI CAMP 3	7/17/2023	16:15:00 - 16:30:00	0.015	0.152	0.022	0.006	22132.5	0.017
REI CAMP 3	7/17/2023	16:30:00 - 16:45:00	0.008	0.152	0.021	0.006	23032.5	0.017
REI CAMP 3	7/17/2023	16:45:00 - 17:00:00	0.009	0.152	0.021	0.006	23932.5	0.017
REI CAMP 3	7/17/2023	17:00:00 - 17:15:00	0.007	0.152	0.02	0.006	24832.433	0.017
REI CAMP 3	7/17/2023	17:15:00 - 17:30:00	0.009	0.152	0.02	0.005	25731.567	0.018
REI CAMP 3	7/17/2023	17:30:00 - 17:45:00	0.014	0.152	0.019	0.005	26533.915	0.018
REI CAMP 3	7/18/2023	07:00:00 - 07:15:00	0.023	0.033	0.022	0.014	104.55	0
REI CAMP 3	7/18/2023	07:15:00 - 07:30:00	0.025	0.057	0.027	0.016	700.5	0
REI CAMP 3	7/18/2023	07:30:00 - 07:45:00	0.02	0.057	0.024	0.013	1600.5	0.001
REI CAMP 3	7/18/2023	07:45:00 - 08:00:00	0.014	0.057	0.022	0.011	2500.5	0.002
REI CAMP 3	7/18/2023	08:00:00 - 08:15:00	0.013	0.057	0.019	0.011	3400.5	0.002
REI CAMP 3	7/18/2023	08:15:00 - 08:30:00	0.016	0.057	0.018	0.01	4300.433	0.003
REI CAMP 3	7/18/2023	08:30:00 - 08:45:00	0.015	0.057	0.018	0.01	5200.167	0.003
REI CAMP 3	7/18/2023	08:45:00 - 09:00:00	0.024	0.076	0.019	0.01	6099.983	0.004
REI CAMP 3	7/18/2023	09:00:00 - 09:15:00	0.011	0.086	0.018	0.009	7000.083	0.004
REI CAMP 3	7/18/2023	09:15:00 - 09:30:00	0.017	0.094	0.017	0.007	7900.5	0.005
REI CAMP 3	7/18/2023	09:30:00 - 09:45:00	0.011	0.131	0.017	0.007	8800.5	0.005
REI CAMP 3	7/18/2023	09:45:00 - 10:00:00	0.01	0.131	0.017	0.007	9700.5	0.006
REI CAMP 3	7/18/2023	10:00:00 - 10:15:00	0.011	0.131	0.016	0.007	10600.5	0.006
REI CAMP 3	7/18/2023	10:15:00 - 10:30:00	0.019	0.131	0.016	0.007	11500.333	0.006
REI CAMP 3	7/18/2023	10:30:00 - 10:45:00	0.034	0.135	0.016	0.007	12400.15	0.007
REI CAMP 3	7/18/2023	10:45:00 - 11:00:00	0.022	0.221	0.018	0.007	13300.1	0.008
REI CAMP 3	7/18/2023	11:00:00 - 11:15:00	0.025	0.221	0.018	0.007	14199.817	0.009
REI CAMP 3	7/18/2023	11:15:00 - 11:30:00	0.026	0.221	0.018	0.007	15099.5	0.01
REI CAMP 3	7/18/2023	11:30:00 - 11:45:00	0.021	0.221	0.019	0.007	15999.5	0.01
REI CAMP 3	7/18/2023	11:45:00 - 12:00:00	0.027	0.221	0.019	0.007	16899.5	0.011
REI CAMP 3	7/18/2023	12:00:00 - 12:15:00	0.029	0.221	0.019	0.007	17799.767	0.012
REI CAMP 3	7/18/2023	12:15:00 - 12:30:00	0.034	0.221	0.02	0.007	18700.417	0.013
REI CAMP 3	7/18/2023	12:30:00 - 12:45:00	0.038	0.221	0.021	0.007	19600.217	0.014
REI CAMP 3	7/18/2023	12:45:00 - 13:00:00	0.055	0.567	0.022	0.007	20500.05	0.016
REI CAMP 3	7/18/2023	13:00:00 - 13:15:00	0.031	0.597	0.023	0.007	21399.817	0.017
REI CAMP 3	7/18/2023	13:15:00 - 13:30:00	0.039	0.597	0.023	0.007	22299.5	0.018
REI CAMP 3	7/18/2023	13:30:00 - 13:45:00	0.054	0.597	0.025	0.007	23199.5	0.02
REI CAMP 3	7/18/2023	13:45:00 - 14:00:00	0.056	0.597	0.025	0.007	24099.5	0.021
REI CAMP 3	7/18/2023	14:00:00 - 14:15:00	0.073	0.448	0.036	0.02	17443.55	0.016
REI CAMP 3	7/18/2023	14:15:00 - 14:30:00	0.051	0.099	0.049	0.044	713.5	0.001
REI CAMP 3	7/18/2023	14:30:00 - 14:45:00	0.055	0.185	0.052	0.044	1613.5	0.003
REI CAMP 3	7/18/2023	14:45:00 - 15:00:00	0.053	0.214	0.052	0.044	2513.5	0.005
REI CAMP 3	7/18/2023	15:00:00 - 15:15:00	0.051	0.214	0.052	0.044	3413.5	0.006
REI CAMP 3	7/18/2023	15:15:00 - 15:30:00	0.051	0.214	0.052	0.044	4313.5	0.008
REI CAMP 3	7/18/2023	15:30:00 - 15:45:00	0.054	0.214	0.052	0.044	5213.5	0.009
REI CAMP 3	7/18/2023	15:45:00 - 16:00:00	0.055	0.214	0.053	0.044	6113.5	0.011
REI CAMP 3	7/18/2023	16:00:00 - 16:15:00	0.108	0.727	0.057	0.044	7013.433	0.014
REI CAMP 3	7/18/2023	16:15:00 - 16:30:00	0.085	0.985	0.061	0.044	7913.5	0.017
REI CAMP 3	7/18/2023	16:30:00 - 16:45:00	0.057	0.985	0.061	0.044	8813.5	0.019
REI CAMP 3	7/18/2023	16:45:00 - 17:00:00	0.059	0.985	0.061	0.044	9713.5	0.021
REI CAMP 3	7/18/2023	17:00:00 - 17:15:00	0.057	0.985	0.061	0.044	10613.5	0.022
REI CAMP 3	7/18/2023	17:15:00 - 17:30:00	0.059	0.985	0.06	0.044	11513.5	0.024
REI CAMP 3	7/18/2023	17:30:00 - 17:45:00	0.058	0.985	0.06	0.044	12413.5	0.026
REI CAMP 3	7/18/2023	17:45:00 - 18:00:00	0.055	0.985	0.06	0.044	13313.483	0.028
REI CAMP 3	7/18/2023	18:00:00 - 18:15:00	0.06	0.985	0.06	0.044	14213.383	0.03
REI CAMP 3	7/18/2023	18:15:00 - 18:30:00	0.063	0.985	0.06	0.044	15113.5	0.032
REI CAMP 3	7/18/2023	18:30:00 - 18:45:00	0.06	0.985	0.06	0.044	16013.517	0.033
REI CAMP 3	7/18/2023	18:45:00 - 19:00:00	0.06	0.985	0.06	0.044	16913.5	0.035
REI CAMP 3	7/18/2023	19:00:00 - 19:15:00	0.063	0.985	0.06	0.044	17813.5	0.037
REI CAMP 3	7/18/2023	19:15:00 - 19:30:00	0.063	0.985	0.06	0.044	18713.5	0.039
REI CAMP 3	7/18/2023	19:30:00 - 19:45:00	0.06	0.985	0.06	0.044	19613.5	0.041
REI CAMP 3	7/18/2023	19:45:00 - 20:00:00	0.067	0.985	0.06	0.044	20513.5	0.043
REI CAMP 3	7/18/2023	20:00:00 - 20:15:00	0.051	0.985	0.06	0.044	21413.1	0.045
REI CAMP 3	7/18/2023	20:15:00 - 20:30:00	0.047	0.985	0.06	0.044	22290	0.046
REI CAMP 3	7/19/2023	07:15:00 - 07:30:00	0.038	0.042	0.038	0.03	324.34	0
REI CAMP 3	7/19/2023	07:30:00 - 07:45:00	0.041	0.048	0.041	0.033	1168.033	0.001
REI CAMP 3	7/19/2023	07:45:00 - 08:00:00	0.041	0.048	0.041	0.033	2067.817	0.003
REI CAMP 3	7/19/2023	08:00:00 - 08:15:00	0.041	0.048	0.041	0.033	2967.683	0.004
REI CAMP 3	7/19/2023	08:15:00 - 08:30:00	0.042	0.05	0.041	0.033	3868.3	0.006
REI CAMP 3	7/19/2023	08:30:00 - 08:45:00	0.045	0.051	0.042	0.033	4768.5	0.007
REI CAMP 3	7/19/2023	08:45:00 - 09:00:00	0.046	0.053	0.042	0.033	5668.5	0.008
REI CAMP 3	7/19/2023	09:00:00 - 09:15:00	0.048	0.062	0.043	0.033	6568.5	0.01
REI CAMP 3	7/19/2023	09:15:00 - 09:30:00	0.053	0.098	0.044	0.033	7468.417	0.011
REI CAMP 3	7/19/2023	09:30:00 - 09:45:00	0.052	0.141	0.045	0.033	8368.267	0.013
REI CAMP 3	7/19/2023	09:45:00 - 10:00:00	0.054	0.141	0.046	0.033	9268.067	0.015

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 3	7/19/2023	10:00:00 - 10:15:00	0.056	0.141	0.046	0.033	10167.967	0.016
REI CAMP 3	7/19/2023	10:15:00 - 10:30:00	0.053	0.141	0.047	0.033	11067.583	0.018
REI CAMP 3	7/19/2023	10:30:00 - 10:45:00	0.049	0.141	0.047	0.033	11967.5	0.02
REI CAMP 3	7/19/2023	10:45:00 - 11:00:00	0.041	0.141	0.047	0.033	12867.5	0.021
REI CAMP 3	7/19/2023	11:00:00 - 11:15:00	0.035	0.141	0.047	0.031	13767.5	0.022
REI CAMP 3	7/19/2023	11:15:00 - 11:30:00	0.035	0.141	0.046	0.03	14668.15	0.023
REI CAMP 3	7/19/2023	11:30:00 - 11:45:00	0.036	0.141	0.045	0.03	15568.217	0.024
REI CAMP 3	7/19/2023	11:45:00 - 12:00:00	0.032	0.141	0.045	0.03	16468.067	0.026
REI CAMP 3	7/19/2023	12:00:00 - 12:15:00	0.028	0.141	0.044	0.026	17367.833	0.026
REI CAMP 3	7/19/2023	12:15:00 - 12:30:00	0.022	0.141	0.043	0.02	18267.567	0.027
REI CAMP 3	7/19/2023	12:30:00 - 12:45:00	0.011	0.141	0.042	0.009	19160.466	0.028
REI CAMP 3	7/19/2023	12:45:00 - 13:00:00	0.007	0.141	0.04	0.004	20059.5	0.028
REI CAMP 3	7/19/2023	13:00:00 - 13:15:00	0.007	0.141	0.039	0.004	20959.5	0.028
REI CAMP 3	7/19/2023	13:15:00 - 13:30:00	0.005	0.141	0.037	0.003	21859.5	0.028
REI CAMP 3	7/19/2023	13:30:00 - 13:45:00	0.004	0.141	0.036	0.002	22759.5	0.029
REI CAMP 3	7/19/2023	13:45:00 - 14:00:00	0.005	0.141	0.035	0.002	23659.483	0.029
REI CAMP 3	7/19/2023	14:00:00 - 14:15:00	0.004	0.141	0.034	0.002	24559.233	0.029
REI CAMP 3	7/19/2023	14:15:00 - 14:30:00	0.004	0.141	0.033	0.002	25459.4	0.029
REI CAMP 3	7/19/2023	14:30:00 - 14:45:00	0.004	0.141	0.032	0.002	26359.5	0.029
REI CAMP 3	7/19/2023	14:45:00 - 15:00:00	0.004	0.141	0.031	0.002	27259.5	0.029
REI CAMP 3	7/19/2023	15:00:00 - 15:15:00	0.005	0.141	0.03	0.002	28159.5	0.029
REI CAMP 3	7/19/2023	15:15:00 - 15:30:00	0.017	0.141	0.029	0.002	29059.5	0.029
REI CAMP 3	7/19/2023	15:30:00 - 15:45:00	0.008	0.141	0.029	0.002	29959.5	0.029
REI CAMP 3	7/19/2023	15:45:00 - 16:00:00	0.008	0.141	0.028	0.002	30859.5	0.029
REI CAMP 3	7/19/2023	16:00:00 - 16:15:00	0.008	0.141	0.028	0.002	31759.467	0.029
REI CAMP 3	7/19/2023	16:15:00 - 16:30:00	0.008	0.141	0.027	0.002	32659.283	0.029
REI CAMP 3	7/19/2023	16:30:00 - 16:45:00	0.008	0.141	0.027	0.002	33559.55	0.029
REI CAMP 3	7/19/2023	16:45:00 - 17:00:00	0.022	0.141	0.026	0.002	34459.5	0.029
REI CAMP 3	7/19/2023	17:00:00 - 17:15:00	0.008	0.141	0.026	0.002	35359.5	0.029
REI CAMP 3	7/19/2023	17:15:00 - 17:30:00	0.009	0.141	0.026	0.002	36259.5	0.029
REI CAMP 3	7/19/2023	17:30:00 - 17:45:00	0.01	0.141	0.025	0.002	37159.5	0.029
REI CAMP 3	7/19/2023	17:45:00 - 18:00:00	0.015	0.141	0.025	0.002	38059.5	0.029
REI CAMP 3	7/19/2023	18:00:00 - 18:15:00	0.013	0.141	0.025	0.002	38959.5	0.029
REI CAMP 3	7/19/2023	18:15:00 - 18:30:00	0.009	0.141	0.024	0.002	39853.508	0.029
REI CAMP 3	7/19/2023	18:30:00 - 18:45:00	0.009	0.141	0.024	0.002	40465.5	0.029
REI CAMP 3	7/20/2023	07:30:00 - 07:45:00	0.013	0.022	0.013	0.008	229.263	0
REI CAMP 3	7/20/2023	07:45:00 - 08:00:00	0.016	0.036	0.016	0.009	961.067	0.001
REI CAMP 3	7/20/2023	08:00:00 - 08:15:00	0.014	0.064	0.016	0.009	1860.95	0.001
REI CAMP 3	7/20/2023	08:15:00 - 08:30:00	0.014	0.064	0.015	0.009	2760.817	0.001
REI CAMP 3	7/20/2023	08:30:00 - 08:45:00	0.017	0.064	0.015	0.009	3660.567	0.002
REI CAMP 3	7/20/2023	08:45:00 - 09:00:00	0.018	0.064	0.016	0.009	4560.5	0.003
REI CAMP 3	7/20/2023	09:00:00 - 09:15:00	0.017	0.064	0.016	0.009	5460.5	0.003
REI CAMP 3	7/20/2023	09:15:00 - 09:30:00	0.017	0.064	0.016	0.009	6360.5	0.004
REI CAMP 3	7/20/2023	09:30:00 - 09:45:00	0.017	0.064	0.016	0.009	7260.283	0.004
REI CAMP 3	7/20/2023	09:45:00 - 10:00:00	0.024	0.07	0.017	0.009	8160.233	0.005
REI CAMP 3	7/20/2023	10:00:00 - 10:15:00	0.019	0.075	0.017	0.009	9059.967	0.005
REI CAMP 3	7/20/2023	10:15:00 - 10:30:00	0.018	0.075	0.017	0.009	9959.883	0.006
REI CAMP 3	7/20/2023	10:30:00 - 10:45:00	0.02	0.075	0.017	0.009	10860.167	0.007
REI CAMP 3	7/20/2023	10:45:00 - 11:00:00	0.019	0.075	0.017	0.009	11760.5	0.007
REI CAMP 3	7/20/2023	11:00:00 - 11:15:00	0.018	0.075	0.018	0.009	12660.5	0.008
REI CAMP 3	7/20/2023	11:15:00 - 11:30:00	0.022	0.075	0.018	0.009	13560.5	0.008
REI CAMP 3	7/20/2023	11:30:00 - 11:45:00	0.018	0.075	0.018	0.009	14460.35	0.009
REI CAMP 3	7/20/2023	11:45:00 - 12:00:00	0.019	0.075	0.018	0.009	15360.05	0.01
REI CAMP 3	7/20/2023	12:00:00 - 12:15:00	0.015	0.075	0.018	0.009	16259.883	0.01
REI CAMP 3	7/20/2023	12:15:00 - 12:30:00	0.014	0.075	0.018	0.009	17159.767	0.01
REI CAMP 3	7/20/2023	12:30:00 - 12:45:00	0.014	0.075	0.017	0.009	18060.117	0.011
REI CAMP 3	7/20/2023	12:45:00 - 13:00:00	0.01	0.075	0.017	0.007	18960.5	0.011
REI CAMP 3	7/20/2023	13:00:00 - 13:15:00	0.009	0.075	0.017	0.005	19860.5	0.012
REI CAMP 3	7/20/2023	13:15:00 - 13:30:00	0.007	0.075	0.016	0.005	20760.5	0.012
REI CAMP 3	7/20/2023	13:30:00 - 13:45:00	0.006	0.075	0.016	0.004	21660.333	0.012
REI CAMP 3	7/20/2023	13:45:00 - 14:00:00	0.005	0.075	0.016	0.002	22560.133	0.012
REI CAMP 3	7/20/2023	14:00:00 - 14:15:00	0.006	0.075	0.015	0.002	23459.967	0.012
REI CAMP 3	7/20/2023	14:15:00 - 14:30:00	0.006	0.075	0.015	0.002	24359.733	0.013
REI CAMP 3	7/20/2023	14:30:00 - 14:45:00	0.005	0.075	0.015	0.002	25259.517	0.013
REI CAMP 3	7/20/2023	14:45:00 - 15:00:00	0.004	0.075	0.014	0.002	26149.607	0.013
REI CAMP 3	7/20/2023	15:00:00 - 15:15:00	0.003	0.075	0.014	0.002	27059.5	0.013
REI CAMP 3	7/20/2023	15:15:00 - 15:30:00	0.002	0.075	0.013	0.001	27959.517	0.013
REI CAMP 3	7/20/2023	15:30:00 - 15:45:00	0.003	0.075	0.013	0	28859.933	0.013
REI CAMP 3	7/20/2023	15:45:00 - 16:00:00	0.003	0.075	0.013	0	29759.7	0.013
REI CAMP 3	7/20/2023	16:00:00 - 16:15:00	0.003	0.075	0.013	0	30659.65	0.013
REI CAMP 3	7/20/2023	16:15:00 - 16:30:00	0.004	0.075	0.012	0	31559.567	0.013
REI CAMP 3	7/20/2023	16:30:00 - 16:45:00	0.003	0.075	0.012	0	32151.895	0.013
REI CAMP 3	7/21/2023	07:00:00 - 07:15:00	0.026	0.038	0.025	0.017	100.4	0
REI CAMP 3	7/21/2023	07:15:00 - 07:30:00	0.034	0.047	0.033	0.021	695.5	0
REI CAMP 3	7/21/2023	07:30:00 - 07:45:00	0.033	0.047	0.034	0.021	1595.5	0.002
REI CAMP 3	7/21/2023	07:45:00 - 08:00:00	0.032	0.047	0.033	0.021	2495.5	0.003
REI CAMP 3	7/21/2023	08:00:00 - 08:15:00	0.031	0.047	0.033	0.021	3395.767	0.004
REI CAMP 3	7/21/2023	08:15:00 - 08:30:00	0.031	0.047	0.032	0.021	4296.5	0.005
REI CAMP 3	7/21/2023	08:30:00 - 08:45:00	0.031	0.047	0.032	0.021	5196.5	0.006
REI CAMP 3	7/21/2023	08:45:00 - 09:00:00	0.03	0.047	0.032	0.021	6096.367	0.007
REI CAMP 3	7/21/2023	09:00:00 - 09:15:00	0.037	0.052	0.032	0.021	6996.05	0.008
REI CAMP 3	7/21/2023	09:15:00 - 09:30:00	0.029	0.068	0.032	0.021	7895.5	0.009
REI CAMP 3	7/21/2023	09:30:00 - 09:45:00	0.029	0.068	0.032	0.021	8795.5	0.01
REI CAMP 3	7/21/2023	09:45:00 - 10:00:00	0.027	0.068	0.032	0.021	9695.5	0.011
REI CAMP 3	7/21/2023	10:00:00 - 10:15:00	0.027	0.068	0.031	0.021	10595.5	0.011
REI CAMP 3	7/21/2023	10:15:00 - 10:30:00	0.029	0.068	0.031	0.021	11495.55	0.012
REI CAMP 3	7/21/2023	10:30:00 - 10:45:00	0.026	0.068	0.031	0.021	12396.5	0.013
REI CAMP 3	7/21/2023	10:45:00 - 11:00:00	0.028	0.068	0.03	0.021	13296.483	0.014
REI CAMP 3	7/21/2023	11:00:00 - 11:15:00	0.024	0.068	0.03	0.021	14196.067	0.015
REI CAMP 3	7/21/2023	11:15:00 - 11:30:00	0.04	0.135	0.03	0.019	15094.356	0.016
REI CAMP 3	7/21/2023	11:30:00 - 11:45:00	0.03	0.239	0.031	0.018	15995.5	0.017
REI CAMP 3	7/21/2023	11:45:00 - 12:00:00	0.026	0.239	0.03	0.017	16895.5	0.018
REI CAMP 3	7/21/2023	12:00:00 - 12:15:00	0.031	0.239	0.03	0.017	17795.517	0.019
REI CAMP 3	7/21/2023	12:15:00 - 12:30:00	0.023	0.239	0.03	0.017	18695.5	0.02

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 3	7/21/2023	12:30:00 - 12:45:00	0.033	0.239	0.03	0.016	19595.467	0.021
REI CAMP 3	7/21/2023	12:45:00 - 13:00:00	0.027	0.239	0.03	0.016	20495.267	0.022
REI CAMP 3	7/21/2023	13:00:00 - 13:15:00	0.02	0.239	0.03	0.015	21395.233	0.022
REI CAMP 3	7/21/2023	13:15:00 - 13:30:00	0.031	0.246	0.03	0.015	22295.5	0.023
REI CAMP 3	7/21/2023	13:30:00 - 13:45:00	0.033	0.255	0.03	0.015	23195.5	0.024
REI CAMP 3	7/21/2023	13:45:00 - 14:00:00	0.033	0.255	0.03	0.015	24095.5	0.025
REI CAMP 3	7/21/2023	14:00:00 - 14:15:00	0.022	0.255	0.03	0.015	24995.5	0.026
REI CAMP 3	7/21/2023	14:15:00 - 14:30:00	0.023	0.255	0.029	0.015	25895.5	0.026
REI CAMP 3	7/21/2023	14:30:00 - 14:45:00	0.023	0.255	0.029	0.015	26795.4	0.027
REI CAMP 3	7/21/2023	14:45:00 - 15:00:00	0.027	0.255	0.029	0.015	27695.15	0.028
REI CAMP 3	7/21/2023	15:00:00 - 15:15:00	0.022	0.255	0.029	0.015	28594.917	0.029
REI CAMP 3	7/21/2023	15:15:00 - 15:30:00	0.023	0.255	0.029	0.015	29494.5	0.029
REI CAMP 3	7/21/2023	15:30:00 - 15:45:00	0.025	0.255	0.029	0.015	30394.5	0.029
REI CAMP 3	7/21/2023	15:45:00 - 16:00:00	0.023	0.255	0.029	0.015	31294.5	0.029
REI CAMP 3	7/21/2023	16:00:00 - 16:15:00	0.025	0.255	0.028	0.014	32194.717	0.029
REI CAMP 3	7/21/2023	16:15:00 - 16:30:00	0.02	0.255	0.028	0.014	33095.133	0.029
REI CAMP 3	7/21/2023	16:30:00 - 16:45:00	0.027	0.255	0.028	0.014	33994.617	0.029
REI CAMP 3	7/21/2023	16:45:00 - 17:00:00	0.029	0.255	0.028	0.014	34894.567	0.029
REI CAMP 3	7/21/2023	17:00:00 - 17:15:00	0.024	0.255	0.028	0.014	35794.5	0.029
REI CAMP 3	7/21/2023	17:15:00 - 17:30:00	0.021	0.255	0.028	0.014	36694.5	0.029
REI CAMP 3	7/21/2023	17:30:00 - 17:45:00	0.021	0.255	0.028	0.014	37594.5	0.029
REI CAMP 3	7/21/2023	17:45:00 - 18:00:00	0.021	0.255	0.028	0.014	38480.672	0.029
REI CAMP 3	7/21/2023	18:00:00 - 18:15:00	0.021	0.255	0.027	0.014	39403.431	0.029
REI CAMP 3	7/21/2023	18:15:00 - 18:30:00	0.021	0.255	0.027	0.014	40293.5	0.029
REI CAMP 3	7/21/2023	18:30:00 - 18:45:00	0.022	0.255	0.027	0.014	40840.615	0.029
REI CAMP 3	7/24/2023	08:00:00 - 08:15:00	0.11	0.115	0.105	0.077	192.794	0
REI CAMP 3	7/24/2023	08:15:00 - 08:30:00	0.139	0.18	0.131	0.087	893.5	0.003
REI CAMP 3	7/24/2023	08:30:00 - 08:45:00	0.147	0.199	0.137	0.087	1793.5	0.009
REI CAMP 3	7/24/2023	08:45:00 - 09:00:00	0.144	0.199	0.14	0.087	2693.5	0.013
REI CAMP 3	7/24/2023	09:00:00 - 09:15:00	0.14	0.199	0.14	0.087	3593.1	0.018
REI CAMP 3	7/24/2023	09:15:00 - 09:30:00	0.142	0.199	0.14	0.087	4492.633	0.022
REI CAMP 3	7/24/2023	09:30:00 - 09:45:00	0.15	0.199	0.141	0.087	5392.5	0.026
REI CAMP 3	7/24/2023	09:45:00 - 10:00:00	0.142	0.199	0.142	0.087	6292.5	0.031
REI CAMP 3	7/24/2023	10:00:00 - 10:15:00	0.143	0.199	0.142	0.087	7192.5	0.035
REI CAMP 3	7/24/2023	10:15:00 - 10:30:00	0.152	0.199	0.143	0.087	8092.5	0.04
REI CAMP 3	7/24/2023	10:30:00 - 10:45:00	0.138	0.199	0.143	0.087	8992.5	0.045
REI CAMP 3	7/24/2023	10:45:00 - 11:00:00	0.13	0.199	0.142	0.087	9892.5	0.049
REI CAMP 3	7/24/2023	11:00:00 - 11:15:00	0.125	0.199	0.141	0.087	10792.583	0.053
REI CAMP 3	7/24/2023	11:15:00 - 11:30:00	0.126	0.199	0.14	0.087	11692.6	0.057
REI CAMP 3	7/24/2023	11:30:00 - 11:45:00	0.115	0.199	0.138	0.087	12592.517	0.061
REI CAMP 3	7/24/2023	11:45:00 - 12:00:00	0.105	0.199	0.136	0.087	13492.5	0.064
REI CAMP 3	7/24/2023	12:00:00 - 12:15:00	0.111	0.199	0.134	0.087	14392.5	0.067
REI CAMP 3	7/24/2023	12:15:00 - 12:30:00	0.106	0.199	0.133	0.087	15292.5	0.071
REI CAMP 3	7/24/2023	12:30:00 - 12:45:00	0.108	0.199	0.132	0.087	16192.5	0.074
REI CAMP 3	7/24/2023	12:45:00 - 13:00:00	0.106	0.199	0.13	0.087	17092.5	0.077
REI CAMP 3	7/24/2023	13:00:00 - 13:15:00	0.108	0.199	0.129	0.087	17992.083	0.081
REI CAMP 3	7/24/2023	13:15:00 - 13:30:00	0.114	0.199	0.128	0.087	18891.5	0.084
REI CAMP 3	7/24/2023	13:30:00 - 13:45:00	0.125	0.199	0.128	0.087	19791.5	0.088
REI CAMP 3	7/24/2023	13:45:00 - 14:00:00	0.139	0.199	0.128	0.087	20691.5	0.092
REI CAMP 3	7/24/2023	14:00:00 - 14:15:00	0.149	0.199	0.129	0.087	21591.983	0.097
REI CAMP 3	7/24/2023	14:15:00 - 14:30:00	0.154	0.199	0.13	0.087	22492.5	0.101
REI CAMP 3	7/24/2023	14:30:00 - 14:45:00	0.159	0.199	0.131	0.087	23392.5	0.106
REI CAMP 3	7/24/2023	14:45:00 - 15:00:00	0.162	0.199	0.132	0.087	24292.5	0.111
REI CAMP 3	7/24/2023	15:00:00 - 15:15:00	0.164	0.199	0.133	0.087	25192.017	0.116
REI CAMP 3	7/24/2023	15:15:00 - 15:30:00	0.165	0.199	0.134	0.087	26091.5	0.121
REI CAMP 3	7/24/2023	15:30:00 - 15:45:00	0.164	0.199	0.135	0.087	26991.5	0.127
REI CAMP 3	7/24/2023	15:45:00 - 16:00:00	0.16	0.199	0.136	0.087	27891.5	0.132
REI CAMP 3	7/24/2023	16:00:00 - 16:15:00	0.162	0.199	0.137	0.087	28679.311	0.136
REI CAMP 3	7/25/2023	08:00:00 - 08:15:00	0.039	0.059	0.039	0.034	386.864	0
REI CAMP 3	7/25/2023	08:15:00 - 08:30:00	0.041	0.063	0.042	0.037	1277.5	0.002
REI CAMP 3	7/25/2023	08:30:00 - 08:45:00	0.038	0.063	0.041	0.035	2177.5	0.003
REI CAMP 3	7/25/2023	08:45:00 - 09:00:00	0.038	0.063	0.04	0.034	3077.5	0.004
REI CAMP 3	7/25/2023	09:00:00 - 09:15:00	0.041	0.063	0.04	0.034	3977.183	0.006
REI CAMP 3	7/25/2023	09:15:00 - 09:30:00	0.044	0.063	0.041	0.034	4876.95	0.007
REI CAMP 3	7/25/2023	09:30:00 - 09:45:00	0.044	0.063	0.041	0.034	5776.833	0.008
REI CAMP 3	7/25/2023	09:45:00 - 10:00:00	0.05	0.063	0.042	0.034	6676.683	0.01
REI CAMP 3	7/25/2023	10:00:00 - 10:15:00	0.052	0.063	0.043	0.034	7577.433	0.011
REI CAMP 3	7/25/2023	10:15:00 - 10:30:00	0.055	0.063	0.044	0.034	8477.5	0.013
REI CAMP 3	7/25/2023	10:30:00 - 10:45:00	0.066	0.074	0.045	0.034	9377.5	0.015
REI CAMP 3	7/25/2023	10:45:00 - 11:00:00	0.088	0.103	0.048	0.034	10277.5	0.017
REI CAMP 3	7/25/2023	11:00:00 - 11:15:00	0.087	0.112	0.052	0.034	11176.833	0.02
REI CAMP 3	7/25/2023	11:15:00 - 11:30:00	0.088	0.113	0.054	0.034	12076.617	0.023
REI CAMP 3	7/25/2023	11:30:00 - 11:45:00	0.092	0.113	0.057	0.034	12976.583	0.026
REI CAMP 3	7/25/2023	11:45:00 - 12:00:00	0.093	0.113	0.059	0.034	13876.583	0.028
REI CAMP 3	7/25/2023	12:00:00 - 12:15:00	0.092	0.113	0.061	0.034	14776.5	0.031
REI CAMP 3	7/25/2023	12:15:00 - 12:30:00	0.087	0.113	0.063	0.034	15676.5	0.034
REI CAMP 3	7/25/2023	12:30:00 - 12:45:00	0.084	0.113	0.064	0.034	16576.5	0.037
REI CAMP 3	7/25/2023	12:45:00 - 13:00:00	0.083	0.113	0.065	0.034	17476.5	0.039
REI CAMP 3	7/25/2023	13:00:00 - 13:15:00	0.084	0.113	0.066	0.034	18377.267	0.042
REI CAMP 3	7/25/2023	13:15:00 - 13:30:00	0.083	0.113	0.067	0.034	19269.746	0.045
REI CAMP 3	7/25/2023	13:30:00 - 13:45:00	0.084	0.113	0.067	0.034	20162.2	0.047
REI CAMP 3	7/25/2023	13:45:00 - 14:00:00	0.085	0.113	0.068	0.034	21069.475	0.05
REI CAMP 3	7/25/2023	14:00:00 - 14:15:00	0.099	0.632	0.069	0.034	21969.051	0.053
REI CAMP 3	7/25/2023	14:15:00 - 14:30:00	0.083	1.35	0.07	0.034	22861.5	0.056
REI CAMP 3	7/25/2023	14:30:00 - 14:45:00	0.079	1.35	0.07	0.034	23769	0.058
REI CAMP 3	7/25/2023	14:45:00 - 15:00:00	0.078	1.35	0.071	0.034	24669	0.061
REI CAMP 3	7/25/2023	15:00:00 - 15:15:00	0.078	1.35	0.071	0.034	25562.117	0.063
REI CAMP 3	7/25/2023	15:15:00 - 15:30:00	0.075	1.35	0.071	0.034	26469.656	0.065
REI CAMP 3	7/25/2023	15:30:00 - 15:45:00	0.074	1.35	0.071	0.034	27369.475	0.068
REI CAMP 3	7/25/2023	15:45:00 - 16:00:00	0.073	1.35	0.071	0.034	28261.817	0.07
REI CAMP 3	7/25/2023	16:00:00 - 16:15:00	0.069	1.35	0.071	0.034	29161.517	0.071
REI CAMP 3	7/25/2023	16:15:00 - 16:30:00	0.071	1.35	0.071	0.034	30061.5	0.071
REI CAMP 3	7/25/2023	16:30:00 - 16:45:00	0.071	1.35	0.071	0.034	30961.5	0.071
REI CAMP 3	7/25/2023	16:45:00 - 17:00:00	0.069	1.35	0.071	0.034	31861.5	0.071

Deployment Label	Date	Time Period	concentration	maximum	mean	minimum	runSeconds	weightedMean
REI CAMP 3	7/25/2023	17:00:00 - 17:15:00	0.069	1.35	0.071	0.034	32761.5	0.071
REI CAMP 3	7/25/2023	17:15:00 - 17:30:00	0.069	1.35	0.071	0.034	33661.5	0.071
REI CAMP 3	7/25/2023	17:30:00 - 17:45:00	0.066	1.35	0.071	0.034	34561.367	0.071
REI CAMP 3	7/25/2023	17:45:00 - 18:00:00	0.064	1.35	0.071	0.034	35461.133	0.071
REI CAMP 3	7/25/2023	18:00:00 - 18:15:00	0.066	1.35	0.071	0.034	36361.417	0.071
REI CAMP 3	7/25/2023	18:15:00 - 18:30:00	0.066	1.35	0.071	0.034	37261.5	0.071
REI CAMP 3	7/25/2023	18:30:00 - 18:45:00	0.066	1.35	0.071	0.034	37741.25	0.071
REI CAMP 3	7/26/2023	08:00:00 - 08:15:00	0.04	0.041	0.038	0.03	44.54	0
REI CAMP 3	7/26/2023	08:15:00 - 08:30:00	0.113	0.123	0.115	0.089	708.5	0.001
REI CAMP 3	7/26/2023	08:30:00 - 08:45:00	0.108	0.123	0.112	0.089	1608.5	0.006
REI CAMP 3	7/26/2023	08:45:00 - 09:00:00	0.106	0.123	0.11	0.089	2508.5	0.01
REI CAMP 3	7/26/2023	09:00:00 - 09:15:00	0.103	0.123	0.109	0.089	3408.45	0.013
REI CAMP 3	7/26/2023	09:15:00 - 09:30:00	0.102	0.123	0.107	0.089	4308.217	0.016
REI CAMP 3	7/26/2023	09:30:00 - 09:45:00	0.098	0.123	0.106	0.089	5208	0.019
REI CAMP 3	7/26/2023	09:45:00 - 10:00:00	0.089	0.123	0.104	0.084	6107.817	0.022
REI CAMP 3	7/26/2023	10:00:00 - 10:15:00	0.086	0.123	0.102	0.082	7007.917	0.025
REI CAMP 3	7/26/2023	10:15:00 - 10:30:00	0.084	0.123	0.1	0.078	7908.5	0.028
REI CAMP 3	7/26/2023	10:30:00 - 10:45:00	0.079	0.123	0.098	0.072	8808.5	0.03
REI CAMP 3	7/26/2023	10:45:00 - 11:00:00	0.078	0.123	0.096	0.069	9708.5	0.033
REI CAMP 3	7/26/2023	11:00:00 - 11:15:00	0.077	0.123	0.095	0.069	10608.383	0.035
REI CAMP 3	7/26/2023	11:15:00 - 11:30:00	0.073	0.123	0.093	0.065	11508	0.037
REI CAMP 3	7/26/2023	11:30:00 - 11:45:00	0.068	0.123	0.092	0.061	12407.767	0.039
REI CAMP 3	7/26/2023	11:45:00 - 12:00:00	0.062	0.123	0.09	0.059	13307.633	0.042
REI CAMP 3	7/26/2023	12:00:00 - 12:15:00	0.058	0.123	0.088	0.054	14207.5	0.043
REI CAMP 3	7/26/2023	12:15:00 - 12:30:00	0.055	0.123	0.086	0.051	15107.5	0.045
REI CAMP 3	7/26/2023	12:30:00 - 12:45:00	0.05	0.123	0.084	0.047	16007.5	0.047
REI CAMP 3	7/26/2023	12:45:00 - 13:00:00	0.042	0.123	0.082	0.039	16907.5	0.048
REI CAMP 3	7/26/2023	13:00:00 - 13:15:00	0.031	0.123	0.08	0.028	17808.383	0.049
REI CAMP 3	7/26/2023	13:15:00 - 13:30:00	0.021	0.123	0.077	0.018	18717.333	0.05
REI CAMP 3	7/26/2023	13:30:00 - 13:45:00	0.018	0.123	0.075	0.013	19617.5	0.051
REI CAMP 3	7/26/2023	13:45:00 - 14:00:00	0.012	0.123	0.072	0.011	20517.5	0.051
REI CAMP 3	7/26/2023	14:00:00 - 14:15:00	0.008	0.123	0.069	0.006	21417.167	0.052
REI CAMP 3	7/26/2023	14:15:00 - 14:30:00	0.01	0.123	0.067	0.006	22316.5	0.052
REI CAMP 3	7/26/2023	14:30:00 - 14:45:00	0.015	0.123	0.065	0.006	23216.5	0.052
REI CAMP 3	7/26/2023	14:45:00 - 15:00:00	0.017	0.123	0.063	0.006	24116.517	0.053
REI CAMP 3	7/26/2023	15:00:00 - 15:15:00	0.014	0.123	0.061	0.006	25016.5	0.053
REI CAMP 3	7/26/2023	15:15:00 - 15:30:00	0.013	0.123	0.06	0.006	25916.5	0.054
REI CAMP 3	7/26/2023	15:30:00 - 15:45:00	0.01	0.123	0.058	0.006	26816.917	0.054
REI CAMP 3	7/26/2023	15:45:00 - 16:00:00	0.009	0.123	0.056	0.006	27717.5	0.054
REI CAMP 3	7/26/2023	16:00:00 - 16:15:00	0.008	0.123	0.055	0.005	28617.217	0.055
REI CAMP 3	7/26/2023	16:15:00 - 16:30:00	0.009	0.123	0.054	0.004	29516.5	0.055
REI CAMP 3	7/26/2023	16:30:00 - 16:45:00	0.008	0.123	0.052	0.004	30416.5	0.055
REI CAMP 3	7/26/2023	16:45:00 - 17:00:00	0.01	0.123	0.051	0.004	31316.5	0.055
REI CAMP 3	7/26/2023	17:00:00 - 17:15:00	0.009	0.123	0.05	0.003	32216.5	0.055
REI CAMP 3	7/26/2023	17:15:00 - 17:30:00	0.01	0.123	0.049	0.003	33116.5	0.055
REI CAMP 3	7/26/2023	17:30:00 - 17:45:00	0.01	0.123	0.048	0.003	33624.875	0.055
REI CAMP 3	7/27/2023	08:00:00 - 08:15:00	0.057	0.063	0.056	0.035	356.246	0
REI CAMP 3	7/27/2023	08:15:00 - 08:30:00	0.059	0.071	0.062	0.038	1230.5	0.002
REI CAMP 3	7/27/2023	08:30:00 - 08:45:00	0.054	0.071	0.059	0.038	2130.5	0.004
REI CAMP 3	7/27/2023	08:45:00 - 09:00:00	0.052	0.071	0.057	0.038	3030.5	0.006
REI CAMP 3	7/27/2023	09:00:00 - 09:15:00	0.053	0.071	0.056	0.038	3930.45	0.008
REI CAMP 3	7/27/2023	09:15:00 - 09:30:00	0.048	0.071	0.055	0.038	4830.2	0.009
REI CAMP 3	7/27/2023	09:30:00 - 09:45:00	0.047	0.071	0.054	0.038	5730.233	0.011
REI CAMP 3	7/27/2023	09:45:00 - 10:00:00	0.04	0.071	0.053	0.036	6630.05	0.012
REI CAMP 3	7/27/2023	10:00:00 - 10:15:00	0.042	0.071	0.051	0.035	7529.567	0.013
REI CAMP 3	7/27/2023	10:15:00 - 10:30:00	0.044	0.071	0.05	0.035	8429.5	0.015
REI CAMP 3	7/27/2023	10:30:00 - 10:45:00	0.043	0.071	0.05	0.035	9329.5	0.016
REI CAMP 3	7/27/2023	10:45:00 - 11:00:00	0.038	0.071	0.049	0.034	10229.983	0.017
REI CAMP 3	7/27/2023	11:00:00 - 11:15:00	0.031	0.071	0.048	0.028	11130.5	0.018
REI CAMP 3	7/27/2023	11:15:00 - 11:30:00	0.025	0.071	0.046	0.024	12030.45	0.019
REI CAMP 3	7/27/2023	11:30:00 - 11:45:00	0.022	0.071	0.045	0.02	12930.317	0.02
REI CAMP 3	7/27/2023	11:45:00 - 12:00:00	0.019	0.071	0.043	0.017	13830.067	0.021
REI CAMP 3	7/27/2023	12:00:00 - 12:15:00	0.017	0.071	0.042	0.015	14729.567	0.021
REI CAMP 3	7/27/2023	12:15:00 - 12:30:00	0.017	0.071	0.04	0.014	15629.5	0.022
REI CAMP 3	7/27/2023	12:30:00 - 12:45:00	0.017	0.071	0.039	0.014	16529.5	0.022
REI CAMP 3	7/27/2023	12:45:00 - 13:00:00	0.017	0.071	0.038	0.014	17429.5	0.023
REI CAMP 3	7/27/2023	13:00:00 - 13:15:00	0.016	0.071	0.037	0.014	18330.35	0.023
REI CAMP 3	7/27/2023	13:15:00 - 13:30:00	0.016	0.071	0.036	0.014	19230.217	0.024
REI CAMP 3	7/27/2023	13:30:00 - 13:45:00	0.015	0.071	0.035	0.013	20130.133	0.024
REI CAMP 3	7/27/2023	13:45:00 - 14:00:00	0.016	0.071	0.034	0.013	21029.95	0.025
REI CAMP 3	7/27/2023	14:00:00 - 14:15:00	0.017	0.071	0.033	0.013	21929.533	0.025
REI CAMP 3	7/27/2023	14:15:00 - 14:30:00	0.019	0.071	0.033	0.013	22829.5	0.026
REI CAMP 3	7/27/2023	14:30:00 - 14:45:00	0.019	0.071	0.032	0.013	23729.5	0.027
REI CAMP 3	7/27/2023	14:45:00 - 15:00:00	0.017	0.071	0.032	0.013	24629.5	0.027
REI CAMP 3	7/27/2023	15:00:00 - 15:15:00	0.018	0.071	0.031	0.013	25529.267	0.028
REI CAMP 3	7/27/2023	15:15:00 - 15:30:00	0.016	0.071	0.031	0.013	26429.1	0.028
REI CAMP 3	7/27/2023	15:30:00 - 15:45:00	0.015	0.071	0.03	0.013	27328.95	0.029
REI CAMP 3	7/27/2023	15:45:00 - 16:00:00	0.015	0.071	0.03	0.013	28228.8	0.029
REI CAMP 3	7/27/2023	16:00:00 - 16:15:00	0.015	0.071	0.029	0.013	29129.4	0.029
REI CAMP 3	7/27/2023	16:15:00 - 16:30:00	0.013	0.071	0.029	0.01	30029.5	0.029
REI CAMP 3	7/27/2023	16:30:00 - 16:45:00	0.012	0.071	0.028	0.01	30929.5	0.029
REI CAMP 3	7/27/2023	16:45:00 - 17:00:00	0.012	0.071	0.028	0.009	31829.5	0.029
REI CAMP 3	7/27/2023	17:00:00 - 17:15:00	0.012	0.071	0.027	0.009	32699.268	0.029

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	6/26/2023	14:30:00 - 14:45:00	0.952	316.61	20.204	68.957	965.396	0	0	0	12.287
REI Met Station	6/26/2023	14:45:00 - 15:00:00	1.188	7.151	20.077	68.7	965.472	0	0	0	12.42
REI Met Station	6/26/2023	15:00:00 - 15:15:00	0.983	15.236	19.543	70.167	965.717	0	0	0	12.267
REI Met Station	6/26/2023	15:15:00 - 15:30:00	0.978	347.941	19.237	70.65	965.905	0	0	0	12.282
REI Met Station	6/26/2023	15:30:00 - 15:45:00	1.108	341.173	18.995	70.95	966.108	0	0	0	12.35
REI Met Station	6/26/2023	15:45:00 - 16:00:00	0.991	332.3	19.458	70.3	966.232	0	0	0.033	12.465
REI Met Station	6/26/2023	16:00:00 - 16:15:00	0.844	326.743	19.642	69.017	966.243	0	0	0	12.437
REI Met Station	6/26/2023	16:15:00 - 16:30:00	0.684	334.596	19.858	67.617	966.26	0	0	0	12.432
REI Met Station	6/26/2023	16:30:00 - 16:45:00	1.078	357.439	20.175	67.15	966.268	0	0	0	12.532
REI Met Station	6/26/2023	16:45:00 - 17:00:00	1.138	2.476	20.788	65.55	966.25	0	0	0	12.602
REI Met Station	6/26/2023	17:00:00 - 17:15:00	0.825	356.34	21.06	64.65	966.115	0	0	0	12.488
REI Met Station	6/26/2023	17:15:00 - 17:30:00	1.11	5.954	21.202	64.733	966.13	0	0	0	12.44
REI Met Station	6/26/2023	17:30:00 - 17:45:00	1.319	347.481	21.212	63.767	966.197	0	0	0	12.428
REI Met Station	6/26/2023	17:45:00 - 18:00:00	1.155	358.585	21.382	62.833	966.295	0	0	0	12.415
REI Met Station	6/26/2023	18:00:00 - 18:15:00	1.036	12.461	20.69	63.45	966.565	0	0	0	12.345
REI Met Station	6/26/2023	18:15:00 - 18:30:00	0.884	20.023	20.373	64.169	966.871	0	0	0	12.253
REI Met Station	6/26/2023	18:30:00 - 18:45:00	1.004	15.475	20.138	64.883	966.968	0	0	0	12.2
REI Met Station	6/26/2023	18:45:00 - 19:00:00	1.045	4.35	19.857	66.25	967.172	0	0	0	12.168
REI Met Station	6/26/2023	19:00:00 - 19:15:00	1.174	4.048	19.843	65.267	967.33	0	0	0	12.19
REI Met Station	6/26/2023	19:15:00 - 19:30:00	1.064	356.782	19.828	65.417	967.385	0	0	0.083	12.183
REI Met Station	6/26/2023	19:30:00 - 19:45:00	1.131	0.956	19.805	65.583	967.415	0	0	0	12.147
REI Met Station	6/26/2023	19:45:00 - 20:00:00	1.288	24.284	19.665	65.65	967.483	0	0	0	12.1
REI Met Station	6/26/2023	20:00:00 - 20:15:00	1.292	16.076	19.428	65.233	967.622	0	0	0	12.098
REI Met Station	6/26/2023	20:15:00 - 20:30:00	1.152	10.495	19.233	65.733	967.78	0	0	0	12.018
REI Met Station	6/26/2023	20:30:00 - 20:45:00	1.48	5.063	18.903	65.4	967.858	0	0	0	12
REI Met Station	6/26/2023	20:45:00 - 21:00:00	0.88	13.344	18.59	66.667	967.795	0	0	0	12
REI Met Station	6/26/2023	21:00:00 - 21:15:00	0.996	8.573	18.323	67.767	967.888	0	0	0	12
REI Met Station	6/26/2023	21:15:00 - 21:30:00	0.629	16.144	18.055	68.867	967.932	0	0	0	12
REI Met Station	6/26/2023	21:30:00 - 21:45:00	0.688	6.55	17.753	69.967	967.997	0	0	0	11.995
REI Met Station	6/26/2023	21:45:00 - 22:00:00	0.872	9.674	17.697	70.4	968.055	0	0	0	11.935
REI Met Station	6/26/2023	22:00:00 - 22:15:00	0.778	349.452	17.432	71.017	968.212	0	0	0	11.9
REI Met Station	6/26/2023	22:15:00 - 22:30:00	1.015	0.991	17.27	70.967	968.345	0	0	0.067	11.9
REI Met Station	6/26/2023	22:30:00 - 22:45:00	0.695	20.057	17.047	70.917	968.605	0	0	0	11.9
REI Met Station	6/26/2023	22:45:00 - 23:00:00	0.692	15.708	16.832	69.7	968.855	0	0	0.15	11.9
REI Met Station	6/26/2023	23:00:00 - 23:15:00	0.884	50.776	16.613	69.017	968.937	0	0	0	11.9
REI Met Station	6/26/2023	23:15:00 - 23:30:00	1.109	20.992	16.383	69.167	968.933	0	0	0.067	11.9
REI Met Station	6/26/2023	23:30:00 - 23:45:00	0.965	35.418	16.108	69.9	969.045	0	0	0	11.898
REI Met Station	6/26/2023	23:45:00 - 00:00:00	0.777	26.138	15.777	70.833	968.982	0	0	0	11.9
REI Met Station	6/27/2023	00:00:00 - 00:15:00	0.244	347.075	15.473	71.917	969.302	0	0	0	11.9
REI Met Station	6/27/2023	00:15:00 - 00:30:00	0.211	38.823	15.1	73.733	969.46	0	0	0	11.887
REI Met Station	6/27/2023	00:30:00 - 00:45:00	0.447	70.777	15.047	74.433	969.458	0	0	0	11.853
REI Met Station	6/27/2023	00:45:00 - 01:00:00	0.649	52.239	14.97	75.233	969.492	0	0	0	11.8
REI Met Station	6/27/2023	01:00:00 - 01:15:00	0.166	100.678	14.733	76.433	969.533	0	0	0	11.8
REI Met Station	6/27/2023	01:15:00 - 01:30:00	0.315	231.012	14.33	76.817	969.632	0	0	0	11.8
REI Met Station	6/27/2023	01:30:00 - 01:45:00	0.399	228.578	14.037	77.667	969.802	0	0	0	11.8
REI Met Station	6/27/2023	01:45:00 - 02:00:00	0.235	210.962	13.832	78.75	969.877	0	0	0	11.8
REI Met Station	6/27/2023	02:00:00 - 02:15:00	0.291	219.071	13.573	79.583	969.965	0	0	0	11.8
REI Met Station	6/27/2023	02:15:00 - 02:30:00	0.306	224.678	13.448	80.267	969.987	0	0	0.133	11.795
REI Met Station	6/27/2023	02:30:00 - 02:45:00	0.262	201.72	13.362	80.5	969.922	0	0	0	11.788
REI Met Station	6/27/2023	02:45:00 - 03:00:00	0.148	202.058	13.213	81.3	970.012	0	0	0.067	11.772
REI Met Station	6/27/2023	03:00:00 - 03:15:00	0.228	224.069	13.128	82	970.05	0	0	0.15	11.725
REI Met Station	6/27/2023	03:15:00 - 03:30:00	0.217	241.219	12.987	82.3	970.15	0	0	0	11.7
REI Met Station	6/27/2023	03:30:00 - 03:45:00	0.168	175.55	12.845	82.783	970.263	0	0	0	11.7
REI Met Station	6/27/2023	03:45:00 - 04:00:00	0.416	222.345	12.683	83.567	970.387	0	0	0	11.7
REI Met Station	6/27/2023	04:00:00 - 04:15:00	0.353	228.795	12.552	84.2	970.485	0	0	0	11.7
REI Met Station	6/27/2023	04:15:00 - 04:30:00	0.16	257.868	12.483	84.817	970.485	0	0	0	11.7
REI Met Station	6/27/2023	04:30:00 - 04:45:00	0.38	226.061	12.508	85.25	970.295	0	0	0	11.7
REI Met Station	6/27/2023	04:45:00 - 05:00:00	0.251	183.972	12.358	85.25	970.308	0	0	0	11.7
REI Met Station	6/27/2023	05:00:00 - 05:15:00	0.335	217.606	12.235	86.367	970.498	0	0	0	11.7
REI Met Station	6/27/2023	05:15:00 - 05:30:00	0.311	57.703	12.47	87.35	970.438	0	0	0	11.698
REI Met Station	6/27/2023	05:30:00 - 05:45:00	0.343	46.728	12.843	87	970.435	0	0	0.083	11.695
REI Met Station	6/27/2023	05:45:00 - 06:00:00	0.324	222.414	12.647	86.4	970.717	0	0	0.067	11.697
REI Met Station	6/27/2023	06:00:00 - 06:15:00	0.125	217.486	12.518	86.167	970.895	0	0	0.083	11.693
REI Met Station	6/27/2023	06:15:00 - 06:30:00	0.256	250.484	12.4	86.8	970.928	0	0	0	11.7
REI Met Station	6/27/2023	06:30:00 - 06:45:00	0.221	232.664	12.362	87	971.06	0	0	0	11.7
REI Met Station	6/27/2023	06:45:00 - 07:00:00	0.082	277.929	12.3	87.133	971.12	0	0	0	11.7
REI Met Station	6/27/2023	07:00:00 - 07:15:00	0.62	21.681	12.638	88	971.01	0	0	0	11.7
REI Met Station	6/27/2023	07:15:00 - 07:30:00	0.629	349.669	12.88	86.967	971.042	0	0	0	11.7
REI Met Station	6/27/2023	07:30:00 - 07:45:00	0.421	6.059	13.115	86	971.237	0	0	0	11.7
REI Met Station	6/27/2023	07:45:00 - 08:00:00	0.391	29.595	13.547	84.65	971.41	0	0	0	11.7
REI Met Station	6/27/2023	08:00:00 - 08:15:00	0.641	47.599	14.01	82.867	971.587	0	0	0	11.788
REI Met Station	6/27/2023	08:15:00 - 08:30:00	0.591	7.803	14.373	81.333	971.525	0	0	0	11.8
REI Met Station	6/27/2023	08:30:00 - 08:45:00	0.643	23.248	14.827	79.367	971.663	0	0	0	11.873
REI Met Station	6/27/2023	08:45:00 - 09:00:00	0.662	29.67	15.612	77.033	971.825	0	0	0	11.97
REI Met Station	6/27/2023	09:00:00 - 09:15:00	0.669	32.965	16.027	74.967	971.965	0	0	0	12.08
REI Met Station	6/27/2023	09:15:00 - 09:30:00	0.487	28.791	16.593	73.45	972.308	0	0	0.017	12.217
REI Met Station	6/27/2023	09:30:00 - 09:45:00	0.587	64.526	17.768	70.433	972.31	0	0	0.1	12.315
REI Met Station	6/27/2023	09:45:00 - 10:00:00	0.649	28.003	18.067	67.783	972.105	0	0	0	12.397
REI Met Station	6/27/2023	10:00:00 - 10:15:00	0.708	26.418	18.253	67.783	972.075	0	0	0	12.425
REI Met Station	6/27/2023	10:15:00 - 10:30:00	0.85	37.1	18.6	66.433	971.807	0	0	0	12.5
REI Met Station	6/27/2023	10:30:00 - 10:45:00	0.981	12.12	19.055	65.1	971.753	0	0	0	12.5
REI Met Station	6/27/2023	10:45:00 - 11:00:00	0.789	19.286	19.833	62.883	972.098	0	0	0	12.563
REI Met Station	6/27/2023	11:00:00 - 11:15:00	0.605	67.334	20.528	60.917	972.008	0	0	0	12.602
REI Met Station	6/27/2023	11:15:00 - 11:30:00	0.867	30.893	21.072	58.433	971.9	0	0	0	12.72
REI Met Station	6/27/2023	11:30:00 - 11:45:00	0.92	8.693	21.193	57.983	971.735	0	0	0	12.843
REI Met Station	6/27/2023	11:45:00 - 12:00:00	0.932	19.526	21.552	56.617	971.72	0	0	0	13
REI Met Station	6/27/2023	12:00:00 - 12:15:00	0.945	354.335	22.408	54.65	971.528	0	0	0	12.952
REI Met Station	6/27/2023	12:15:00 - 12:30:00	0.523	21.365	22.975	53.133	971.56	0	0	0	12.903
REI Met Station	6/27/2023	12:30:00 - 12:45:00	0.833	352.795	22.808	51.767	971.627	0	0	0.067	12.9
REI Met Station	6/27/2023	12:45:00 - 13:00:00	0.817	13.564	23.527	50.967	971.725	0	0	0.083	12.785

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	6/27/2023	13:00:00 - 13:15:00	0.794	357.425	23.685	50.367	971.623	0	0	0.083	12.643
REI Met Station	6/27/2023	13:15:00 - 13:30:00	0.896	51.132	24.072	50.2	971.54	0	0	0	12.623
REI Met Station	6/27/2023	13:30:00 - 13:45:00	0.547	28.819	24.365	48.583	971.502	0	0	0	12.347
REI Met Station	6/27/2023	13:45:00 - 14:00:00	0.657	53.49	24.628	48.017	971.502	0	0	0	12.3
REI Met Station	6/27/2023	14:00:00 - 14:15:00	0.779	351.382	25.063	46.9	971.507	0	0	0	12.3
REI Met Station	6/27/2023	14:15:00 - 14:30:00	0.81	27.594	25.341	45.831	971.571	0	0	0	12.295
REI Met Station	6/27/2023	14:30:00 - 14:45:00	0.416	346.716	25.661	45.508	971.472	0	0	0	12.289
REI Met Station	6/27/2023	14:45:00 - 15:00:00	0.654	319.964	25.929	45.322	971.525	0	0	0	12.292
REI Met Station	6/27/2023	15:00:00 - 15:15:00	0.771	2.813	26.234	44.213	971.387	0	0	0	12.27
REI Met Station	6/27/2023	15:15:00 - 15:30:00	0.487	55.102	25.91	43.949	971.286	0	0	0	12.295
REI Met Station	6/27/2023	15:30:00 - 15:45:00	0.434	91.847	26.282	43.05	971.172	0	0	0	12.293
REI Met Station	6/27/2023	15:45:00 - 16:00:00	0.875	42.929	26.452	44.533	971.125	0	0	0	12.283
REI Met Station	6/27/2023	16:00:00 - 16:15:00	0.459	285.908	26.978	42.883	971.148	0	0	0.017	12.262
REI Met Station	6/27/2023	16:15:00 - 16:30:00	0.815	57.206	26.157	43.75	971.232	0	0	0.083	12.28
REI Met Station	6/27/2023	16:30:00 - 16:45:00	0.67	44.325	26.645	42.933	971.205	0	0	0.167	12.295
REI Met Station	6/27/2023	16:45:00 - 17:00:00	0.484	87.333	26.717	43.417	971.19	0	0	0.183	12.45
REI Met Station	6/27/2023	17:00:00 - 17:15:00	0.355	297.992	26.562	43.583	971.12	0	0	0	12.382
REI Met Station	6/27/2023	17:15:00 - 17:30:00	0.468	41.416	26.453	43.567	971.265	0	0	0	12.397
REI Met Station	6/27/2023	17:30:00 - 17:45:00	0.626	45.329	26.717	42.6	971.203	0	0	0	12.452
REI Met Station	6/27/2023	17:45:00 - 18:00:00	0.611	13.182	27.702	40.95	971.123	0	0	0	12.5
REI Met Station	6/27/2023	18:00:00 - 18:15:00	0.479	48.524	28.152	39.45	971.097	0	0	0	12.5
REI Met Station	6/27/2023	18:15:00 - 18:30:00	0.551	30.511	28.102	39.583	970.998	0	0	0	12.468
REI Met Station	6/27/2023	18:30:00 - 18:45:00	0.494	17.711	28.153	39.433	970.945	0	0	0	12.438
REI Met Station	6/27/2023	18:45:00 - 19:00:00	0.616	30.498	27.538	39.8	970.865	0	0	0	12.4
REI Met Station	6/27/2023	19:00:00 - 19:15:00	0.311	114.542	27.777	39.967	970.8	0	0	0	12.388
REI Met Station	6/27/2023	19:15:00 - 19:30:00	0.419	357.213	27.428	40.1	970.73	0	0	0.017	12.308
REI Met Station	6/27/2023	19:30:00 - 19:45:00	0.4	5.53	27.41	41.4	970.65	0	0	0	12.21
REI Met Station	6/27/2023	19:45:00 - 20:00:00	0.11	11.783	27.607	41.167	970.615	0	0	0	12.197
REI Met Station	6/27/2023	20:00:00 - 20:15:00	0.249	298.024	26.853	43.017	970.697	0	0	0.15	12.12
REI Met Station	6/27/2023	20:15:00 - 20:30:00	0.263	265.015	26.392	44.267	970.768	0	0	0	12.1
REI Met Station	6/27/2023	20:30:00 - 20:45:00	0.035	221.386	25.47	47.15	970.983	0	0	0	12.1
REI Met Station	6/27/2023	20:45:00 - 21:00:00	0.065	154.042	24.573	50.133	971.102	0	0	0	12.093
REI Met Station	6/27/2023	21:00:00 - 21:15:00	0.166	143.109	23.88	52.417	971.18	0	0	0	12.093
REI Met Station	6/27/2023	21:15:00 - 21:30:00	0.21	126.504	23.313	55.283	971.3	0	0	0	12.045
REI Met Station	6/27/2023	21:30:00 - 21:45:00	0.495	135.447	22.797	57.017	971.31	0	0	0	12
REI Met Station	6/27/2023	21:45:00 - 22:00:00	0.26	81.099	21.99	61.933	971.325	0	0	0	12
REI Met Station	6/27/2023	22:00:00 - 22:15:00	0.22	74.633	20.712	67.417	971.317	0	0	0	12
REI Met Station	6/27/2023	22:15:00 - 22:30:00	0.255	91.296	19.897	68.55	971.298	0	0	0	12
REI Met Station	6/27/2023	22:30:00 - 22:45:00	0.264	59.153	19.565	71.75	971.38	0	0	0.167	12
REI Met Station	6/27/2023	22:45:00 - 23:00:00	0.37	102.025	19.175	73.817	971.487	0	0	0	12
REI Met Station	6/27/2023	23:00:00 - 23:15:00	0.172	85.61	18.758	74.967	971.578	0	0	0	12
REI Met Station	6/27/2023	23:15:00 - 23:30:00	0.27	111.434	18.48	77.217	971.75	0	0	0.067	12
REI Met Station	6/27/2023	23:30:00 - 23:45:00	0.079	71.408	18.232	77.383	971.76	0	0	0	12
REI Met Station	6/27/2023	23:45:00 - 00:00:00	0.55	121.221	18.335	78.317	971.8	0	0	0	12
REI Met Station	6/28/2023	00:00:00 - 00:15:00	0.332	65.579	18.237	78.6	971.928	0	0	0	12
REI Met Station	6/28/2023	00:15:00 - 00:30:00	0.255	83.513	17.74	80.2	971.918	0	0	0	12
REI Met Station	6/28/2023	00:30:00 - 00:45:00	0.196	138.154	17.347	81.817	971.98	0	0	0	11.997
REI Met Station	6/28/2023	00:45:00 - 01:00:00	0.196	105.475	16.968	82.95	972.035	0	0	0	12
REI Met Station	6/28/2023	01:00:00 - 01:15:00	0.303	155.461	16.93	83.333	971.938	0	0	0	11.992
REI Met Station	6/28/2023	01:15:00 - 01:30:00	0.237	122.849	16.772	84.267	971.918	0	0	0	11.972
REI Met Station	6/28/2023	01:30:00 - 01:45:00	0.222	117.936	16.623	85.017	972.047	0	0	0	11.903
REI Met Station	6/28/2023	01:45:00 - 02:00:00	0.422	99.691	16.732	85.717	971.928	0	0	0	11.903
REI Met Station	6/28/2023	02:00:00 - 02:15:00	0.274	108.066	16.56	85.233	971.807	0	0	0	11.9
REI Met Station	6/28/2023	02:15:00 - 02:30:00	0.377	166.46	16.357	86	971.998	0	0	0	11.9
REI Met Station	6/28/2023	02:30:00 - 02:45:00	0.462	135.153	16.313	85.967	972.143	0	0	0	11.9
REI Met Station	6/28/2023	02:45:00 - 03:00:00	0.108	134.378	16.118	86.233	972.212	0	0	0	11.9
REI Met Station	6/28/2023	03:00:00 - 03:15:00	0.339	119.501	16.038	86.933	972.103	0	0	0	11.9
REI Met Station	6/28/2023	03:15:00 - 03:30:00	0.251	153.827	15.692	87.8	972.162	0	0	0	11.9
REI Met Station	6/28/2023	03:30:00 - 03:45:00	0.294	134.879	15.417	88.4	972.115	0	0	0	11.9
REI Met Station	6/28/2023	03:45:00 - 04:00:00	0.42	130.665	15.602	89.25	971.855	0	0	0	11.9
REI Met Station	6/28/2023	04:00:00 - 04:15:00	0.387	191.634	15.728	88.833	971.925	0	0	0	11.9
REI Met Station	6/28/2023	04:15:00 - 04:30:00	0.403	171.446	15.788	87.217	971.827	0	0	0	11.9
REI Met Station	6/28/2023	04:30:00 - 04:45:00	0.45	187.765	15.81	86.583	971.727	0	0	0	11.9
REI Met Station	6/28/2023	04:45:00 - 05:00:00	0.369	191.895	15.878	85.217	971.862	0	0	0	11.9
REI Met Station	6/28/2023	05:00:00 - 05:15:00	0.343	174.056	15.57	85.667	972.032	0	0	0	11.9
REI Met Station	6/28/2023	05:15:00 - 05:30:00	0.513	151.402	15.487	86	972.162	0	0	0.2	11.897
REI Met Station	6/28/2023	05:30:00 - 05:45:00	0.322	149.515	15.203	86.567	972.162	0	0	0.117	11.9
REI Met Station	6/28/2023	05:45:00 - 06:00:00	0.415	181.762	15.192	87.15	972.248	0	0	0	11.898
REI Met Station	6/28/2023	06:00:00 - 06:15:00	0.478	132.023	15.2	87.4	972.488	0	0	0	11.9
REI Met Station	6/28/2023	06:15:00 - 06:30:00	0.293	176.004	15.352	87.05	972.492	0	0	0	11.9
REI Met Station	6/28/2023	06:30:00 - 06:45:00	0.373	156.232	15.613	86.783	972.623	0	0	0	11.9
REI Met Station	6/28/2023	06:45:00 - 07:00:00	0.316	161.541	15.983	85.433	972.798	0	0	0	11.9
REI Met Station	6/28/2023	07:00:00 - 07:15:00	0.36	179.411	16.1	84.583	972.927	0	0	0	11.89
REI Met Station	6/28/2023	07:15:00 - 07:30:00	0.406	130.852	16.1	84	972.947	0	0	0	11.898
REI Met Station	6/28/2023	07:30:00 - 07:45:00	0.538	128.547	16.185	84	972.877	0	0	0	11.9
REI Met Station	6/28/2023	07:45:00 - 08:00:00	0.5	147.753	16.362	83	972.822	0	0	0	11.895
REI Met Station	6/28/2023	08:00:00 - 08:15:00	0.462	155.092	16.747	82.55	972.895	0	0	0	11.9
REI Met Station	6/28/2023	08:15:00 - 08:30:00	0.672	135.407	17.018	81.1	972.897	0	0	0.017	11.905
REI Met Station	6/28/2023	08:30:00 - 08:45:00	0.51	137.68	17.475	79.75	972.84	0	0	0	11.935
REI Met Station	6/28/2023	08:45:00 - 09:00:00	0.478	142.316	17.977	78.733	972.648	0	0	0	11.997
REI Met Station	6/28/2023	09:00:00 - 09:15:00	0.436	141.414	18.332	76.383	972.693	0	0	0	12
REI Met Station	6/28/2023	09:15:00 - 09:30:00	0.561	158.455	18.638	75.583	972.715	0	0	0	12.057
REI Met Station	6/28/2023	09:30:00 - 09:45:00	0.785	125.696	19.205	74.15	972.703	0	0	0	12.137
REI Met Station	6/28/2023	09:45:00 - 10:00:00	0.358	158.46	19.442	74.067	972.675	0	0	0	12.1
REI Met Station	6/28/2023	10:00:00 - 10:15:00	0.486	125.565	19.597	73.3	972.458	0	0	0	12.062
REI Met Station	6/28/2023	10:15:00 - 10:30:00	0.119	170.878	19.575	73.55	972.358	0	0	0	12
REI Met Station	6/28/2023	10:30:00 - 10:45:00	0.385	147.637	19.6	73.9	972.35	0	0	0	12
REI Met Station	6/28/2023	10:45:00 - 11:00:00	0.292	117.667	19.867	74.05	972.475	0	0	0	12
REI Met Station	6/28/2023	11:00:00 - 11:15:00	0.594	113.123	20.23	71.733	972.505	0	0	0	12.085
REI Met Station	6/28/2023	11:15:00 - 11:30:00	0.228	103.233	20.97	69.817	972.607	0	0	0	12.227

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	6/28/2023	11:30:00 - 11:45:00	0.19	67.531	21.688	69.217	972.66	0	0	0	12.3
REI Met Station	6/28/2023	11:45:00 - 12:00:00	0.087	347.789	22.208	67.183	972.562	0	0	0.183	12.237
REI Met Station	6/28/2023	12:00:00 - 12:15:00	0.448	122.713	21.978	67.733	972.445	0	0	0	12.2
REI Met Station	6/28/2023	12:15:00 - 12:30:00	0.636	96.554	21.977	68.017	972.32	0	0	0	12.2
REI Met Station	6/28/2023	12:30:00 - 12:45:00	0.514	98.032	22.39	67.203	972.173	0	0	0	12.334
REI Met Station	6/28/2023	12:45:00 - 13:00:00	0.739	125.568	23.247	63.15	972.112	0	0	0	12.4
REI Met Station	6/28/2023	13:00:00 - 13:15:00	0.505	131.256	23.542	61.733	972.068	0	0	0	12.358
REI Met Station	6/28/2023	13:15:00 - 13:30:00	0.665	128.991	23.272	61.05	972.088	0	0	0	12.3
REI Met Station	6/28/2023	13:30:00 - 13:45:00	0.808	122.487	22.912	61.733	972.043	0	0	0	12.33
REI Met Station	6/28/2023	13:45:00 - 14:00:00	1.198	107.153	23.65	60.417	971.847	0	0	0.15	12.63
REI Met Station	6/28/2023	14:00:00 - 14:15:00	1.174	113.658	24.058	58.483	971.678	0	0	0	12.563
REI Met Station	6/28/2023	14:15:00 - 14:30:00	0.727	117.926	24.5	58.567	971.552	0	0	0	12.587
REI Met Station	6/28/2023	14:30:00 - 14:45:00	0.84	104.675	24.902	57.233	971.432	0	0	0.067	12.622
REI Met Station	6/28/2023	14:45:00 - 15:00:00	0.794	114.862	25.01	57.483	971.292	0	0	0	12.602
REI Met Station	6/28/2023	15:00:00 - 15:15:00	0.588	106.399	26.248	54.9	971.1	0	0	0	12.668
REI Met Station	6/28/2023	15:15:00 - 15:30:00	0.171	53.177	26.338	54.15	970.905	0	53.177	0	12.665
REI Met Station	6/28/2023	15:30:00 - 15:45:00	0.524	107.889	26.405	54.15	970.665	0	0	0	12.665
REI Met Station	6/28/2023	15:45:00 - 16:00:00	0.847	102.225	26.855	52.25	970.402	0	0	0	12.508
REI Met Station	6/28/2023	16:00:00 - 16:15:00	0.644	133.926	27.433	47.667	970.185	0	0	0	12.323
REI Met Station	6/28/2023	16:15:00 - 16:30:00	1.034	123.666	26.663	49.95	969.908	0	0	0	12.387
REI Met Station	6/28/2023	16:30:00 - 16:45:00	0.885	115.151	27.128	47.25	969.712	0	0	0	12.4
REI Met Station	6/28/2023	16:45:00 - 17:00:00	0.592	121.255	27.123	46.617	969.598	0	0	0	12.398
REI Met Station	6/28/2023	17:00:00 - 17:15:00	0.779	129.721	27.093	45.583	969.452	0	0	0	12.395
REI Met Station	6/28/2023	17:15:00 - 17:30:00	0.598	110.661	26.908	46	969.363	0	0	0	12.398
REI Met Station	6/28/2023	17:30:00 - 17:45:00	1.257	119.397	27.088	44.932	969.297	0	0	0	12.4
REI Met Station	6/28/2023	17:45:00 - 18:00:00	0.498	103.333	26.623	46.317	969.273	0	0	0	12.365
REI Met Station	6/28/2023	18:00:00 - 18:15:00	0.294	108.036	26.673	46.783	969.107	0	0	0	12.4
REI Met Station	6/28/2023	18:15:00 - 18:30:00	0.963	124.817	26.975	46.65	969	0	0	0	12.492
REI Met Station	6/28/2023	18:30:00 - 18:45:00	0.653	106.412	26.853	47.7	968.877	0	0	0	12.438
REI Met Station	6/28/2023	18:45:00 - 19:00:00	0.623	123.061	25.992	48.883	968.828	0	0	0	12.3
REI Met Station	6/28/2023	19:00:00 - 19:15:00	0.253	145.658	25.945	48.967	968.83	0	0	0	12.247
REI Met Station	6/28/2023	19:15:00 - 19:30:00	0.428	131.284	25.87	47.567	968.798	0	131.284	0	12.212
REI Met Station	6/28/2023	19:30:00 - 19:45:00	0.497	115.2	25.762	46.767	968.607	0	0	0	12.2
REI Met Station	6/28/2023	19:45:00 - 20:00:00	0.439	107.533	25.437	47.183	968.528	0	0	0	12.165
REI Met Station	6/28/2023	20:00:00 - 20:15:00	0.494	118.399	25.23	47.85	968.567	0	0	0	12.1
REI Met Station	6/28/2023	20:15:00 - 20:30:00	0.452	126.691	25.065	48.05	968.523	0	0	0.1	12.1
REI Met Station	6/28/2023	20:30:00 - 20:45:00	0.523	119.103	24.915	48.583	968.493	0	0	0	12.098
REI Met Station	6/28/2023	20:45:00 - 21:00:00	0.772	128.692	24.778	49.45	968.263	0	0	0	12.097
REI Met Station	6/28/2023	21:00:00 - 21:15:00	0.568	119.931	24.263	50.567	968.228	0	0	0.1	12.063
REI Met Station	6/28/2023	21:15:00 - 21:30:00	0.759	117.209	23.885	51.683	968.205	0	0	0.083	12
REI Met Station	6/28/2023	21:30:00 - 21:45:00	0.435	126.233	23.585	51.8	968.167	0	0	0	12
REI Met Station	6/28/2023	21:45:00 - 22:00:00	0.413	126.684	23.3	52.383	968.123	0	0	0	12
REI Met Station	6/28/2023	22:00:00 - 22:15:00	0.156	101.398	22.81	53.467	968.162	0	0	0	12
REI Met Station	6/28/2023	22:15:00 - 22:30:00	0.386	115.369	22.605	54.067	968.3	0	0	0	12
REI Met Station	6/28/2023	22:30:00 - 22:45:00	0.191	144.969	22.363	54.8	968.418	0	0	0	12
REI Met Station	6/28/2023	22:45:00 - 23:00:00	0.318	128.46	22.168	55.95	968.603	0	0	0	12
REI Met Station	6/28/2023	23:00:00 - 23:15:00	0.365	109.457	22.143	56.067	968.675	0	0	0	12
REI Met Station	6/28/2023	23:15:00 - 23:30:00	0.383	129.741	22.172	54.967	968.69	0	0	0	12
REI Met Station	6/28/2023	23:30:00 - 23:45:00	0.251	90.347	21.992	54.617	968.643	0	0	0	12
REI Met Station	6/28/2023	23:45:00 - 00:00:00	0.265	113.563	21.645	57.65	968.448	0	0	0.067	12
REI Met Station	6/29/2023	00:00:00 - 00:15:00	0.266	118.317	21.402	58.833	968.6	0	0	0	11.997
REI Met Station	6/29/2023	00:15:00 - 00:30:00	0.326	102.96	21.402	58.733	968.953	0	0	0	11.995
REI Met Station	6/29/2023	00:30:00 - 00:45:00	0.232	136.411	21.33	58.533	969.218	0	0	0	11.992
REI Met Station	6/29/2023	00:45:00 - 01:00:00	0.122	127.099	21.13	59.067	969.183	0	0	0	11.997
REI Met Station	6/29/2023	01:00:00 - 01:15:00	0.138	125.406	21	59.267	969.138	0	0	0	11.998
REI Met Station	6/29/2023	01:15:00 - 01:30:00	0.44	96.44	21.068	59.017	969.035	0	0	0	11.995
REI Met Station	6/29/2023	01:30:00 - 01:45:00	0.24	84.27	20.958	59.25	968.952	0	0	0	11.995
REI Met Station	6/29/2023	01:45:00 - 02:00:00	0.843	130.858	20.818	60.55	967.55	0	0	0	11.978
REI Met Station	6/29/2023	02:00:00 - 02:15:00	0.75	339.814	20.675	60.767	967.92	0	0	0	11.95
REI Met Station	6/29/2023	02:15:00 - 02:30:00	0.123	123.407	20.637	62.35	968.495	0	0	0	11.902
REI Met Station	6/29/2023	02:30:00 - 02:45:00	0.195	135.924	20.59	60.45	968.548	0	0	0	11.9
REI Met Station	6/29/2023	02:45:00 - 03:00:00	0.198	180.249	20.53	60.267	968.565	0	0	0	11.9
REI Met Station	6/29/2023	03:00:00 - 03:15:00	0.257	116.934	20.475	60.25	968.448	0	0	0	11.9
REI Met Station	6/29/2023	03:15:00 - 03:30:00	0.05	142.561	20.028	62.467	968.372	0	0	0	11.9
REI Met Station	6/29/2023	03:30:00 - 03:45:00	0.273	179.349	19.54	63.55	968.072	0	0	0.083	11.9
REI Met Station	6/29/2023	03:45:00 - 04:00:00	0.374	205.511	19.253	63.383	967.932	0	0	0	11.9
REI Met Station	6/29/2023	04:00:00 - 04:15:00	0.279	215.479	19.118	63.783	967.928	0	0	0	11.9
REI Met Station	6/29/2023	04:15:00 - 04:30:00	0.327	208.548	18.582	65.583	967.99	0	0	0	11.9
REI Met Station	6/29/2023	04:30:00 - 04:45:00	0.26	183.539	18.412	66.85	968.012	0	0	0	11.898
REI Met Station	6/29/2023	04:45:00 - 05:00:00	0.256	203.627	18.38	67.483	968.017	0	0	0	11.9
REI Met Station	6/29/2023	05:00:00 - 05:15:00	0.279	153.238	18.478	68.117	967.997	0	0	0	11.9
REI Met Station	6/29/2023	05:15:00 - 05:30:00	0.248	140.525	18.27	69.1	967.89	0	0	0	11.9
REI Met Station	6/29/2023	05:30:00 - 05:45:00	0.183	150.312	17.957	71.083	967.765	0	0	0	11.9
REI Met Station	6/29/2023	05:45:00 - 06:00:00	0.418	161.667	18.342	70.883	967.737	0	0	0	11.9
REI Met Station	6/29/2023	06:00:00 - 06:15:00	0.286	138.513	18.315	70.983	967.827	0	0	0	11.898
REI Met Station	6/29/2023	06:15:00 - 06:30:00	0.144	35.067	18.315	71.217	968.093	0	0	0.133	11.888
REI Met Station	6/29/2023	06:30:00 - 06:45:00	0.447	132.117	18.308	72	968.285	0	0	0.083	11.883
REI Met Station	6/29/2023	06:45:00 - 07:00:00	0.591	133.435	18.542	72.35	968.277	0	0	0.083	11.892
REI Met Station	6/29/2023	07:00:00 - 07:15:00	0.366	130.842	18.88	72.75	968.468	0	0	0	11.893
REI Met Station	6/29/2023	07:15:00 - 07:30:00	0.32	133.994	19.305	72.233	968.59	0	0	0	11.897
REI Met Station	6/29/2023	07:30:00 - 07:45:00	0.211	160.116	19.542	71.617	968.677	0	0	0	11.9
REI Met Station	6/29/2023	07:45:00 - 08:00:00	0.511	166.833	19.878	70.317	968.722	0	0	0	11.9
REI Met Station	6/29/2023	08:00:00 - 08:15:00	0.449	167.78	20.45	69.933	968.745	0	0	0	11.933
REI Met Station	6/29/2023	08:15:00 - 08:30:00	0.503	175.396	21.307	68.9	968.797	0	0	0	12
REI Met Station	6/29/2023	08:30:00 - 08:45:00	0.594	174.371	21.542	67.967	968.855	0	0	0	12.06
REI Met Station	6/29/2023	08:45:00 - 09:00:00	0.264	230.992	22.108	68.317	968.977	0	0	0	12.1
REI Met Station	6/29/2023	09:00:00 - 09:15:00	0.769	271.15	22.308	69.117	968.872	0	0	0	12.203
REI Met Station	6/29/2023	09:15:00 - 09:30:00	0.763	242.668	22.102	69.367	968.745	0	0	0	12.258
REI Met Station	6/29/2023	09:30:00 - 09:45:00	0.847	254.257	22.503	67.783	968.813	0	0	0	12.322
REI Met Station	6/29/2023	09:45:00 - 10:00:00	0.752	310.152	22.527	68.383	968.913	0	0	0	12.38

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	6/29/2023	10:00:00 - 10:15:00	0.522	337.966	23.033	66.783	969.047	0	0	0.067	12.467
REI Met Station	6/29/2023	10:15:00 - 10:30:00	0.559	328.73	23.605	65.467	969.122	0	0	0	12.507
REI Met Station	6/29/2023	10:30:00 - 10:45:00	0.6	317.648	23.302	65.65	969.123	0	0	0	12.482
REI Met Station	6/29/2023	10:45:00 - 11:00:00	0.623	315.087	24.187	62.967	969.517	0	0	0	12.578
REI Met Station	6/29/2023	11:00:00 - 11:15:00	0.553	2.729	23.105	65.883	969.587	0	0	0	12.407
REI Met Station	6/29/2023	11:15:00 - 11:30:00	0.615	340.29	23.313	65.333	969.582	0	0	0	12.492
REI Met Station	6/29/2023	11:30:00 - 11:45:00	0.723	309.603	23.49	64.017	969.52	0	0	0	12.623
REI Met Station	6/29/2023	11:45:00 - 12:00:00	0.581	11.866	23.795	63.167	969.752	0	0	0.083	12.685
REI Met Station	6/29/2023	12:00:00 - 12:15:00	0.484	4.943	24.228	61.667	969.65	0	0	0	12.703
REI Met Station	6/29/2023	12:15:00 - 12:30:00	0.814	271.964	24.34	60.733	969.573	0	0	0.083	12.733
REI Met Station	6/29/2023	12:30:00 - 12:45:00	0.596	4.74	24.378	60.2	969.283	0	0	0.133	12.712
REI Met Station	6/29/2023	12:45:00 - 13:00:00	0.694	335.63	24.517	60.033	969.148	0	0	0.083	12.75
REI Met Station	6/29/2023	13:00:00 - 13:15:00	0.34	322.572	25.065	57.95	969.032	0	0	0	12.783
REI Met Station	6/29/2023	13:15:00 - 13:30:00	0.776	23.792	25.307	57.967	969.177	0	0	0	12.72
REI Met Station	6/29/2023	13:30:00 - 13:45:00	0.804	42.749	25.14	58.967	969.103	0	0	0	12.548
REI Met Station	6/29/2023	13:45:00 - 14:00:00	0.547	4.928	25.662	57.717	969.005	0	0	0	12.3
REI Met Station	6/29/2023	14:00:00 - 14:15:00	0.687	16.128	25.798	55.617	968.877	0	0	0	12.292
REI Met Station	6/29/2023	14:15:00 - 14:30:00	0.712	27.899	26.127	55.45	968.642	0	0	0	12.283
REI Met Station	6/29/2023	14:30:00 - 14:45:00	0.736	358.354	26.202	55.017	968.6	0	0	0	12.292
REI Met Station	6/29/2023	14:45:00 - 15:00:00	0.233	24.366	27.012	52.233	968.683	0	0	0	12.227
REI Met Station	6/29/2023	15:00:00 - 15:15:00	0.786	8.965	26.853	51.817	968.77	0	0	0	12.237
REI Met Station	6/29/2023	15:15:00 - 15:30:00	0.625	25.787	27.238	51.1	968.543	0	0	0.1	12.233
REI Met Station	6/29/2023	15:30:00 - 15:45:00	0.537	4.199	27.652	50.317	968.208	0	0	0	12.258
REI Met Station	6/29/2023	15:45:00 - 16:00:00	0.732	45	27.977	49.483	967.968	0	0	0	12.242
REI Met Station	6/29/2023	16:00:00 - 16:15:00	0.774	22.158	28.223	48.567	968	0	0	0	12.2
REI Met Station	6/29/2023	16:15:00 - 16:30:00	0.88	44.145	28.355	49.05	967.997	0	0	0.067	12.2
REI Met Station	6/29/2023	16:30:00 - 16:45:00	0.795	28.991	28.323	48.2	967.927	0	0	0	12.227
REI Met Station	6/29/2023	16:45:00 - 17:00:00	0.712	41.36	28.592	46.8	968.05	0	0	0	12.293
REI Met Station	6/29/2023	17:00:00 - 17:15:00	0.262	179.786	29.34	45.681	968.338	0	0	0	12.257
REI Met Station	6/29/2023	17:15:00 - 17:30:00	0.977	39.135	29.11	44.817	968.497	0	0	0	12.255
REI Met Station	6/29/2023	17:30:00 - 17:45:00	0.523	58.606	29.725	43.883	968.525	0	0	0	12.292
REI Met Station	6/29/2023	17:45:00 - 18:00:00	0.206	151.158	30.302	42.733	968.602	0	0	0	12.257
REI Met Station	6/29/2023	18:00:00 - 18:15:00	0.034	55.178	30.16	42	968.517	0	0	0	12.27
REI Met Station	6/29/2023	18:15:00 - 18:30:00	0.168	193.636	29.882	41.783	968.497	0	0	0	12.295
REI Met Station	6/29/2023	18:30:00 - 18:45:00	0.444	355.287	30.085	42.167	968.48	0	0	0	12.3
REI Met Station	6/29/2023	18:45:00 - 19:00:00	0.234	358.821	29.772	42.167	968.493	0	0	0	12.3
REI Met Station	6/29/2023	19:00:00 - 19:15:00	0.22	296.134	30.145	42.067	968.505	0	0	0	12.3
REI Met Station	6/29/2023	19:15:00 - 19:30:00	0.36	1.442	29.28	43.367	968.55	0	0	0	12.265
REI Met Station	6/29/2023	19:30:00 - 19:45:00	0.653	244.756	29.378	42.117	968.588	0	0	0	12.198
REI Met Station	6/29/2023	19:45:00 - 20:00:00	0.53	4.324	28.797	44.3	968.518	0	0	0.1	12.123
REI Met Station	6/29/2023	20:00:00 - 20:15:00	0.324	188.957	28.755	44.75	968.415	0	0	0.183	12.1
REI Met Station	6/29/2023	20:15:00 - 20:30:00	0.25	246.439	28.658	45.217	968.558	0	0	0	12.1
REI Met Station	6/29/2023	20:30:00 - 20:45:00	0.3	241.455	27.582	48.55	968.617	0	0	0	12.1
REI Met Station	6/29/2023	20:45:00 - 21:00:00	0.234	179.687	26.763	51.8	968.702	0	0	0	12.1
REI Met Station	6/29/2023	21:00:00 - 21:15:00	0.092	267.859	26.08	53.917	968.763	0	0	0	12.09
REI Met Station	6/29/2023	21:15:00 - 21:30:00	0.26	147.632	25.488	56.033	968.782	0	0	0	12.09
REI Met Station	6/29/2023	21:30:00 - 21:45:00	0.281	140.335	24.963	57.917	968.665	0	0	0	12.045
REI Met Station	6/29/2023	21:45:00 - 22:00:00	0.087	82.787	24.247	59.967	968.72	0	0	0	12
REI Met Station	6/29/2023	22:00:00 - 22:15:00	0.234	108.165	23.59	62.333	968.805	0	0	0	12
REI Met Station	6/29/2023	22:15:00 - 22:30:00	0.209	110.794	22.973	65.417	968.907	0	0	0.1	12
REI Met Station	6/29/2023	22:30:00 - 22:45:00	0.148	91.007	22.062	69.75	968.99	0	0	0	12
REI Met Station	6/29/2023	22:45:00 - 23:00:00	0.174	77.342	21.463	72.167	969.017	0	0	0.067	12
REI Met Station	6/29/2023	23:00:00 - 23:15:00	0.138	92.921	20.982	74.95	969.157	0	0	0.133	12
REI Met Station	6/29/2023	23:15:00 - 23:30:00	0.354	108.825	21.058	75.217	969.075	0	0	0.067	12
REI Met Station	6/29/2023	23:30:00 - 23:45:00	0.219	110.378	20.7	77.4	969.082	0	0	0	12
REI Met Station	6/29/2023	23:45:00 - 00:00:00	0.289	58.88	20.502	79.633	969.167	0	0	0	12
REI Met Station	6/30/2023	00:00:00 - 00:15:00	0.121	109.019	20.322	80	969.268	0	0	0	12
REI Met Station	6/30/2023	00:15:00 - 00:30:00	0.243	155.183	19.707	81.167	969.405	0	0	0	11.998
REI Met Station	6/30/2023	00:30:00 - 00:45:00	0.26	83.947	19.787	81.767	969.425	0	0	0	12
REI Met Station	6/30/2023	00:45:00 - 01:00:00	0.269	59.131	19.788	82.75	969.585	0	0	0	12
REI Met Station	6/30/2023	01:00:00 - 01:15:00	0.312	117.759	19.893	82.267	969.563	0	0	0	12
REI Met Station	6/30/2023	01:15:00 - 01:30:00	0.24	106.64	19.612	82.55	969.545	0	0	0	12
REI Met Station	6/30/2023	01:30:00 - 01:45:00	0.232	132.275	19.28	83	969.59	0	0	0	11.983
REI Met Station	6/30/2023	01:45:00 - 02:00:00	0.245	193.447	19.693	80.317	969.663	0	0	0.1	11.985
REI Met Station	6/30/2023	02:00:00 - 02:15:00	0.146	308.991	20.21	77.117	969.75	0	0	0.067	11.955
REI Met Station	6/30/2023	02:15:00 - 02:30:00	0.353	138.721	19.828	78.567	969.875	0	0	0	11.918
REI Met Station	6/30/2023	02:30:00 - 02:45:00	0.195	142.363	19.182	79.633	969.895	0	0	0	11.955
REI Met Station	6/30/2023	02:45:00 - 03:00:00	0.24	136.883	18.645	81.717	969.932	0	0	0	11.9
REI Met Station	6/30/2023	03:00:00 - 03:15:00	0.259	122.698	18.238	83.9	969.945	0	0	0	11.9
REI Met Station	6/30/2023	03:15:00 - 03:30:00	0.213	93.935	17.788	86.3	969.728	0	0	0	11.9
REI Met Station	6/30/2023	03:30:00 - 03:45:00	0.154	130.589	17.455	87.383	969.747	0	0	0	11.9
REI Met Station	6/30/2023	03:45:00 - 04:00:00	0.288	162.36	17.12	88.283	969.715	0	0	0	11.9
REI Met Station	6/30/2023	04:00:00 - 04:15:00	0.312	138.36	16.973	89.417	969.797	0	0	0	11.9
REI Met Station	6/30/2023	04:15:00 - 04:30:00	0.269	121.622	16.678	89.933	969.888	0	0	0	11.9
REI Met Station	6/30/2023	04:30:00 - 04:45:00	0.309	124.07	16.727	90.333	969.995	0	0	0	11.9
REI Met Station	6/30/2023	04:45:00 - 05:00:00	0.199	120.827	16.497	90.65	970.017	0	0	0.067	11.9
REI Met Station	6/30/2023	05:00:00 - 05:15:00	0.572	125.764	16.5	91.017	970.058	0	0	0.083	11.9
REI Met Station	6/30/2023	05:15:00 - 05:30:00	0.558	139.465	16.495	91.1	970.115	0	0	0	11.9
REI Met Station	6/30/2023	05:30:00 - 05:45:00	0.351	138.913	16.185	91	970.287	0	0	0	11.9
REI Met Station	6/30/2023	05:45:00 - 06:00:00	0.466	134.067	16.15	91.817	970.332	0	0	0	11.9
REI Met Station	6/30/2023	06:00:00 - 06:15:00	0.372	137.544	16.147	91.7	970.293	0	0	0	11.9
REI Met Station	6/30/2023	06:15:00 - 06:30:00	0.436	140.535	15.94	91.717	970.345	0	0	0	11.9
REI Met Station	6/30/2023	06:30:00 - 06:45:00	0.497	133.876	16.09	92	970.198	0	0	0	11.898
REI Met Station	6/30/2023	06:45:00 - 07:00:00	0.317	108.962	16.185	92	970.202	0	0	0	11.9
REI Met Station	6/30/2023	07:00:00 - 07:15:00	0.136	30.99	16.402	91.817	970.415	0	0	0	11.9
REI Met Station	6/30/2023	07:15:00 - 07:30:00	0.566	151.807	16.83	90.367	970.59	0	0	0	11.898
REI Met Station	6/30/2023	07:30:00 - 07:45:00	0.207	358.824	17.563	86.717	970.908	0	0	0	11.897
REI Met Station	6/30/2023	07:45:00 - 08:00:00	0.674	340.228	18.507	80.35	970.82	0	0	0	11.9
REI Met Station	6/30/2023	08:00:00 - 08:15:00	0.664	280.392	19.207	76.483	970.977	0	0	0	11.905
REI Met Station	6/30/2023	08:15:00 - 08:30:00	0.372	282.694	20.222	73.467	971.19	0	0	0	11.98

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	6/30/2023	08:30:00 - 08:45:00	0.504	349.876	21.193	70.317	971.415	0	0	0	12.043
REI Met Station	6/30/2023	08:45:00 - 09:00:00	0.546	13.97	21.917	67.1	971.493	0	0	0	12.15
REI Met Station	6/30/2023	09:00:00 - 09:15:00	0.527	307.274	22.472	64.517	971.55	0	0	0	12.27
REI Met Station	6/30/2023	09:15:00 - 09:30:00	0.386	337.206	23.157	63.267	971.61	0	0	0	12.39
REI Met Station	6/30/2023	09:30:00 - 09:45:00	0.314	302.979	23.953	61.283	971.6	0	0	0	12.475
REI Met Station	6/30/2023	09:45:00 - 10:00:00	0.413	23.803	24.353	59.8	971.478	0	0	0	12.525
REI Met Station	6/30/2023	10:00:00 - 10:15:00	0.446	312.335	24.862	57.283	971.503	0	0	0	12.598
REI Met Station	6/30/2023	10:15:00 - 10:30:00	0.375	329.683	24.958	56.917	971.5	0	0	0	12.605
REI Met Station	6/30/2023	10:30:00 - 10:45:00	0.532	327.644	25.878	55.517	971.463	0	0	0	12.697
REI Met Station	6/30/2023	10:45:00 - 11:00:00	0.873	317.077	25.687	54.417	971.395	0	0	0	12.735
REI Met Station	6/30/2023	11:00:00 - 11:15:00	1.011	346.457	25.767	54.117	971.332	0	0	0	12.712
REI Met Station	6/30/2023	11:15:00 - 11:30:00	0.591	349.8	26.35	53.333	971.153	0	0	0.167	12.687
REI Met Station	6/30/2023	11:30:00 - 11:45:00	0.593	313.076	26.66	51.217	971.218	0	0	0	12.683
REI Met Station	6/30/2023	11:45:00 - 12:00:00	0.681	326.018	27.127	49.783	971.22	0	0	0	12.722
REI Met Station	6/30/2023	12:00:00 - 12:15:00	0.497	280.894	27.32	48.25	971.143	0	0	0	12.637
REI Met Station	6/30/2023	12:15:00 - 12:30:00	0.727	307.133	27.418	47.15	971.042	0	0	0	12.658
REI Met Station	6/30/2023	12:30:00 - 12:45:00	0.578	281.801	27.272	47.917	971.033	0	0	0	12.635
REI Met Station	6/30/2023	12:45:00 - 13:00:00	0.723	346.227	27.482	46.517	971.068	0	0	0	12.313
REI Met Station	6/30/2023	13:00:00 - 13:15:00	1.072	16.161	27.378	46.817	971.017	0	0	0	12.293
REI Met Station	6/30/2023	13:15:00 - 13:30:00	0.724	281.555	28.475	44.3	971.022	0	0	0	12.283
REI Met Station	6/30/2023	13:30:00 - 13:45:00	0.266	258.724	28.818	43.2	970.995	0	0	0	12.205
REI Met Station	6/30/2023	13:45:00 - 14:00:00	0.456	299.959	27.087	45.517	971.013	0	0	0.067	12.293
REI Met Station	6/30/2023	14:00:00 - 14:15:00	0.336	310.822	27.437	45.383	970.975	0	0	0.083	12.605
REI Met Station	6/30/2023	14:15:00 - 14:30:00	0.679	262.81	27.962	45.167	970.935	0	0	0.083	12.575
REI Met Station	6/30/2023	14:30:00 - 14:45:00	0.89	262.336	28.662	44.25	970.917	0	0	0.15	12.668
REI Met Station	6/30/2023	14:45:00 - 15:00:00	0.721	290.434	29.175	42.6	970.882	0	0	0	12.562
REI Met Station	6/30/2023	15:00:00 - 15:15:00	0.444	285.816	28.11	43.983	970.718	0	0	0	12.5
REI Met Station	6/30/2023	15:15:00 - 15:30:00	0.446	263.337	29.028	41.6	970.482	0	0	0	12.62
REI Met Station	6/30/2023	15:30:00 - 15:45:00	0.731	229.813	29.985	40.183	970.362	0	0	0	12.577
REI Met Station	6/30/2023	15:45:00 - 16:00:00	0.471	215.368	30.502	39.183	970.285	0	0	0	12.5
REI Met Station	6/30/2023	16:00:00 - 16:15:00	0.557	219.001	30.125	39.45	970.247	0	0	0	12.393
REI Met Station	6/30/2023	16:15:00 - 16:30:00	0.444	253.027	30.823	39.35	970.272	0	0	0	12.202
REI Met Station	6/30/2023	16:30:00 - 16:45:00	0.531	294.94	29.923	40.983	970.16	0	0	0	12.248
REI Met Station	6/30/2023	16:45:00 - 17:00:00	0.539	243.303	29.817	39.933	970.005	0	0	0	12.252
REI Met Station	6/30/2023	17:00:00 - 17:15:00	0.591	296.755	28.662	41.733	970.065	0	0	0	12.312
REI Met Station	6/30/2023	17:15:00 - 17:30:00	0.725	347.533	27.875	43.95	970.095	0	0	0.133	12.315
REI Met Station	6/30/2023	17:30:00 - 17:45:00	0.605	320.246	27.93	44.717	970.137	0	0	0.2	12.395
REI Met Station	6/30/2023	17:45:00 - 18:00:00	0.661	260.262	29.15	42.283	970.07	0	0	0.117	12.61
REI Met Station	6/30/2023	18:00:00 - 18:15:00	0.839	269.612	29.507	39.017	970.078	0	0	0	12.628
REI Met Station	6/30/2023	18:15:00 - 18:30:00	0.672	297.979	29.778	39.567	970.032	0	0	0	12.595
REI Met Station	6/30/2023	18:30:00 - 18:45:00	0.827	249.579	29.855	37.9	969.938	0	0	0	12.513
REI Met Station	6/30/2023	18:45:00 - 19:00:00	0.364	278.628	29.05	39.133	969.97	0	0	0	12.373
REI Met Station	6/30/2023	19:00:00 - 19:15:00	0.585	258.277	28.225	41.167	969.932	0	0	0	12.3
REI Met Station	6/30/2023	19:15:00 - 19:30:00	0.485	284.597	28.833	41.283	969.975	0	0	0	12.362
REI Met Station	6/30/2023	19:30:00 - 19:45:00	0.782	307.71	28.367	41.633	969.96	0	0	0	12.228
REI Met Station	6/30/2023	19:45:00 - 20:00:00	0.983	272.668	28.1	41.683	970.125	0	0	0	12.2
REI Met Station	6/30/2023	20:00:00 - 20:15:00	0.563	351.918	27.523	44.733	970.19	0	0	0	12.2
REI Met Station	6/30/2023	20:15:00 - 20:30:00	0.423	331.267	27.132	46.667	970.23	0	0	0	12.185
REI Met Station	6/30/2023	20:30:00 - 20:45:00	0.471	342.445	26.488	48.067	970.422	0	0	0	12.107
REI Met Station	6/30/2023	20:45:00 - 21:00:00	0.744	351.716	26.007	49.767	970.482	0	0	0.067	12.1
REI Met Station	6/30/2023	21:00:00 - 21:15:00	0.46	347.897	25.65	51.283	970.357	0	0	0	12.1
REI Met Station	6/30/2023	21:15:00 - 21:30:00	0.487	12.337	25.277	52.55	970.388	0	0	0	12.1
REI Met Station	6/30/2023	21:30:00 - 21:45:00	0.302	345.829	24.613	54.783	970.397	0	0	0	12.1
REI Met Station	6/30/2023	21:45:00 - 22:00:00	0.221	111.988	23.842	57.433	970.39	0	0	0	12.098
REI Met Station	6/30/2023	22:00:00 - 22:15:00	0.296	70.121	22.987	63.467	970.39	0	0	0	12.097
REI Met Station	6/30/2023	22:15:00 - 22:30:00	0.422	35.994	22.443	65.883	970.53	0	0	0	12.087
REI Met Station	6/30/2023	22:30:00 - 22:45:00	0.309	35.574	21.778	69.25	970.623	0	0	0	12.047
REI Met Station	6/30/2023	22:45:00 - 23:00:00	0.104	147.699	21.247	71.8	970.652	0	0	0	12
REI Met Station	6/30/2023	23:00:00 - 23:15:00	0.222	114.064	20.9	72.783	970.638	0	0	0	12
REI Met Station	6/30/2023	23:15:00 - 23:30:00	0.201	85.1	20.515	74.767	970.687	0	0	0	12
REI Met Station	6/30/2023	23:30:00 - 23:45:00	0.211	110.569	20.052	77.883	970.853	0	0	0	12
REI Met Station	6/30/2023	23:45:00 - 00:00:00	0.249	109.551	19.757	79.75	970.973	0	0	0	12
REI Met Station	7/1/2023	00:00:00 - 00:15:00	0.298	95.166	19.473	81.15	970.948	0	0	0	12
REI Met Station	7/1/2023	00:15:00 - 00:30:00	0.103	92.809	19.095	82.033	970.948	0	0	0	12
REI Met Station	7/1/2023	00:30:00 - 00:45:00	0.277	58.589	19.113	82.367	970.982	0	0	0	12
REI Met Station	7/1/2023	00:45:00 - 01:00:00	0.312	141.411	18.873	83.067	971.043	0	0	0	12
REI Met Station	7/1/2023	01:00:00 - 01:15:00	0.204	120.106	18.728	84.283	971.233	0	0	0	12
REI Met Station	7/1/2023	01:15:00 - 01:30:00	0.228	127.593	18.6	86.15	971.283	0	0	0	12
REI Met Station	7/1/2023	01:30:00 - 01:45:00	0.227	122.528	18.598	87	971.173	0	0	0	12
REI Met Station	7/1/2023	01:45:00 - 02:00:00	0.212	111.874	18.532	87	970.995	0	0	0	12
REI Met Station	7/1/2023	02:00:00 - 02:15:00	0.354	125.104	18.493	86.233	970.808	0	0	0	12
REI Met Station	7/1/2023	02:15:00 - 02:30:00	0.414	172.665	18.415	86	970.735	0	0	0	11.998
REI Met Station	7/1/2023	02:30:00 - 02:45:00	0.156	148.728	18.138	86.05	970.63	0	0	0.033	11.995
REI Met Station	7/1/2023	02:45:00 - 03:00:00	0.133	173.807	17.998	87.367	970.618	0	0	0.05	11.992
REI Met Station	7/1/2023	03:00:00 - 03:15:00	0.27	169.85	18.073	88	970.583	0	0	0.133	11.992
REI Met Station	7/1/2023	03:15:00 - 03:30:00	0.323	162.839	17.885	88	970.425	0	0	0	11.988
REI Met Station	7/1/2023	03:30:00 - 03:45:00	0.024	12.104	17.695	87.783	970.403	0	0	0	11.988
REI Met Station	7/1/2023	03:45:00 - 04:00:00	0.187	98.708	17.713	87.1	970.365	0	0	0	11.987
REI Met Station	7/1/2023	04:00:00 - 04:15:00	0.202	141.748	17.363	87.983	970.345	0	0	0	11.962
REI Met Station	7/1/2023	04:15:00 - 04:30:00	0.155	117.101	17.13	88.633	970.275	0	0	0	11.923
REI Met Station	7/1/2023	04:30:00 - 04:45:00	0.214	160.411	17.118	89.733	969.997	0	0	0	11.9
REI Met Station	7/1/2023	04:45:00 - 05:00:00	0.047	70.802	17.105	90.083	969.96	0	0	0	11.9
REI Met Station	7/1/2023	05:00:00 - 05:15:00	0.073	213.738	17.122	90.15	969.997	0	0	0	11.9
REI Met Station	7/1/2023	05:15:00 - 05:30:00	0.063	346.104	16.802	90.35	970.1	0	0	0	11.9
REI Met Station	7/1/2023	05:30:00 - 05:45:00	0.16	126.785	16.547	90.383	970.11	0	0	0.017	11.9
REI Met Station	7/1/2023	05:45:00 - 06:00:00	0.072	151.981	16.372	91	970.197	0	0	0	11.9
REI Met Station	7/1/2023	06:00:00 - 06:15:00	0.23	158.227	16.248	91	970.183	0	0	0.033	11.9
REI Met Station	7/1/2023	06:15:00 - 06:30:00	0.258	217.16	16.32	91	970.127	0	0	0	11.9
REI Met Station	7/1/2023	06:30:00 - 06:45:00	0.283	153.448	16.4	91	970.278	0	0	0	11.9
REI Met Station	7/1/2023	06:45:00 - 07:00:00	0.3	169.161	16.517	90.233	970.495	0	0	0	11.9

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/1/2023	07:00:00 - 07:15:00	0.339	113.331	16.69	89.517	970.598	0	0	0	11.9
REI Met Station	7/1/2023	07:15:00 - 07:30:00	0.192	131.326	17.13	88.65	970.63	0	0	0	11.9
REI Met Station	7/1/2023	07:30:00 - 07:45:00	0.307	332.09	18.067	85.117	970.403	0	0	0	11.902
REI Met Station	7/1/2023	07:45:00 - 08:00:00	0.525	18.216	19.315	79.283	970.293	0	0	0	11.98
REI Met Station	7/1/2023	08:00:00 - 08:15:00	0.304	27.747	20.528	74.75	970.182	0	0	0	12
REI Met Station	7/1/2023	08:15:00 - 08:30:00	0.565	18.632	21.312	70.75	970.253	0	0	0	12.028
REI Met Station	7/1/2023	08:30:00 - 08:45:00	0.435	75.953	22.338	67.6	970.267	0	0	0	12.117
REI Met Station	7/1/2023	08:45:00 - 09:00:00	0.531	63.7	23.063	64	970.342	0	0	0	12.217
REI Met Station	7/1/2023	09:00:00 - 09:15:00	0.574	72.784	23.432	62.517	970.348	0	0	0.067	12.347
REI Met Station	7/1/2023	09:15:00 - 09:30:00	0.533	83.423	24.123	60.8	970.368	0	0	0.083	12.432
REI Met Station	7/1/2023	09:30:00 - 09:45:00	0.638	29.093	24.565	58.717	970.302	0	0	0	12.533
REI Met Station	7/1/2023	09:45:00 - 10:00:00	0.55	24.354	25.032	58.383	970.288	0	0	0	12.6
REI Met Station	7/1/2023	10:00:00 - 10:15:00	0.64	67.217	25.453	57.7	970.238	0	0	0	12.677
REI Met Station	7/1/2023	10:15:00 - 10:30:00	0.651	21.275	26.168	55.25	970.117	0	0	0	12.698
REI Met Station	7/1/2023	10:30:00 - 10:45:00	0.6	41.916	26.497	54.033	969.873	0	0	0	12.7
REI Met Station	7/1/2023	10:45:00 - 11:00:00	0.497	35.195	27.453	51.05	969.765	0	0	0	12.683
REI Met Station	7/1/2023	11:00:00 - 11:15:00	0.687	21.337	27.395	50	969.728	0	0	0	12.67
REI Met Station	7/1/2023	11:15:00 - 11:30:00	0.394	52.072	27.597	47.567	969.878	0	0	0	12.645
REI Met Station	7/1/2023	11:30:00 - 11:45:00	0.652	37.958	27.673	47.475	969.956	0	0	0	12.6
REI Met Station	7/1/2023	11:45:00 - 12:00:00	0.305	258.212	28.611	44.639	970.033	0	0	0.098	12.59
REI Met Station	7/1/2023	12:00:00 - 12:15:00	0.417	347.575	27.1	46.051	970.134	0	0	0	12.5
REI Met Station	7/1/2023	12:15:00 - 12:30:00	0.275	35.325	27.743	46.867	970.205	0	0	0	12.487
REI Met Station	7/1/2023	12:30:00 - 12:45:00	0.767	43.765	28.417	45.4	970.203	0	0	0.083	12.285
REI Met Station	7/1/2023	12:45:00 - 13:00:00	0.488	34.802	27.803	47.6	970.127	0	0	0	12.292
REI Met Station	7/1/2023	13:00:00 - 13:15:00	0.61	12.091	27.188	49.017	970.098	0	0	0	12.517
REI Met Station	7/1/2023	13:15:00 - 13:30:00	0.782	64.894	28.092	44.567	970.027	0	0	0	12.625
REI Met Station	7/1/2023	13:30:00 - 13:45:00	0.309	17.787	27.488	47.667	970.045	0	0	0	12.573
REI Met Station	7/1/2023	13:45:00 - 14:00:00	0.297	82.502	28.367	44.333	969.883	0	0	0	12.627
REI Met Station	7/1/2023	14:00:00 - 14:15:00	0.856	29.782	28.507	42.833	969.692	0	0	0	12.6
REI Met Station	7/1/2023	14:15:00 - 14:30:00	0.673	55.54	28.582	40.65	969.57	0	0	0	12.6
REI Met Station	7/1/2023	14:30:00 - 14:45:00	0.548	25.253	29.035	38.3	969.433	0	0	0	12.597
REI Met Station	7/1/2023	14:45:00 - 15:00:00	0.646	38.262	29.238	37.05	969.283	0	0	0	12.57
REI Met Station	7/1/2023	15:00:00 - 15:15:00	0.63	44.565	29.235	40.8	969.005	0	0	0	12.492
REI Met Station	7/1/2023	15:15:00 - 15:30:00	0.775	32.953	28.61	42.717	968.88	0	0	0	12.292
REI Met Station	7/1/2023	15:30:00 - 15:45:00	0.692	10.433	29.308	40.683	968.887	0	0	0	12.285
REI Met Station	7/1/2023	15:45:00 - 16:00:00	0.666	32.119	28.737	43.283	968.805	0	0	0.083	12.297
REI Met Station	7/1/2023	16:00:00 - 16:15:00	0.635	38.62	28.667	41	968.658	0	0	0	12.3
REI Met Station	7/1/2023	16:15:00 - 16:30:00	0.214	73.352	29.082	41.267	968.542	0	0	0	12.3
REI Met Station	7/1/2023	16:30:00 - 16:45:00	0.475	8.063	29.015	42.483	968.565	0	0	0	12.3
REI Met Station	7/1/2023	16:45:00 - 17:00:00	0.603	35.244	29.197	42.217	968.583	0	0	0	12.3
REI Met Station	7/1/2023	17:00:00 - 17:15:00	0.58	340.935	28.682	43.35	968.423	0	0	0	12.34
REI Met Station	7/1/2023	17:15:00 - 17:30:00	0.388	12.56	29.005	42.55	968.412	0	0	0	12.36
REI Met Station	7/1/2023	17:30:00 - 17:45:00	0.355	58.347	29.257	41.483	968.293	0	0	0	12.3
REI Met Station	7/1/2023	17:45:00 - 18:00:00	0.618	337.212	29.352	41.183	968.138	0	0	0	12.3
REI Met Station	7/1/2023	18:00:00 - 18:15:00	0.428	6.464	29.902	41.65	967.973	0	0	0	12.3
REI Met Station	7/1/2023	18:15:00 - 18:30:00	0.541	312.801	29.407	40.617	967.75	0	0	0	12.3
REI Met Station	7/1/2023	18:30:00 - 18:45:00	0.58	2.282	28.895	41.383	967.558	0	0	0.067	12.33
REI Met Station	7/1/2023	18:45:00 - 19:00:00	0.539	40.257	28.11	44.85	967.458	0	0	0	12.307
REI Met Station	7/1/2023	19:00:00 - 19:15:00	0.431	29.276	27.558	46.567	967.397	0	0	0	12.258
REI Met Station	7/1/2023	19:15:00 - 19:30:00	0.179	336.489	27.525	47.467	967.498	0	0	0	12.2
REI Met Station	7/1/2023	19:30:00 - 19:45:00	0.268	6.641	27.668	47.9	967.517	0	0	0	12.2
REI Met Station	7/1/2023	19:45:00 - 20:00:00	0.419	22.263	27.958	46	967.532	0	0	0	12.2
REI Met Station	7/1/2023	20:00:00 - 20:15:00	0.258	348.717	27.358	48.15	967.697	0	0	0	12.198
REI Met Station	7/1/2023	20:15:00 - 20:30:00	0.188	326.146	26.691	50.566	967.706	0	0	0	12.177
REI Met Station	7/1/2023	20:30:00 - 20:45:00	0.342	350.613	26.305	50.55	967.807	0	0	0	12.1
REI Met Station	7/1/2023	20:45:00 - 21:00:00	0.282	333.356	25.833	51.317	967.903	0	0	0	12.1
REI Met Station	7/1/2023	21:00:00 - 21:15:00	0.344	351.098	25.552	52.733	967.932	0	0	0	12.1
REI Met Station	7/1/2023	21:15:00 - 21:30:00	0.256	336.599	25.598	54.233	968.002	0	0	0	12.1
REI Met Station	7/1/2023	21:30:00 - 21:45:00	0.303	351.774	25.165	56.767	968.017	0	0	0	12.097
REI Met Station	7/1/2023	21:45:00 - 22:00:00	0.395	309.348	24.793	59.383	968.047	0	0	0	12.077
REI Met Station	7/1/2023	22:00:00 - 22:15:00	0.362	334.727	24.55	60.05	968.117	0	0	0	12.083
REI Met Station	7/1/2023	22:15:00 - 22:30:00	0.28	58.09	24.017	62.667	968.277	0	0	0	12.067
REI Met Station	7/1/2023	22:30:00 - 22:45:00	0.512	82.127	23.905	63.367	968.43	0	0	0	12.04
REI Met Station	7/1/2023	22:45:00 - 23:00:00	0.575	73.957	23.905	63.267	968.575	0	0	0.083	12.003
REI Met Station	7/1/2023	23:00:00 - 23:15:00	0.46	51.221	23.687	64.35	968.648	0	0	0	12
REI Met Station	7/1/2023	23:15:00 - 23:30:00	0.424	45.633	23.38	64.767	968.602	0	0	0	12
REI Met Station	7/1/2023	23:30:00 - 23:45:00	0.34	74.451	23.18	65.267	968.513	0	0	0	12
REI Met Station	7/1/2023	23:45:00 - 00:00:00	0.396	29.196	22.828	67.15	968.505	0	0	0	12
REI Met Station	7/2/2023	00:00:00 - 00:15:00	0.511	31.922	22.393	70.05	968.603	0	0	0	12
REI Met Station	7/2/2023	00:15:00 - 00:30:00	0.813	356.39	22.208	70.217	968.603	0	0	0	12
REI Met Station	7/2/2023	00:30:00 - 00:45:00	0.709	6.488	21.92	70.367	968.647	0	0	0	12
REI Met Station	7/2/2023	00:45:00 - 01:00:00	0.677	4.696	21.597	71.8	968.618	0	0	0	12
REI Met Station	7/2/2023	01:00:00 - 01:15:00	0.761	15.749	21.38	72.233	968.623	0	0	0	12
REI Met Station	7/2/2023	01:15:00 - 01:30:00	0.634	31.938	21.173	72.483	968.632	0	0	0	12
REI Met Station	7/2/2023	01:30:00 - 01:45:00	0.29	43.284	20.787	73.7	968.665	0	0	0.033	11.998
REI Met Station	7/2/2023	01:45:00 - 02:00:00	0.365	86.18	20.587	74.133	968.68	0	0	0	11.998
REI Met Station	7/2/2023	02:00:00 - 02:15:00	0.282	18.449	20.217	75.433	968.518	0	0	0	12
REI Met Station	7/2/2023	02:15:00 - 02:30:00	0.694	9.219	20.193	75.75	968.442	0	0	0	12
REI Met Station	7/2/2023	02:30:00 - 02:45:00	0.298	335.947	19.818	76.667	968.285	0	0	0	12
REI Met Station	7/2/2023	02:45:00 - 03:00:00	0.554	21.117	19.617	78.733	968.242	0	0	0	11.997
REI Met Station	7/2/2023	03:00:00 - 03:15:00	0.554	3.017	19.423	79.45	968.295	0	0	0	11.953
REI Met Station	7/2/2023	03:15:00 - 03:30:00	0.557	29.937	19.167	80.933	968.247	0	0	0	11.987
REI Met Station	7/2/2023	03:30:00 - 03:45:00	0.218	33.409	18.795	81.983	968.257	0	0	0	11.972
REI Met Station	7/2/2023	03:45:00 - 04:00:00	0.157	19.852	18.38	83.033	968.298	0	0	0	11.917
REI Met Station	7/2/2023	04:00:00 - 04:15:00	0.123	48.319	18.115	84	968.317	0	0	0	11.9
REI Met Station	7/2/2023	04:15:00 - 04:30:00	0.229	104.672	17.815	85.1	968.46	0	0	0	11.9
REI Met Station	7/2/2023	04:30:00 - 04:45:00	0.491	94.692	17.843	85.267	968.483	0	0	0	11.9
REI Met Station	7/2/2023	04:45:00 - 05:00:00	0.397	94.617	17.733	85.117	968.442	0	0	0.033	11.9
REI Met Station	7/2/2023	05:00:00 - 05:15:00	0.304	112.915	17.517	85.65	968.477	0	0	0.017	11.9
REI Met Station	7/2/2023	05:15:00 - 05:30:00	0.26	36.746	17.417	86.85	968.44	0	0	0	11.9

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/2/2023	05:30:00 - 05:45:00	0.355	42.404	17.372	86.367	968.507	0	0	0	11.9
REI Met Station	7/2/2023	05:45:00 - 06:00:00	0.424	32.378	17.282	86.333	968.52	0	0	0	11.9
REI Met Station	7/2/2023	06:00:00 - 06:15:00	0.553	51.576	17.147	86.933	968.607	0	0	0	11.9
REI Met Station	7/2/2023	06:15:00 - 06:30:00	0.57	17.41	16.992	87.917	968.668	0	0	0	11.9
REI Met Station	7/2/2023	06:30:00 - 06:45:00	0.352	34.108	16.863	87.183	968.752	0	0	0	11.9
REI Met Station	7/2/2023	06:45:00 - 07:00:00	0.444	6.904	16.95	87	968.742	0	0	0	11.9
REI Met Station	7/2/2023	07:00:00 - 07:15:00	0.581	18.516	17.073	86.2	968.793	0	0	0	11.9
REI Met Station	7/2/2023	07:15:00 - 07:30:00	0.61	31.977	17.205	85.817	968.795	0	0	0	11.9
REI Met Station	7/2/2023	07:30:00 - 07:45:00	0.491	31.117	17.623	84.567	968.8	0	0	0	11.9
REI Met Station	7/2/2023	07:45:00 - 08:00:00	0.531	1.2	18.292	80.9	968.805	0	0	0.067	11.9
REI Met Station	7/2/2023	08:00:00 - 08:15:00	0.478	53.823	18.837	77.217	968.783	0	0	0	11.967
REI Met Station	7/2/2023	08:15:00 - 08:30:00	0.489	25.269	19.792	72.55	968.793	0	0	0	12.032
REI Met Station	7/2/2023	08:30:00 - 08:45:00	0.647	25.318	20.41	68.05	968.733	0	0	0	12.11
REI Met Station	7/2/2023	08:45:00 - 09:00:00	0.568	63.621	21.06	65.917	968.792	0	0	0	12.23
REI Met Station	7/2/2023	09:00:00 - 09:15:00	0.664	83.328	21.577	62.417	968.855	0	0	0	12.337
REI Met Station	7/2/2023	09:15:00 - 09:30:00	0.583	62.395	21.172	62.983	968.9	0	62.395	0	12.342
REI Met Station	7/2/2023	09:30:00 - 09:45:00	0.822	49.931	22.03	60.45	968.892	0	0	0	12.542
REI Met Station	7/2/2023	09:45:00 - 10:00:00	0.944	30.869	22.543	60.517	968.912	0	0	0	12.622
REI Met Station	7/2/2023	10:00:00 - 10:15:00	0.653	21.446	22.572	61.083	969	0	0	0	12.51
REI Met Station	7/2/2023	10:15:00 - 10:30:00	0.979	4.034	22.873	60.133	968.975	0	0	0	12.757
REI Met Station	7/2/2023	10:30:00 - 10:45:00	0.764	37.119	23.42	57.1	968.842	0	0	0	12.83
REI Met Station	7/2/2023	10:45:00 - 11:00:00	0.87	53.816	24.162	54.617	968.893	0	0	0	12.798
REI Met Station	7/2/2023	11:00:00 - 11:15:00	0.885	13.791	24.208	53.483	968.955	0	0	0	12.773
REI Met Station	7/2/2023	11:15:00 - 11:30:00	0.572	56.017	24.595	51.833	968.897	0	56.017	0.033	12.733
REI Met Station	7/2/2023	11:30:00 - 11:45:00	0.951	19.682	24.702	51.133	968.893	0	0	0.15	12.735
REI Met Station	7/2/2023	11:45:00 - 12:00:00	0.593	67.407	24.787	50.583	968.888	0	0	0	12.767
REI Met Station	7/2/2023	12:00:00 - 12:15:00	0.708	38.479	24.633	49.683	968.897	0	0	0.167	12.76
REI Met Station	7/2/2023	12:15:00 - 12:30:00	0.444	64.057	25.567	48.167	968.908	0	0	0.117	12.765
REI Met Station	7/2/2023	12:30:00 - 12:45:00	0.628	15.121	24.887	49.983	968.9	0	15.121	0	12.53
REI Met Station	7/2/2023	12:45:00 - 13:00:00	0.624	27.712	25.433	48.167	968.908	0	0	0	12.343
REI Met Station	7/2/2023	13:00:00 - 13:15:00	0.77	354.074	25.457	47.483	968.968	0	0	0	12.377
REI Met Station	7/2/2023	13:15:00 - 13:30:00	0.724	346.758	26.145	45.15	968.983	0	0	0	12.3
REI Met Station	7/2/2023	13:30:00 - 13:45:00	0.659	18.307	26.713	44.55	968.855	0	0	0	12.258
REI Met Station	7/2/2023	13:45:00 - 14:00:00	0.745	10.823	26.633	44.683	968.802	0	0	0	12.272
REI Met Station	7/2/2023	14:00:00 - 14:15:00	0.564	17.815	26.957	44.733	968.758	0	0	0	12.287
REI Met Station	7/2/2023	14:15:00 - 14:30:00	0.546	324.017	26.777	44.483	968.668	0	0	0	12.3
REI Met Station	7/2/2023	14:30:00 - 14:45:00	1.109	9.824	26.625	44.017	968.55	0	0	0	12.3
REI Met Station	7/2/2023	14:45:00 - 15:00:00	0.556	43.27	27.32	42.367	968.42	0	0	0	12.278
REI Met Station	7/2/2023	15:00:00 - 15:15:00	0.693	13.25	27.165	42.733	968.318	0	0	0	12.288
REI Met Station	7/2/2023	15:15:00 - 15:30:00	0.657	29.991	27.807	41.233	968.273	0	0	0	12.217
REI Met Station	7/2/2023	15:30:00 - 15:45:00	0.817	8.696	27.807	41.267	968.315	0	0	0	12.215
REI Met Station	7/2/2023	15:45:00 - 16:00:00	0.637	3.96	27.86	41.2	968.3	0	0	0.067	12.233
REI Met Station	7/2/2023	16:00:00 - 16:15:00	0.653	7.303	28.252	40.117	968.257	0	0	0	12.262
REI Met Station	7/2/2023	16:15:00 - 16:30:00	0.756	27.259	27.955	40.05	968.22	0	0	0	12.283
REI Met Station	7/2/2023	16:30:00 - 16:45:00	0.433	10.285	27.875	41.583	968.162	0	0	0	12.3
REI Met Station	7/2/2023	16:45:00 - 17:00:00	0.459	350.285	28.745	39.417	968.048	0	0	0	12.298
REI Met Station	7/2/2023	17:00:00 - 17:15:00	1.346	2.318	28.648	39.9	968.022	0	0	0	12.29
REI Met Station	7/2/2023	17:15:00 - 17:30:00	0.668	100.867	27.868	40.383	968.007	0	0	0	12.3
REI Met Station	7/2/2023	17:30:00 - 17:45:00	0.705	66.849	29.333	39.467	967.967	0	0	0	12.3
REI Met Station	7/2/2023	17:45:00 - 18:00:00	0.794	67.518	28.923	39.967	967.987	0	67.518	0	12.295
REI Met Station	7/2/2023	18:00:00 - 18:15:00	0.618	356.305	28.47	39.55	967.845	0	0	0	12.3
REI Met Station	7/2/2023	18:15:00 - 18:30:00	0.632	20.235	28.638	39.3	967.807	0	0	0	12.3
REI Met Station	7/2/2023	18:30:00 - 18:45:00	0.476	25.666	28.805	39.783	967.807	0	25.666	0	12.3
REI Met Station	7/2/2023	18:45:00 - 19:00:00	0.817	28.708	28.858	39.883	967.768	0	0	0	12.3
REI Met Station	7/2/2023	19:00:00 - 19:15:00	1.004	9.861	27.992	41.333	967.877	0	0	0	12.323
REI Met Station	7/2/2023	19:15:00 - 19:30:00	0.793	28.818	26.382	44.533	968.032	0	0	0.083	12.2
REI Met Station	7/2/2023	19:30:00 - 19:45:00	0.621	2.086	27.057	43.867	968.17	0	0	0.083	12.192
REI Met Station	7/2/2023	19:45:00 - 20:00:00	0.734	15.106	27.485	43.017	968.178	0	15.106	0.083	12.188
REI Met Station	7/2/2023	20:00:00 - 20:15:00	0.405	344.92	27.172	44.317	968.32	0	0	0	12.162
REI Met Station	7/2/2023	20:15:00 - 20:30:00	0.322	303.222	25.898	46.517	968.343	0	0	0.133	12.1
REI Met Station	7/2/2023	20:30:00 - 20:45:00	0.106	10.742	25.29	47.983	968.315	0	0	0	12.1
REI Met Station	7/2/2023	20:45:00 - 21:00:00	0.169	50.212	24.988	49.083	968.375	0	0	0	12.1
REI Met Station	7/2/2023	21:00:00 - 21:15:00	0.185	345.612	24.598	52.25	968.31	0	0	0	12.1
REI Met Station	7/2/2023	21:15:00 - 21:30:00	0.208	86.166	23.897	54.2	968.3	0	0	0	12.1
REI Met Station	7/2/2023	21:30:00 - 21:45:00	0.103	111.977	23.252	56.733	968.243	0	0	0	12.098
REI Met Station	7/2/2023	21:45:00 - 22:00:00	0.101	328.435	22.567	59.35	968.242	0	0	0	12.1
REI Met Station	7/2/2023	22:00:00 - 22:15:00	0.153	1.02	21.93	62.1	968.477	0	0	0	12.093
REI Met Station	7/2/2023	22:15:00 - 22:30:00	0.176	70.183	21.432	67.867	968.575	0	0	0	12.033
REI Met Station	7/2/2023	22:30:00 - 22:45:00	0.133	50.206	20.817	70.283	968.743	0	0	0	12
REI Met Station	7/2/2023	22:45:00 - 23:00:00	0.176	88.016	20.043	73.05	968.932	0	0	0.083	12
REI Met Station	7/2/2023	23:00:00 - 23:15:00	0.038	196.724	19.612	75.867	969.098	0	196.724	0.083	12
REI Met Station	7/2/2023	23:15:00 - 23:30:00	0.175	46.517	19.44	78.533	969.185	0	0	0	12
REI Met Station	7/2/2023	23:30:00 - 23:45:00	0.33	73.315	19.493	80.967	969.235	0	0	0	12
REI Met Station	7/2/2023	23:45:00 - 00:00:00	0.254	136.13	19.158	80.983	969.277	0	0	0.267	12
REI Met Station	7/3/2023	00:00:00 - 00:15:00	0.146	108.963	18.522	83.05	969.277	0	0	0	12
REI Met Station	7/3/2023	00:15:00 - 00:30:00	0.202	149.725	18.167	85.467	969.222	0	0	0	12
REI Met Station	7/3/2023	00:30:00 - 00:45:00	0.17	41.542	18.062	86.967	969.315	0	0	0	11.997
REI Met Station	7/3/2023	00:45:00 - 01:00:00	0.312	99.807	17.88	87	969.29	0	0	0	12
REI Met Station	7/3/2023	01:00:00 - 01:15:00	0.262	123.335	17.437	87.617	969.312	0	123.335	0	11.998
REI Met Station	7/3/2023	01:15:00 - 01:30:00	0.431	146.242	17.232	87.883	969.467	0	0	0	12
REI Met Station	7/3/2023	01:30:00 - 01:45:00	0.178	195.042	17.18	84.267	969.445	0	0	0	11.983
REI Met Station	7/3/2023	01:45:00 - 02:00:00	0.231	169.365	16.913	84	969.422	0	0	0	11.972
REI Met Station	7/3/2023	02:00:00 - 02:15:00	0.338	110.989	16.855	85.1	969.47	0	0	0	11.938
REI Met Station	7/3/2023	02:15:00 - 02:30:00	0.402	136.103	16.54	85.083	969.508	0	0	0	11.9
REI Met Station	7/3/2023	02:30:00 - 02:45:00	0.381	130.405	16.192	85.983	969.513	0	0	0	11.9
REI Met Station	7/3/2023	02:45:00 - 03:00:00	0.345	143.319	15.93	87.317	969.577	0	0	0	11.9
REI Met Station	7/3/2023	03:00:00 - 03:15:00	0.185	151.812	15.862	88.233	969.802	0	0	0	11.9
REI Met Station	7/3/2023	03:15:00 - 03:30:00	0.42	119.363	15.858	89.483	969.768	0	0	0	11.9
REI Met Station	7/3/2023	03:30:00 - 03:45:00	0.145	80.467	15.95	90	969.758	0	0	0.133	11.9
REI Met Station	7/3/2023	03:45:00 - 04:00:00	0.211	125.433	15.902	90.117	969.77	0	0	0	11.9

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/3/2023	04:00:00 - 04:15:00	0.18	219.58	15.972	89.833	969.803	0	0	0	11.9
REI Met Station	7/3/2023	04:15:00 - 04:30:00	0.292	160.125	15.555	89.55	969.903	0	0	0	11.9
REI Met Station	7/3/2023	04:30:00 - 04:45:00	0.234	149.978	15.482	90	969.973	0	0	0	11.9
REI Met Station	7/3/2023	04:45:00 - 05:00:00	0.196	148.88	15.468	90.25	969.962	0	0	0	11.9
REI Met Station	7/3/2023	05:00:00 - 05:15:00	0.335	157.455	15.39	91	969.938	0	0	0	11.9
REI Met Station	7/3/2023	05:15:00 - 05:30:00	0.222	152.012	15.282	91	969.93	0	0	0	11.898
REI Met Station	7/3/2023	05:30:00 - 05:45:00	0.567	141.351	15.295	91.567	970.165	0	0	0	11.885
REI Met Station	7/3/2023	05:45:00 - 06:00:00	0.387	156.494	15.135	91.117	970.295	0	0	0	11.842
REI Met Station	7/3/2023	06:00:00 - 06:15:00	0.412	152.695	14.843	91.733	970.487	0	0	0	11.887
REI Met Station	7/3/2023	06:15:00 - 06:30:00	0.429	128.316	14.832	92	970.508	0	0	0	11.88
REI Met Station	7/3/2023	06:30:00 - 06:45:00	0.469	131.214	14.948	92	970.55	0	0	0	11.877
REI Met Station	7/3/2023	06:45:00 - 07:00:00	0.333	137.43	14.958	92	970.532	0	0	0.067	11.883
REI Met Station	7/3/2023	07:00:00 - 07:15:00	0.372	115.845	15.043	92.317	970.597	0	0	0	11.89
REI Met Station	7/3/2023	07:15:00 - 07:30:00	0.347	124.837	15.685	93	970.698	0	0	0	11.897
REI Met Station	7/3/2023	07:30:00 - 07:45:00	0.379	136.076	16.173	93	970.833	0	0	0	11.898
REI Met Station	7/3/2023	07:45:00 - 08:00:00	0.153	215.501	17.037	92.517	970.815	0	0	0	11.9
REI Met Station	7/3/2023	08:00:00 - 08:15:00	0.341	112.492	18.16	88.217	970.853	0	0	0	11.92
REI Met Station	7/3/2023	08:15:00 - 08:30:00	0.144	124.251	19.858	80.033	970.795	0	0	0	11.998
REI Met Station	7/3/2023	08:30:00 - 08:45:00	0.253	122.733	21.31	73.083	970.795	0	0	0	12.065
REI Met Station	7/3/2023	08:45:00 - 09:00:00	0.417	83.945	22.29	69.067	970.732	0	0	0	12.185
REI Met Station	7/3/2023	09:00:00 - 09:15:00	0.12	149.505	23.057	65.633	970.728	0	0	0	12.345
REI Met Station	7/3/2023	09:15:00 - 09:30:00	0.442	74.267	24.208	62.467	970.725	0	0	0	12.457
REI Met Station	7/3/2023	09:30:00 - 09:45:00	0.799	103.07	24.548	60.783	970.6	0	0	0	12.568
REI Met Station	7/3/2023	09:45:00 - 10:00:00	0.634	91.811	24.915	59.883	970.59	0	0	0	12.603
REI Met Station	7/3/2023	10:00:00 - 10:15:00	0.468	151.777	26.11	52.217	970.505	0	0	0.1	12.618
REI Met Station	7/3/2023	10:15:00 - 10:30:00	0.139	262.362	26.378	52.117	970.552	0	0	0	12.687
REI Met Station	7/3/2023	10:30:00 - 10:45:00	0.194	129.36	27.345	51.1	970.612	0	0	0	12.7
REI Met Station	7/3/2023	10:45:00 - 11:00:00	0.273	170.151	27.698	49.233	970.603	0	0	0	12.7
REI Met Station	7/3/2023	11:00:00 - 11:15:00	0.102	352.644	27.892	49.717	970.653	0	0	0	12.647
REI Met Station	7/3/2023	11:15:00 - 11:30:00	0.515	160.68	28.452	48.983	970.647	0	0	0	12.605
REI Met Station	7/3/2023	11:30:00 - 11:45:00	0.594	144.1	28.658	47.3	970.612	0	0	0	12.6
REI Met Station	7/3/2023	11:45:00 - 12:00:00	0.157	180.778	28.982	45.35	970.632	0	0	0	12.597
REI Met Station	7/3/2023	12:00:00 - 12:15:00	0.103	182.444	29.357	44.25	970.715	0	0	0	12.59
REI Met Station	7/3/2023	12:15:00 - 12:30:00	0.455	204.838	29.767	42.017	970.722	0	0	0.083	12.405
REI Met Station	7/3/2023	12:30:00 - 12:45:00	0.782	174.874	29.483	42.7	970.678	0	0	0	12.203
REI Met Station	7/3/2023	12:45:00 - 13:00:00	0.167	158.356	29.917	41.583	970.673	0	0	0.1	12.2
REI Met Station	7/3/2023	13:00:00 - 13:15:00	0.318	220.932	30.143	40.8	970.707	0	0	0	12.2
REI Met Station	7/3/2023	13:15:00 - 13:30:00	0.178	312.22	30.447	40.967	970.677	0	0	0	12.2
REI Met Station	7/3/2023	13:30:00 - 13:45:00	0.241	256.116	31.153	40.083	970.592	0	0	0	12.2
REI Met Station	7/3/2023	13:45:00 - 14:00:00	0.451	184.874	30.832	39.567	970.512	0	0	0	12.2
REI Met Station	7/3/2023	14:00:00 - 14:15:00	0.428	198.013	30.792	40.717	970.493	0	0	0	12.2
REI Met Station	7/3/2023	14:15:00 - 14:30:00	0.108	89.201	30.657	42	970.415	0	0	0	12.228
REI Met Station	7/3/2023	14:30:00 - 14:45:00	0.168	24.386	30.85	40.783	970.355	0	0	0	12.2
REI Met Station	7/3/2023	14:45:00 - 15:00:00	0.277	162.735	31.458	40.167	970.228	0	0	0	12.2
REI Met Station	7/3/2023	15:00:00 - 15:15:00	0.519	139.562	32.285	38.783	970.15	0	0	0	12.15
REI Met Station	7/3/2023	15:15:00 - 15:30:00	0.399	128.022	32.37	38.3	970.037	0	0	0	12.107
REI Met Station	7/3/2023	15:30:00 - 15:45:00	0.12	322.196	32.773	37.567	969.927	0	0	0	12.123
REI Met Station	7/3/2023	15:45:00 - 16:00:00	0.351	266.013	32.365	38.1	969.943	0	0	0	12.165
REI Met Station	7/3/2023	16:00:00 - 16:15:00	0.358	98.625	31.065	39.617	969.908	0	0	0	12.2
REI Met Station	7/3/2023	16:15:00 - 16:30:00	0.327	153.891	31.003	40.967	969.86	0	0	0.35	12.402
REI Met Station	7/3/2023	16:30:00 - 16:45:00	0.335	227.316	32.805	38.283	969.692	0	0	0.367	12.512
REI Met Station	7/3/2023	16:45:00 - 17:00:00	0.253	212.353	33.717	36.55	969.432	0	0	0.3	12.437
REI Met Station	7/3/2023	17:00:00 - 17:15:00	0.376	215.038	32.753	37.717	969.158	0	0	0	12.487
REI Met Station	7/3/2023	17:15:00 - 17:30:00	0.487	148.474	32.858	37.983	969.025	0	0	0	12.477
REI Met Station	7/3/2023	17:30:00 - 17:45:00	0.736	124.553	32.757	38.933	969.008	0	0	0	12.5
REI Met Station	7/3/2023	17:45:00 - 18:00:00	0.465	160.863	33.475	36.717	969.303	0	0	0	12.51
REI Met Station	7/3/2023	18:00:00 - 18:15:00	0.585	156.711	33.587	36.617	969.503	0	0	0	12.535
REI Met Station	7/3/2023	18:15:00 - 18:30:00	0.172	312.396	33.492	36.833	969.577	0	0	0	12.377
REI Met Station	7/3/2023	18:30:00 - 18:45:00	0.362	320.516	33.578	36.383	969.485	0	0	0	12.202
REI Met Station	7/3/2023	18:45:00 - 19:00:00	0.359	182.157	32.488	38.167	969.487	0	0	0	12.32
REI Met Station	7/3/2023	19:00:00 - 19:15:00	0.349	201.629	32.335	38.617	969.592	0	0	0	12.313
REI Met Station	7/3/2023	19:15:00 - 19:30:00	0.255	142.68	31.94	39.75	969.723	0	0	0	12.255
REI Met Station	7/3/2023	19:30:00 - 19:45:00	0.343	133.09	31.193	41.767	969.768	0	0	0	12.2
REI Met Station	7/3/2023	19:45:00 - 20:00:00	0.571	122.135	30.523	44.083	969.93	0	0	0	12.182
REI Met Station	7/3/2023	20:00:00 - 20:15:00	0.335	104.36	29.705	48.267	969.952	0	0	0	12.138
REI Met Station	7/3/2023	20:15:00 - 20:30:00	0.283	98.66	28.825	52.4	969.935	0	0	0.033	12.1
REI Met Station	7/3/2023	20:30:00 - 20:45:00	0.19	66.439	28.087	54.867	969.873	0	0	0.083	12.1
REI Met Station	7/3/2023	20:45:00 - 21:00:00	0.342	54.889	27.358	55.85	969.817	0	0	0	12.098
REI Met Station	7/3/2023	21:00:00 - 21:15:00	1.497	5.184	26.703	54.183	970.447	0	0	0	12.1
REI Met Station	7/3/2023	21:15:00 - 21:30:00	2.064	12.234	25.342	46.1	971.025	0	0	0	12.098
REI Met Station	7/3/2023	21:30:00 - 21:45:00	1.818	17.681	24.317	50.917	971.03	0	0	0	12.093
REI Met Station	7/3/2023	21:45:00 - 22:00:00	0.476	291.939	19.763	76.317	971.303	0	0	0	12.028
REI Met Station	7/3/2023	22:00:00 - 22:15:00	0.291	188.015	19.103	81.6	971.487	0.025	1.058	0	12
REI Met Station	7/3/2023	22:15:00 - 22:30:00	0.566	118.231	19.138	85.867	971.533	0	1.5	0	12
REI Met Station	7/3/2023	22:30:00 - 22:45:00	0.4	202.106	18.975	86.633	971.527	0	1.5	0	12
REI Met Station	7/3/2023	22:45:00 - 23:00:00	0.729	231.341	19.7	80.433	971.683	0	1.5	0	12
REI Met Station	7/3/2023	23:00:00 - 23:15:00	0.687	243.777	19.678	77.683	971.203	0	1.5	0	12
REI Met Station	7/3/2023	23:15:00 - 23:30:00	0.472	191.084	19.438	78.417	971.158	0	1.5	0.033	12
REI Met Station	7/3/2023	23:30:00 - 23:45:00	0.396	269.574	19.402	78.517	971.11	0	1.5	0	12
REI Met Station	7/3/2023	23:45:00 - 00:00:00	0.391	255.949	19.873	75.85	971.095	0	1.5	0	12
REI Met Station	7/4/2023	00:00:00 - 00:15:00	0.834	267.064	20.382	73.8	970.958	0	0	0.167	12
REI Met Station	7/4/2023	00:15:00 - 00:30:00	0.807	266.363	20.565	72.417	970.93	0	0	0	11.997
REI Met Station	7/4/2023	00:30:00 - 00:45:00	0.43	175.225	20.24	74.217	971.082	0	0	0	12
REI Met Station	7/4/2023	00:45:00 - 01:00:00	0.259	272.881	20.25	73.433	971.202	0	0	0	11.998
REI Met Station	7/4/2023	01:00:00 - 01:15:00	0.915	259.717	21.167	66.9	971.265	0	0	0	11.998
REI Met Station	7/4/2023	01:15:00 - 01:30:00	0.369	261.163	20.722	69.967	971.292	0	0	0	11.997
REI Met Station	7/4/2023	01:30:00 - 01:45:00	0.441	354.714	20.428	72.217	971.413	0	0	0	11.993
REI Met Station	7/4/2023	01:45:00 - 02:00:00	0.65	10.26	19.9	76.35	971.85	0	0	0	11.987
REI Met Station	7/4/2023	02:00:00 - 02:15:00	0.223	294.228	19.448	78.467	971.608	0.004	0.229	0	11.965
REI Met Station	7/4/2023	02:15:00 - 02:30:00	0.197	249.952	18.995	81.033	971.505	0	0.25	0	11.908

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/4/2023	02:30:00 - 02:45:00	0.21	16.093	18.877	82.717	971.337	0	0.25	0	11.9
REI Met Station	7/4/2023	02:45:00 - 03:00:00	0.513	58.174	18.93	82.8	971.088	0	0.25	0	11.9
REI Met Station	7/4/2023	03:00:00 - 03:15:00	0.521	52.865	19.305	81.3	971.013	0	0.25	0.067	11.9
REI Met Station	7/4/2023	03:15:00 - 03:30:00	0.239	45.615	19.432	79.717	970.738	0	0.25	0	11.9
REI Met Station	7/4/2023	03:30:00 - 03:45:00	0.29	163.449	19.312	79.117	970.503	0	0.25	0	11.9
REI Met Station	7/4/2023	03:45:00 - 04:00:00	0.328	165.469	19.13	79.5	970.5	0	0.25	0	11.9
REI Met Station	7/4/2023	04:00:00 - 04:15:00	0.315	186.842	19.172	80.05	970.502	0	0.25	0	11.9
REI Met Station	7/4/2023	04:15:00 - 04:30:00	0.203	17.212	19.12	81.85	970.577	0	0.25	0	11.9
REI Met Station	7/4/2023	04:30:00 - 04:45:00	0.176	255.686	19.168	82.417	970.593	0	0.25	0	11.9
REI Met Station	7/4/2023	04:45:00 - 05:00:00	1.138	264.416	19.147	82.567	970.91	0	0.25	0	11.9
REI Met Station	7/4/2023	05:00:00 - 05:15:00	0.774	267.592	18.888	82.883	971.423	0	0.25	0	11.9
REI Met Station	7/4/2023	05:15:00 - 05:30:00	0.076	97.879	18.81	83	971.457	0	0.25	0	11.9
REI Met Station	7/4/2023	05:30:00 - 05:45:00	0.305	18.484	18.873	81.933	971.183	0	0.25	0	11.9
REI Met Station	7/4/2023	05:45:00 - 06:00:00	0.527	40.441	19.033	82.417	971.197	0	0.25	0	11.9
REI Met Station	7/4/2023	06:00:00 - 06:15:00	0.445	26.796	19.128	82.017	971.247	0	0.25	0	11.898
REI Met Station	7/4/2023	06:15:00 - 06:30:00	0.109	163.728	19.288	81.067	971.253	0	0.25	0	11.9
REI Met Station	7/4/2023	06:30:00 - 06:45:00	0.297	61.907	19.352	80.867	971.475	0	0.25	0	11.89
REI Met Station	7/4/2023	06:45:00 - 07:00:00	0.355	169.482	19.5	79.367	971.79	0	0.25	0.017	11.897
REI Met Station	7/4/2023	07:00:00 - 07:15:00	0.501	271.144	19.565	79.383	972.305	0	0.25	0.067	11.892
REI Met Station	7/4/2023	07:15:00 - 07:30:00	0.196	258.96	19.528	80.45	972.835	0	0.25	0.017	11.893
REI Met Station	7/4/2023	07:30:00 - 07:45:00	0.202	173.13	19.32	81.867	972.988	0	0.25	0.167	11.892
REI Met Station	7/4/2023	07:45:00 - 08:00:00	0.321	228.29	19.3	82.033	973.282	0	0.25	0.133	11.898
REI Met Station	7/4/2023	08:00:00 - 08:15:00	0.308	281.846	19.318	82.117	973.585	0	0.25	0.067	11.9
REI Met Station	7/4/2023	08:15:00 - 08:30:00	0.306	26.932	19.64	81.667	973.577	0	0.25	0	11.963
REI Met Station	7/4/2023	08:30:00 - 08:45:00	0.287	324.123	20.258	79.7	973.435	0	0.25	0	12
REI Met Station	7/4/2023	08:45:00 - 09:00:00	0.351	309.748	21.17	74.783	973.265	0.004	0.438	0	12.092
REI Met Station	7/4/2023	09:00:00 - 09:15:00	0.44	347.482	21.502	73.05	973.257	0	0.5	0	12.122
REI Met Station	7/4/2023	09:15:00 - 09:30:00	0.283	12.05	22.19	70.8	972.908	0	0.5	0	12.228
REI Met Station	7/4/2023	09:30:00 - 09:45:00	0.429	85.449	23.263	67.25	972.64	0	0.5	0	12.518
REI Met Station	7/4/2023	09:45:00 - 10:00:00	0.125	137.729	24.415	63.717	972.82	0	0.5	0	12.633
REI Met Station	7/4/2023	10:00:00 - 10:15:00	0.492	128.3	24.545	63.033	972.872	0	0.5	0	12.597
REI Met Station	7/4/2023	10:15:00 - 10:30:00	0.409	129.559	24.833	62.95	972.87	0	0.5	0	12.635
REI Met Station	7/4/2023	10:30:00 - 10:45:00	0.471	142.985	25.285	61.25	972.708	0	0.5	0	12.763
REI Met Station	7/4/2023	10:45:00 - 11:00:00	0.206	128.899	25.902	60.767	972.615	0	0.5	0	12.732
REI Met Station	7/4/2023	11:00:00 - 11:15:00	0.529	84.09	26.088	60.317	972.525	0	0.5	0	12.7
REI Met Station	7/4/2023	11:15:00 - 11:30:00	0.406	0.742	26.533	59.717	972.402	0	0.5	0	12.735
REI Met Station	7/4/2023	11:30:00 - 11:45:00	0.565	306.791	26.72	57.633	972.307	0	0.5	0.1	12.803
REI Met Station	7/4/2023	11:45:00 - 12:00:00	0.227	37.352	26.833	55.733	972.18	0	0.5	0.067	12.815
REI Met Station	7/4/2023	12:00:00 - 12:15:00	0.477	91.086	27.745	51.017	972.017	0	0.5	0.167	12.703
REI Met Station	7/4/2023	12:15:00 - 12:30:00	0.643	95.183	27.92	50.267	971.837	0	0.5	0	12.63
REI Met Station	7/4/2023	12:30:00 - 12:45:00	0.224	86.476	28.313	47.183	971.713	0	0.5	0	12.51
REI Met Station	7/4/2023	12:45:00 - 13:00:00	0.669	120.655	28.583	48.467	971.553	0	0.5	0	12.278
REI Met Station	7/4/2023	13:00:00 - 13:15:00	0.243	179.594	29.202	46.717	971.618	0	0.5	0	12.2
REI Met Station	7/4/2023	13:15:00 - 13:30:00	0.952	114.491	29.197	46.167	971.66	0	0.5	0	12.2
REI Met Station	7/4/2023	13:30:00 - 13:45:00	1.261	107.798	28.953	47.267	971.588	0	0.5	0	12.2
REI Met Station	7/4/2023	13:45:00 - 14:00:00	0.976	119.741	29.343	46.467	971.682	0	0.5	0	12.2
REI Met Station	7/4/2023	14:00:00 - 14:15:00	0.59	129.713	30.047	44.183	971.797	0	0.5	0	12.2
REI Met Station	7/4/2023	14:15:00 - 14:30:00	0.686	140.704	30.278	44.217	971.698	0	0.5	0	12.197
REI Met Station	7/4/2023	14:30:00 - 14:45:00	0.562	176.926	30.795	42.933	971.558	0	0.5	0.083	12.122
REI Met Station	7/4/2023	14:45:00 - 15:00:00	0.528	170.993	31.145	41.85	971.598	0	0.5	0	12.107
REI Met Station	7/4/2023	15:00:00 - 15:15:00	0.527	171.397	31.342	40.233	971.567	0	0.5	0	12.108
REI Met Station	7/4/2023	15:15:00 - 15:30:00	0.468	191.293	31.697	37.45	971.48	0	0.5	0.117	12.102
REI Met Station	7/4/2023	15:30:00 - 15:45:00	0.416	208.811	31.68	35.983	971.562	0	0.5	0	12.108
REI Met Station	7/4/2023	15:45:00 - 16:00:00	0.439	214.038	31.485	38.567	971.613	0	0.5	0	12.118
REI Met Station	7/4/2023	16:00:00 - 16:15:00	0.563	213.568	31.513	41.2	971.617	0	0.5	0	12.193
REI Met Station	7/4/2023	16:15:00 - 16:30:00	0.388	281.897	31.353	43.3	971.642	0	0.5	0	12.198
REI Met Station	7/4/2023	16:30:00 - 16:45:00	0.366	250.531	31.5	43.917	971.547	0	0.5	0	12.2
REI Met Station	7/4/2023	16:45:00 - 17:00:00	0.348	165.766	31.297	45.283	971.535	0	0.5	0	12.2
REI Met Station	7/4/2023	17:00:00 - 17:15:00	0.191	26.372	30.973	46.317	971.542	0	0.5	0	12.21
REI Met Station	7/4/2023	17:15:00 - 17:30:00	0.348	235.788	31.133	47.267	971.56	0	0.5	0	12.272
REI Met Station	7/4/2023	17:30:00 - 17:45:00	0.406	206.943	31.553	46.2	971.353	0	0.5	0	12.2
REI Met Station	7/4/2023	17:45:00 - 18:00:00	0.128	50.833	29.36	52.05	971.173	0.008	0.596	0	12.228
REI Met Station	7/4/2023	18:00:00 - 18:15:00	0.479	76.72	27.922	63.5	970.475	0	1	0	12.428
REI Met Station	7/4/2023	18:15:00 - 18:30:00	0.367	194.279	26.917	65.8	970.577	0	1	0.017	12.298
REI Met Station	7/4/2023	18:30:00 - 18:45:00	0.258	155.538	27.487	63.383	970.668	0	1	0	12.3
REI Met Station	7/4/2023	18:45:00 - 19:00:00	0.432	161.033	28.195	60.55	970.805	0	1	0	12.29
REI Met Station	7/4/2023	19:00:00 - 19:15:00	0.458	190.117	28.083	59.417	970.832	0	1	0	12.292
REI Met Station	7/4/2023	19:15:00 - 19:30:00	0.301	189.636	27.33	57.917	971.03	0	1	0	12.222
REI Met Station	7/4/2023	19:30:00 - 19:45:00	0.468	177.044	27.173	61.05	971.095	0	1	0.1	12.2
REI Met Station	7/4/2023	19:45:00 - 20:00:00	0.408	230.061	27.158	62.983	971.075	0	1	0	12.2
REI Met Station	7/4/2023	20:00:00 - 20:15:00	0.306	237.111	27.582	63.15	970.962	0	1	0	12.178
REI Met Station	7/4/2023	20:15:00 - 20:30:00	0.49	234.153	27.252	64.533	970.987	0	1	0	12.1
REI Met Station	7/4/2023	20:30:00 - 20:45:00	0.356	196.562	26.657	66.583	971.012	0	1	0	12.1
REI Met Station	7/4/2023	20:45:00 - 21:00:00	0.116	214.476	26.337	68.033	971.05	0	1	0	12.098
REI Met Station	7/4/2023	21:00:00 - 21:15:00	0.257	217.72	26.018	70.017	971.112	0	1	0	12.043
REI Met Station	7/4/2023	21:15:00 - 21:30:00	0.33	150.845	25.672	71.4	971.04	0	1	0	12
REI Met Station	7/4/2023	21:30:00 - 21:45:00	0.4	151.365	25.283	73.25	971.215	0	1	0	12
REI Met Station	7/4/2023	21:45:00 - 22:00:00	0.343	139.132	24.893	74.817	971.365	0	1	0	12
REI Met Station	7/4/2023	22:00:00 - 22:15:00	0.348	105.288	24.488	77.367	971.315	0	1	0	12
REI Met Station	7/4/2023	22:15:00 - 22:30:00	0.461	120.749	24.07	79.183	971.322	0	1	0	12
REI Met Station	7/4/2023	22:30:00 - 22:45:00	0.369	116.066	23.58	80.917	971.375	0	1	0	12
REI Met Station	7/4/2023	22:45:00 - 23:00:00	0.415	106.977	23.662	81.933	971.478	0	1	0.033	12
REI Met Station	7/4/2023	23:00:00 - 23:15:00	0.354	101.27	23.588	83.067	971.493	0	1	0.083	12
REI Met Station	7/4/2023	23:15:00 - 23:30:00	0.332	133.571	23.637	82.667	971.405	0	1	0.033	12
REI Met Station	7/4/2023	23:30:00 - 23:45:00	0.132	174.623	23.55	81.633	971.428	0	1	0	12
REI Met Station	7/4/2023	23:45:00 - 00:00:00	0.181	146.219	23.338	83.167	971.43	0	1	0	12
REI Met Station	7/5/2023	00:00:00 - 00:15:00	0.241	117.071	22.962	84.717	971.505	0	0	0	12
REI Met Station	7/5/2023	00:15:00 - 00:30:00	0.295	163.604	22.8	85.983	971.625	0	0	0	12
REI Met Station	7/5/2023	00:30:00 - 00:45:00	0.292	193.113	22.833	86.4	971.61	0	0	0	12
REI Met Station	7/5/2023	00:45:00 - 01:00:00	0.182	198.464	22.745	86	971.453	0	0	0	11.997

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/5/2023	01:00:00 - 01:15:00	0.158	266.274	22.625	86	971.503	0	0	0	11.948
REI Met Station	7/5/2023	01:15:00 - 01:30:00	0.039	259.536	22.643	86	971.51	0	0	0	11.908
REI Met Station	7/5/2023	01:30:00 - 01:45:00	0.104	124.352	22.743	86	971.388	0	0	0	11.902
REI Met Station	7/5/2023	01:45:00 - 02:00:00	0.455	126.264	22.897	85.683	971.187	0	0	0	11.9
REI Met Station	7/5/2023	02:00:00 - 02:15:00	0.274	120.628	22.95	85.383	971.032	0	0	0	11.9
REI Met Station	7/5/2023	02:15:00 - 02:30:00	0.534	127.823	22.903	86	970.873	0	0	0	11.9
REI Met Station	7/5/2023	02:30:00 - 02:45:00	0.553	122.866	22.998	86	970.642	0	0	0.167	11.9
REI Met Station	7/5/2023	02:45:00 - 03:00:00	0.579	123.212	22.853	85.133	970.457	0	0	0	11.9
REI Met Station	7/5/2023	03:00:00 - 03:15:00	0.462	129.994	22.8	84.933	970.405	0	0	0	11.9
REI Met Station	7/5/2023	03:15:00 - 03:30:00	0.091	326.145	22.677	84.933	970.408	0	0	0	11.9
REI Met Station	7/5/2023	03:30:00 - 03:45:00	0.184	90.39	22.765	85	970.327	0	0	0	11.9
REI Met Station	7/5/2023	03:45:00 - 04:00:00	0.156	81.996	22.72	86.017	970.535	0.033	1.229	0	11.9
REI Met Station	7/5/2023	04:00:00 - 04:15:00	0.421	130.399	22.318	89.017	970.31	0	2	0	11.9
REI Met Station	7/5/2023	04:15:00 - 04:30:00	0.191	109.963	22.002	89.967	970.463	0	2	0	11.9
REI Met Station	7/5/2023	04:30:00 - 04:45:00	0.445	122.962	21.978	90.35	970.412	0	2	0	11.9
REI Met Station	7/5/2023	04:45:00 - 05:00:00	0.334	145.027	21.807	90.067	970.363	0	2	0	11.9
REI Met Station	7/5/2023	05:00:00 - 05:15:00	0.865	289.915	21.857	90.033	970.67	0	2	0	11.9
REI Met Station	7/5/2023	05:15:00 - 05:30:00	0.45	287.857	22	89	971.04	0	2	0	11.9
REI Met Station	7/5/2023	05:30:00 - 05:45:00	0.377	267.894	21.915	89	971.237	0	2	0	11.9
REI Met Station	7/5/2023	05:45:00 - 06:00:00	0.437	317.763	21.84	88.933	971.338	0	2	0	11.898
REI Met Station	7/5/2023	06:00:00 - 06:15:00	0.331	358.752	21.645	88.283	971.162	0	2	0	11.895
REI Met Station	7/5/2023	06:15:00 - 06:30:00	0.221	324.47	21.345	88.333	971.238	0	2	0.1	11.888
REI Met Station	7/5/2023	06:30:00 - 06:45:00	0.349	164.229	21.2	89	971.508	0	2	0	11.89
REI Met Station	7/5/2023	06:45:00 - 07:00:00	0.3	157.266	21.177	89	971.632	0	2	0.067	11.873
REI Met Station	7/5/2023	07:00:00 - 07:15:00	0.196	188.643	21.143	89	971.758	0	2	0	11.883
REI Met Station	7/5/2023	07:15:00 - 07:30:00	0.541	282.334	21.223	88.017	971.978	0	2	0	11.9
REI Met Station	7/5/2023	07:30:00 - 07:45:00	0.562	299.079	21.437	85.983	971.875	0	2	0	11.9
REI Met Station	7/5/2023	07:45:00 - 08:00:00	0.633	286.78	21.232	86	971.72	0	2	0	11.9
REI Met Station	7/5/2023	08:00:00 - 08:15:00	0.512	300.327	21.245	86.333	971.542	0	2	0	11.9
REI Met Station	7/5/2023	08:15:00 - 08:30:00	0.343	328.438	21.212	86.433	971.302	0	2	0	11.9
REI Met Station	7/5/2023	08:30:00 - 08:45:00	0.47	315.208	21.132	86	971.225	0	2	0	11.9
REI Met Station	7/5/2023	08:45:00 - 09:00:00	0.465	326.858	21.202	86	971.22	0	2	0	11.9
REI Met Station	7/5/2023	09:00:00 - 09:15:00	0.361	279.646	21.297	86.017	971.098	0	2	0	11.9
REI Met Station	7/5/2023	09:15:00 - 09:30:00	0.56	303.956	21.58	85.533	971.357	0	2	0	11.99
REI Met Station	7/5/2023	09:30:00 - 09:45:00	0.629	282.677	21.91	84.167	971.617	0	2	0	12
REI Met Station	7/5/2023	09:45:00 - 10:00:00	0.767	318.199	22.072	82.333	971.703	0	2	0	12.077
REI Met Station	7/5/2023	10:00:00 - 10:15:00	0.843	330.822	21.693	81.35	971.975	0	2	0.033	12.048
REI Met Station	7/5/2023	10:15:00 - 10:30:00	0.627	340.072	21.747	80.717	972.125	0	2	0	12.24
REI Met Station	7/5/2023	10:30:00 - 10:45:00	0.709	13.882	21.58	79.617	972.152	0	2	0.333	12.255
REI Met Station	7/5/2023	10:45:00 - 11:00:00	0.645	14.435	21.76	78.417	972.09	0	2	0	12.237
REI Met Station	7/5/2023	11:00:00 - 11:15:00	0.861	2.749	21.66	77.633	972.172	0	2	0	12.315
REI Met Station	7/5/2023	11:15:00 - 11:30:00	0.528	357.22	22.07	76.667	972.193	0	2	0	12.4
REI Met Station	7/5/2023	11:30:00 - 11:45:00	0.667	20.715	22.063	76.383	972.232	0	2	0	12.4
REI Met Station	7/5/2023	11:45:00 - 12:00:00	0.772	14.102	22.028	75.75	972.295	0	2	0	12.4
REI Met Station	7/5/2023	12:00:00 - 12:15:00	0.602	10.548	22.377	73.383	972.31	0	2	0	12.425
REI Met Station	7/5/2023	12:15:00 - 12:30:00	0.746	15.373	22.905	71.45	972.382	0	2	0	12.612
REI Met Station	7/5/2023	12:30:00 - 12:45:00	1.033	38.743	23.022	69.3	972.257	0	2	0	12.653
REI Met Station	7/5/2023	12:45:00 - 13:00:00	0.838	20.15	22.587	70.883	972.37	0	2	0	12.428
REI Met Station	7/5/2023	13:00:00 - 13:15:00	0.606	6.434	22.525	71.633	972.433	0	2	0	12.39
REI Met Station	7/5/2023	13:15:00 - 13:30:00	0.477	353.296	22.413	71.667	972.6	0	2	0	12.323
REI Met Station	7/5/2023	13:30:00 - 13:45:00	0.572	358.16	22.145	72.25	972.828	0	2	0	12.298
REI Met Station	7/5/2023	13:45:00 - 14:00:00	0.631	346.826	21.988	72.117	973.077	0	2	0.083	12.297
REI Met Station	7/5/2023	14:00:00 - 14:15:00	0.51	18.041	21.93	73.033	973.04	0	2	0	12.222
REI Met Station	7/5/2023	14:15:00 - 14:30:00	0.519	308.708	21.658	74.467	973.21	0	2	0.083	12.208
REI Met Station	7/5/2023	14:30:00 - 14:45:00	1.138	283.844	21.153	75.7	973.665	0	2	0	12.2
REI Met Station	7/5/2023	14:45:00 - 15:00:00	0.568	350.588	21.29	75.567	973.595	0	2	0	12.2
REI Met Station	7/5/2023	15:00:00 - 15:15:00	0.407	355.361	21.55	74.483	973.277	0	2	0	12.323
REI Met Station	7/5/2023	15:15:00 - 15:30:00	0.779	353.21	21.988	72.9	973.153	0	2	0	12.4
REI Met Station	7/5/2023	15:30:00 - 15:45:00	0.568	324.016	21.758	72.2	973.212	0	2	0	12.375
REI Met Station	7/5/2023	15:45:00 - 16:00:00	0.288	314.008	22.065	72.683	973.28	0	2	0	12.312
REI Met Station	7/5/2023	16:00:00 - 16:15:00	0.592	351.249	22.27	71.883	973.103	0	2	0	12.39
REI Met Station	7/5/2023	16:15:00 - 16:30:00	0.482	334.566	22.287	71.333	972.997	0	2	0	12.3
REI Met Station	7/5/2023	16:30:00 - 16:45:00	0.434	271.797	22.612	70.167	972.878	0	2	0	12.333
REI Met Station	7/5/2023	16:45:00 - 17:00:00	0.138	202.119	23.272	68.383	972.722	0	2	0	12.4
REI Met Station	7/5/2023	17:00:00 - 17:15:00	0.441	35.678	23.783	66.65	972.468	0	2	0.083	12.582
REI Met Station	7/5/2023	17:15:00 - 17:30:00	0.939	9.159	24.527	63.217	972.14	0	2	0.067	12.902
REI Met Station	7/5/2023	17:30:00 - 17:45:00	0.788	332.996	25.692	60.05	972.058	0	2	0.1	12.74
REI Met Station	7/5/2023	17:45:00 - 18:00:00	0.159	27.596	25.267	57.667	971.955	0	2	0.1	12.565
REI Met Station	7/5/2023	18:00:00 - 18:15:00	0.701	27.921	25.95	50.083	972	0	2	0	12.755
REI Met Station	7/5/2023	18:15:00 - 18:30:00	0.958	338.83	26.34	47.767	971.997	0	2	0	12.753
REI Met Station	7/5/2023	18:30:00 - 18:45:00	0.583	20.855	25.867	49.217	971.958	0	2	0	12.612
REI Met Station	7/5/2023	18:45:00 - 19:00:00	1.028	318.272	25.957	48.417	971.978	0	2	0	12.652
REI Met Station	7/5/2023	19:00:00 - 19:15:00	0.783	344.195	25.937	49.083	971.88	0	2	0	12.555
REI Met Station	7/5/2023	19:15:00 - 19:30:00	0.419	326.586	25.338	51.167	971.9	0	2	0	12.397
REI Met Station	7/5/2023	19:30:00 - 19:45:00	0.517	335.363	24.823	53.383	972.012	0	2	0	12.302
REI Met Station	7/5/2023	19:45:00 - 20:00:00	0.431	8.44	23.927	56.35	972.235	0	2	0	12.202
REI Met Station	7/5/2023	20:00:00 - 20:15:00	0.509	341.861	23.5	58.667	972.262	0	2	0	12.2
REI Met Station	7/5/2023	20:15:00 - 20:30:00	0.344	333.97	23.365	59.867	972.238	0	2	0	12.2
REI Met Station	7/5/2023	20:30:00 - 20:45:00	0.39	13.071	23.002	61.3	972.325	0	2	0	12.112
REI Met Station	7/5/2023	20:45:00 - 21:00:00	0.12	309.115	22.753	63.083	972.418	0	2	0.033	12.1
REI Met Station	7/5/2023	21:00:00 - 21:15:00	0.245	344.49	22.215	64.367	972.57	0	2	0.083	12.1
REI Met Station	7/5/2023	21:15:00 - 21:30:00	0.405	355.975	21.745	66.3	972.675	0	2	0.083	12.095
REI Met Station	7/5/2023	21:30:00 - 21:45:00	0.273	338.342	21.31	68.7	972.747	0	2	0	12.092
REI Met Station	7/5/2023	21:45:00 - 22:00:00	0.662	327.225	21.623	65.633	972.908	0	2	0	12.082
REI Met Station	7/5/2023	22:00:00 - 22:15:00	0.469	331.339	21.845	63.133	973.052	0	2	0	12.078
REI Met Station	7/5/2023	22:15:00 - 22:30:00	0.376	323.551	21.592	62.633	973.363	0	2	0	12.043
REI Met Station	7/5/2023	22:30:00 - 22:45:00	0.464	317.051	21.285	63.35	973.672	0	2	0	12
REI Met Station	7/5/2023	22:45:00 - 23:00:00	0.397	341.476	21.075	64.5	973.63	0	2	0	12
REI Met Station	7/5/2023	23:00:00 - 23:15:00	0.399	345.074	20.735	65.833	973.608	0	2	0	12
REI Met Station	7/5/2023	23:15:00 - 23:30:00	0.271	234.549	20.15	66.55	973.68	0	2	0	12

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/5/2023	23:30:00 - 23:45:00	0.179	222.017	19.647	68.25	973.803	0	2	0	12
REI Met Station	7/5/2023	23:45:00 - 00:00:00	0.161	322.051	19.222	70.267	973.843	0	2	0	12
REI Met Station	7/6/2023	00:00:00 - 00:15:00	0.662	22.572	19.18	72.217	973.858	0	0	0	12
REI Met Station	7/6/2023	00:15:00 - 00:30:00	0.827	34.814	19.092	72.367	973.955	0	0	0	12
REI Met Station	7/6/2023	00:30:00 - 00:45:00	0.626	44.541	18.723	72.983	974.097	0	0	0	12
REI Met Station	7/6/2023	00:45:00 - 01:00:00	0.907	31.036	18.397	72.5	974.182	0	0	0	11.997
REI Met Station	7/6/2023	01:00:00 - 01:15:00	0.864	31.973	18.037	72.983	974.135	0	0	0.083	11.997
REI Met Station	7/6/2023	01:15:00 - 01:30:00	0.622	33.991	17.733	73.05	974.235	0	0	0	11.993
REI Met Station	7/6/2023	01:30:00 - 01:45:00	0.616	7.621	17.378	73.633	974.297	0	0	0	11.958
REI Met Station	7/6/2023	01:45:00 - 02:00:00	0.39	55.619	17.078	75.4	974.358	0	0	0.117	11.92
REI Met Station	7/6/2023	02:00:00 - 02:15:00	0.478	75.848	16.813	77	974.343	0	0	0	11.9
REI Met Station	7/6/2023	02:15:00 - 02:30:00	0.425	51.138	16.518	76.2	974.243	0	0	0	11.9
REI Met Station	7/6/2023	02:30:00 - 02:45:00	0.571	37.533	16.483	74.55	974.24	0	0	0	11.9
REI Met Station	7/6/2023	02:45:00 - 03:00:00	0.382	39.459	16.225	74.683	974.2	0	0	0	11.9
REI Met Station	7/6/2023	03:00:00 - 03:15:00	0.463	86.153	16.035	73.817	974.172	0	0	0	11.9
REI Met Station	7/6/2023	03:15:00 - 03:30:00	0.201	82.875	15.81	73.367	974.218	0	0	0	11.9
REI Met Station	7/6/2023	03:30:00 - 03:45:00	0.264	245.007	15.332	73.683	974.225	0	0	0	11.9
REI Met Station	7/6/2023	03:45:00 - 04:00:00	0.384	181.309	14.717	76.5	974.313	0	0	0	11.898
REI Met Station	7/6/2023	04:00:00 - 04:15:00	0.349	243.723	14.453	77.083	974.312	0	0	0	11.898
REI Met Station	7/6/2023	04:15:00 - 04:30:00	0.163	209.115	14.213	77.267	974.42	0	0	0	11.847
REI Met Station	7/6/2023	04:30:00 - 04:45:00	0.172	189.933	13.695	79.467	974.517	0	0	0	11.873
REI Met Station	7/6/2023	04:45:00 - 05:00:00	0.295	208.019	13.432	81.467	974.57	0	0	0	11.815
REI Met Station	7/6/2023	05:00:00 - 05:15:00	0.221	217.394	13.568	80.417	974.505	0	0	0.067	11.8
REI Met Station	7/6/2023	05:15:00 - 05:30:00	0.32	235.127	13.483	81	974.507	0	0	0	11.8
REI Met Station	7/6/2023	05:30:00 - 05:45:00	0.321	245.279	13.503	80.883	974.513	0	0	0.067	11.8
REI Met Station	7/6/2023	05:45:00 - 06:00:00	0.318	234.786	13.438	81.1	974.568	0	0	0.067	11.8
REI Met Station	7/6/2023	06:00:00 - 06:15:00	0.262	273.508	13.422	82	974.44	0	0	0	11.8
REI Met Station	7/6/2023	06:15:00 - 06:30:00	0.199	332.269	13.5	81.933	974.408	0	0	0	11.8
REI Met Station	7/6/2023	06:30:00 - 06:45:00	0.235	328.488	13.47	82.017	974.39	0	0	0	11.8
REI Met Station	7/6/2023	06:45:00 - 07:00:00	0.437	317.415	13.385	82	974.498	0	0	0	11.8
REI Met Station	7/6/2023	07:00:00 - 07:15:00	0.305	299.459	13.223	82.167	974.535	0	0	0	11.8
REI Met Station	7/6/2023	07:15:00 - 07:30:00	0.205	262.634	13.13	82	974.67	0	0	0	11.8
REI Met Station	7/6/2023	07:30:00 - 07:45:00	0.166	291.251	13.183	82.2	974.807	0	0	0	11.8
REI Met Station	7/6/2023	07:45:00 - 08:00:00	0.66	51.127	14.08	80.483	974.835	0	0	0	11.833
REI Met Station	7/6/2023	08:00:00 - 08:15:00	0.493	356.848	14.537	78.05	975.035	0	0	0	11.898
REI Met Station	7/6/2023	08:15:00 - 08:30:00	0.482	19.711	14.708	77.833	975.095	0	0	0	11.91
REI Met Station	7/6/2023	08:30:00 - 08:45:00	0.417	1.559	15.697	74.183	975.097	0	0	0	12.027
REI Met Station	7/6/2023	08:45:00 - 09:00:00	0.615	31.451	16.555	70.417	975.033	0	0	0	12.202
REI Met Station	7/6/2023	09:00:00 - 09:15:00	0.329	53.699	16.653	69.933	975.072	0	0	0	12.223
REI Met Station	7/6/2023	09:15:00 - 09:30:00	0.379	355.918	17.115	67.9	975.245	0	0	0	12.302
REI Met Station	7/6/2023	09:30:00 - 09:45:00	0.409	339.346	17.355	67.417	975.252	0	0	0	12.45
REI Met Station	7/6/2023	09:45:00 - 10:00:00	0.236	12.529	17.95	64.983	975.335	0	0	0.033	12.517
REI Met Station	7/6/2023	10:00:00 - 10:15:00	0.109	104.208	18.415	64.217	975.233	0	0	0	12.572
REI Met Station	7/6/2023	10:15:00 - 10:30:00	0.326	49.145	19.077	62.267	975.217	0	0	0	12.688
REI Met Station	7/6/2023	10:30:00 - 10:45:00	0.712	36.457	20.185	58.367	975.023	0	0	0	13.068
REI Met Station	7/6/2023	10:45:00 - 11:00:00	0.457	23.205	20.825	56.05	974.938	0	0	0	12.997
REI Met Station	7/6/2023	11:00:00 - 11:15:00	0.315	328.952	21.588	52.55	974.873	0	0	0	12.988
REI Met Station	7/6/2023	11:15:00 - 11:30:00	1.058	11.457	21.03	51.217	974.788	0	0	0	12.935
REI Met Station	7/6/2023	11:30:00 - 11:45:00	0.659	8.93	20.413	50.467	974.73	0	0	0	12.725
REI Met Station	7/6/2023	11:45:00 - 12:00:00	0.361	318.684	20.927	50.417	974.767	0	0	0	12.968
REI Met Station	7/6/2023	12:00:00 - 12:15:00	0.738	357.96	20.887	49.5	974.745	0	0	0	12.642
REI Met Station	7/6/2023	12:15:00 - 12:30:00	0.652	324.056	20.402	49.267	974.773	0	0	0	12.887
REI Met Station	7/6/2023	12:30:00 - 12:45:00	1.005	1.312	21.245	49	974.675	0	0	0	12.6
REI Met Station	7/6/2023	12:45:00 - 13:00:00	0.968	45.798	20.827	51	974.553	0	0	0.15	12.498
REI Met Station	7/6/2023	13:00:00 - 13:15:00	0.578	347.239	20.522	48.933	974.547	0	0	0	12.558
REI Met Station	7/6/2023	13:15:00 - 13:30:00	0.702	337.653	22.227	44.85	974.45	0	0	0	12.463
REI Met Station	7/6/2023	13:30:00 - 13:45:00	0.648	1.817	21.828	45.717	974.325	0	0	0	12.44
REI Met Station	7/6/2023	13:45:00 - 14:00:00	0.872	341.098	22.483	42.467	974.343	0	0	0	12.4
REI Met Station	7/6/2023	14:00:00 - 14:15:00	0.365	348.616	21.767	43.933	974.333	0	0	0	12.5
REI Met Station	7/6/2023	14:15:00 - 14:30:00	0.465	217.167	23.062	40.6	974.168	0	0	0	12.403
REI Met Station	7/6/2023	14:30:00 - 14:45:00	1.063	17.401	21.98	43.567	974.163	0	0	0	12.448
REI Met Station	7/6/2023	14:45:00 - 15:00:00	1.144	355.299	22.292	43.133	974.188	0	0	0	12.498
REI Met Station	7/6/2023	15:00:00 - 15:15:00	0.341	344.772	22.815	41.617	974.118	0	0	0	12.433
REI Met Station	7/6/2023	15:15:00 - 15:30:00	0.548	0.092	22.568	41.317	974.072	0	0	0	12.418
REI Met Station	7/6/2023	15:30:00 - 15:45:00	0.48	310.676	22.743	41.283	974.028	0	0	0	12.465
REI Met Station	7/6/2023	15:45:00 - 16:00:00	0.678	288.281	22.887	39.783	973.958	0	0	0	12.487
REI Met Station	7/6/2023	16:00:00 - 16:15:00	0.741	9.821	22.52	42.9	973.975	0	0	0	12.505
REI Met Station	7/6/2023	16:15:00 - 16:30:00	0.693	46.74	22.007	44.1	973.925	0	0	0	12.66
REI Met Station	7/6/2023	16:30:00 - 16:45:00	0.502	335.071	23.34	40.717	973.913	0	0	0	12.81
REI Met Station	7/6/2023	16:45:00 - 17:00:00	0.39	340.589	22.813	41.683	973.898	0	0	0	12.815
REI Met Station	7/6/2023	17:00:00 - 17:15:00	0.468	337.924	23.422	38.667	973.815	0	0	0	12.792
REI Met Station	7/6/2023	17:15:00 - 17:30:00	0.593	323.623	21.937	41.967	973.8	0	0	0	12.64
REI Met Station	7/6/2023	17:30:00 - 17:45:00	0.348	312.314	23.603	39.517	973.685	0	0	0	13.005
REI Met Station	7/6/2023	17:45:00 - 18:00:00	0.849	15.945	23.285	39	973.648	0	0	0	12.687
REI Met Station	7/6/2023	18:00:00 - 18:15:00	0.527	341.583	22.128	40.583	973.59	0	0	0	12.425
REI Met Station	7/6/2023	18:15:00 - 18:30:00	0.704	5.991	21.86	42.167	973.675	0	0	0	12.462
REI Met Station	7/6/2023	18:30:00 - 18:45:00	0.995	342.544	22.712	38.733	973.648	0	0	0	12.928
REI Met Station	7/6/2023	18:45:00 - 19:00:00	0.604	312.411	22.995	37.683	973.532	0	0	0	12.707
REI Met Station	7/6/2023	19:00:00 - 19:15:00	0.51	334.033	22.155	39.767	973.475	0	0	0	12.478
REI Met Station	7/6/2023	19:15:00 - 19:30:00	0.55	313.996	23.31	38.867	973.4	0	0	0	12.588
REI Met Station	7/6/2023	19:30:00 - 19:45:00	0.507	314.101	23.197	38.233	973.453	0	0	0	12.333
REI Met Station	7/6/2023	19:45:00 - 20:00:00	1.045	340.988	22.157	39.067	973.502	0	0	0	12.232
REI Met Station	7/6/2023	20:00:00 - 20:15:00	0.858	337.491	21.688	39.783	973.567	0	0	0.15	12.2
REI Met Station	7/6/2023	20:15:00 - 20:30:00	0.812	337.188	21.287	40.867	973.597	0	0	0	12.195
REI Met Station	7/6/2023	20:30:00 - 20:45:00	0.924	339.986	20.52	43.2	973.602	0	0	0	12.163
REI Met Station	7/6/2023	20:45:00 - 21:00:00	0.456	299.819	20.138	44.7	973.61	0	0	0	12.103
REI Met Station	7/6/2023	21:00:00 - 21:15:00	0.259	345.759	19.482	46.533	973.598	0	0	0.25	12.1
REI Met Station	7/6/2023	21:15:00 - 21:30:00	0.316	335.065	19.003	48.317	973.558	0	0	0	12.1
REI Met Station	7/6/2023	21:30:00 - 21:45:00	0.415	301.414	18.488	49.95	973.537	0	0	0	12.1
REI Met Station	7/6/2023	21:45:00 - 22:00:00	0.102	267.602	17.815	52.5	973.655	0	0	0	12.098

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/6/2023	22:00:00 - 22:15:00	0.298	240.991	17.18	54.5	973.742	0	0	0	12.095
REI Met Station	7/6/2023	22:15:00 - 22:30:00	0.164	251.995	17.108	54.1	973.845	0	0	0	12.093
REI Met Station	7/6/2023	22:30:00 - 22:45:00	0.186	170.549	16.55	56.167	973.937	0	0	0	12.062
REI Met Station	7/6/2023	22:45:00 - 23:00:00	0.148	173.785	15.825	60.5	974.08	0	0	0	12.002
REI Met Station	7/6/2023	23:00:00 - 23:15:00	0.381	147.95	15.568	62.9	974.183	0	0	0	12
REI Met Station	7/6/2023	23:15:00 - 23:30:00	0.227	113.707	15.553	64.717	974.257	0	0	0	12
REI Met Station	7/6/2023	23:30:00 - 23:45:00	0.295	205.998	15.207	63.267	974.375	0	0	0	12
REI Met Station	7/6/2023	23:45:00 - 00:00:00	0.215	171.026	14.6	65.367	974.482	0	0	0	12
REI Met Station	7/7/2023	00:00:00 - 00:15:00	0.248	167.243	13.965	69.15	974.665	0	0	0	12
REI Met Station	7/7/2023	00:15:00 - 00:30:00	0.306	191.203	13.977	68.533	974.712	0	0	0	12
REI Met Station	7/7/2023	00:30:00 - 00:45:00	0.077	114.735	13.483	70.25	974.833	0	0	0	12
REI Met Station	7/7/2023	00:45:00 - 01:00:00	0.122	311.004	13.542	71.567	974.903	0	0	0.033	12
REI Met Station	7/7/2023	01:00:00 - 01:15:00	0.071	143.901	13.245	73.25	974.835	0	0	0	11.998
REI Met Station	7/7/2023	01:15:00 - 01:30:00	0.162	156.735	12.622	75.483	974.817	0	0	0.067	11.995
REI Met Station	7/7/2023	01:30:00 - 01:45:00	0.115	354.079	12.435	77.117	974.857	0	0	0	12
REI Met Station	7/7/2023	01:45:00 - 02:00:00	0.097	182.927	12.05	77.533	974.798	0	0	0	11.997
REI Met Station	7/7/2023	02:00:00 - 02:15:00	0.165	174.197	11.797	79	974.922	0	0	0	11.992
REI Met Station	7/7/2023	02:15:00 - 02:30:00	0.474	177.521	11.698	79.867	974.95	0	0	0	11.987
REI Met Station	7/7/2023	02:30:00 - 02:45:00	0.531	159.02	11.57	80.9	974.908	0	0	0	11.965
REI Met Station	7/7/2023	02:45:00 - 03:00:00	0.322	165.416	11.317	81.417	975.005	0	0	0	11.915
REI Met Station	7/7/2023	03:00:00 - 03:15:00	0.238	196.068	10.742	82.783	975.068	0	0	0	11.9
REI Met Station	7/7/2023	03:15:00 - 03:30:00	0.256	168.323	10.313	84.367	975.027	0	0	0	11.9
REI Met Station	7/7/2023	03:30:00 - 03:45:00	0.358	169.001	10.505	85.6	975.057	0	0	0	11.9
REI Met Station	7/7/2023	03:45:00 - 04:00:00	0.255	168.525	10.225	85.217	974.93	0	0	0	11.9
REI Met Station	7/7/2023	04:00:00 - 04:15:00	0.33	166.141	10.145	86.717	974.883	0	0	0	11.9
REI Met Station	7/7/2023	04:15:00 - 04:30:00	0.265	145.885	9.877	87.717	974.8	0	0	0	11.9
REI Met Station	7/7/2023	04:30:00 - 04:45:00	0.348	165.83	10.003	88.567	974.737	0	0	0	11.9
REI Met Station	7/7/2023	04:45:00 - 05:00:00	0.383	166.131	9.82	89	974.737	0	0	0	11.9
REI Met Station	7/7/2023	05:00:00 - 05:15:00	0.232	159.093	9.335	89	974.627	0	0	0	11.898
REI Met Station	7/7/2023	05:15:00 - 05:30:00	0.228	174.419	9.092	89.867	974.547	0	0	0	11.9
REI Met Station	7/7/2023	05:30:00 - 05:45:00	0.148	224.126	9.625	90.7	974.69	0	0	0	11.9
REI Met Station	7/7/2023	05:45:00 - 06:00:00	0.078	206.895	9.477	90.35	974.645	0	0	0	11.9
REI Met Station	7/7/2023	06:00:00 - 06:15:00	0.437	174.544	9.435	91	974.737	0	0	0	11.883
REI Met Station	7/7/2023	06:15:00 - 06:30:00	0.351	201.104	9.297	91	974.762	0	0	0	11.842
REI Met Station	7/7/2023	06:30:00 - 06:45:00	0.116	157.307	8.992	90.717	974.623	0	0	0	11.89
REI Met Station	7/7/2023	06:45:00 - 07:00:00	0.189	150.48	9.238	91.367	974.738	0	0	0	11.897
REI Met Station	7/7/2023	07:00:00 - 07:15:00	0.457	150.01	9.57	91.717	974.867	0	0	0	11.89
REI Met Station	7/7/2023	07:15:00 - 07:30:00	0.408	137.571	10.147	92	974.772	0	0	0	11.898
REI Met Station	7/7/2023	07:30:00 - 07:45:00	0.196	130.788	10.772	92	974.902	0	0	0	11.897
REI Met Station	7/7/2023	07:45:00 - 08:00:00	0.291	143.926	11.752	90.933	974.668	0	0	0.067	11.9
REI Met Station	7/7/2023	08:00:00 - 08:15:00	0.559	160.616	12.86	84.967	974.882	0	0	0	11.9
REI Met Station	7/7/2023	08:15:00 - 08:30:00	0.513	109.319	14.465	77.9	974.712	0	0	0.033	11.982
REI Met Station	7/7/2023	08:30:00 - 08:45:00	0.34	140.436	15.705	72.583	974.692	0	0	0	12.06
REI Met Station	7/7/2023	08:45:00 - 09:00:00	0.482	169.591	16.592	68.617	974.55	0	0	0.083	12.227
REI Met Station	7/7/2023	09:00:00 - 09:15:00	0.608	188.238	17.692	63.533	974.595	0	0	0	12.423
REI Met Station	7/7/2023	09:15:00 - 09:30:00	0.773	195.605	18.308	57.85	974.537	0	0	0	12.602
REI Met Station	7/7/2023	09:30:00 - 09:45:00	0.655	167.408	18.81	57.05	974.603	0	0	0	12.747
REI Met Station	7/7/2023	09:45:00 - 10:00:00	0.692	182.59	19.553	53.533	974.347	0	0	0	12.86
REI Met Station	7/7/2023	10:00:00 - 10:15:00	0.876	187.068	19.698	49.033	974.272	0	0	0	13.045
REI Met Station	7/7/2023	10:15:00 - 10:30:00	0.466	195.686	20.862	47.05	974.402	0	0	0	13.08
REI Met Station	7/7/2023	10:30:00 - 10:45:00	1.003	189.096	21.043	45.85	974.455	0	0	0	13.042
REI Met Station	7/7/2023	10:45:00 - 11:00:00	0.76	188.446	20.888	43.9	974.51	0	0	0	13.003
REI Met Station	7/7/2023	11:00:00 - 11:15:00	0.248	234.727	21.68	41.45	974.373	0	0	0	13
REI Met Station	7/7/2023	11:15:00 - 11:30:00	0.851	25.063	21.97	41.733	974.158	0	0	0	12.938
REI Met Station	7/7/2023	11:30:00 - 11:45:00	0.477	25.051	22.107	41.017	974.233	0	0	0	12.928
REI Met Station	7/7/2023	11:45:00 - 12:00:00	0.892	60.118	22.287	39.483	974.19	0	0	0	12.9
REI Met Station	7/7/2023	12:00:00 - 12:15:00	0.426	48.041	22.338	39.817	974.183	0	0	0	12.868
REI Met Station	7/7/2023	12:15:00 - 12:30:00	0.839	225.168	22.603	39.133	974.142	0	0	0.15	12.412
REI Met Station	7/7/2023	12:30:00 - 12:45:00	0.371	159.263	23.067	38.483	974.107	0	0	0.017	12.4
REI Met Station	7/7/2023	12:45:00 - 13:00:00	0.723	155.855	23.03	38.2	973.902	0	0	0	12.345
REI Met Station	7/7/2023	13:00:00 - 13:15:00	0.7	200.156	23.035	38.367	973.665	0	0	0	12.4
REI Met Station	7/7/2023	13:15:00 - 13:30:00	0.878	113.854	23.448	39.233	973.498	0	0	0	12.363
REI Met Station	7/7/2023	13:30:00 - 13:45:00	0.851	124.887	23.798	38.817	973.295	0	0	0	12.3
REI Met Station	7/7/2023	13:45:00 - 14:00:00	0.483	216.198	24.357	37.483	973.167	0	0	0	12.3
REI Met Station	7/7/2023	14:00:00 - 14:15:00	1.123	205.985	23.898	37.467	972.913	0	0	0	12.315
REI Met Station	7/7/2023	14:15:00 - 14:30:00	0.848	97.739	23.627	38.167	972.685	0	0	0	12.377
REI Met Station	7/7/2023	14:30:00 - 14:45:00	0.32	190.994	24.185	38.333	972.487	0	0	0	12.4
REI Met Station	7/7/2023	14:45:00 - 15:00:00	0.139	60.273	24.132	37.4	972.403	0	0	0	12.4
REI Met Station	7/7/2023	15:00:00 - 15:15:00	0.257	305.025	24.788	37.517	972.367	0	0	0	12.395
REI Met Station	7/7/2023	15:15:00 - 15:30:00	0.642	106.42	24.753	37.517	972.21	0	0	0	12.393
REI Met Station	7/7/2023	15:30:00 - 15:45:00	0.391	53.214	24.51	38.283	972.227	0	0	0.033	12.4
REI Met Station	7/7/2023	15:45:00 - 16:00:00	1.027	193.144	24.158	37.833	972.155	0	0	0	12.4
REI Met Station	7/7/2023	16:00:00 - 16:15:00	0.683	190.39	24.195	38.35	972.203	0	0	0.1	12.432
REI Met Station	7/7/2023	16:15:00 - 16:30:00	1.046	202.648	24.123	40.383	972.117	0	0	0.067	12.5
REI Met Station	7/7/2023	16:30:00 - 16:45:00	1.628	208.824	23.657	42.183	972.093	0	0	0	12.54
REI Met Station	7/7/2023	16:45:00 - 17:00:00	0.892	212.115	23.797	42.85	972.127	0	0	0	12.562
REI Met Station	7/7/2023	17:00:00 - 17:15:00	0.784	204.899	23.897	42.617	972.17	0	0	0	12.59
REI Met Station	7/7/2023	17:15:00 - 17:30:00	0.609	223.056	23.857	42.5	972.128	0	0	0	12.6
REI Met Station	7/7/2023	17:30:00 - 17:45:00	0.47	209.695	23.798	42.967	971.88	0	0	0	12.537
REI Met Station	7/7/2023	17:45:00 - 18:00:00	0.32	32.82	23.637	44.683	971.777	0	0	0	12.493
REI Met Station	7/7/2023	18:00:00 - 18:15:00	0.162	325.789	23.053	45.533	971.668	0	0	0	12.392
REI Met Station	7/7/2023	18:15:00 - 18:30:00	0.153	204.665	23.065	45.333	971.675	0	0	0	12.312
REI Met Station	7/7/2023	18:30:00 - 18:45:00	0.504	351.48	22.93	45.85	971.603	0	0	0	12.4
REI Met Station	7/7/2023	18:45:00 - 19:00:00	0.423	352.97	22.913	45.467	971.573	0	0	0	12.383
REI Met Station	7/7/2023	19:00:00 - 19:15:00	0.257	26.641	22.78	46.9	971.507	0	0	0.033	12.318
REI Met Station	7/7/2023	19:15:00 - 19:30:00	0.602	353.28	22.613	47.733	971.372	0	0	0	12.3
REI Met Station	7/7/2023	19:30:00 - 19:45:00	0.641	358.786	22.445	47.35	971.343	0	0	0.067	12.3
REI Met Station	7/7/2023	19:45:00 - 20:00:00	0.49	335.291	22.167	47.9	971.352	0	0	0.033	12.228
REI Met Station	7/7/2023	20:00:00 - 20:15:00	0.5	354.89	21.888	49.583	971.382	0	0	0.083	12.2
REI Met Station	7/7/2023	20:15:00 - 20:30:00	0.413	3.252	21.713	50.267	971.322	0	0	0	12.198

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/7/2023	20:30:00 - 20:45:00	0.409	353.96	21.465	51.95	971.292	0	0	0	12.132
REI Met Station	7/7/2023	20:45:00 - 21:00:00	0.327	333.33	21.155	51.8	971.253	0	0	0	12.1
REI Met Station	7/7/2023	21:00:00 - 21:15:00	0.238	334.578	20.855	52.6	971.227	0	0	0	12.1
REI Met Station	7/7/2023	21:15:00 - 21:30:00	0.227	337.823	20.547	53.533	971.273	0	0	0	12.1
REI Met Station	7/7/2023	21:30:00 - 21:45:00	0.085	3.515	20.225	54.917	971.263	0	0	0	12.1
REI Met Station	7/7/2023	21:45:00 - 22:00:00	0.067	242.32	19.908	56.667	971.3	0	0	0	12.1
REI Met Station	7/7/2023	22:00:00 - 22:15:00	0.155	82.349	19.64	60.333	971.3	0	0	0	12.097
REI Met Station	7/7/2023	22:15:00 - 22:30:00	0.094	116.947	19.44	60.967	971.308	0	0	0	12.053
REI Met Station	7/7/2023	22:30:00 - 22:45:00	0.317	245.497	19.4	59.517	971.3	0	0	0	12.073
REI Met Station	7/7/2023	22:45:00 - 23:00:00	0.018	285.592	19.268	59.967	971.298	0	0	0.067	12.033
REI Met Station	7/7/2023	23:00:00 - 23:15:00	0.219	17.818	19.037	60.75	971.367	0	0	0.1	12
REI Met Station	7/7/2023	23:15:00 - 23:30:00	0.245	24.061	18.97	63.067	971.288	0	0	0.067	12
REI Met Station	7/7/2023	23:30:00 - 23:45:00	0.049	134.212	18.568	65.067	971.12	0	0	0.15	12
REI Met Station	7/7/2023	23:45:00 - 00:00:00	0.095	170.719	18.275	65.4	971.047	0	0	0.067	12
REI Met Station	7/8/2023	00:00:00 - 00:15:00	0.082	161.244	18.148	65.667	971.105	0	0	0	12
REI Met Station	7/8/2023	00:15:00 - 00:30:00	0.048	59.881	18.173	66.117	971.2	0	0	0	12
REI Met Station	7/8/2023	00:30:00 - 00:45:00	0.045	96.281	17.923	67.167	971.327	0	0	0	12
REI Met Station	7/8/2023	00:45:00 - 01:00:00	0.033	190.108	17.893	70.333	971.345	0	0	0	12
REI Met Station	7/8/2023	01:00:00 - 01:15:00	0.18	257.871	17.852	68.567	971.377	0	0	0	12
REI Met Station	7/8/2023	01:15:00 - 01:30:00	0.209	268.896	17.742	69	971.303	0	0	0	12
REI Met Station	7/8/2023	01:30:00 - 01:45:00	0.16	355.694	17.518	69	971.223	0	0	0	12
REI Met Station	7/8/2023	01:45:00 - 02:00:00	0.063	180.721	17.053	70.533	971.197	0	0	0	12
REI Met Station	7/8/2023	02:00:00 - 02:15:00	0.206	229.371	16.752	72.683	971.105	0	0	0	12
REI Met Station	7/8/2023	02:15:00 - 02:30:00	0.181	208.505	16.915	72	971.108	0	0	0	11.997
REI Met Station	7/8/2023	02:30:00 - 02:45:00	0.293	19.424	16.88	72.567	971.095	0	0	0	11.99
REI Met Station	7/8/2023	02:45:00 - 03:00:00	0.038	236.294	16.633	73.683	971.033	0	0	0	11.983
REI Met Station	7/8/2023	03:00:00 - 03:15:00	0.359	164.017	16.118	75.717	971.032	0	0	0.067	11.962
REI Met Station	7/8/2023	03:15:00 - 03:30:00	0.281	170.827	15.582	78.367	970.915	0	0	0	11.907
REI Met Station	7/8/2023	03:30:00 - 03:45:00	0.196	156.541	15.063	79.717	970.828	0	0	0.083	11.9
REI Met Station	7/8/2023	03:45:00 - 04:00:00	0.142	142.408	14.638	81.033	970.827	0	0	0	11.9
REI Met Station	7/8/2023	04:00:00 - 04:15:00	0.169	156.132	14.217	82.717	970.84	0	0	0	11.9
REI Met Station	7/8/2023	04:15:00 - 04:30:00	0.111	123.968	14.197	84.067	971.033	0	0	0	11.9
REI Met Station	7/8/2023	04:30:00 - 04:45:00	0.095	61.038	14.455	83.517	970.995	0	0	0	11.9
REI Met Station	7/8/2023	04:45:00 - 05:00:00	0.369	183.582	13.922	84.883	970.913	0	0	0	11.9
REI Met Station	7/8/2023	05:00:00 - 05:15:00	0.242	1.619	13.778	86	971.018	0	0	0	11.9
REI Met Station	7/8/2023	05:15:00 - 05:30:00	0.088	85.518	13.788	86	971.072	0	0	0	11.9
REI Met Station	7/8/2023	05:30:00 - 05:45:00	0.062	35.769	13.687	85.917	971.062	0	0	0	11.898
REI Met Station	7/8/2023	05:45:00 - 06:00:00	0.162	254.04	13.49	86	971.09	0	0	0	11.9
REI Met Station	7/8/2023	06:00:00 - 06:15:00	0.489	28.028	13.595	86	971.27	0	0	0.067	11.895
REI Met Station	7/8/2023	06:15:00 - 06:30:00	0.227	356.18	13.483	86	971.227	0	0	0	11.887
REI Met Station	7/8/2023	06:30:00 - 06:45:00	0.286	16.998	13.075	86.633	971.308	0	0	0.067	11.885
REI Met Station	7/8/2023	06:45:00 - 07:00:00	0.449	12.958	13.032	87	971.272	0	0	0.1	11.878
REI Met Station	7/8/2023	07:00:00 - 07:15:00	0.565	13.457	13.057	87	971.268	0	0	0.067	11.888
REI Met Station	7/8/2023	07:15:00 - 07:30:00	0.457	11.547	13.18	86.767	971.292	0	0	0	11.888
REI Met Station	7/8/2023	07:30:00 - 07:45:00	0.234	15.199	13.475	85.683	971.387	0	0	0	11.897
REI Met Station	7/8/2023	07:45:00 - 08:00:00	0.091	127.503	14.242	82.917	971.303	0	0	0	11.9
REI Met Station	7/8/2023	08:00:00 - 08:15:00	0.274	190.164	15.29	78.75	971.327	0	0	0	11.905
REI Met Station	7/8/2023	08:15:00 - 08:30:00	0.044	151.754	16.348	74.267	971.248	0	0	0	11.997
REI Met Station	7/8/2023	08:30:00 - 08:45:00	0.434	51.698	17.228	71.817	971.14	0	0	0	12.042
REI Met Station	7/8/2023	08:45:00 - 09:00:00	0.52	29.279	18.035	68.167	971.17	0	0	0	12.182
REI Met Station	7/8/2023	09:00:00 - 09:15:00	0.544	29.032	18.655	66.767	971.14	0	0	0	12.357
REI Met Station	7/8/2023	09:15:00 - 09:30:00	0.766	38.703	18.873	65.367	971.102	0	0	0	12.487
REI Met Station	7/8/2023	09:30:00 - 09:45:00	0.562	39.698	19.888	63.767	971.1	0	0	0	12.617
REI Met Station	7/8/2023	09:45:00 - 10:00:00	0.685	46.821	20.803	60.533	971.067	0	0	0	12.748
REI Met Station	7/8/2023	10:00:00 - 10:15:00	0.517	42.517	21.548	58.15	970.847	0	0	0.067	12.857
REI Met Station	7/8/2023	10:15:00 - 10:30:00	0.669	24.501	21.855	55.75	970.762	0	0	0	13.032
REI Met Station	7/8/2023	10:30:00 - 10:45:00	0.892	22.787	22.533	52.833	970.707	0	0	0	13
REI Met Station	7/8/2023	10:45:00 - 11:00:00	0.973	54.969	22.598	51.65	970.54	0	0	0	12.997
REI Met Station	7/8/2023	11:00:00 - 11:15:00	0.832	21.863	22.995	50.333	970.513	0	0	0.033	13
REI Met Station	7/8/2023	11:15:00 - 11:30:00	0.856	29.206	23.468	47.433	970.508	0	0	0	12.9
REI Met Station	7/8/2023	11:30:00 - 11:45:00	0.666	56.051	24.037	47.5	970.492	0	0	0	12.9
REI Met Station	7/8/2023	11:45:00 - 12:00:00	0.972	19.291	24.287	46.9	970.415	0	0	0	12.9
REI Met Station	7/8/2023	12:00:00 - 12:15:00	0.586	4.523	24.342	45.417	970.363	0	0	0	12.837
REI Met Station	7/8/2023	12:15:00 - 12:30:00	0.314	317.022	24.493	42.933	970.382	0	0	0	12.633
REI Met Station	7/8/2023	12:30:00 - 12:45:00	0.321	353.144	25.015	42.317	970.248	0	0	0	12.39
REI Met Station	7/8/2023	12:45:00 - 13:00:00	0.551	359.833	24.22	42.6	970.195	0	0	0	12.698
REI Met Station	7/8/2023	13:00:00 - 13:15:00	0.871	11.338	25.17	38.55	970.143	0	0	0	12.867
REI Met Station	7/8/2023	13:15:00 - 13:30:00	0.901	27.143	25.032	37.117	970.082	0	0	0	12.733
REI Met Station	7/8/2023	13:30:00 - 13:45:00	0.607	279.695	25.402	37.35	969.995	0	0	0	12.825
REI Met Station	7/8/2023	13:45:00 - 14:00:00	0.822	231.737	25.38	37.217	969.977	0	0	0	12.693
REI Met Station	7/8/2023	14:00:00 - 14:15:00	0.606	15.477	25.6	36.6	969.855	0	0	0.1	12.867
REI Met Station	7/8/2023	14:15:00 - 14:30:00	0.629	328.029	25.91	35.35	969.717	0	0	0.083	12.817
REI Met Station	7/8/2023	14:30:00 - 14:45:00	0.797	333.837	26.487	35.617	969.525	0	0	0.083	12.8
REI Met Station	7/8/2023	14:45:00 - 15:00:00	0.569	359.779	26.515	36.4	969.438	0	0	0	12.517
REI Met Station	7/8/2023	15:00:00 - 15:15:00	0.614	263.158	26	34.917	969.348	0	0	0.067	12.377
REI Met Station	7/8/2023	15:15:00 - 15:30:00	0.502	346.073	26.863	33.467	969.117	0	0	0	12.3
REI Met Station	7/8/2023	15:30:00 - 15:45:00	0.652	311.366	27.098	32.15	969.098	0	0	0	12.3
REI Met Station	7/8/2023	15:45:00 - 16:00:00	0.845	315.285	27.485	32.567	969.077	0	0	0	12.298
REI Met Station	7/8/2023	16:00:00 - 16:15:00	0.391	246.463	27.437	32.2	969.027	0	0	0	12.3
REI Met Station	7/8/2023	16:15:00 - 16:30:00	0.729	333.006	27.088	32.817	968.938	0	0	0	12.3
REI Met Station	7/8/2023	16:30:00 - 16:45:00	0.444	283.09	27.93	31.917	968.832	0	0	0	12.3
REI Met Station	7/8/2023	16:45:00 - 17:00:00	0.53	256.46	28.06	31.367	968.765	0	0	0	12.3
REI Met Station	7/8/2023	17:00:00 - 17:15:00	0.675	337.738	26.948	33.7	968.773	0	0	0	12.335
REI Met Station	7/8/2023	17:15:00 - 17:30:00	1	311.406	27	32.717	968.628	0	0	0	12.36
REI Met Station	7/8/2023	17:30:00 - 17:45:00	0.82	298.083	26.5	34.733	968.595	0	0	0	12.382
REI Met Station	7/8/2023	17:45:00 - 18:00:00	0.982	276.289	26.692	34.5	968.583	0	0	0	12.405
REI Met Station	7/8/2023	18:00:00 - 18:15:00	0.951	28.515	26.26	39.1	968.563	0	0	0	12.722
REI Met Station	7/8/2023	18:15:00 - 18:30:00	1.007	31.978	24.545	45.867	968.577	0	0	0.167	12.51
REI Met Station	7/8/2023	18:30:00 - 18:45:00	0.903	27.882	23.998	46.817	968.652	0	0	0.067	12.39
REI Met Station	7/8/2023	18:45:00 - 19:00:00	1.041	31.563	23.822	47.817	968.647	0	0	0.1	12.352

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/8/2023	19:00:00 - 19:15:00	1.029	31.824	24.627	45.5	968.597	0	0	0.083	12.473
REI Met Station	7/8/2023	19:15:00 - 19:30:00	0.946	25.975	23.83	46.267	968.563	0	0	0	12.295
REI Met Station	7/8/2023	19:30:00 - 19:45:00	0.58	6.438	23.25	47.183	968.73	0	0	0	12.198
REI Met Station	7/8/2023	19:45:00 - 20:00:00	1.028	341.38	22.832	48.567	968.912	0	0	0	12.195
REI Met Station	7/8/2023	20:00:00 - 20:15:00	1.094	11.13	22.863	51.433	968.983	0	0	0	12.2
REI Met Station	7/8/2023	20:15:00 - 20:30:00	1.182	11.972	22.45	53.35	969.125	0	0	0	12.2
REI Met Station	7/8/2023	20:30:00 - 20:45:00	1.129	15.662	21.448	56.55	969.333	0	0	0	12.19
REI Met Station	7/8/2023	20:45:00 - 21:00:00	1.022	13.171	20.868	60.117	969.473	0	0	0	12.103
REI Met Station	7/8/2023	21:00:00 - 21:15:00	0.775	17.006	20.207	58.033	969.615	0	0	0	12.1
REI Met Station	7/8/2023	21:15:00 - 21:30:00	0.476	81.825	19.69	58.067	969.605	0	0	0	12.1
REI Met Station	7/8/2023	21:30:00 - 21:45:00	0.472	81.482	19.303	58.217	969.7	0	0	0	12.1
REI Met Station	7/8/2023	21:45:00 - 22:00:00	0.584	74.639	19.035	59.317	969.685	0	0	0	12.1
REI Met Station	7/8/2023	22:00:00 - 22:15:00	0.527	100.696	18.922	60.617	969.837	0	0	0	12.1
REI Met Station	7/8/2023	22:15:00 - 22:30:00	0.917	95.332	18.738	67.183	970.01	0	0	0	12.095
REI Met Station	7/8/2023	22:30:00 - 22:45:00	0.838	119.892	18.183	70.783	970.128	0	0	0	12.088
REI Met Station	7/8/2023	22:45:00 - 23:00:00	0.599	97.022	17.755	71.383	970.332	0	0	0	12.052
REI Met Station	7/8/2023	23:00:00 - 23:15:00	0.724	103.307	17.418	74.083	970.495	0	0	0.083	12.007
REI Met Station	7/8/2023	23:15:00 - 23:30:00	0.578	99.894	17.193	75.083	970.585	0	0	0	12
REI Met Station	7/8/2023	23:30:00 - 23:45:00	0.436	93.258	16.925	75.883	970.683	0	0	0	12
REI Met Station	7/8/2023	23:45:00 - 00:00:00	0.184	49.453	16.795	76.433	970.802	0	0	0	12
REI Met Station	7/9/2023	00:00:00 - 00:15:00	0.337	36.936	16.695	76.767	970.875	0	0	0	12
REI Met Station	7/9/2023	00:15:00 - 00:30:00	0.339	96.748	16.6	77	970.983	0	0	0	12
REI Met Station	7/9/2023	00:30:00 - 00:45:00	0.225	112.649	16.525	77.344	970.98	0	0	0	12
REI Met Station	7/9/2023	00:45:00 - 01:00:00	0.488	115.304	16.302	78.492	970.914	0	0	0	12
REI Met Station	7/9/2023	01:00:00 - 01:15:00	0.042	159.53	15.898	79.8	971.013	0	0	0	12
REI Met Station	7/9/2023	01:15:00 - 01:30:00	0.493	149.727	15.423	82.45	971.1	0	0	0	12
REI Met Station	7/9/2023	01:30:00 - 01:45:00	0.131	159.785	14.97	83.75	971.098	0	0	0	11.998
REI Met Station	7/9/2023	01:45:00 - 02:00:00	0.088	101.521	14.697	85.367	971.092	0	0	0	11.998
REI Met Station	7/9/2023	02:00:00 - 02:15:00	0.407	160.469	14.69	86	971.097	0	0	0	11.993
REI Met Station	7/9/2023	02:15:00 - 02:30:00	0.454	158.102	14.649	86.39	971.085	0	0	0.034	11.992
REI Met Station	7/9/2023	02:30:00 - 02:45:00	0.312	104.633	14.718	86.167	971.097	0	0	0	11.988
REI Met Station	7/9/2023	02:45:00 - 03:00:00	0.387	127.051	14.348	86.8	971.047	0	0	0	11.998
REI Met Station	7/9/2023	03:00:00 - 03:15:00	0.487	159.729	14.143	87.883	970.943	0	0	0	11.993
REI Met Station	7/9/2023	03:15:00 - 03:30:00	0.176	182.084	13.873	88.033	970.825	0	0	0	11.96
REI Met Station	7/9/2023	03:30:00 - 03:45:00	0.2	119.217	13.825	88.7	970.795	0	0	0	11.928
REI Met Station	7/9/2023	03:45:00 - 04:00:00	0.119	156.494	13.808	89.217	970.83	0	0	0	11.9
REI Met Station	7/9/2023	04:00:00 - 04:15:00	0.246	54.306	13.817	89.717	970.988	0	0	0	11.9
REI Met Station	7/9/2023	04:15:00 - 04:30:00	0.65	108.628	14.092	89.25	970.915	0	0	0	11.9
REI Met Station	7/9/2023	04:30:00 - 04:45:00	0.364	110.469	13.95	88.517	970.698	0	0	0	11.9
REI Met Station	7/9/2023	04:45:00 - 05:00:00	0.405	149.667	13.8	88.617	970.593	0	0	0	11.9
REI Met Station	7/9/2023	05:00:00 - 05:15:00	0.471	163.587	13.383	89.083	970.552	0	0	0	11.9
REI Met Station	7/9/2023	05:15:00 - 05:30:00	0.296	156.948	13.228	89.717	970.5	0	0	0	11.9
REI Met Station	7/9/2023	05:30:00 - 05:45:00	0.049	62.057	13.15	90.1	970.502	0	0	0	11.9
REI Met Station	7/9/2023	05:45:00 - 06:00:00	0.251	149.533	13.13	90.75	970.5	0	0	0	11.898
REI Met Station	7/9/2023	06:00:00 - 06:15:00	0.139	238.045	13.177	91	970.583	0	0	0.15	11.897
REI Met Station	7/9/2023	06:15:00 - 06:30:00	0.26	171.608	12.818	90.983	970.498	0	0	0.15	11.895
REI Met Station	7/9/2023	06:30:00 - 06:45:00	0.153	266.288	12.932	91	970.57	0	0	0	11.9
REI Met Station	7/9/2023	06:45:00 - 07:00:00	0.162	245.03	12.895	91.417	970.758	0	0	0	11.9
REI Met Station	7/9/2023	07:00:00 - 07:15:00	0.193	208.644	12.848	91.3	970.785	0	0	0	11.9
REI Met Station	7/9/2023	07:15:00 - 07:30:00	0.526	174.48	13.035	92	970.727	0	0	0	11.9
REI Met Station	7/9/2023	07:30:00 - 07:45:00	0.651	169.27	13.43	91.717	970.863	0	0	0	11.9
REI Met Station	7/9/2023	07:45:00 - 08:00:00	0.882	181.84	14.167	89.55	970.875	0	0	0	11.9
REI Met Station	7/9/2023	08:00:00 - 08:15:00	0.667	164.168	15.32	84.833	970.878	0	0	0	11.98
REI Met Station	7/9/2023	08:15:00 - 08:30:00	0.356	171	16.802	79.067	970.787	0	0	0	12.028
REI Met Station	7/9/2023	08:30:00 - 08:45:00	0.619	203.572	17.368	75.117	970.88	0	0	0	12.202
REI Met Station	7/9/2023	08:45:00 - 09:00:00	0.652	194.678	17.212	75.333	970.878	0	0	0	12.24
REI Met Station	7/9/2023	09:00:00 - 09:15:00	1.012	201.082	16.798	77.467	971.008	0	0	0	12.187
REI Met Station	7/9/2023	09:15:00 - 09:30:00	0.395	178.228	18.257	74.75	970.943	0	0	0	12.465
REI Met Station	7/9/2023	09:30:00 - 09:45:00	0.736	152.782	18.928	71.567	970.882	0	0	0	12.653
REI Met Station	7/9/2023	09:45:00 - 10:00:00	0.803	191.697	19.265	70.7	970.817	0	0	0.067	12.773
REI Met Station	7/9/2023	10:00:00 - 10:15:00	0.907	184.374	19.725	68.033	970.843	0	0	0	12.913
REI Met Station	7/9/2023	10:15:00 - 10:30:00	0.694	202.741	20.3	66.317	970.848	0	0	0	13.058
REI Met Station	7/9/2023	10:30:00 - 10:45:00	0.938	186.942	20.675	65.183	970.79	0	0	0	13.095
REI Met Station	7/9/2023	10:45:00 - 11:00:00	0.684	199.754	21.458	62.417	970.628	0	0	0	13.06
REI Met Station	7/9/2023	11:00:00 - 11:15:00	0.966	215.867	22.085	59.433	970.6	0	0	0	13
REI Met Station	7/9/2023	11:15:00 - 11:30:00	0.589	240.164	22.512	57.267	970.642	0	0	0	12.997
REI Met Station	7/9/2023	11:30:00 - 11:45:00	0.834	214.954	23.075	53.817	970.747	0	0	0	12.893
REI Met Station	7/9/2023	11:45:00 - 12:00:00	0.592	247.94	23.937	48.583	970.81	0	0	0	12.9
REI Met Station	7/9/2023	12:00:00 - 12:15:00	1.122	202.508	23.785	46.367	970.677	0	0	0	12.873
REI Met Station	7/9/2023	12:15:00 - 12:30:00	0.694	207.489	23.617	45.033	970.622	0	0	0	12.625
REI Met Station	7/9/2023	12:30:00 - 12:45:00	1.759	208.108	22.973	45.983	970.71	0	0	0	12.502
REI Met Station	7/9/2023	12:45:00 - 13:00:00	0.716	217.678	23.537	44.917	970.65	0	0	0	12.5
REI Met Station	7/9/2023	13:00:00 - 13:15:00	0.466	239.279	24.833	42.667	970.498	0	0	0	12.413
REI Met Station	7/9/2023	13:15:00 - 13:30:00	0.558	244.548	24.722	41.95	970.433	0	0	0	12.395
REI Met Station	7/9/2023	13:30:00 - 13:45:00	1.613	204.055	24.452	41.417	970.37	0	0	0.067	12.393
REI Met Station	7/9/2023	13:45:00 - 14:00:00	1.659	209.02	24.718	41.633	970.118	0	0	0.033	12.385
REI Met Station	7/9/2023	14:00:00 - 14:15:00	2.004	210.391	24.73	41.533	969.963	0	0	0	12.388
REI Met Station	7/9/2023	14:15:00 - 14:30:00	1.975	202.907	25.152	41.15	969.833	0	0	0	12.378
REI Met Station	7/9/2023	14:30:00 - 14:45:00	1.39	212.896	25.783	39.8	969.71	0	0	0	12.335
REI Met Station	7/9/2023	14:45:00 - 15:00:00	0.735	234.782	26.46	38.233	969.57	0	0	0	12.3
REI Met Station	7/9/2023	15:00:00 - 15:15:00	1.971	213.388	25.682	38.517	969.43	0	0	0	12.3
REI Met Station	7/9/2023	15:15:00 - 15:30:00	1.43	214.971	25.788	39.067	969.298	0	0	0	12.3
REI Met Station	7/9/2023	15:30:00 - 15:45:00	1.093	252.02	26.302	38.733	969.138	0	0	0	12.3
REI Met Station	7/9/2023	15:45:00 - 16:00:00	1.245	219.374	26.523	38.967	968.937	0	0	0	12.3
REI Met Station	7/9/2023	16:00:00 - 16:15:00	1.337	211.456	26.975	38.183	968.692	0	0	0	12.3
REI Met Station	7/9/2023	16:15:00 - 16:30:00	1.723	215.491	26.633	39	968.602	0	0	0	12.303
REI Met Station	7/9/2023	16:30:00 - 16:45:00	1.649	202.563	27.262	38.067	968.525	0	0	0	12.3
REI Met Station	7/9/2023	16:45:00 - 17:00:00	1.783	206.127	27.107	37.95	968.365	0	0	0.067	12.3
REI Met Station	7/9/2023	17:00:00 - 17:15:00	0.868	225.023	27.893	36.383	968.227	0	0	0	12.3
REI Met Station	7/9/2023	17:15:00 - 17:30:00	1.594	229.217	27.835	36.2	968.172	0	0	0.117	12.3

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/9/2023	17:30:00 - 17:45:00	1.81	216.692	27.295	37.6	968.028	0	0	0.117	12.383
REI Met Station	7/9/2023	17:45:00 - 18:00:00	1.881	217.603	27.397	37.783	967.993	0	0	0.183	12.39
REI Met Station	7/9/2023	18:00:00 - 18:15:00	1.051	240.334	27.79	37.367	967.915	0	0	0.017	12.393
REI Met Station	7/9/2023	18:15:00 - 18:30:00	0.715	241.714	27.927	37.5	967.747	0	0	0	12.398
REI Met Station	7/9/2023	18:30:00 - 18:45:00	0.881	264.735	28.108	35.383	967.658	0	0	0	12.398
REI Met Station	7/9/2023	18:45:00 - 19:00:00	1.676	220.722	27.465	37.833	967.57	0	0	0	12.4
REI Met Station	7/9/2023	19:00:00 - 19:15:00	1.15	219.904	27.452	38.367	967.517	0	0	0	12.432
REI Met Station	7/9/2023	19:15:00 - 19:30:00	1.72	217.363	26.838	39.917	967.503	0	0	0	12.367
REI Met Station	7/9/2023	19:30:00 - 19:45:00	1.543	223.282	26.735	40.233	967.435	0	0	0	12.225
REI Met Station	7/9/2023	19:45:00 - 20:00:00	0.875	233.51	26.78	39.733	967.483	0	0	0	12.2
REI Met Station	7/9/2023	20:00:00 - 20:15:00	0.807	232.369	26.393	40.65	967.485	0	0	0	12.2
REI Met Station	7/9/2023	20:15:00 - 20:30:00	1.181	220.236	25.918	41.583	967.455	0	0	0	12.2
REI Met Station	7/9/2023	20:30:00 - 20:45:00	1.24	214.044	25.302	42.783	967.417	0	0	0	12.183
REI Met Station	7/9/2023	20:45:00 - 21:00:00	1.428	209.425	24.908	43.767	967.393	0	0	0	12.103
REI Met Station	7/9/2023	21:00:00 - 21:15:00	0.971	218.548	24.572	44.25	967.45	0	0	0.033	12.1
REI Met Station	7/9/2023	21:15:00 - 21:30:00	1.019	202.561	24.207	45	967.5	0	0	0	12.1
REI Met Station	7/9/2023	21:30:00 - 21:45:00	0.947	204.327	23.963	45.967	967.563	0	0	0	12.098
REI Met Station	7/9/2023	21:45:00 - 22:00:00	1.236	209.874	23.66	47.017	967.535	0	0	0.15	12.097
REI Met Station	7/9/2023	22:00:00 - 22:15:00	1.033	204.208	23.422	47.933	967.602	0	0	0.083	12.09
REI Met Station	7/9/2023	22:15:00 - 22:30:00	1.07	201.295	23.148	48.983	967.613	0	0	0	12.1
REI Met Station	7/9/2023	22:30:00 - 22:45:00	1.106	199.72	22.888	50.05	967.692	0	0	0	12.098
REI Met Station	7/9/2023	22:45:00 - 23:00:00	0.552	184.38	22.252	52.7	967.737	0	0	0	12.088
REI Met Station	7/9/2023	23:00:00 - 23:15:00	0.551	157.283	21.393	56.117	967.702	0	0	0	12.078
REI Met Station	7/9/2023	23:15:00 - 23:30:00	0.801	200.826	21.482	55.567	967.653	0	0	0	12.003
REI Met Station	7/9/2023	23:30:00 - 23:45:00	0.841	185.303	21.495	55.017	967.595	0	0	0	12
REI Met Station	7/9/2023	23:45:00 - 00:00:00	1.2	201.596	21.437	55.533	967.48	0	0	0	12
REI Met Station	7/10/2023	00:00:00 - 00:15:00	1.231	203.07	21.4	55.867	967.397	0	0	0	12
REI Met Station	7/10/2023	00:15:00 - 00:30:00	1.153	202.614	21.23	56.5	967.272	0	0	0	12
REI Met Station	7/10/2023	00:30:00 - 00:45:00	1.008	195.749	20.782	58.283	967.258	0	0	0	12
REI Met Station	7/10/2023	00:45:00 - 01:00:00	1.115	197.575	20.587	59.133	967.195	0	0	0	12
REI Met Station	7/10/2023	01:00:00 - 01:15:00	1.081	192.29	20.427	59.85	967.113	0	0	0	12
REI Met Station	7/10/2023	01:15:00 - 01:30:00	1.073	202.242	20.51	59.817	967.107	0	0	0	11.998
REI Met Station	7/10/2023	01:30:00 - 01:45:00	0.939	201.489	20.322	60.433	967.102	0	0	0	11.998
REI Met Station	7/10/2023	01:45:00 - 02:00:00	0.826	190.126	20.235	60.8	967.095	0	0	0.017	11.995
REI Met Station	7/10/2023	02:00:00 - 02:15:00	1.258	204.367	20.22	61.1	966.967	0	0	0	11.992
REI Met Station	7/10/2023	02:15:00 - 02:30:00	1.066	198.585	20.315	60.667	966.88	0	0	0	11.995
REI Met Station	7/10/2023	02:30:00 - 02:45:00	1.158	200.363	20.253	60.25	966.805	0	0	0	11.978
REI Met Station	7/10/2023	02:45:00 - 03:00:00	1.597	201.499	20.333	60	966.788	0	0	0	11.952
REI Met Station	7/10/2023	03:00:00 - 03:15:00	1.321	207.624	20.4	59.683	966.987	0	0	0	11.905
REI Met Station	7/10/2023	03:15:00 - 03:30:00	0.863	205.139	20.357	59.6	966.975	0	0	0	11.9
REI Met Station	7/10/2023	03:30:00 - 03:45:00	0.813	209.654	20.367	58.983	966.865	0	0	0	11.9
REI Met Station	7/10/2023	03:45:00 - 04:00:00	0.76	218.675	20.37	58.167	966.793	0	0	0	11.9
REI Met Station	7/10/2023	04:00:00 - 04:15:00	0.898	194.407	20.362	58	966.7	0	0	0	11.9
REI Met Station	7/10/2023	04:15:00 - 04:30:00	0.876	197.932	20.162	58.25	966.617	0	0	0	11.9
REI Met Station	7/10/2023	04:30:00 - 04:45:00	0.768	193.269	19.803	59.717	966.598	0	0	0	11.9
REI Met Station	7/10/2023	04:45:00 - 05:00:00	0.968	193.368	19.74	59.867	966.448	0	0	0.033	11.9
REI Met Station	7/10/2023	05:00:00 - 05:15:00	1.291	196.582	19.598	60.733	966.39	0	0	0.1	11.9
REI Met Station	7/10/2023	05:15:00 - 05:30:00	1.487	197.57	19.418	61.6	966.275	0	0	0.067	11.9
REI Met Station	7/10/2023	05:30:00 - 05:45:00	1.061	190.437	19.245	62.317	966.29	0	0	0	11.893
REI Met Station	7/10/2023	05:45:00 - 06:00:00	1.075	192.399	19.072	63.083	966.252	0	0	0.067	11.893
REI Met Station	7/10/2023	06:00:00 - 06:15:00	0.959	187.105	18.855	64.567	966.38	0	0	0.083	11.897
REI Met Station	7/10/2023	06:15:00 - 06:30:00	0.872	173.126	18.768	64.8	966.402	0	0	0	11.898
REI Met Station	7/10/2023	06:30:00 - 06:45:00	1.101	173.146	18.575	65.933	966.398	0	0	0	11.898
REI Met Station	7/10/2023	06:45:00 - 07:00:00	1.117	188.084	18.568	66	966.423	0	0	0	11.9
REI Met Station	7/10/2023	07:00:00 - 07:15:00	0.906	175.928	18.497	66.267	966.635	0	0	0	11.9
REI Met Station	7/10/2023	07:15:00 - 07:30:00	0.85	160.94	18.535	67	966.683	0	0	0	11.9
REI Met Station	7/10/2023	07:30:00 - 07:45:00	0.987	187.723	18.708	66.133	966.818	0	0	0	11.9
REI Met Station	7/10/2023	07:45:00 - 08:00:00	0.658	156.584	18.915	66.45	966.927	0	0	0	11.9
REI Met Station	7/10/2023	08:00:00 - 08:15:00	0.707	179.274	19.613	64.417	966.923	0	0	0	11.958
REI Met Station	7/10/2023	08:15:00 - 08:30:00	1.043	197.286	19.883	63.25	966.935	0	0	0	11.962
REI Met Station	7/10/2023	08:30:00 - 08:45:00	1.602	206.454	20.45	62.2	966.745	0	0	0	12.033
REI Met Station	7/10/2023	08:45:00 - 09:00:00	1.715	206.102	21.097	60.283	966.772	0	0	0	12.197
REI Met Station	7/10/2023	09:00:00 - 09:15:00	0.9	210.505	21.583	59.7	966.853	0	0	0	12.3
REI Met Station	7/10/2023	09:15:00 - 09:30:00	0.538	222.38	22.337	58.25	967.25	0	0	0	12.382
REI Met Station	7/10/2023	09:30:00 - 09:45:00	0.756	222.319	22.615	57.767	967.303	0	0	0	12.425
REI Met Station	7/10/2023	09:45:00 - 10:00:00	0.953	197.732	23.853	55.717	967.112	0	0	0.083	12.643
REI Met Station	7/10/2023	10:00:00 - 10:15:00	1.365	212.287	24.153	54.633	966.992	0	0	0.017	12.77
REI Met Station	7/10/2023	10:15:00 - 10:30:00	1.571	209.767	24.483	53.1	966.918	0	0	0	12.652
REI Met Station	7/10/2023	10:30:00 - 10:45:00	0.93	233.133	24.28	54.483	966.915	0	0	0	12.605
REI Met Station	7/10/2023	10:45:00 - 11:00:00	0.975	221.033	24.853	53.35	966.888	0	0	0	12.663
REI Met Station	7/10/2023	11:00:00 - 11:15:00	0.917	210.357	24.922	53.217	966.878	0	0	0	12.623
REI Met Station	7/10/2023	11:15:00 - 11:30:00	1.023	212.105	25.11	53.1	966.818	0	0	0	12.737
REI Met Station	7/10/2023	11:30:00 - 11:45:00	1.45	216.736	25.82	51.6	966.798	0	0	0	12.918
REI Met Station	7/10/2023	11:45:00 - 12:00:00	1.093	228.671	26.327	50.7	966.717	0	0	0	12.897
REI Met Station	7/10/2023	12:00:00 - 12:15:00	1.38	218.505	26.957	49.333	966.682	0	0	0	12.833
REI Met Station	7/10/2023	12:15:00 - 12:30:00	0.903	214.028	27.883	48.267	966.518	0	0	0	12.383
REI Met Station	7/10/2023	12:30:00 - 12:45:00	1.865	210.614	27.773	48.4	966.43	0	0	0	12.3
REI Met Station	7/10/2023	12:45:00 - 13:00:00	2.416	210.89	27.692	48.483	966.268	0	0	0	12.3
REI Met Station	7/10/2023	13:00:00 - 13:15:00	2.159	209.077	28.335	47.267	966.11	0	0	0	12.3
REI Met Station	7/10/2023	13:15:00 - 13:30:00	2.288	208.944	28.73	46	966.038	0	0	0.067	12.3
REI Met Station	7/10/2023	13:30:00 - 13:45:00	1.941	215.865	29.12	44.95	965.903	0	0	0	12.285
REI Met Station	7/10/2023	13:45:00 - 14:00:00	2.262	209.109	29.648	44.017	965.843	0	0	0	12.233
REI Met Station	7/10/2023	14:00:00 - 14:15:00	2.605	210.516	29.345	44.25	965.74	0	0	0	12.24
REI Met Station	7/10/2023	14:15:00 - 14:30:00	1.944	216.073	29.897	43.35	965.608	0	0	0	12.275
REI Met Station	7/10/2023	14:30:00 - 14:45:00	2.506	215.974	30.28	40.783	965.448	0	0	0	12.265
REI Met Station	7/10/2023	14:45:00 - 15:00:00	2.394	213.694	30.505	40.133	965.31	0	0	0	12.27
REI Met Station	7/10/2023	15:00:00 - 15:15:00	2.176	220.723	31.018	37.783	965.215	0	0	0	12.265
REI Met Station	7/10/2023	15:15:00 - 15:30:00	1.867	225.108	31.51	35.667	965.105	0	0	0	12.218
REI Met Station	7/10/2023	15:30:00 - 15:45:00	2.335	223.904	31.017	35.8	964.953	0	0	0	12.265
REI Met Station	7/10/2023	15:45:00 - 16:00:00	2.224	223.173	31.567	33.8	964.93	0	0	0	12.252

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/10/2023	16:00:00 - 16:15:00	2.086	223.754	31.558	32.95	964.885	0	0	0	12.273
REI Met Station	7/10/2023	16:15:00 - 16:30:00	2.155	220.326	31.982	33.183	964.803	0	0	0	12.255
REI Met Station	7/10/2023	16:30:00 - 16:45:00	3.065	214.235	31.445	33.633	964.793	0	0	0	12.275
REI Met Station	7/10/2023	16:45:00 - 17:00:00	2.226	216.142	31.763	34.233	964.733	0	0	0	12.267
REI Met Station	7/10/2023	17:00:00 - 17:15:00	2.816	211.502	31.932	34.033	964.702	0	0	0	12.267
REI Met Station	7/10/2023	17:15:00 - 17:30:00	1.786	225.912	31.685	34.467	964.707	0	0	0	12.29
REI Met Station	7/10/2023	17:30:00 - 17:45:00	1.696	221.713	32.163	35.15	964.65	0	0	0	12.263
REI Met Station	7/10/2023	17:45:00 - 18:00:00	2.166	213.346	32.035	36.067	964.643	0	0	0.167	12.222
REI Met Station	7/10/2023	18:00:00 - 18:15:00	2.742	216.578	31.412	36.1	964.635	0	0	0	12.295
REI Met Station	7/10/2023	18:15:00 - 18:30:00	2.177	217.222	31.407	36.367	964.567	0	0	0	12.3
REI Met Station	7/10/2023	18:30:00 - 18:45:00	2.486	214.41	31.465	36.667	964.402	0	0	0	12.3
REI Met Station	7/10/2023	18:45:00 - 19:00:00	2.033	215.437	31.187	37.833	964.318	0	0	0	12.3
REI Met Station	7/10/2023	19:00:00 - 19:15:00	1.726	208.653	31.35	38.233	964.128	0	0	0	12.3
REI Met Station	7/10/2023	19:15:00 - 19:30:00	2.321	211.388	30.9	39.167	963.748	0	0	0	12.268
REI Met Station	7/10/2023	19:30:00 - 19:45:00	2.159	213.24	30.367	42.067	963.462	0	0	0	12.2
REI Met Station	7/10/2023	19:45:00 - 20:00:00	1.562	210.172	29.743	43.95	963.69	0	0	0	12.147
REI Met Station	7/10/2023	20:00:00 - 20:15:00	2.054	215.122	29.232	45.65	964.085	0	0	0	12.1
REI Met Station	7/10/2023	20:15:00 - 20:30:00	1.678	214.512	28.925	47.2	964.18	0	0	0	12.1
REI Met Station	7/10/2023	20:30:00 - 20:45:00	1.602	208.469	28.64	48.617	964.135	0	0	0	12.1
REI Met Station	7/10/2023	20:45:00 - 21:00:00	1.711	208.821	28.317	49.983	963.878	0	0	0	12.1
REI Met Station	7/10/2023	21:00:00 - 21:15:00	2.205	214.223	28.03	50.983	963.615	0	0	0.067	12.1
REI Met Station	7/10/2023	21:15:00 - 21:30:00	2.221	212.073	27.845	51.85	963.652	0	0	0	12.095
REI Met Station	7/10/2023	21:30:00 - 21:45:00	2.09	215.391	27.653	52.683	963.578	0	0	0	12.087
REI Met Station	7/10/2023	21:45:00 - 22:00:00	2.854	212.643	27.403	53.533	962.955	0	0	0.2	12.09
REI Met Station	7/10/2023	22:00:00 - 22:15:00	1.57	215.486	27.202	54.6	963.76	0	0	0	12.095
REI Met Station	7/10/2023	22:15:00 - 22:30:00	0.603	328.512	22.693	70.783	965.44	0.071	1.071	0	12.075
REI Met Station	7/10/2023	22:30:00 - 22:45:00	1.098	242.232	18.342	86.45	967.022	0.163	10.267	0	12.007
REI Met Station	7/10/2023	22:45:00 - 23:00:00	0.202	59.939	17.642	90.483	967.852	0.004	14.142	0	12
REI Met Station	7/10/2023	23:00:00 - 23:15:00	0.317	345.15	17.462	91	967.915	0	14.25	0	12
REI Met Station	7/10/2023	23:15:00 - 23:30:00	0.62	2.88	16.802	91	967.033	0	14.25	0	12
REI Met Station	7/10/2023	23:30:00 - 23:45:00	0.128	233.468	16.422	91	967.467	0	14.25	0	12
REI Met Station	7/10/2023	23:45:00 - 00:00:00	0.284	229.042	16.008	91.05	967.973	0	14.25	0	12
REI Met Station	7/11/2023	00:00:00 - 00:15:00	0.481	176.765	15.838	90.9	968.532	0	0	0	11.998
REI Met Station	7/11/2023	00:15:00 - 00:30:00	0.592	190.522	15.463	90.317	968.225	0	0	0	12
REI Met Station	7/11/2023	00:30:00 - 00:45:00	0.746	249.353	15.21	89.867	968.58	0	0	0	11.985
REI Met Station	7/11/2023	00:45:00 - 01:00:00	0.552	123.366	14.51	89.7	968.522	0.067	3.204	0.083	11.94
REI Met Station	7/11/2023	01:00:00 - 01:15:00	0.332	190.51	14.162	91.133	969.083	0.004	4.138	0.083	11.9
REI Met Station	7/11/2023	01:15:00 - 01:30:00	0.943	207.301	14.232	91.333	969.737	0	4.25	0	11.9
REI Met Station	7/11/2023	01:30:00 - 01:45:00	0.328	125.334	14.01	91.283	969.453	0	4.25	0.083	11.9
REI Met Station	7/11/2023	01:45:00 - 02:00:00	0.174	15.899	14.052	91.95	969.153	0.004	4.379	0	11.9
REI Met Station	7/11/2023	02:00:00 - 02:15:00	0.255	121.313	14.005	92	969.287	0	4.5	0	11.9
REI Met Station	7/11/2023	02:15:00 - 02:30:00	0.276	150.231	14.042	92	969.338	0	4.5	0	11.9
REI Met Station	7/11/2023	02:30:00 - 02:45:00	0.215	87.425	13.887	91.95	969.545	0	4.5	0	11.9
REI Met Station	7/11/2023	02:45:00 - 03:00:00	0.165	14.644	13.848	92	969.372	0	4.5	0	11.9
REI Met Station	7/11/2023	03:00:00 - 03:15:00	0.112	177.921	13.775	91.75	969.402	0	4.5	0	11.9
REI Met Station	7/11/2023	03:15:00 - 03:30:00	0.054	0.276	13.628	91	969.21	0	4.5	0	11.9
REI Met Station	7/11/2023	03:30:00 - 03:45:00	0.096	136.324	13.4	91.65	968.967	0	4.5	0	11.897
REI Met Station	7/11/2023	03:45:00 - 04:00:00	0.161	11.249	13.38	92	968.898	0	4.5	0	11.897
REI Met Station	7/11/2023	04:00:00 - 04:15:00	0.055	205.311	13.178	92	968.983	0	4.5	0	11.885
REI Met Station	7/11/2023	04:15:00 - 04:30:00	0.088	177.091	12.993	92	969.025	0	4.5	0	11.847
REI Met Station	7/11/2023	04:30:00 - 04:45:00	0.168	164.222	12.768	91.967	968.962	0	4.5	0.1	11.802
REI Met Station	7/11/2023	04:45:00 - 05:00:00	0.209	105.011	12.532	91.983	969.137	0	4.5	0.033	11.8
REI Met Station	7/11/2023	05:00:00 - 05:15:00	0.074	80.362	12.373	90.65	969.475	0	4.5	0.017	11.8
REI Met Station	7/11/2023	05:15:00 - 05:30:00	0.305	100.087	12.172	89.8	969.88	0	4.5	0.067	11.8
REI Met Station	7/11/2023	05:30:00 - 05:45:00	0.111	225.851	11.867	89	970.195	0	4.5	0	11.8
REI Met Station	7/11/2023	05:45:00 - 06:00:00	0.214	184.648	11.42	88.5	970.407	0	4.5	0	11.8
REI Met Station	7/11/2023	06:00:00 - 06:15:00	0.234	244.866	11.227	89	970.643	0	4.5	0	11.8
REI Met Station	7/11/2023	06:15:00 - 06:30:00	0.118	157.279	10.823	89	970.885	0	4.5	0	11.8
REI Met Station	7/11/2023	06:30:00 - 06:45:00	0.241	176.284	10.407	89.917	970.968	0	4.5	0	11.8
REI Met Station	7/11/2023	06:45:00 - 07:00:00	0.269	183.203	10.378	90	970.932	0	4.5	0	11.8
REI Met Station	7/11/2023	07:00:00 - 07:15:00	0.243	218.555	10.53	90	971.133	0	4.5	0	11.8
REI Met Station	7/11/2023	07:15:00 - 07:30:00	0.247	236.642	10.752	89.483	971.342	0	4.5	0	11.8
REI Met Station	7/11/2023	07:30:00 - 07:45:00	0.178	247.554	10.873	88.733	971.445	0	4.5	0	11.8
REI Met Station	7/11/2023	07:45:00 - 08:00:00	0.242	254.365	11.235	87.167	971.453	0	4.5	0	11.88
REI Met Station	7/11/2023	08:00:00 - 08:15:00	0.145	291.935	11.808	84.667	971.532	0	4.5	0	11.9
REI Met Station	7/11/2023	08:15:00 - 08:30:00	0.184	339.277	12.488	81.983	971.577	0	4.5	0	11.92
REI Met Station	7/11/2023	08:30:00 - 08:45:00	0.322	15.96	13.093	79.383	971.667	0	4.5	0	12.003
REI Met Station	7/11/2023	08:45:00 - 09:00:00	0.685	44.811	13.668	76.183	971.638	0	4.5	0	12.123
REI Met Station	7/11/2023	09:00:00 - 09:15:00	0.689	59.803	14.267	72.75	971.688	0	4.5	0	12.267
REI Met Station	7/11/2023	09:15:00 - 09:30:00	0.754	63.748	14.882	68.933	971.733	0	4.5	0.083	12.455
REI Met Station	7/11/2023	09:30:00 - 09:45:00	0.768	51.874	15.25	66.767	971.698	0	4.5	0.067	12.62
REI Met Station	7/11/2023	09:45:00 - 10:00:00	0.856	63.101	15.647	64.817	971.702	0	4.5	0.033	12.748
REI Met Station	7/11/2023	10:00:00 - 10:15:00	0.982	52.295	16.07	62.633	971.787	0	4.5	0.1	12.858
REI Met Station	7/11/2023	10:15:00 - 10:30:00	0.368	0.83	16.8	59.067	971.942	0	4.5	0	13.063
REI Met Station	7/11/2023	10:30:00 - 10:45:00	0.949	43.072	16.947	54.717	972.058	0	4.5	0	13.2
REI Met Station	7/11/2023	10:45:00 - 11:00:00	0.91	18.236	17.338	54.833	972.085	0	4.5	0	13.198
REI Met Station	7/11/2023	11:00:00 - 11:15:00	1.046	32.09	17.632	54.25	972.037	0	4.5	0	13.19
REI Met Station	7/11/2023	11:15:00 - 11:30:00	0.738	12.318	18.075	52.917	972.202	0	4.5	0	13.122
REI Met Station	7/11/2023	11:30:00 - 11:45:00	0.702	30.194	18.333	51.283	972.153	0	4.5	0	13.1
REI Met Station	7/11/2023	11:45:00 - 12:00:00	0.834	25.025	18.247	52.383	972.187	0	4.5	0	13.095
REI Met Station	7/11/2023	12:00:00 - 12:15:00	0.798	23.167	18.748	51.75	972.222	0	4.5	0.083	13.088
REI Met Station	7/11/2023	12:15:00 - 12:30:00	0.511	336.017	19.18	50.4	972.327	0	4.5	0	13.048
REI Met Station	7/11/2023	12:30:00 - 12:45:00	0.876	36.249	19.513	49.933	972.427	0	4.5	0	12.572
REI Met Station	7/11/2023	12:45:00 - 13:00:00	0.527	15.582	19.73	48.667	972.368	0	4.5	0	12.5
REI Met Station	7/11/2023	13:00:00 - 13:15:00	0.909	6.38	20.173	47.683	972.208	0	4.5	0	12.498
REI Met Station	7/11/2023	13:15:00 - 13:30:00	0.526	351.074	20.405	45.917	972.095	0	4.5	0	12.423
REI Met Station	7/11/2023	13:30:00 - 13:45:00	0.804	42.251	20.587	44.733	972.165	0	4.5	0	12.4
REI Met Station	7/11/2023	13:45:00 - 14:00:00	0.918	17.198	21.055	44.3	972.097	0	4.5	0	12.4
REI Met Station	7/11/2023	14:00:00 - 14:15:00	0.394	322.538	21.44	43.667	972.007	0	4.5	0	12.4
REI Met Station	7/11/2023	14:15:00 - 14:30:00	0.555	357.349	21.983	41.133	972.165	0	4.5	0	12.4

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/11/2023	14:30:00 - 14:45:00	0.61	25.296	22.198	42.033	972.19	0	4.5	0	12.397
REI Met Station	7/11/2023	14:45:00 - 15:00:00	0.571	327.099	22.59	40.183	972.185	0	4.5	0	12.362
REI Met Station	7/11/2023	15:00:00 - 15:15:00	0.804	0.233	22.553	40.65	972.05	0	4.5	0	12.4
REI Met Station	7/11/2023	15:15:00 - 15:30:00	0.478	231.703	23.492	38.883	971.955	0	4.5	0	12.398
REI Met Station	7/11/2023	15:30:00 - 15:45:00	0.803	28.896	23.49	39.517	972.028	0	4.5	0	12.35
REI Met Station	7/11/2023	15:45:00 - 16:00:00	1.029	9.788	22.832	39.767	972.085	0	4.5	0	12.4
REI Met Station	7/11/2023	16:00:00 - 16:15:00	0.72	7.707	23.188	40.15	971.913	0	4.5	0.083	12.4
REI Met Station	7/11/2023	16:15:00 - 16:30:00	0.199	353.268	23.193	38.383	971.808	0	4.5	0.083	12.41
REI Met Station	7/11/2023	16:30:00 - 16:45:00	0.277	58.652	24.185	37.883	971.702	0	4.5	0	12.357
REI Met Station	7/11/2023	16:45:00 - 17:00:00	0.591	3.826	24.217	37.8	971.707	0	4.5	0	12.36
REI Met Station	7/11/2023	17:00:00 - 17:15:00	0.153	41.833	23.708	37.517	971.797	0	4.5	0	12.4
REI Met Station	7/11/2023	17:15:00 - 17:30:00	0.642	28.659	24.357	38.7	971.835	0	4.5	0	12.4
REI Met Station	7/11/2023	17:30:00 - 17:45:00	0.432	13.735	24.303	38.717	971.843	0	4.5	0	12.4
REI Met Station	7/11/2023	17:45:00 - 18:00:00	0.753	47.349	24.165	39.4	971.883	0	4.5	0	12.4
REI Met Station	7/11/2023	18:00:00 - 18:15:00	0.782	36.542	23.9	40.6	971.842	0	4.5	0	12.475
REI Met Station	7/11/2023	18:15:00 - 18:30:00	0.724	23.871	23.817	40.433	971.842	0	4.5	0	12.5
REI Met Station	7/11/2023	18:30:00 - 18:45:00	0.738	15.767	23.652	40.75	971.513	0	4.5	0	12.5
REI Met Station	7/11/2023	18:45:00 - 19:00:00	0.66	37.025	23.72	41.167	971.555	0	4.5	0	12.5
REI Met Station	7/11/2023	19:00:00 - 19:15:00	0.688	21.307	23.875	39.267	971.495	0	4.5	0	12.502
REI Met Station	7/11/2023	19:15:00 - 19:30:00	0.486	22.651	23.393	39.483	971.65	0	4.5	0	12.422
REI Met Station	7/11/2023	19:30:00 - 19:45:00	0.406	343.225	22.52	40.733	971.668	0	4.5	0	12.3
REI Met Station	7/11/2023	19:45:00 - 20:00:00	0.409	347.808	21.922	41.933	971.735	0	4.5	0.067	12.253
REI Met Station	7/11/2023	20:00:00 - 20:15:00	0.466	343.918	21.853	42.333	972	0	4.5	0	12.223
REI Met Station	7/11/2023	20:15:00 - 20:30:00	0.351	304.17	21.742	42.233	972.067	0	4.5	0.1	12.2
REI Met Station	7/11/2023	20:30:00 - 20:45:00	0.508	338.34	21.748	42.317	971.997	0	4.5	0.083	12.2
REI Met Station	7/11/2023	20:45:00 - 21:00:00	0.567	340.326	21.368	43.017	972.005	0	4.5	0.1	12.142
REI Met Station	7/11/2023	21:00:00 - 21:15:00	0.261	345.385	20.493	44.717	972.073	0	4.5	0.083	12.1
REI Met Station	7/11/2023	21:15:00 - 21:30:00	0.165	341.917	19.908	47.483	972.16	0	4.5	0	12.1
REI Met Station	7/11/2023	21:30:00 - 21:45:00	0.115	359.308	19.422	49.4	972.043	0	4.5	0	12.1
REI Met Station	7/11/2023	21:45:00 - 22:00:00	0.242	0.204	19.177	50.233	972.34	0	4.5	0	12.1
REI Met Station	7/11/2023	22:00:00 - 22:15:00	0.342	14.24	19.338	50.05	972.475	0	4.5	0	12.093
REI Met Station	7/11/2023	22:15:00 - 22:30:00	0.134	48.942	19.073	51.267	972.442	0	4.5	0	12.098
REI Met Station	7/11/2023	22:30:00 - 22:45:00	0.259	76.566	18.91	55.517	972.53	0	4.5	0	12.093
REI Met Station	7/11/2023	22:45:00 - 23:00:00	0.441	85.147	18.785	56.6	972.417	0	4.5	0	12.077
REI Met Station	7/11/2023	23:00:00 - 23:15:00	0.46	95.186	18.672	58.383	972.302	0	4.5	0	12.013
REI Met Station	7/11/2023	23:15:00 - 23:30:00	0.474	108.634	18.633	58.35	972.063	0	4.5	0	12
REI Met Station	7/11/2023	23:30:00 - 23:45:00	0.336	82.957	18.43	60.883	971.918	0	4.5	0	12
REI Met Station	7/11/2023	23:45:00 - 00:00:00	0.128	37.214	18.578	56.6	972.455	0	4.5	0	12
REI Met Station	7/12/2023	00:00:00 - 00:15:00	0.543	136.552	18.637	58.8	972.453	0	0	0	12
REI Met Station	7/12/2023	00:15:00 - 00:30:00	0.287	160.373	18.397	60.833	972.725	0	0	0.017	12
REI Met Station	7/12/2023	00:30:00 - 00:45:00	0.251	166.276	18.192	63.3	972.792	0	0	0	12
REI Met Station	7/12/2023	00:45:00 - 01:00:00	0.338	186.397	18.23	65.1	973.142	0	0	0.067	12
REI Met Station	7/12/2023	01:00:00 - 01:15:00	0.339	185.919	18.1	65.983	973.413	0	0	0	12
REI Met Station	7/12/2023	01:15:00 - 01:30:00	0.543	170.313	17.597	66.667	973.395	0	0	0	12
REI Met Station	7/12/2023	01:30:00 - 01:45:00	0.201	186.504	17.242	68.283	973.325	0	0	0	12
REI Met Station	7/12/2023	01:45:00 - 02:00:00	0.185	151.306	17.017	70.65	973.297	0	0	0	12
REI Met Station	7/12/2023	02:00:00 - 02:15:00	0.204	121.046	16.807	74.15	973.28	0	0	0	11.998
REI Met Station	7/12/2023	02:15:00 - 02:30:00	0.336	50.692	16.812	76.75	973.262	0	0	0	12
REI Met Station	7/12/2023	02:30:00 - 02:45:00	0.733	35.074	16.937	75.017	972.833	0	0	0	11.998
REI Met Station	7/12/2023	02:45:00 - 03:00:00	0.386	104.276	16.673	73.833	972.637	0	0	0	11.957
REI Met Station	7/12/2023	03:00:00 - 03:15:00	0.515	34.344	16.793	71.15	972.72	0	0	0	11.91
REI Met Station	7/12/2023	03:15:00 - 03:30:00	0.516	43.082	16.967	71.783	972.752	0	0	0	11.9
REI Met Station	7/12/2023	03:30:00 - 03:45:00	0.425	82.41	16.655	72.183	972.777	0	0	0	11.9
REI Met Station	7/12/2023	03:45:00 - 04:00:00	0.722	49.651	16.548	69.417	972.895	0	0	0.083	11.9
REI Met Station	7/12/2023	04:00:00 - 04:15:00	0.402	90.325	16.438	68.95	972.725	0	0	0	11.9
REI Met Station	7/12/2023	04:15:00 - 04:30:00	0.503	76.178	16.5	65.5	972.507	0	0	0.017	11.9
REI Met Station	7/12/2023	04:30:00 - 04:45:00	0.517	109.401	16.507	64.217	972.303	0	0	0	11.9
REI Met Station	7/12/2023	04:45:00 - 05:00:00	0.646	94.894	16.615	62.317	972.188	0	0	0	11.9
REI Met Station	7/12/2023	05:00:00 - 05:15:00	0.511	72.662	16.422	62.45	972.287	0	0	0	11.9
REI Met Station	7/12/2023	05:15:00 - 05:30:00	0.312	107.253	15.583	66.383	972.397	0	0	0	11.9
REI Met Station	7/12/2023	05:30:00 - 05:45:00	0.144	146.408	14.922	70.067	972.422	0	0	0	11.898
REI Met Station	7/12/2023	05:45:00 - 06:00:00	0.184	199.114	14.343	73.067	972.338	0	0	0	11.898
REI Met Station	7/12/2023	06:00:00 - 06:15:00	0.426	87.45	14.247	74	972.082	0	0	0	11.895
REI Met Station	7/12/2023	06:15:00 - 06:30:00	0.157	89.762	14.127	73.833	972.072	0	0	0	11.832
REI Met Station	7/12/2023	06:30:00 - 06:45:00	0.493	111.775	14.26	72.867	971.847	0	0	0	11.802
REI Met Station	7/12/2023	06:45:00 - 07:00:00	0.285	103.786	14.283	72.5	971.685	0	0	0	11.8
REI Met Station	7/12/2023	07:00:00 - 07:15:00	0.064	50.653	14.275	73.1	971.872	0	0	0	11.8
REI Met Station	7/12/2023	07:15:00 - 07:30:00	0.501	139.331	14.713	72.067	972.11	0	0	0	11.8
REI Met Station	7/12/2023	07:30:00 - 07:45:00	0.293	177.045	15.28	70.783	972.088	0	0	0	11.82
REI Met Station	7/12/2023	07:45:00 - 08:00:00	0.341	178.592	15.987	68.167	972.228	0	0	0	11.888
REI Met Station	7/12/2023	08:00:00 - 08:15:00	0.66	113.479	16.673	66.083	972.212	0	0	0.067	11.908
REI Met Station	7/12/2023	08:15:00 - 08:30:00	0.475	101.272	18.313	60.983	972.017	0	0	0.083	12.008
REI Met Station	7/12/2023	08:30:00 - 08:45:00	0.706	114.903	18.3	59.367	971.978	0	0	0	12.055
REI Met Station	7/12/2023	08:45:00 - 09:00:00	0.555	102.991	19.16	57.883	972.093	0	0	0.133	12.218
REI Met Station	7/12/2023	09:00:00 - 09:15:00	0.71	104.925	19.683	56.567	971.797	0	0	0	12.37
REI Met Station	7/12/2023	09:15:00 - 09:30:00	0.752	83.685	20.047	55.367	971.513	0	0	0.083	12.562
REI Met Station	7/12/2023	09:30:00 - 09:45:00	0.843	108.27	20.475	54.217	971.073	0	0	0	12.64
REI Met Station	7/12/2023	09:45:00 - 10:00:00	1.089	108.443	20.61	52.517	971.048	0	0	0	12.69
REI Met Station	7/12/2023	10:00:00 - 10:15:00	0.795	82.383	20.453	53.167	971.105	0	0	0	12.547
REI Met Station	7/12/2023	10:15:00 - 10:30:00	0.637	121.519	20.59	54.667	971.218	0	0	0	12.522
REI Met Station	7/12/2023	10:30:00 - 10:45:00	0.484	127.018	20.535	58.2	971.148	0	0	0	12.568
REI Met Station	7/12/2023	10:45:00 - 11:00:00	0.442	125.699	19.813	60.55	971.203	0	0	0	12.453
REI Met Station	7/12/2023	11:00:00 - 11:15:00	0.506	114.331	19.805	62.55	970.942	0	0	0	12.458
REI Met Station	7/12/2023	11:15:00 - 11:30:00	0.402	86.16	19.747	62.083	970.837	0	0	0	12.393
REI Met Station	7/12/2023	11:30:00 - 11:45:00	0.674	110.24	19.528	62.55	970.465	0	0	0	12.397
REI Met Station	7/12/2023	11:45:00 - 12:00:00	0.928	101.663	19.525	62.233	970.303	0	0	0	12.483
REI Met Station	7/12/2023	12:00:00 - 12:15:00	0.838	98.642	19.753	62.65	970.227	0	0	0	12.558
REI Met Station	7/12/2023	12:15:00 - 12:30:00	0.802	103.262	19.987	60.933	970.215	0	0	0	12.6
REI Met Station	7/12/2023	12:30:00 - 12:45:00	0.621	102.484	20.008	60.783	970.402	0	0	0	12.593
REI Met Station	7/12/2023	12:45:00 - 13:00:00	0.425	139.297	20.198	60.067	970.812	0	0	0	12.597

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/12/2023	13:00:00 - 13:15:00	0.564	78.445	20.243	60.15	970.727	0	0	0	12.592
REI Met Station	7/12/2023	13:15:00 - 13:30:00	0.255	110.774	20.122	60.517	970.54	0	0	0	12.5
REI Met Station	7/12/2023	13:30:00 - 13:45:00	0.426	79.771	20.027	62.333	970.41	0	0	0	12.495
REI Met Station	7/12/2023	13:45:00 - 14:00:00	0.493	97.994	19.945	62.8	970.202	0	0	0	12.43
REI Met Station	7/12/2023	14:00:00 - 14:15:00	0.594	85.987	19.867	63.833	970.17	0	0	0	12.4
REI Met Station	7/12/2023	14:15:00 - 14:30:00	0.749	99.669	19.772	64.9	969.952	0	0	0	12.4
REI Met Station	7/12/2023	14:30:00 - 14:45:00	0.822	97.949	19.523	66.683	969.72	0	0	0	12.398
REI Met Station	7/12/2023	14:45:00 - 15:00:00	0.638	94.636	19.3	67.917	969.578	0	0	0	12.355
REI Met Station	7/12/2023	15:00:00 - 15:15:00	0.847	90.285	19.1	69.817	969.615	0	0	0.083	12.3
REI Met Station	7/12/2023	15:15:00 - 15:30:00	0.493	65.462	18.858	71.883	969.673	0	0	0.067	12.3
REI Met Station	7/12/2023	15:30:00 - 15:45:00	0.474	120.921	18.692	74.383	969.618	0	0	0.15	12.235
REI Met Station	7/12/2023	15:45:00 - 16:00:00	0.553	100.561	18.44	76.45	969.455	0	0	0	12.2
REI Met Station	7/12/2023	16:00:00 - 16:15:00	0.589	77.788	18.108	79.1	969.322	0.004	0.15	0.083	12.2
REI Met Station	7/12/2023	16:15:00 - 16:30:00	0.65	93.716	17.807	81.283	969.413	0.008	0.496	0	12.2
REI Met Station	7/12/2023	16:30:00 - 16:45:00	0.646	120.337	17.673	82.167	969.33	0	0.75	0	12.2
REI Met Station	7/12/2023	16:45:00 - 17:00:00	0.554	100.653	17.688	82.15	969.373	0	0.75	0	12.2
REI Met Station	7/12/2023	17:00:00 - 17:15:00	0.469	59.515	17.522	83.033	969.335	0.013	1.058	0	12.197
REI Met Station	7/12/2023	17:15:00 - 17:30:00	0.484	83.839	17.027	85.117	969.215	0.021	2.242	0	12.2
REI Met Station	7/12/2023	17:30:00 - 17:45:00	0.228	76.061	16.92	87.117	969.268	0.013	3.238	0	12.167
REI Met Station	7/12/2023	17:45:00 - 18:00:00	0.56	95.975	16.697	87.55	969.278	0.013	3.808	0	12.1
REI Met Station	7/12/2023	18:00:00 - 18:15:00	0.592	128.459	16.47	88.583	969.053	0.033	5.596	0	12.092
REI Met Station	7/12/2023	18:15:00 - 18:30:00	0.881	121.274	15.768	88.7	968.993	0.033	7.225	0	12.067
REI Met Station	7/12/2023	18:30:00 - 18:45:00	0.647	128.759	15.048	89.767	969.213	0.013	8.604	0.067	12.06
REI Met Station	7/12/2023	18:45:00 - 19:00:00	0.922	115.336	15.42	90.85	968.75	0	9	0	12.14
REI Met Station	7/12/2023	19:00:00 - 19:15:00	0.803	118.175	15.532	90.283	969.008	0	9	0.233	12.168
REI Met Station	7/12/2023	19:15:00 - 19:30:00	0.744	96.864	15.407	90	969.05	0	9	0	12.097
REI Met Station	7/12/2023	19:30:00 - 19:45:00	0.458	117.264	15.363	89.717	968.802	0	9	0	12.1
REI Met Station	7/12/2023	19:45:00 - 20:00:00	0.383	93.772	15.45	88.917	969.05	0	9	0	12.092
REI Met Station	7/12/2023	20:00:00 - 20:15:00	0.473	94.423	15.373	88.033	969.28	0	9	0	12.01
REI Met Station	7/12/2023	20:15:00 - 20:30:00	0.475	123.102	15.405	88.183	969.162	0	9	0	12.023
REI Met Station	7/12/2023	20:30:00 - 20:45:00	0.504	128.442	15.193	87.8	969.27	0	9	0	12
REI Met Station	7/12/2023	20:45:00 - 21:00:00	0.371	122.63	15.047	87.167	969.213	0	9	0	12
REI Met Station	7/12/2023	21:00:00 - 21:15:00	0.421	130.581	14.955	87.05	969.127	0	9	0	11.998
REI Met Station	7/12/2023	21:15:00 - 21:30:00	0.433	157.793	14.9	87.083	969.41	0	9	0	11.995
REI Met Station	7/12/2023	21:30:00 - 21:45:00	0.311	184.581	14.808	87.417	969.257	0	9	0.167	11.99
REI Met Station	7/12/2023	21:45:00 - 22:00:00	0.482	115.955	14.59	86.633	969.108	0	9	0.15	11.982
REI Met Station	7/12/2023	22:00:00 - 22:15:00	0.293	85.149	14.68	87.317	969.472	0	9	0	11.95
REI Met Station	7/12/2023	22:15:00 - 22:30:00	0.269	155.91	14.593	88	969.547	0	9	0	11.902
REI Met Station	7/12/2023	22:30:00 - 22:45:00	0.36	148.514	14.498	88.683	969.7	0	9	0	11.9
REI Met Station	7/12/2023	22:45:00 - 23:00:00	0.295	113.364	14.528	89	969.793	0	9	0	11.9
REI Met Station	7/12/2023	23:00:00 - 23:15:00	0.433	104.539	14.702	89.633	969.897	0	9	0	11.9
REI Met Station	7/12/2023	23:15:00 - 23:30:00	0.552	119.253	14.803	90	969.793	0	9	0	11.9
REI Met Station	7/12/2023	23:30:00 - 23:45:00	0.371	145.303	14.7	89.967	969.8	0	9	0	11.9
REI Met Station	7/12/2023	23:45:00 - 00:00:00	0.396	109.101	14.768	89.95	969.602	0	9	0	11.895
REI Met Station	7/13/2023	00:00:00 - 00:15:00	0.212	133.423	14.825	90	969.645	0	0	0	11.842
REI Met Station	7/13/2023	00:15:00 - 00:30:00	0.185	150.035	14.878	90	969.627	0	0	0	11.817
REI Met Station	7/13/2023	00:30:00 - 00:45:00	0.201	163.802	14.76	90	969.737	0	0	0.1	11.8
REI Met Station	7/13/2023	00:45:00 - 01:00:00	0.138	210.116	14.655	89.333	969.763	0	0	0.1	11.8
REI Met Station	7/13/2023	01:00:00 - 01:15:00	0.304	166.003	14.623	89	969.617	0	0	0	11.8
REI Met Station	7/13/2023	01:15:00 - 01:30:00	0.244	137.828	14.613	89	969.47	0	0	0.083	11.8
REI Met Station	7/13/2023	01:30:00 - 01:45:00	0.162	144.706	14.6	89	969.423	0	0	0	11.8
REI Met Station	7/13/2023	01:45:00 - 02:00:00	0.184	204.55	14.545	89.017	969.203	0	0	0	11.8
REI Met Station	7/13/2023	02:00:00 - 02:15:00	0.31	163.989	14.443	89	969.098	0	0	0	11.8
REI Met Station	7/13/2023	02:15:00 - 02:30:00	0.287	123.591	14.357	89.267	968.94	0	0	0	11.8
REI Met Station	7/13/2023	02:30:00 - 02:45:00	0.34	143.794	14.143	90	968.95	0	0	0	11.8
REI Met Station	7/13/2023	02:45:00 - 03:00:00	0.38	160.829	13.742	90.083	968.883	0	0	0	11.8
REI Met Station	7/13/2023	03:00:00 - 03:15:00	0.347	135.119	13.78	91	968.73	0	0	0	11.8
REI Met Station	7/13/2023	03:15:00 - 03:30:00	0.479	144.724	13.89	91.183	968.607	0	0	0	11.8
REI Met Station	7/13/2023	03:30:00 - 03:45:00	0.379	166.495	13.658	91	968.6	0	0	0	11.8
REI Met Station	7/13/2023	03:45:00 - 04:00:00	0.395	151.077	13.332	91.433	968.518	0	0	0	11.8
REI Met Station	7/13/2023	04:00:00 - 04:15:00	0.404	147.474	13.208	91.983	968.53	0	0	0.083	11.798
REI Met Station	7/13/2023	04:15:00 - 04:30:00	0.44	148.718	13.15	92	968.483	0	0	0.167	11.8
REI Met Station	7/13/2023	04:30:00 - 04:45:00	0.492	144.707	13.262	92	968.455	0	0	0.067	11.798
REI Met Station	7/13/2023	04:45:00 - 05:00:00	0.387	137.296	13.167	92.067	968.335	0	0	0	11.8
REI Met Station	7/13/2023	05:00:00 - 05:15:00	0.379	112.059	13.283	92.133	968.32	0	0	0	11.8
REI Met Station	7/13/2023	05:15:00 - 05:30:00	0.58	126.754	13.13	92.05	968.532	0	0	0	11.8
REI Met Station	7/13/2023	05:30:00 - 05:45:00	0.289	146.377	13.155	92.583	968.843	0	0	0	11.8
REI Met Station	7/13/2023	05:45:00 - 06:00:00	0.459	125.266	13.322	93	969.037	0	0	0	11.798
REI Met Station	7/13/2023	06:00:00 - 06:15:00	0.423	135.585	13.445	93	969.193	0	0	0	11.8
REI Met Station	7/13/2023	06:15:00 - 06:30:00	0.499	138.635	13.548	93	969.295	0	0	0	11.8
REI Met Station	7/13/2023	06:30:00 - 06:45:00	0.541	105.254	13.593	92.817	969.392	0	0	0	11.8
REI Met Station	7/13/2023	06:45:00 - 07:00:00	0.463	138.178	13.577	92.917	969.428	0	0	0	11.8
REI Met Station	7/13/2023	07:00:00 - 07:15:00	0.473	163.476	13.6	93	969.543	0	0	0	11.8
REI Met Station	7/13/2023	07:15:00 - 07:30:00	0.589	118.404	13.657	93	969.645	0	0	0	11.8
REI Met Station	7/13/2023	07:30:00 - 07:45:00	0.398	132.423	13.797	93	969.743	0	0	0	11.8
REI Met Station	7/13/2023	07:45:00 - 08:00:00	0.494	118.672	13.883	93	969.843	0	0	0.067	11.8
REI Met Station	7/13/2023	08:00:00 - 08:15:00	0.46	125.024	14.015	93	969.903	0	0	0.083	11.798
REI Met Station	7/13/2023	08:15:00 - 08:30:00	0.724	120.524	14.108	92.483	969.877	0	0	0	11.8
REI Met Station	7/13/2023	08:30:00 - 08:45:00	0.53	138.579	14.208	92.117	969.887	0	0	0.067	11.8
REI Met Station	7/13/2023	08:45:00 - 09:00:00	0.581	129.44	14.335	92	969.797	0	0	0	11.807
REI Met Station	7/13/2023	09:00:00 - 09:15:00	0.45	164.609	14.62	91.917	969.677	0	0	0	11.883
REI Met Station	7/13/2023	09:15:00 - 09:30:00	0.631	143.796	14.76	90.583	969.543	0	0	0	11.898
REI Met Station	7/13/2023	09:30:00 - 09:45:00	0.549	169.959	15.118	89.133	969.51	0	0	0	11.97
REI Met Station	7/13/2023	09:45:00 - 10:00:00	0.771	191.764	15.247	86.833	969.393	0	0	0	12.042
REI Met Station	7/13/2023	10:00:00 - 10:15:00	0.639	193.918	15.582	85.6	969.21	0	0	0	12.065
REI Met Station	7/13/2023	10:15:00 - 10:30:00	0.714	195.684	15.788	84.233	969.052	0	0	0	12.143
REI Met Station	7/13/2023	10:30:00 - 10:45:00	1.092	200.687	16.28	81.717	968.89	0	0	0	12.355
REI Met Station	7/13/2023	10:45:00 - 11:00:00	1.341	204.423	16.5	80.933	968.765	0	0	0	12.503
REI Met Station	7/13/2023	11:00:00 - 11:15:00	0.964	205.367	17.041	79.763	968.636	0	0	0	12.559
REI Met Station	7/13/2023	11:15:00 - 11:30:00	1.013	204.595	17.25	78.833	968.577	0	0	0	12.54

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/13/2023	11:30:00 - 11:45:00	0.704	194.45	17.683	77.75	968.528	0	0	0	12.545
REI Met Station	7/13/2023	11:45:00 - 12:00:00	1.331	213.681	17.52	76.617	968.608	0	0	0	12.493
REI Met Station	7/13/2023	12:00:00 - 12:15:00	0.91	195.764	17.67	76.783	968.518	0	0	0	12.48
REI Met Station	7/13/2023	12:15:00 - 12:30:00	0.768	204.507	17.917	75.867	968.578	0	0	0	12.507
REI Met Station	7/13/2023	12:30:00 - 12:45:00	1.072	208.93	18.27	74.083	968.398	0	0	0	12.522
REI Met Station	7/13/2023	12:45:00 - 13:00:00	0.574	219.782	18.297	73.95	968.352	0	0	0	12.513
REI Met Station	7/13/2023	13:00:00 - 13:15:00	0.642	211.601	19.058	71.783	968.437	0	0	0	12.608
REI Met Station	7/13/2023	13:15:00 - 13:30:00	1.114	215.69	19.148	71.1	968.47	0	0	0	12.633
REI Met Station	7/13/2023	13:30:00 - 13:45:00	0.94	204.147	19.405	70.467	968.305	0	0	0.033	12.757
REI Met Station	7/13/2023	13:45:00 - 14:00:00	0.447	181.05	20.368	68.6	968.107	0	0	0.083	13.002
REI Met Station	7/13/2023	14:00:00 - 14:15:00	0.774	206.139	21.067	66.067	967.827	0	0	0.067	12.923
REI Met Station	7/13/2023	14:15:00 - 14:30:00	0.657	142.225	21.218	65.667	967.735	0	0	0.067	12.897
REI Met Station	7/13/2023	14:30:00 - 14:45:00	1.153	217.794	21.612	63.617	967.817	0	0	0	12.883
REI Met Station	7/13/2023	14:45:00 - 15:00:00	0.648	207.762	21.662	63.667	967.717	0	0	0	12.865
REI Met Station	7/13/2023	15:00:00 - 15:15:00	0.782	224.362	21.453	64.133	967.513	0	0	0	12.855
REI Met Station	7/13/2023	15:15:00 - 15:30:00	0.535	125.301	21.853	63.867	967.39	0	0	0	12.895
REI Met Station	7/13/2023	15:30:00 - 15:45:00	0.506	169.971	22.4	62.783	967.313	0	0	0	12.933
REI Met Station	7/13/2023	15:45:00 - 16:00:00	0.822	226.991	22.557	61.85	967.287	0	0	0	12.528
REI Met Station	7/13/2023	16:00:00 - 16:15:00	0.352	243.128	22.5	61.85	967.242	0	0	0	12.502
REI Met Station	7/13/2023	16:15:00 - 16:30:00	1.005	210.392	22.753	61.95	967.043	0	0	0	12.5
REI Met Station	7/13/2023	16:30:00 - 16:45:00	0.595	143.951	23.317	61.533	966.83	0	0	0	12.483
REI Met Station	7/13/2023	16:45:00 - 17:00:00	0.816	198.811	23.252	61.3	966.78	0	0	0	12.472
REI Met Station	7/13/2023	17:00:00 - 17:15:00	0.965	188.686	23.765	59.9	966.625	0	0	0.083	12.415
REI Met Station	7/13/2023	17:15:00 - 17:30:00	0.663	188.75	23.468	61.55	966.48	0	0	0	12.403
REI Met Station	7/13/2023	17:30:00 - 17:45:00	0.774	194.846	23.343	61.833	966.367	0	0	0	12.588
REI Met Station	7/13/2023	17:45:00 - 18:00:00	0.647	152.528	24.06	60	966.237	0	0	0.033	12.84
REI Met Station	7/13/2023	18:00:00 - 18:15:00	0.291	193.952	24.807	58.267	966.232	0	0	0	12.83
REI Met Station	7/13/2023	18:15:00 - 18:30:00	0.402	219.873	25.665	55.25	966.063	0	0	0	12.777
REI Met Station	7/13/2023	18:30:00 - 18:45:00	0.946	214.499	24.972	55.617	965.947	0	0	0	12.762
REI Met Station	7/13/2023	18:45:00 - 19:00:00	0.831	206.734	24.647	56.133	965.85	0	0	0	12.655
REI Met Station	7/13/2023	19:00:00 - 19:15:00	0.707	204.799	24.28	57.767	965.783	0	0	0	12.468
REI Met Station	7/13/2023	19:15:00 - 19:30:00	0.606	185.484	24.282	59.35	965.612	0	0	0	12.4
REI Met Station	7/13/2023	19:30:00 - 19:45:00	0.51	196.3	24.223	58.75	965.585	0	0	0	12.305
REI Met Station	7/13/2023	19:45:00 - 20:00:00	0.919	198.864	23.968	60.067	965.523	0	0	0	12.285
REI Met Station	7/13/2023	20:00:00 - 20:15:00	0.872	205.794	23.225	61.933	965.62	0	0	0	12.2
REI Met Station	7/13/2023	20:15:00 - 20:30:00	0.706	193.341	22.993	63.617	965.617	0	0	0.067	12.198
REI Met Station	7/13/2023	20:30:00 - 20:45:00	0.543	167.199	22.845	64.117	965.645	0	0	0	12.188
REI Met Station	7/13/2023	20:45:00 - 21:00:00	0.378	152.143	22.76	65.333	965.663	0	0	0	12.132
REI Met Station	7/13/2023	21:00:00 - 21:15:00	0.273	222.756	22.683	66.133	965.717	0	0	0.067	12.1
REI Met Station	7/13/2023	21:15:00 - 21:30:00	0.154	240.578	22.512	67.033	965.73	0	0	0	12.1
REI Met Station	7/13/2023	21:30:00 - 21:45:00	0.185	201.822	22.143	68.367	965.727	0	0	0.033	12.1
REI Met Station	7/13/2023	21:45:00 - 22:00:00	0.545	232.489	21.877	69.883	965.887	0	0	0	12.1
REI Met Station	7/13/2023	22:00:00 - 22:15:00	0.803	217.263	21.723	71.233	966.053	0	0	0	12.1
REI Met Station	7/13/2023	22:15:00 - 22:30:00	0.388	217.734	21.318	72.8	965.985	0	0	0	12.1
REI Met Station	7/13/2023	22:30:00 - 22:45:00	0.309	201.327	20.625	75.517	965.925	0	0	0	12.1
REI Met Station	7/13/2023	22:45:00 - 23:00:00	0.22	160.054	20.335	77.233	965.737	0	0	0	12.098
REI Met Station	7/13/2023	23:00:00 - 23:15:00	0.22	162.196	20.095	78.3	965.228	0	0	0	12.088
REI Met Station	7/13/2023	23:15:00 - 23:30:00	0.313	138.657	19.802	79.633	965.125	0	0	0	12.08
REI Met Station	7/13/2023	23:30:00 - 23:45:00	0.127	166.649	19.477	80.817	965.152	0	0	0	12.037
REI Met Station	7/13/2023	23:45:00 - 00:00:00	0.478	216.091	19.4	81	965.56	0	0	0	12
REI Met Station	7/14/2023	00:00:00 - 00:15:00	0.118	145.247	19.187	82.1	965.703	0	0	0	12
REI Met Station	7/14/2023	00:15:00 - 00:30:00	0.377	119.092	19.142	83.25	965.555	0	0	0	12
REI Met Station	7/14/2023	00:30:00 - 00:45:00	0.48	108.366	19.173	84	965.375	0	0	0	12
REI Met Station	7/14/2023	00:45:00 - 01:00:00	0.316	160.632	18.97	84.8	965.132	0	0	0	12
REI Met Station	7/14/2023	01:00:00 - 01:15:00	0.308	203.149	18.785	85.65	964.842	0	0	0	12
REI Met Station	7/14/2023	01:15:00 - 01:30:00	0.407	189.787	18.663	86.117	964.782	0	0	0.083	12
REI Met Station	7/14/2023	01:30:00 - 01:45:00	0.516	184.554	18.735	86.733	965.08	0	0	0	12
REI Met Station	7/14/2023	01:45:00 - 02:00:00	0.371	147.889	18.833	86.817	965.083	0	0	0	12
REI Met Station	7/14/2023	02:00:00 - 02:15:00	0.544	106.901	18.9	86.8	964.945	0	0	0	12
REI Met Station	7/14/2023	02:15:00 - 02:30:00	0.598	164.866	18.97	86.367	965.215	0	0	0	12
REI Met Station	7/14/2023	02:30:00 - 02:45:00	0.804	167.359	19.157	86	965.245	0	0	0	12
REI Met Station	7/14/2023	02:45:00 - 03:00:00	0.638	165.002	19.343	86	965.29	0	0	0	12
REI Met Station	7/14/2023	03:00:00 - 03:15:00	0.537	148.244	19.33	86.35	964.985	0	0	0	12
REI Met Station	7/14/2023	03:15:00 - 03:30:00	0.496	136.46	19.14	87	964.812	0	0	0	12
REI Met Station	7/14/2023	03:30:00 - 03:45:00	0.51	126.589	19.068	87	964.687	0	0	0	11.995
REI Met Station	7/14/2023	03:45:00 - 04:00:00	0.121	210.806	18.905	87.433	964.907	0	0	0	11.995
REI Met Station	7/14/2023	04:00:00 - 04:15:00	0.401	167.971	18.657	87.767	964.902	0	0	0	11.982
REI Met Station	7/14/2023	04:15:00 - 04:30:00	0.289	170.682	18.445	88.083	964.913	0	0	0	11.963
REI Met Station	7/14/2023	04:30:00 - 04:45:00	0.451	192.282	18.357	88.517	964.847	0	0	0	11.955
REI Met Station	7/14/2023	04:45:00 - 05:00:00	0.579	186.337	18.258	88.6	964.925	0	0	0.183	11.932
REI Met Station	7/14/2023	05:00:00 - 05:15:00	0.507	182.452	18.127	88.75	964.952	0	0	0	11.902
REI Met Station	7/14/2023	05:15:00 - 05:30:00	0.612	194.697	18.133	89	964.96	0	0	0	11.9
REI Met Station	7/14/2023	05:30:00 - 05:45:00	0.962	200.28	18.3	88.75	964.897	0	0	0	11.9
REI Met Station	7/14/2023	05:45:00 - 06:00:00	0.856	202.256	18.437	87.15	964.983	0	0	0	11.9
REI Met Station	7/14/2023	06:00:00 - 06:15:00	0.577	182.999	18.353	86	964.918	0	0	0	11.9
REI Met Station	7/14/2023	06:15:00 - 06:30:00	0.386	171.364	18.003	86	964.852	0	0	0	11.9
REI Met Station	7/14/2023	06:30:00 - 06:45:00	0.609	209.565	17.808	85.533	964.732	0	0	0	11.9
REI Met Station	7/14/2023	06:45:00 - 07:00:00	0.806	202.707	17.995	84	964.588	0	0	0	11.9
REI Met Station	7/14/2023	07:00:00 - 07:15:00	1.191	210.652	18.245	83.317	964.638	0	0	0	11.9
REI Met Station	7/14/2023	07:15:00 - 07:30:00	1.116	211.158	18.445	83	964.6	0	0	0	11.9
REI Met Station	7/14/2023	07:30:00 - 07:45:00	1.039	206.959	18.488	83	964.605	0	0	0	11.9
REI Met Station	7/14/2023	07:45:00 - 08:00:00	0.92	202.021	18.582	83	964.762	0	0	0.1	11.9
REI Met Station	7/14/2023	08:00:00 - 08:15:00	1.045	202.963	18.612	83	964.832	0	0	0.183	11.908
REI Met Station	7/14/2023	08:15:00 - 08:30:00	1.079	199.966	18.692	83	965.097	0	0	0.15	11.96
REI Met Station	7/14/2023	08:30:00 - 08:45:00	0.626	186.557	18.933	82.533	965.36	0	0	0	11.997
REI Met Station	7/14/2023	08:45:00 - 09:00:00	0.384	268.26	19.132	81.75	965.318	0	0	0	12
REI Met Station	7/14/2023	09:00:00 - 09:15:00	0.246	298.815	19.38	81.25	965.392	0	0	0	12.078
REI Met Station	7/14/2023	09:15:00 - 09:30:00	0.284	260.745	19.643	80.083	965.57	0	0	0	12.078
REI Met Station	7/14/2023	09:30:00 - 09:45:00	0.666	237.752	19.898	78.9	965.805	0	0	0	12.107
REI Met Station	7/14/2023	09:45:00 - 10:00:00	0.454	318.034	20.327	77.9	966.028	0	0	0	12.22

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/14/2023	10:00:00 - 10:15:00	0.445	313.997	20.96	76.133	966.248	0	0	0	12.348
REI Met Station	7/14/2023	10:15:00 - 10:30:00	0.663	219.957	21.29	74.667	966.44	0	0	0	12.503
REI Met Station	7/14/2023	10:30:00 - 10:45:00	0.705	222.625	21.913	72.683	966.448	0	0	0	12.612
REI Met Station	7/14/2023	10:45:00 - 11:00:00	1.033	204.603	21.997	72.317	966.407	0	0	0	12.703
REI Met Station	7/14/2023	11:00:00 - 11:15:00	1.03	194.48	22.422	70.25	966.265	0	0	0	12.822
REI Met Station	7/14/2023	11:15:00 - 11:30:00	0.9	196.785	23.132	68.917	966.238	0	0	0.083	12.882
REI Met Station	7/14/2023	11:30:00 - 11:45:00	0.266	211.326	24.352	66.15	966.285	0	0	0	12.787
REI Met Station	7/14/2023	11:45:00 - 12:00:00	1.158	195.866	23.953	66.167	966.237	0	0	0	12.788
REI Met Station	7/14/2023	12:00:00 - 12:15:00	1.286	204.094	24.237	65.133	966.197	0	0	0	12.777
REI Met Station	7/14/2023	12:15:00 - 12:30:00	1.029	206.569	24.458	64.567	966.222	0	0	0	12.762
REI Met Station	7/14/2023	12:30:00 - 12:45:00	0.846	219.712	25.212	62.05	966.292	0	0	0.067	12.738
REI Met Station	7/14/2023	12:45:00 - 13:00:00	0.885	227.074	25.308	61.4	966.342	0	0	0	12.792
REI Met Station	7/14/2023	13:00:00 - 13:15:00	1.098	213.949	25.808	57.917	966.413	0	0	0	12.832
REI Met Station	7/14/2023	13:15:00 - 13:30:00	0.925	220.767	26.278	56.533	966.517	0	0	0	12.387
REI Met Station	7/14/2023	13:30:00 - 13:45:00	0.697	231.705	27.022	54.6	966.6	0	0	0	12.302
REI Met Station	7/14/2023	13:45:00 - 14:00:00	1.438	214.117	26.913	53.967	966.598	0	0	0	12.3
REI Met Station	7/14/2023	14:00:00 - 14:15:00	1.269	218.33	27.125	53.45	966.652	0	0	0	12.3
REI Met Station	7/14/2023	14:15:00 - 14:30:00	1.218	217.694	27.22	52.8	966.588	0	0	0	12.3
REI Met Station	7/14/2023	14:30:00 - 14:45:00	0.611	229.184	27.702	52.133	966.392	0	0	0	12.3
REI Met Station	7/14/2023	14:45:00 - 15:00:00	1.213	215.49	27.827	50.367	966.425	0	0	0	12.3
REI Met Station	7/14/2023	15:00:00 - 15:15:00	1.193	207.383	27.84	50.583	966.41	0	0	0	12.3
REI Met Station	7/14/2023	15:15:00 - 15:30:00	0.952	230.215	28.138	49.367	966.41	0	0	0	12.3
REI Met Station	7/14/2023	15:30:00 - 15:45:00	1.26	210.56	27.818	49.467	966.395	0	0	0.167	12.327
REI Met Station	7/14/2023	15:45:00 - 16:00:00	1.663	215.287	27.997	49.05	966.253	0	0	0	12.335
REI Met Station	7/14/2023	16:00:00 - 16:15:00	1.318	220.7	27.94	48.883	966.117	0	0	0	12.367
REI Met Station	7/14/2023	16:15:00 - 16:30:00	1.189	211.158	28.582	46.2	966.102	0	0	0.067	12.302
REI Met Station	7/14/2023	16:30:00 - 16:45:00	0.97	212.122	28.878	46.017	966.04	0	0	0	12.3
REI Met Station	7/14/2023	16:45:00 - 17:00:00	0.868	205.196	29.19	43.283	966.002	0	0	0	12.3
REI Met Station	7/14/2023	17:00:00 - 17:15:00	0.951	215.351	29.412	43.983	965.912	0	0	0	12.3
REI Met Station	7/14/2023	17:15:00 - 17:30:00	1.426	215.596	29.143	45	965.738	0	0	0	12.3
REI Met Station	7/14/2023	17:30:00 - 17:45:00	2.18	212.488	28.588	47.017	965.578	0	0	0	12.328
REI Met Station	7/14/2023	17:45:00 - 18:00:00	0.871	244.834	28.678	47.117	965.362	0	0	0	12.342
REI Met Station	7/14/2023	18:00:00 - 18:15:00	1.39	220.323	28.755	46.633	965.005	0	0	0	12.362
REI Met Station	7/14/2023	18:15:00 - 18:30:00	1.192	213.1	27.69	48.95	964.783	0	0	0	12.31
REI Met Station	7/14/2023	18:30:00 - 18:45:00	0.718	216.838	27.433	49.117	964.762	0	0	0	12.3
REI Met Station	7/14/2023	18:45:00 - 19:00:00	1.271	208.704	27.077	50.2	964.942	0	0	0.083	12.298
REI Met Station	7/14/2023	19:00:00 - 19:15:00	1.133	219.11	26.733	51.183	964.945	0	0	0	12.217
REI Met Station	7/14/2023	19:15:00 - 19:30:00	0.757	231.452	26.512	51.317	965.017	0	0	0	12.2
REI Met Station	7/14/2023	19:30:00 - 19:45:00	1.24	217.285	26.318	50.367	965.257	0	0	0	12.172
REI Met Station	7/14/2023	19:45:00 - 20:00:00	0.829	197.867	25.932	52.8	965.63	0	0	0	12.1
REI Met Station	7/14/2023	20:00:00 - 20:15:00	0.708	189.319	25.537	54.567	965.65	0	0	0.083	12.1
REI Met Station	7/14/2023	20:15:00 - 20:30:00	0.585	163.581	25.168	56.75	965.48	0	0	0	12.1
REI Met Station	7/14/2023	20:30:00 - 20:45:00	0.708	139.404	24.462	62.067	965.678	0	0	0	12.1
REI Met Station	7/14/2023	20:45:00 - 21:00:00	0.535	139.364	22.912	72.317	965.777	0.008	0.283	0	12.1
REI Met Station	7/14/2023	21:00:00 - 21:15:00	1.97	206.062	21.358	77.7	965.317	0.004	0.729	0	12.1
REI Met Station	7/14/2023	21:15:00 - 21:30:00	1.298	216.345	20.062	78.533	965.322	0	0.75	0	12.097
REI Met Station	7/14/2023	21:30:00 - 21:45:00	0.503	190.442	19.635	78.85	966.038	0	0.75	0	12.085
REI Met Station	7/14/2023	21:45:00 - 22:00:00	0.441	177.089	19.317	77.617	966.098	0	0.75	0	12.042
REI Met Station	7/14/2023	22:00:00 - 22:15:00	0.422	163.949	18.983	78.65	966.045	0	0.75	0	12.002
REI Met Station	7/14/2023	22:15:00 - 22:30:00	0.567	356.327	18.698	81.417	966.167	0	0.75	0	12
REI Met Station	7/14/2023	22:30:00 - 22:45:00	0.447	94.398	18.7	81.9	966.313	0	0.75	0	12
REI Met Station	7/14/2023	22:45:00 - 23:00:00	0.397	77.32	18.67	81.933	966.123	0	0.75	0	12
REI Met Station	7/14/2023	23:00:00 - 23:15:00	0.582	134.875	18.657	81.35	965.99	0	0.75	0	12
REI Met Station	7/14/2023	23:15:00 - 23:30:00	0.287	212.243	18.825	79.517	966.008	0	0.75	0.067	12
REI Met Station	7/14/2023	23:30:00 - 23:45:00	0.666	210.552	19.1	78.2	966.305	0	0.75	0	12
REI Met Station	7/14/2023	23:45:00 - 00:00:00	0.359	176.776	19.083	79.067	966.427	0	0.75	0	12
REI Met Station	7/15/2023	00:00:00 - 00:15:00	0.339	316.85	19.053	79.433	966.223	0	0	0	12
REI Met Station	7/15/2023	00:15:00 - 00:30:00	0.56	291.333	18.932	80.717	967.1	0.013	0.271	0	12
REI Met Station	7/15/2023	00:30:00 - 00:45:00	0.668	139.748	18.095	85.508	966.966	0.03	1.953	0	12
REI Met Station	7/15/2023	00:45:00 - 01:00:00	0.513	134.803	17.757	88.817	966.372	0.004	2.742	0	11.997
REI Met Station	7/15/2023	01:00:00 - 01:15:00	0.094	143.508	17.483	89	966.172	0	2.75	0	11.987
REI Met Station	7/15/2023	01:15:00 - 01:30:00	0.133	131.56	17.218	89.367	965.975	0	2.75	0	11.963
REI Met Station	7/15/2023	01:30:00 - 01:45:00	0.323	207.531	16.952	90	965.89	0	2.75	0.067	11.908
REI Met Station	7/15/2023	01:45:00 - 02:00:00	0.531	203.543	16.855	90	965.87	0	2.75	0	11.9
REI Met Station	7/15/2023	02:00:00 - 02:15:00	0.189	175.093	16.655	90.617	965.922	0	2.75	0	11.9
REI Met Station	7/15/2023	02:15:00 - 02:30:00	0.41	163.425	16.446	90.983	965.981	0	2.75	0.136	11.9
REI Met Station	7/15/2023	02:30:00 - 02:45:00	0.258	165.551	16.357	91	965.92	0	2.75	0	11.9
REI Met Station	7/15/2023	02:45:00 - 03:00:00	0.202	183.978	16.072	91	966.012	0	2.75	0	11.9
REI Met Station	7/15/2023	03:00:00 - 03:15:00	0.138	155.935	15.731	91	966.095	0	2.75	0	11.9
REI Met Station	7/15/2023	03:15:00 - 03:30:00	0.494	130.633	15.566	91.23	966.144	0	2.75	0	11.9
REI Met Station	7/15/2023	03:30:00 - 03:45:00	0.4	165.859	15.525	91.068	966.097	0	2.75	0	11.9
REI Met Station	7/15/2023	03:45:00 - 04:00:00	0.319	145.669	15.375	91.3	966.068	0	2.75	0	11.898
REI Met Station	7/15/2023	04:00:00 - 04:15:00	0.379	156.303	15.477	92	966.023	0	2.75	0	11.897
REI Met Station	7/15/2023	04:15:00 - 04:30:00	0.231	150.422	15.373	92	965.932	0	2.75	0	11.883
REI Met Station	7/15/2023	04:30:00 - 04:45:00	0.229	157.428	15.333	92	965.91	0	2.75	0	11.84
REI Met Station	7/15/2023	04:45:00 - 05:00:00	0.518	137.816	15.388	92	966	0	2.75	0	11.8
REI Met Station	7/15/2023	05:00:00 - 05:15:00	0.298	111.437	15.58	92.25	966.08	0	2.75	0.133	11.82
REI Met Station	7/15/2023	05:15:00 - 05:30:00	0.436	149.108	15.522	92	966.042	0	2.75	0	11.803
REI Met Station	7/15/2023	05:30:00 - 05:45:00	0.306	158.303	15.5	92	966.147	0	2.75	0.033	11.8
REI Met Station	7/15/2023	05:45:00 - 06:00:00	0.371	176.32	15.41	92.017	966.057	0	2.75	0.067	11.8
REI Met Station	7/15/2023	06:00:00 - 06:15:00	0.438	158.488	15.335	92.467	966.073	0	2.75	0.1	11.8
REI Met Station	7/15/2023	06:15:00 - 06:30:00	0.358	145.577	15.282	92.6	966.203	0	2.75	0	11.8
REI Met Station	7/15/2023	06:30:00 - 06:45:00	0.221	154.838	15.417	93	966.218	0	2.75	0	11.8
REI Met Station	7/15/2023	06:45:00 - 07:00:00	0.394	135.076	15.585	93	966.285	0	2.75	0	11.8
REI Met Station	7/15/2023	07:00:00 - 07:15:00	0.315	125.105	15.668	93	966.36	0	2.75	0	11.8
REI Met Station	7/15/2023	07:15:00 - 07:30:00	0.14	356.032	15.903	93	966.462	0	2.75	0	11.842
REI Met Station	7/15/2023	07:30:00 - 07:45:00	0.408	27.282	16.132	93	966.532	0	2.75	0	11.892
REI Met Station	7/15/2023	07:45:00 - 08:00:00	0.289	352.316	16.263	93	966.545	0	2.75	0	11.897
REI Met Station	7/15/2023	08:00:00 - 08:15:00	0.058	216.021	16.468	93	966.603	0	2.75	0	11.9
REI Met Station	7/15/2023	08:15:00 - 08:30:00	0.21	188.819	16.533	92.317	966.703	0	2.75	0	11.9

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/15/2023	08:30:00 - 08:45:00	0.17	359.348	16.658	92.15	966.878	0	2.75	0	11.952
REI Met Station	7/15/2023	08:45:00 - 09:00:00	0.247	197.3	16.92	91.4	966.883	0	2.75	0	12.013
REI Met Station	7/15/2023	09:00:00 - 09:15:00	0.349	271.216	17.558	89.733	967.003	0	2.75	0	12.118
REI Met Station	7/15/2023	09:15:00 - 09:30:00	0.47	212.634	17.99	86.333	966.973	0	2.75	0.217	12.247
REI Met Station	7/15/2023	09:30:00 - 09:45:00	0.371	195.199	18.743	83.767	967.047	0	2.75	0	12.402
REI Met Station	7/15/2023	09:45:00 - 10:00:00	0.223	283.458	19.693	80.883	967.158	0	2.75	0	12.5
REI Met Station	7/15/2023	10:00:00 - 10:15:00	0.377	324.044	20.088	77.8	967.2	0	2.75	0	12.508
REI Met Station	7/15/2023	10:15:00 - 10:30:00	0.339	289.914	20.483	77.167	967.167	0	2.75	0	12.598
REI Met Station	7/15/2023	10:30:00 - 10:45:00	0.355	307.616	20.955	75.033	967.027	0	2.75	0	12.6
REI Met Station	7/15/2023	10:45:00 - 11:00:00	0.252	314.358	21.522	72.917	966.958	0	2.75	0	12.633
REI Met Station	7/15/2023	11:00:00 - 11:15:00	0.506	265.317	22.127	70.667	966.983	0	2.75	0	12.698
REI Met Station	7/15/2023	11:15:00 - 11:30:00	0.606	309.593	22.397	68.567	967.042	0	2.75	0	12.737
REI Met Station	7/15/2023	11:30:00 - 11:45:00	0.471	304.469	22.8	67.667	967.147	0	2.75	0	12.848
REI Met Station	7/15/2023	11:45:00 - 12:00:00	0.505	311.873	23.312	66.033	967.11	0	2.75	0	12.892
REI Met Station	7/15/2023	12:00:00 - 12:15:00	0.715	265.224	23.612	61.967	967.168	0	2.75	0	12.967
REI Met Station	7/15/2023	12:15:00 - 12:30:00	0.517	287.719	24.11	60.783	967.16	0	2.75	0	12.998
REI Met Station	7/15/2023	12:30:00 - 12:45:00	0.868	285.493	24.628	55.933	967.142	0	2.75	0	13
REI Met Station	7/15/2023	12:45:00 - 13:00:00	0.679	313.116	24.832	52.067	967.14	0	2.75	0	12.945
REI Met Station	7/15/2023	13:00:00 - 13:15:00	1.105	284.999	24.66	51.367	967.177	0	2.75	0	12.998
REI Met Station	7/15/2023	13:15:00 - 13:30:00	0.869	298.93	25.237	50.233	967.19	0	2.75	0	12.952
REI Met Station	7/15/2023	13:30:00 - 13:45:00	0.702	229.75	25.54	48.817	967.143	0	2.75	0	12.872
REI Met Station	7/15/2023	13:45:00 - 14:00:00	1.09	225.224	25.605	47.067	967.012	0	2.75	0	12.413
REI Met Station	7/15/2023	14:00:00 - 14:15:00	1.157	215.556	25.817	47.233	966.938	0	2.75	0	12.398
REI Met Station	7/15/2023	14:15:00 - 14:30:00	1.195	224.246	25.847	46.7	966.973	0	2.75	0	12.397
REI Met Station	7/15/2023	14:30:00 - 14:45:00	0.906	242.486	26.252	45.817	966.953	0	2.75	0	12.388
REI Met Station	7/15/2023	14:45:00 - 15:00:00	0.771	233.783	26.783	46.383	966.857	0	2.75	0	12.372
REI Met Station	7/15/2023	15:00:00 - 15:15:00	1.163	221.874	26.512	45.15	966.74	0	2.75	0	12.37
REI Met Station	7/15/2023	15:15:00 - 15:30:00	0.911	226.265	26.812	44.583	966.632	0	2.75	0	12.333
REI Met Station	7/15/2023	15:30:00 - 15:45:00	0.852	213.965	27.05	45.367	966.533	0	2.75	0	12.3
REI Met Station	7/15/2023	15:45:00 - 16:00:00	0.998	232.352	26.88	45.133	966.537	0	2.75	0	12.3
REI Met Station	7/15/2023	16:00:00 - 16:15:00	0.936	231.843	27.312	43.967	966.508	0	2.75	0.083	12.3
REI Met Station	7/15/2023	16:15:00 - 16:30:00	1.265	220.4	27.053	43.983	966.532	0	2.75	0.083	12.377
REI Met Station	7/15/2023	16:30:00 - 16:45:00	0.729	227.383	27.342	42.933	966.497	0	2.75	0	12.392
REI Met Station	7/15/2023	16:45:00 - 17:00:00	0.585	306.061	27.383	44.417	966.447	0	2.75	0	12.395
REI Met Station	7/15/2023	17:00:00 - 17:15:00	0.858	235.815	27	44.683	966.362	0	2.75	0	12.395
REI Met Station	7/15/2023	17:15:00 - 17:30:00	0.916	292.568	26.932	45.417	966.332	0	2.75	0	12.4
REI Met Station	7/15/2023	17:30:00 - 17:45:00	1.016	313.206	26.532	47.033	966.368	0	2.75	0	12.4
REI Met Station	7/15/2023	17:45:00 - 18:00:00	1.008	344.842	26.048	50.133	966.295	0	2.75	0	12.4
REI Met Station	7/15/2023	18:00:00 - 18:15:00	0.582	334.958	26.433	50.533	966.152	0	2.75	0	12.4
REI Met Station	7/15/2023	18:15:00 - 18:30:00	0.487	331.924	26.332	49.95	965.937	0	2.75	0	12.4
REI Met Station	7/15/2023	18:30:00 - 18:45:00	0.58	327.274	26.298	49.367	965.892	0	2.75	0	12.4
REI Met Station	7/15/2023	18:45:00 - 19:00:00	0.889	278.723	25.923	49.317	966.037	0	2.75	0	12.485
REI Met Station	7/15/2023	19:00:00 - 19:15:00	0.734	283.069	25.795	49.483	966.15	0	2.75	0	12.457
REI Met Station	7/15/2023	19:15:00 - 19:30:00	0.215	348.229	25.532	50.367	966.192	0	2.75	0	12.388
REI Met Station	7/15/2023	19:30:00 - 19:45:00	0.309	246.775	24.947	51.283	966.303	0	2.75	0	12.302
REI Met Station	7/15/2023	19:45:00 - 20:00:00	0.902	214.287	24.517	52.367	966.632	0	2.75	0	12.235
REI Met Station	7/15/2023	20:00:00 - 20:15:00	0.743	232.119	24.385	50.8	966.603	0	2.75	0.217	12.2
REI Met Station	7/15/2023	20:15:00 - 20:30:00	0.296	224.161	24.275	51.1	966.505	0	2.75	0	12.2
REI Met Station	7/15/2023	20:30:00 - 20:45:00	0.256	224.824	23.618	54.267	966.48	0	2.75	0	12.138
REI Met Station	7/15/2023	20:45:00 - 21:00:00	0.321	314.013	23.157	55.367	966.452	0	2.75	0	12.1
REI Met Station	7/15/2023	21:00:00 - 21:15:00	0.449	13.067	23.022	54.983	966.493	0	2.75	0	12.1
REI Met Station	7/15/2023	21:15:00 - 21:30:00	0.46	347.718	22.772	54.883	966.585	0	2.75	0	12.1
REI Met Station	7/15/2023	21:30:00 - 21:45:00	0.55	316.64	22.008	56.467	966.605	0	2.75	0	12.1
REI Met Station	7/15/2023	21:45:00 - 22:00:00	0.249	341.887	21.17	60.4	966.692	0	2.75	0	12.1
REI Met Station	7/15/2023	22:00:00 - 22:15:00	0.035	281.585	20.198	64.8	966.815	0	2.75	0	12.1
REI Met Station	7/15/2023	22:15:00 - 22:30:00	0.278	170.292	19.732	66.1	967.05	0	2.75	0	12.098
REI Met Station	7/15/2023	22:30:00 - 22:45:00	0.434	174.729	19.358	67.233	967.193	0	2.75	0	12.068
REI Met Station	7/15/2023	22:45:00 - 23:00:00	0.128	151.078	19.053	68.683	967.258	0	2.75	0	12.032
REI Met Station	7/15/2023	23:00:00 - 23:15:00	0.215	127.387	18.123	72.55	967.368	0	2.75	0.067	12
REI Met Station	7/15/2023	23:15:00 - 23:30:00	0.289	147.815	17.478	77.433	967.393	0	2.75	0	12
REI Met Station	7/15/2023	23:30:00 - 23:45:00	0.199	144.616	17.058	78.55	967.423	0	2.75	0.183	12
REI Met Station	7/15/2023	23:45:00 - 00:00:00	0.163	38.265	17.268	78.683	967.478	0	2.75	0	12
REI Met Station	7/16/2023	00:00:00 - 00:15:00	0.354	15.969	18.203	75.233	967.532	0	0	0	12
REI Met Station	7/16/2023	00:15:00 - 00:30:00	0.303	53.554	18.427	73.6	967.653	0	0	0	12
REI Met Station	7/16/2023	00:30:00 - 00:45:00	0.219	162.331	18.233	74.083	967.73	0	0	0	12
REI Met Station	7/16/2023	00:45:00 - 01:00:00	0.142	251.278	18.393	73.233	967.735	0	0	0	12
REI Met Station	7/16/2023	01:00:00 - 01:15:00	0.064	246.679	18.35	72.217	967.802	0	0	0	12
REI Met Station	7/16/2023	01:15:00 - 01:30:00	0.055	195.661	17.995	72.783	967.818	0	0	0	12
REI Met Station	7/16/2023	01:30:00 - 01:45:00	0.172	27.006	17.412	76.267	967.747	0	0	0	12
REI Met Station	7/16/2023	01:45:00 - 02:00:00	0.205	130.442	16.755	78.367	967.767	0	0	0	12
REI Met Station	7/16/2023	02:00:00 - 02:15:00	0.241	125.193	16.758	78.717	967.72	0	0	0	11.998
REI Met Station	7/16/2023	02:15:00 - 02:30:00	0.26	176.895	17.173	77.2	967.8	0	0	0	11.993
REI Met Station	7/16/2023	02:30:00 - 02:45:00	0.138	199.406	17.228	77	967.725	0	0	0	11.995
REI Met Station	7/16/2023	02:45:00 - 03:00:00	0.166	49.061	16.897	77.2	967.645	0	0	0	11.995
REI Met Station	7/16/2023	03:00:00 - 03:15:00	0.57	181.853	16.595	78.483	967.602	0	0	0.15	11.967
REI Met Station	7/16/2023	03:15:00 - 03:30:00	0.324	150.237	16.257	79.3	967.662	0	0	0	11.943
REI Met Station	7/16/2023	03:30:00 - 03:45:00	0.378	179.923	16.075	81	967.713	0	0	0	11.905
REI Met Station	7/16/2023	03:45:00 - 04:00:00	0.214	105.233	15.648	82.067	967.702	0	0	0.083	11.9
REI Met Station	7/16/2023	04:00:00 - 04:15:00	0.102	97.855	15.512	83	967.735	0	0	0	11.9
REI Met Station	7/16/2023	04:15:00 - 04:30:00	0.213	50.983	15.555	83	967.662	0	0	0	11.9
REI Met Station	7/16/2023	04:30:00 - 04:45:00	0.293	163.483	15.385	83	967.613	0	0	0	11.9
REI Met Station	7/16/2023	04:45:00 - 05:00:00	0.252	34.744	15.383	83.017	967.667	0	0	0	11.9
REI Met Station	7/16/2023	05:00:00 - 05:15:00	0.271	306.993	15.263	83.05	967.738	0	0	0	11.9
REI Met Station	7/16/2023	05:15:00 - 05:30:00	0.503	259.808	15.293	82.683	967.947	0	0	0	11.9
REI Met Station	7/16/2023	05:30:00 - 05:45:00	0.385	215.364	15.38	81.65	968.023	0	0	0	11.9
REI Met Station	7/16/2023	05:45:00 - 06:00:00	0.268	136.118	14.86	81.55	968.118	0	0	0	11.9
REI Met Station	7/16/2023	06:00:00 - 06:15:00	0.241	151.275	14.28	83.233	968.293	0	0	0	11.9
REI Met Station	7/16/2023	06:15:00 - 06:30:00	0.345	140.585	14.03	84.083	968.3	0	0	0	11.878
REI Met Station	7/16/2023	06:30:00 - 06:45:00	0.246	33.757	13.728	85.183	968.29	0	0	0	11.867
REI Met Station	7/16/2023	06:45:00 - 07:00:00	0.236	9.057	13.692	85	968.2	0	0	0.083	11.855

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/16/2023	07:00:00 - 07:15:00	0.253	35.404	13.592	85.2	968.25	0	0	0.083	11.852
REI Met Station	7/16/2023	07:15:00 - 07:30:00	0.183	65.513	13.907	84.367	968.23	0	0	0.117	11.832
REI Met Station	7/16/2023	07:30:00 - 07:45:00	0.149	328.708	14.4	82.45	968.268	0	0	0	11.857
REI Met Station	7/16/2023	07:45:00 - 08:00:00	0.146	353.213	15.075	79.1	968.3	0	0	0	11.893
REI Met Station	7/16/2023	08:00:00 - 08:15:00	0.321	267.964	15.963	75.133	968.352	0	0	0	11.9
REI Met Station	7/16/2023	08:15:00 - 08:30:00	0.304	298.706	16.525	71.25	968.313	0	0	0	11.925
REI Met Station	7/16/2023	08:30:00 - 08:45:00	0.552	271.978	17.047	68.233	968.285	0	0	0	12.022
REI Met Station	7/16/2023	08:45:00 - 09:00:00	0.626	309.155	17.477	65.917	968.212	0	0	0	12.15
REI Met Station	7/16/2023	09:00:00 - 09:15:00	0.448	335.311	18.25	63.75	968.092	0	0	0	12.335
REI Met Station	7/16/2023	09:15:00 - 09:30:00	0.418	333.467	19.213	60.483	968.08	0	0	0	12.52
REI Met Station	7/16/2023	09:30:00 - 09:45:00	0.482	3.559	19.507	60.017	968.088	0	0	0	12.635
REI Met Station	7/16/2023	09:45:00 - 10:00:00	0.304	316.205	20.527	56.55	968.19	0	0	0	12.738
REI Met Station	7/16/2023	10:00:00 - 10:15:00	0.605	265.975	20.55	53.067	968.22	0	0	0	12.828
REI Met Station	7/16/2023	10:15:00 - 10:30:00	0.796	237.555	20.905	50.317	968.203	0	0	0	12.992
REI Met Station	7/16/2023	10:30:00 - 10:45:00	0.587	288.236	21.443	48.483	968.2	0	0	0.117	13.08
REI Met Station	7/16/2023	10:45:00 - 11:00:00	0.813	252.248	21.828	45.733	968.243	0	0	0	13.002
REI Met Station	7/16/2023	11:00:00 - 11:15:00	0.812	250.209	21.813	44.933	968.167	0	0	0.067	13
REI Met Station	7/16/2023	11:15:00 - 11:30:00	1.216	228.569	21.915	44.617	968.11	0	0	0	13
REI Met Station	7/16/2023	11:30:00 - 11:45:00	1.066	220.405	21.97	44.667	967.955	0	0	0	13
REI Met Station	7/16/2023	11:45:00 - 12:00:00	0.912	224.177	22.46	44.283	967.923	0	0	0	12.988
REI Met Station	7/16/2023	12:00:00 - 12:15:00	0.733	231.636	22.772	44.35	967.81	0	0	0	12.937
REI Met Station	7/16/2023	12:15:00 - 12:30:00	1.335	220.122	22.82	42.967	967.755	0	0	0	12.888
REI Met Station	7/16/2023	12:30:00 - 12:45:00	0.695	236.138	23.015	44.033	967.705	0	0	0	12.465
REI Met Station	7/16/2023	12:45:00 - 13:00:00	2.047	218.575	23.038	42.75	967.623	0	0	0	12.4
REI Met Station	7/16/2023	13:00:00 - 13:15:00	1.156	222.101	23.375	42.483	967.528	0	0	0	12.4
REI Met Station	7/16/2023	13:15:00 - 13:30:00	1.485	216.756	23.508	42.7	967.4	0	0	0	12.4
REI Met Station	7/16/2023	13:30:00 - 13:45:00	1.562	217.536	23.98	41.983	967.24	0	0	0.067	12.398
REI Met Station	7/16/2023	13:45:00 - 14:00:00	1.67	217.273	23.978	41.9	967.027	0	0	0.067	12.4
REI Met Station	7/16/2023	14:00:00 - 14:15:00	0.964	228.479	24.335	42.767	966.743	0	0	0	12.397
REI Met Station	7/16/2023	14:15:00 - 14:30:00	2.2	216.995	23.907	43.5	966.555	0	0	0	12.415
REI Met Station	7/16/2023	14:30:00 - 14:45:00	1.126	222.261	24.263	44.333	966.325	0	0	0.067	12.44
REI Met Station	7/16/2023	14:45:00 - 15:00:00	1.945	226.401	24.415	43.333	966.145	0	0	0	12.4
REI Met Station	7/16/2023	15:00:00 - 15:15:00	3.355	220.057	23.898	43.3	966.073	0	0	0	12.473
REI Met Station	7/16/2023	15:15:00 - 15:30:00	2.499	217.836	23.895	44.217	965.92	0	0	0	12.517
REI Met Station	7/16/2023	15:30:00 - 15:45:00	1.961	223.388	24.683	42.383	965.792	0	0	0	12.417
REI Met Station	7/16/2023	15:45:00 - 16:00:00	2.128	228.802	24.59	42.967	965.718	0	0	0	12.422
REI Met Station	7/16/2023	16:00:00 - 16:15:00	1.188	239.257	24.255	44.65	965.56	0	0	0	12.487
REI Met Station	7/16/2023	16:15:00 - 16:30:00	1.937	241.229	24.598	42.217	965.392	0	0	0	12.5
REI Met Station	7/16/2023	16:30:00 - 16:45:00	1.136	254.714	24.865	42.083	965.183	0	0	0	12.46
REI Met Station	7/16/2023	16:45:00 - 17:00:00	2.056	228.876	24.868	42.217	965.065	0	0	0	12.402
REI Met Station	7/16/2023	17:00:00 - 17:15:00	2.656	225.039	24.727	43.067	964.835	0	0	0	12.41
REI Met Station	7/16/2023	17:15:00 - 17:30:00	2.007	227.098	24.83	43.7	964.85	0	0	0	12.497
REI Met Station	7/16/2023	17:30:00 - 17:45:00	2.129	228.6	24.588	43.867	964.898	0	0	0	12.487
REI Met Station	7/16/2023	17:45:00 - 18:00:00	1.4	228.815	23.935	44.067	964.807	0	0	0.067	12.547
REI Met Station	7/16/2023	18:00:00 - 18:15:00	1.174	301.787	22.703	47.567	965.433	0	0	0.083	12.342
REI Met Station	7/16/2023	18:15:00 - 18:30:00	0.904	338.911	18.913	62.067	966.155	0	0	0	12.27
REI Met Station	7/16/2023	18:30:00 - 18:45:00	0.547	339.887	17.8	68.25	966.003	0.008	0.138	0	12.3
REI Met Station	7/16/2023	18:45:00 - 19:00:00	0.387	280.562	17.372	71.367	965.592	0	0.5	0	12.275
REI Met Station	7/16/2023	19:00:00 - 19:15:00	0.263	181.338	17.518	70.867	965.362	0	0.5	0	12.2
REI Met Station	7/16/2023	19:15:00 - 19:30:00	0.174	316.442	17.55	72.117	965.237	0	0.5	0	12.178
REI Met Station	7/16/2023	19:30:00 - 19:45:00	0.503	343.127	16.99	75.05	965.602	0.021	0.771	0	12.1
REI Met Station	7/16/2023	19:45:00 - 20:00:00	0.325	327.874	15.342	82.3	965.797	0.017	2.321	0	12.1
REI Met Station	7/16/2023	20:00:00 - 20:15:00	0.219	243.424	15.232	84.483	966.022	0	2.75	0	12.1
REI Met Station	7/16/2023	20:15:00 - 20:30:00	0.019	240.857	15.81	84.55	965.978	0	2.75	0	12.1
REI Met Station	7/16/2023	20:30:00 - 20:45:00	0.443	222.866	16.287	83.367	965.965	0	2.75	0	12.1
REI Met Station	7/16/2023	20:45:00 - 21:00:00	0.116	165.82	16.278	83.75	965.922	0	2.75	0	12.1
REI Met Station	7/16/2023	21:00:00 - 21:15:00	0.306	95.986	15.725	85.433	965.888	0	2.75	0	12.092
REI Met Station	7/16/2023	21:15:00 - 21:30:00	0.22	134.396	15.458	86.433	965.895	0	2.75	0	12.058
REI Met Station	7/16/2023	21:30:00 - 21:45:00	0.192	95.973	15.2	87.567	966.018	0	2.75	0	12.012
REI Met Station	7/16/2023	21:45:00 - 22:00:00	0.177	56.028	15.057	88.767	966.282	0	2.75	0.067	12
REI Met Station	7/16/2023	22:00:00 - 22:15:00	0.151	31.574	15.082	89.65	966.428	0	2.75	0	12
REI Met Station	7/16/2023	22:15:00 - 22:30:00	0.153	132.988	14.933	90	966.613	0	2.75	0	12
REI Met Station	7/16/2023	22:30:00 - 22:45:00	0.608	188.192	14.943	90	966.91	0	2.75	0	12
REI Met Station	7/16/2023	22:45:00 - 23:00:00	0.481	194.122	14.697	90	967.162	0	2.75	0	12
REI Met Station	7/16/2023	23:00:00 - 23:15:00	0.544	184.429	14.543	90	967.343	0	2.75	0	12
REI Met Station	7/16/2023	23:15:00 - 23:30:00	0.339	188.724	14.387	90.033	967.432	0	2.75	0	12
REI Met Station	7/16/2023	23:30:00 - 23:45:00	0.166	282.402	14.137	89.683	967.66	0	2.75	0	12
REI Met Station	7/16/2023	23:45:00 - 00:00:00	0.104	107.675	13.815	87.4	967.818	0.004	2.833	0	12
REI Met Station	7/17/2023	00:00:00 - 00:15:00	0.253	229.993	13.847	83.767	967.945	0	0	0	12
REI Met Station	7/17/2023	00:15:00 - 00:30:00	0.286	199.392	13.592	84.617	968.055	0	0	0	12
REI Met Station	7/17/2023	00:30:00 - 00:45:00	0.057	128.904	13.338	85.817	968.138	0	0	0	11.992
REI Met Station	7/17/2023	00:45:00 - 01:00:00	0.043	131.721	13.538	81.35	968.267	0	0	0.067	11.985
REI Met Station	7/17/2023	01:00:00 - 01:15:00	0.151	117.269	13.388	79.65	968.302	0	0	0.067	11.983
REI Met Station	7/17/2023	01:15:00 - 01:30:00	0.35	168.23	13.027	80.9	968.3	0	0	0	11.957
REI Met Station	7/17/2023	01:30:00 - 01:45:00	0.313	135.412	12.723	82.577	968.415	0	0	0	11.904
REI Met Station	7/17/2023	01:45:00 - 02:00:00	0.197	188.328	12.277	83.083	968.587	0	0	0	11.9
REI Met Station	7/17/2023	02:00:00 - 02:15:00	0.123	236.562	12.507	81.317	968.625	0	0	0	11.9
REI Met Station	7/17/2023	02:15:00 - 02:30:00	0.857	199.262	12.637	81.05	968.638	0	0	0	11.9
REI Met Station	7/17/2023	02:30:00 - 02:45:00	0.867	194.326	12.253	82.917	968.563	0	0	0	11.9
REI Met Station	7/17/2023	02:45:00 - 03:00:00	0.407	177.292	11.862	84.317	968.58	0	0	0	11.9
REI Met Station	7/17/2023	03:00:00 - 03:15:00	0.526	203.698	11.7	85	968.765	0	0	0.15	11.9
REI Met Station	7/17/2023	03:15:00 - 03:30:00	0.664	196.598	11.7	85	968.727	0	0	0	11.898
REI Met Station	7/17/2023	03:30:00 - 03:45:00	0.679	202.033	11.7	84.967	968.847	0	0	0	11.893
REI Met Station	7/17/2023	03:45:00 - 04:00:00	0.785	236.502	11.702	84	968.758	0	0	0	11.9
REI Met Station	7/17/2023	04:00:00 - 04:15:00	0.684	190.96	11.632	84	968.85	0	0	0	11.9
REI Met Station	7/17/2023	04:15:00 - 04:30:00	0.52	189.691	11.298	85.167	968.872	0	0	0	11.863
REI Met Station	7/17/2023	04:30:00 - 04:45:00	0.625	200.672	11.22	86	968.82	0	0	0	11.893
REI Met Station	7/17/2023	04:45:00 - 05:00:00	0.542	205.527	11.218	85.95	968.848	0	0	0	11.858
REI Met Station	7/17/2023	05:00:00 - 05:15:00	0.537	205.339	11.252	85.583	968.793	0	0	0	11.805
REI Met Station	7/17/2023	05:15:00 - 05:30:00	0.389	195.225	11.145	85.633	968.845	0	0	0	11.8

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/17/2023	05:30:00 - 05:45:00	0.753	194.398	11.057	86.017	968.845	0	0	0	11.8
REI Met Station	7/17/2023	05:45:00 - 06:00:00	0.511	195.61	10.817	87.067	968.838	0	0	0	11.8
REI Met Station	7/17/2023	06:00:00 - 06:15:00	0.625	195.879	10.728	87.933	968.858	0	0	0	11.8
REI Met Station	7/17/2023	06:15:00 - 06:30:00	0.268	186.466	10.625	88.1	968.818	0	0	0	11.8
REI Met Station	7/17/2023	06:30:00 - 06:45:00	0.638	190.892	10.815	88.6	968.793	0	0	0	11.8
REI Met Station	7/17/2023	06:45:00 - 07:00:00	0.718	198.258	10.927	88	968.843	0	0	0.1	11.8
REI Met Station	7/17/2023	07:00:00 - 07:15:00	0.637	197.094	11.023	88	968.998	0	0	0	11.8
REI Met Station	7/17/2023	07:15:00 - 07:30:00	0.737	202.696	11.267	88	969.133	0	0	0	11.8
REI Met Station	7/17/2023	07:30:00 - 07:45:00	0.684	210.272	11.627	87.083	969.237	0	0	0	11.8
REI Met Station	7/17/2023	07:45:00 - 08:00:00	0.439	189.662	12.177	85.6	969.335	0	0	0	11.8
REI Met Station	7/17/2023	08:00:00 - 08:15:00	0.316	185.705	13.122	82.733	969.453	0	0	0	11.805
REI Met Station	7/17/2023	08:15:00 - 08:30:00	0.182	258.753	13.915	79.717	969.605	0	0	0	11.9
REI Met Station	7/17/2023	08:30:00 - 08:45:00	0.42	291.316	14.403	77.917	969.603	0	0	0	12
REI Met Station	7/17/2023	08:45:00 - 09:00:00	0.493	240.288	15.067	76.317	969.62	0	0	0	12.135
REI Met Station	7/17/2023	09:00:00 - 09:15:00	0.359	282.754	15.665	74.7	969.67	0	0	0	12.23
REI Met Station	7/17/2023	09:15:00 - 09:30:00	0.393	306.343	16.018	73.483	969.642	0	0	0	12.51
REI Met Station	7/17/2023	09:30:00 - 09:45:00	0.548	311.938	16.417	72.567	969.658	0	0	0.1	12.675
REI Met Station	7/17/2023	09:45:00 - 10:00:00	0.337	313.137	17.173	71.117	969.755	0	0	0	12.818
REI Met Station	7/17/2023	10:00:00 - 10:15:00	0.638	305.005	17.477	69.733	969.79	0	0	0	12.952
REI Met Station	7/17/2023	10:15:00 - 10:30:00	0.595	318.989	18.207	68.033	969.682	0	0	0	13.15
REI Met Station	7/17/2023	10:30:00 - 10:45:00	0.826	286.64	18.365	65.833	969.695	0	0	0	13.198
REI Met Station	7/17/2023	10:45:00 - 11:00:00	0.568	313.335	19.132	62.9	969.707	0	0	0	13.197
REI Met Station	7/17/2023	11:00:00 - 11:15:00	0.592	294.645	19.498	61.167	969.747	0	0	0	13.15
REI Met Station	7/17/2023	11:15:00 - 11:30:00	1.019	277.691	19.763	58.867	969.895	0	0	0	13.075
REI Met Station	7/17/2023	11:30:00 - 11:45:00	0.895	281.943	19.933	58.533	969.937	0	0	0	13.088
REI Met Station	7/17/2023	11:45:00 - 12:00:00	0.89	235.063	20.217	56.867	969.982	0	0	0	13.07
REI Met Station	7/17/2023	12:00:00 - 12:15:00	0.842	259.066	20.282	55.867	969.975	0	0	0.067	12.957
REI Met Station	7/17/2023	12:15:00 - 12:30:00	0.855	258.93	20.21	56.517	970.127	0	0	0	12.938
REI Met Station	7/17/2023	12:30:00 - 12:45:00	0.664	270.132	20.377	54.933	970.185	0	0	0	12.548
REI Met Station	7/17/2023	12:45:00 - 13:00:00	0.802	265.797	19.937	56.833	970.207	0	0	0.033	12.805
REI Met Station	7/17/2023	13:00:00 - 13:15:00	1.16	262.789	19.423	57.733	970.303	0	0	0	12.858
REI Met Station	7/17/2023	13:15:00 - 13:30:00	0.495	328.077	20.123	55.55	970.247	0	0	0	13.163
REI Met Station	7/17/2023	13:30:00 - 13:45:00	0.485	321.425	20.078	55.817	970.178	0	0	0	12.8
REI Met Station	7/17/2023	13:45:00 - 14:00:00	0.886	357.168	19.297	57.333	970.328	0	0	0	12.523
REI Met Station	7/17/2023	14:00:00 - 14:15:00	0.838	35.705	19.395	59.917	970.383	0	0	0	12.973
REI Met Station	7/17/2023	14:15:00 - 14:30:00	0.754	333.878	18.988	61.767	970.56	0	0	0	12.792
REI Met Station	7/17/2023	14:30:00 - 14:45:00	0.366	303.705	19.522	59.267	970.597	0	0	0	13.228
REI Met Station	7/17/2023	14:45:00 - 15:00:00	0.542	355.399	20.255	57.867	970.378	0	0	0	12.71
REI Met Station	7/17/2023	15:00:00 - 15:15:00	0.343	325.112	19.443	59.633	970.47	0	0	0	12.532
REI Met Station	7/17/2023	15:15:00 - 15:30:00	0.378	335.528	18.315	68.867	970.553	0	0	0	13.087
REI Met Station	7/17/2023	15:30:00 - 15:45:00	0.404	319.471	19.115	62.667	970.503	0	0	0.167	13.255
REI Met Station	7/17/2023	15:45:00 - 16:00:00	0.492	283.144	20.428	56.733	970.448	0	0	0.083	13.153
REI Met Station	7/17/2023	16:00:00 - 16:15:00	0.804	284.977	20.667	56.2	970.488	0	0	0.083	13.093
REI Met Station	7/17/2023	16:15:00 - 16:30:00	0.436	297.396	20.487	56.4	970.497	0	0	0	13.185
REI Met Station	7/17/2023	16:30:00 - 16:45:00	0.851	236.833	21.6	55.317	970.39	0	0	0	13.085
REI Met Station	7/17/2023	16:45:00 - 17:00:00	0.96	223.627	21.582	53.383	970.208	0	0	0	13.037
REI Met Station	7/17/2023	17:00:00 - 17:15:00	1.894	217.164	21.54	53.333	970.05	0	0	0	13.07
REI Met Station	7/17/2023	17:15:00 - 17:30:00	1.05	238.082	20.903	53.333	969.972	0	0	0	12.855
REI Met Station	7/17/2023	17:30:00 - 17:45:00	0.612	273.917	21.687	50.75	970.073	0	0	0	12.6
REI Met Station	7/17/2023	17:45:00 - 18:00:00	1.071	325.67	21.575	48.683	970.137	0	0	0	12.6
REI Met Station	7/17/2023	18:00:00 - 18:15:00	0.716	261.245	20.858	52.817	970.255	0	0	0.067	12.533
REI Met Station	7/17/2023	18:15:00 - 18:30:00	0.606	269.455	21.412	52.95	970.26	0	0	0.067	13.058
REI Met Station	7/17/2023	18:30:00 - 18:45:00	0.677	310.817	22.1	48.65	970.128	0	0	0.067	13.152
REI Met Station	7/17/2023	18:45:00 - 19:00:00	0.678	301.152	22.262	47.433	970.112	0	0	0	13.193
REI Met Station	7/17/2023	19:00:00 - 19:15:00	0.624	284.76	21.848	48.067	970.152	0	0	0	12.83
REI Met Station	7/17/2023	19:15:00 - 19:30:00	0.879	288.486	20.847	51.167	970.422	0	0	0	12.488
REI Met Station	7/17/2023	19:30:00 - 19:45:00	0.533	309.337	20.66	52.75	970.542	0	0	0	12.398
REI Met Station	7/17/2023	19:45:00 - 20:00:00	0.512	325.248	20.615	53.567	970.53	0	0	0	12.357
REI Met Station	7/17/2023	20:00:00 - 20:15:00	0.456	294.456	20.863	51.967	970.527	0	0	0	12.302
REI Met Station	7/17/2023	20:15:00 - 20:30:00	0.414	294.177	20.025	53.417	970.738	0	0	0	12.213
REI Met Station	7/17/2023	20:30:00 - 20:45:00	0.314	338.603	19.488	56.167	970.85	0	0	0	12.2
REI Met Station	7/17/2023	20:45:00 - 21:00:00	0.342	332.918	18.952	57.8	970.903	0	0	0	12.197
REI Met Station	7/17/2023	21:00:00 - 21:15:00	0.334	353.755	18.778	58.283	970.993	0	0	0	12.148
REI Met Station	7/17/2023	21:15:00 - 21:30:00	0.251	17.502	18.348	60.267	971.01	0	0	0	12.1
REI Met Station	7/17/2023	21:30:00 - 21:45:00	0.441	0.581	17.932	61.683	971.195	0	0	0.083	12.1
REI Met Station	7/17/2023	21:45:00 - 22:00:00	0.392	359.88	17.433	63.683	971.477	0	0	0.033	12.098
REI Met Station	7/17/2023	22:00:00 - 22:15:00	0.208	91.782	16.733	66.4	971.612	0	0	0.15	12.1
REI Met Station	7/17/2023	22:15:00 - 22:30:00	0.308	30.731	16.278	68.883	971.7	0	0	0	12.092
REI Met Station	7/17/2023	22:30:00 - 22:45:00	0.162	14.626	16.253	69.4	971.737	0	0	0	12.095
REI Met Station	7/17/2023	22:45:00 - 23:00:00	0.153	68.404	15.987	70.183	971.805	0	0	0	12.1
REI Met Station	7/17/2023	23:00:00 - 23:15:00	0.523	173.717	15.827	71.25	971.92	0	0	0	12.09
REI Met Station	7/17/2023	23:15:00 - 23:30:00	0.246	185.443	15.897	71.05	971.935	0	0	0	12.075
REI Met Station	7/17/2023	23:30:00 - 23:45:00	0.508	202.763	15.758	71.567	972.002	0	0	0	12.028
REI Met Station	7/17/2023	23:45:00 - 00:00:00	0.312	158.57	15.257	73.75	972.053	0	0	0	12
REI Met Station	7/18/2023	00:00:00 - 00:15:00	0.247	162.969	14.647	75.75	972.093	0	0	0	12
REI Met Station	7/18/2023	00:15:00 - 00:30:00	0.482	153.841	14.412	76.917	971.98	0	0	0	12
REI Met Station	7/18/2023	00:30:00 - 00:45:00	0.415	151.685	14.083	77.85	971.978	0	0	0	12
REI Met Station	7/18/2023	00:45:00 - 01:00:00	0.317	152.042	13.482	80.417	971.9	0	0	0	12
REI Met Station	7/18/2023	01:00:00 - 01:15:00	0.485	175.446	13.703	80.9	971.903	0	0	0	12
REI Met Station	7/18/2023	01:15:00 - 01:30:00	0.318	118.623	13.578	82.667	971.925	0	0	0.017	12
REI Met Station	7/18/2023	01:30:00 - 01:45:00	0.433	173.879	13.067	84.4	971.998	0	0	0.1	12
REI Met Station	7/18/2023	01:45:00 - 02:00:00	0.269	136.679	12.71	84.683	972.062	0	0	0.083	12
REI Met Station	7/18/2023	02:00:00 - 02:15:00	0.5	175.081	12.808	85.367	972.045	0	0	0	12
REI Met Station	7/18/2023	02:15:00 - 02:30:00	0.399	133.856	12.715	85.083	971.943	0	0	0.133	11.998
REI Met Station	7/18/2023	02:30:00 - 02:45:00	0.438	135.316	12.392	86.817	971.895	0	0	0	12
REI Met Station	7/18/2023	02:45:00 - 03:00:00	0.374	141.085	12.347	88.017	971.87	0	0	0	12
REI Met Station	7/18/2023	03:00:00 - 03:15:00	0.369	145.197	12.015	88.533	971.978	0	0	0	11.997
REI Met Station	7/18/2023	03:15:00 - 03:30:00	0.315	141.222	11.925	88.567	972.152	0	0	0	12
REI Met Station	7/18/2023	03:30:00 - 03:45:00	0.228	95.607	12.077	88.367	972.238	0	0	0	11.998
REI Met Station	7/18/2023	03:45:00 - 04:00:00	0.329	137.955	12.135	87.933	972.155	0	0	0	11.992

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/18/2023	04:00:00 - 04:15:00	0.152	103.369	12.123	87.567	972.085	0	0	0	11.972
REI Met Station	7/18/2023	04:15:00 - 04:30:00	0.546	185.193	12.028	87.833	972.087	0	0	0	11.965
REI Met Station	7/18/2023	04:30:00 - 04:45:00	0.133	60.176	12.083	87.067	972.212	0	0	0	11.927
REI Met Station	7/18/2023	04:45:00 - 05:00:00	0.233	47.44	11.938	87.283	972.41	0	0	0.083	11.9
REI Met Station	7/18/2023	05:00:00 - 05:15:00	0.313	8.254	11.997	87.8	972.388	0	0	0	11.9
REI Met Station	7/18/2023	05:15:00 - 05:30:00	0.198	9.524	11.953	87	972.4	0	0	0	11.9
REI Met Station	7/18/2023	05:30:00 - 05:45:00	0.136	25.834	11.8	87.667	972.443	0	0	0.117	11.9
REI Met Station	7/18/2023	05:45:00 - 06:00:00	0.168	358.272	11.825	87.967	972.567	0	0	0	11.9
REI Met Station	7/18/2023	06:00:00 - 06:15:00	0.278	170.196	11.597	88.067	972.722	0	0	0	11.9
REI Met Station	7/18/2023	06:15:00 - 06:30:00	0.58	201.141	11.833	88	972.768	0	0	0	11.9
REI Met Station	7/18/2023	06:30:00 - 06:45:00	0.105	156.175	11.747	88	972.893	0	0	0	11.9
REI Met Station	7/18/2023	06:45:00 - 07:00:00	0.295	355.088	11.78	88.017	972.837	0	0	0	11.9
REI Met Station	7/18/2023	07:00:00 - 07:15:00	0.264	351.797	11.91	87.933	972.867	0	0	0	11.9
REI Met Station	7/18/2023	07:15:00 - 07:30:00	0.428	355.911	12.022	87.15	972.792	0	0	0	11.9
REI Met Station	7/18/2023	07:30:00 - 07:45:00	0.359	3.123	12.357	86.45	972.757	0	0	0	11.9
REI Met Station	7/18/2023	07:45:00 - 08:00:00	0.195	353.348	12.858	84.617	972.662	0	0	0	11.9
REI Met Station	7/18/2023	08:00:00 - 08:15:00	0.909	196.781	13.707	81.333	972.603	0	0	0.083	11.915
REI Met Station	7/18/2023	08:15:00 - 08:30:00	0.285	139.153	14.425	78.717	972.612	0	0	0	11.997
REI Met Station	7/18/2023	08:30:00 - 08:45:00	0.074	10.617	15.303	75.867	972.683	0	0	0.033	12.07
REI Met Station	7/18/2023	08:45:00 - 09:00:00	0.301	309.111	15.99	73.15	972.6	0	0	0	12.243
REI Met Station	7/18/2023	09:00:00 - 09:15:00	1.049	187.12	16.307	72.433	972.592	0	0	0.067	12.375
REI Met Station	7/18/2023	09:15:00 - 09:30:00	0.41	178.325	16.882	72.167	972.728	0	0	0	12.407
REI Met Station	7/18/2023	09:30:00 - 09:45:00	0.265	222.744	17.383	70.75	972.81	0	0	0	12.548
REI Met Station	7/18/2023	09:45:00 - 10:00:00	0.907	192.56	18.565	67.883	972.69	0	0	0	12.878
REI Met Station	7/18/2023	10:00:00 - 10:15:00	1.296	199.523	19.043	65.25	972.543	0	0	0	13.013
REI Met Station	7/18/2023	10:15:00 - 10:30:00	0.213	318.73	20.265	63.067	972.558	0	0	0	13.108
REI Met Station	7/18/2023	10:30:00 - 10:45:00	0.552	293.753	21.235	58.883	972.582	0	0	0	13.075
REI Met Station	7/18/2023	10:45:00 - 11:00:00	0.531	274.211	21.178	58.75	972.567	0	0	0	13.017
REI Met Station	7/18/2023	11:00:00 - 11:15:00	0.444	347.294	21.735	57.85	972.628	0	0	0	13
REI Met Station	7/18/2023	11:15:00 - 11:30:00	0.623	13.231	22.08	57.033	972.622	0	0	0	13
REI Met Station	7/18/2023	11:30:00 - 11:45:00	0.746	21.347	22.262	55.933	972.718	0	0	0	12.995
REI Met Station	7/18/2023	11:45:00 - 12:00:00	0.474	254.725	22.582	54.333	972.727	0	0	0	12.987
REI Met Station	7/18/2023	12:00:00 - 12:15:00	0.733	224.206	22.917	53.467	972.665	0	0	0	12.965
REI Met Station	7/18/2023	12:15:00 - 12:30:00	0.533	192.833	23.253	52.583	972.612	0	0	0.017	12.608
REI Met Station	7/18/2023	12:30:00 - 12:45:00	0.575	229.38	23.163	52.517	972.782	0	0	0	12.4
REI Met Station	7/18/2023	12:45:00 - 13:00:00	0.181	199.126	23.592	51.217	972.708	0	0	0	12.423
REI Met Station	7/18/2023	13:00:00 - 13:15:00	0.875	236.271	23.183	52.283	972.66	0	0	0	12.485
REI Met Station	7/18/2023	13:15:00 - 13:30:00	0.748	212.553	23.793	50.75	972.542	0	0	0	12.422
REI Met Station	7/18/2023	13:30:00 - 13:45:00	0.036	184.11	23.047	51.35	972.513	0	0	0	12.517
REI Met Station	7/18/2023	13:45:00 - 14:00:00	0.138	257.499	22.998	51.017	972.503	0	0	0	12.575
REI Met Station	7/18/2023	14:00:00 - 14:15:00	0.277	204.969	23.702	50.183	972.513	0	0	0	12.538
REI Met Station	7/18/2023	14:15:00 - 14:30:00	0.677	214.159	23.833	49.683	972.467	0	0	0	12.488
REI Met Station	7/18/2023	14:30:00 - 14:45:00	0.685	234.653	24.838	48.317	972.412	0	0	0	12.417
REI Met Station	7/18/2023	14:45:00 - 15:00:00	0.562	206.176	25.632	45.267	972.217	0	0	0	12.328
REI Met Station	7/18/2023	15:00:00 - 15:15:00	1.071	217.239	25.395	45.65	972.102	0	0	0.017	12.365
REI Met Station	7/18/2023	15:15:00 - 15:30:00	1.915	210.457	25.32	44.083	972.037	0	0	0.067	12.383
REI Met Station	7/18/2023	15:30:00 - 15:45:00	0.605	281.571	25.07	45.433	971.987	0	0	0	12.398
REI Met Station	7/18/2023	15:45:00 - 16:00:00	0.763	235.618	24.538	45.817	971.96	0	0	0	12.452
REI Met Station	7/18/2023	16:00:00 - 16:15:00	0.722	14.438	24.292	47.05	971.997	0	0	0	12.5
REI Met Station	7/18/2023	16:15:00 - 16:30:00	0.441	339.981	24.482	48.467	972.018	0	0	0	12.64
REI Met Station	7/18/2023	16:30:00 - 16:45:00	0.761	40.567	24.195	48.517	971.993	0	0	0	12.69
REI Met Station	7/18/2023	16:45:00 - 17:00:00	0.651	44.469	24.128	48.967	971.968	0	0	0	12.76
REI Met Station	7/18/2023	17:00:00 - 17:15:00	0.766	47.395	24.883	47.217	971.833	0	0	0	12.877
REI Met Station	7/18/2023	17:15:00 - 17:30:00	0.588	32.476	25.36	45.65	971.732	0	0	0	12.825
REI Met Station	7/18/2023	17:30:00 - 17:45:00	0.564	26.904	24.642	47.767	971.837	0	0	0	12.605
REI Met Station	7/18/2023	17:45:00 - 18:00:00	0.279	5.941	24.265	48.15	971.803	0	0	0	12.492
REI Met Station	7/18/2023	18:00:00 - 18:15:00	0.591	22.715	24.295	48.833	971.865	0	0	0.083	12.597
REI Met Station	7/18/2023	18:15:00 - 18:30:00	0.62	338.548	24.388	47.933	971.897	0	0	0	12.545
REI Met Station	7/18/2023	18:30:00 - 18:45:00	0.83	30.876	23.815	51.65	971.93	0	0	0.067	12.553
REI Met Station	7/18/2023	18:45:00 - 19:00:00	0.637	61.511	23.393	53.55	971.88	0	0	0.083	12.432
REI Met Station	7/18/2023	19:00:00 - 19:15:00	0.395	33.158	23.088	54.55	971.907	0	0	0	12.3
REI Met Station	7/18/2023	19:15:00 - 19:30:00	0.324	52.372	23.477	51.967	971.99	0	0	0	12.3
REI Met Station	7/18/2023	19:30:00 - 19:45:00	0.292	60.269	23.788	51.65	972.003	0	0	0	12.32
REI Met Station	7/18/2023	19:45:00 - 20:00:00	0.191	50.398	23.9	51.083	972.068	0	0	0	12.3
REI Met Station	7/18/2023	20:00:00 - 20:15:00	0.281	203.856	23.623	50.083	972.18	0	0	0	12.227
REI Met Station	7/18/2023	20:15:00 - 20:30:00	0.284	209.731	23.495	51.083	972.29	0	0	0	12.2
REI Met Station	7/18/2023	20:30:00 - 20:45:00	0.221	234.956	23.403	51.817	972.323	0	0	0	12.2
REI Met Station	7/18/2023	20:45:00 - 21:00:00	0.334	40.587	22.802	52.883	972.347	0	0	0	12.162
REI Met Station	7/18/2023	21:00:00 - 21:15:00	0.494	355.328	22.068	54.517	972.377	0	0	0	12.1
REI Met Station	7/18/2023	21:15:00 - 21:30:00	0.473	1.711	21.493	56.633	972.547	0	0	0.083	12.098
REI Met Station	7/18/2023	21:30:00 - 21:45:00	0.371	350.551	20.997	58.5	972.493	0	0	0	12.1
REI Met Station	7/18/2023	21:45:00 - 22:00:00	0.222	78.582	20.127	64.417	972.515	0	0	0	12.1
REI Met Station	7/18/2023	22:00:00 - 22:15:00	0.328	69.175	19.192	69.283	972.727	0	0	0	12.095
REI Met Station	7/18/2023	22:15:00 - 22:30:00	0.227	118.498	18.608	70.167	972.948	0	0	0	12.093
REI Met Station	7/18/2023	22:30:00 - 22:45:00	0.317	79.011	18.18	73.35	973.178	0	0	0	12.098
REI Met Station	7/18/2023	22:45:00 - 23:00:00	0.225	46.576	17.885	75.15	973.433	0	0	0	12.08
REI Met Station	7/18/2023	23:00:00 - 23:15:00	0.258	102.022	17.438	76.867	973.483	0	0	0	12.048
REI Met Station	7/18/2023	23:15:00 - 23:30:00	0.264	127.552	16.78	79.067	973.433	0	0	0	12
REI Met Station	7/18/2023	23:30:00 - 23:45:00	0.284	124.93	16.22	81.617	973.548	0	0	0	12
REI Met Station	7/18/2023	23:45:00 - 00:00:00	0.284	117.864	16.247	83.917	973.727	0	0	0	12
REI Met Station	7/19/2023	00:00:00 - 00:15:00	0.216	190.255	15.957	85.267	974.032	0	0	0	12
REI Met Station	7/19/2023	00:15:00 - 00:30:00	0.28	119.13	15.762	86.133	974.357	0	0	0	12
REI Met Station	7/19/2023	00:30:00 - 00:45:00	0.331	87.386	15.852	87	974.453	0	0	0	12
REI Met Station	7/19/2023	00:45:00 - 01:00:00	0.364	108.373	15.725	87.533	974.578	0	0	0	12
REI Met Station	7/19/2023	01:00:00 - 01:15:00	0.625	124.289	15.65	88	974.333	0	0	0.1	12
REI Met Station	7/19/2023	01:15:00 - 01:30:00	0.196	128.132	15.308	88.083	974.357	0	0	0.15	12
REI Met Station	7/19/2023	01:30:00 - 01:45:00	0.464	111.217	15.252	89.45	974.405	0	0	0.15	12
REI Met Station	7/19/2023	01:45:00 - 02:00:00	0.511	116.277	15.215	90	974.447	0	0	0	12
REI Met Station	7/19/2023	02:00:00 - 02:15:00	0.473	124.593	14.953	90.167	974.393	0	0	0	12
REI Met Station	7/19/2023	02:15:00 - 02:30:00	0.377	95.684	14.813	90.017	974.252	0	0	0	12

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/19/2023	02:30:00 - 02:45:00	0.406	141.736	14.39	90.333	974.295	0	0	0	12
REI Met Station	7/19/2023	02:45:00 - 03:00:00	0.413	146.305	14.263	90.917	974.202	0	0	0	11.993
REI Met Station	7/19/2023	03:00:00 - 03:15:00	0.451	149.161	14.14	91	974.177	0	0	0	11.982
REI Met Station	7/19/2023	03:15:00 - 03:30:00	0.454	94.697	14.108	91.183	974.128	0	0	0	11.922
REI Met Station	7/19/2023	03:30:00 - 03:45:00	0.452	132.138	13.893	91	974.105	0	0	0	11.9
REI Met Station	7/19/2023	03:45:00 - 04:00:00	0.242	64.623	13.882	91.533	974.252	0	0	0	11.9
REI Met Station	7/19/2023	04:00:00 - 04:15:00	0.301	125.689	13.703	91.417	974.445	0	0	0	11.9
REI Met Station	7/19/2023	04:15:00 - 04:30:00	0.3	142.427	13.648	91.733	974.505	0	0	0	11.9
REI Met Station	7/19/2023	04:30:00 - 04:45:00	0.469	143.144	13.862	92	974.467	0	0	0	11.9
REI Met Station	7/19/2023	04:45:00 - 05:00:00	0.333	147.46	13.943	92	974.288	0	0	0.067	11.9
REI Met Station	7/19/2023	05:00:00 - 05:15:00	0.454	136.727	13.997	92	974.338	0	0	0.017	11.898
REI Met Station	7/19/2023	05:15:00 - 05:30:00	0.371	129.879	14.033	92	974.463	0	0	0	11.9
REI Met Station	7/19/2023	05:30:00 - 05:45:00	0.352	111.822	13.92	92	974.693	0	0	0.017	11.9
REI Met Station	7/19/2023	05:45:00 - 06:00:00	0.504	123.088	13.732	92	974.7	0	0	0	11.9
REI Met Station	7/19/2023	06:00:00 - 06:15:00	0.27	92.676	13.615	92	974.655	0	0	0	11.9
REI Met Station	7/19/2023	06:15:00 - 06:30:00	0.286	162.614	13.412	92	974.698	0	0	0	11.898
REI Met Station	7/19/2023	06:30:00 - 06:45:00	0.367	151.097	13.202	92	974.728	0	0	0	11.9
REI Met Station	7/19/2023	06:45:00 - 07:00:00	0.337	127.341	13.435	92.1	974.732	0	0	0	11.9
REI Met Station	7/19/2023	07:00:00 - 07:15:00	0.452	114.027	13.737	92.2	974.617	0	0	0	11.9
REI Met Station	7/19/2023	07:15:00 - 07:30:00	0.317	103.958	13.908	92	974.425	0	0	0	11.9
REI Met Station	7/19/2023	07:30:00 - 07:45:00	0.389	129.678	14.188	92	974.46	0	0	0	11.9
REI Met Station	7/19/2023	07:45:00 - 08:00:00	0.472	167.829	14.84	91.267	974.63	0	0	0	11.9
REI Met Station	7/19/2023	08:00:00 - 08:15:00	0.521	109.86	16.155	86.567	974.662	0	0	0	11.9
REI Met Station	7/19/2023	08:15:00 - 08:30:00	0.484	109.545	17.347	79.733	974.752	0	0	0	12.017
REI Met Station	7/19/2023	08:30:00 - 08:45:00	0.621	112.143	18.113	75.433	974.855	0	0	0.1	12.115
REI Met Station	7/19/2023	08:45:00 - 09:00:00	0.339	139.601	18.803	74.05	974.948	0	0	0.167	12.267
REI Met Station	7/19/2023	09:00:00 - 09:15:00	0.661	177.282	18.523	73.25	975.09	0	0	0.083	12.258
REI Met Station	7/19/2023	09:15:00 - 09:30:00	0.272	148.512	17.847	77.533	974.873	0	0	0	12.113
REI Met Station	7/19/2023	09:30:00 - 09:45:00	0.168	54.203	17.897	80.75	975.04	0	0	0	12.153
REI Met Station	7/19/2023	09:45:00 - 10:00:00	0.444	72.047	18.523	80.583	974.848	0	0	0	12.25
REI Met Station	7/19/2023	10:00:00 - 10:15:00	0.612	88.665	19.36	77.05	974.465	0	0	0	12.457
REI Met Station	7/19/2023	10:15:00 - 10:30:00	0.613	90.557	20.158	74.583	973.958	0	0	0	12.592
REI Met Station	7/19/2023	10:30:00 - 10:45:00	0.542	65.069	20.583	72.667	973.56	0	0	0	12.592
REI Met Station	7/19/2023	10:45:00 - 11:00:00	0.552	94.697	20.638	72.667	973.253	0	0	0	12.6
REI Met Station	7/19/2023	11:00:00 - 11:15:00	0.446	93.449	20.938	70.133	973.417	0	0	0	12.502
REI Met Station	7/19/2023	11:15:00 - 11:30:00	0.398	104.875	21.425	69.367	973.922	0	0	0.283	12.582
REI Met Station	7/19/2023	11:30:00 - 11:45:00	0.313	220.27	21.758	68.683	974.11	0	0	0.183	12.603
REI Met Station	7/19/2023	11:45:00 - 12:00:00	0.648	203.355	22.652	65.317	974.255	0	0	0.083	12.878
REI Met Station	7/19/2023	12:00:00 - 12:15:00	0.659	134.108	23.178	63.083	974.085	0	0	0	12.865
REI Met Station	7/19/2023	12:15:00 - 12:30:00	0.867	133.814	23.825	60.517	974.007	0	0	0	12.95
REI Met Station	7/19/2023	12:30:00 - 12:45:00	1.382	216.753	24.408	54.305	973.986	0	0	0	12.919
REI Met Station	7/19/2023	12:45:00 - 13:00:00	1.724	217.328	24.77	52.617	973.925	0	0	0	12.88
REI Met Station	7/19/2023	13:00:00 - 13:15:00	2.041	219.486	25.057	50.933	973.965	0	0	0	12.887
REI Met Station	7/19/2023	13:15:00 - 13:30:00	2.03	219.094	24.902	48.883	973.98	0	0	0	12.923
REI Met Station	7/19/2023	13:30:00 - 13:45:00	2.512	213.836	24.877	47.783	973.98	0	0	0	12.957
REI Met Station	7/19/2023	13:45:00 - 14:00:00	2.099	218.758	24.948	47.833	973.965	0	0	0	12.708
REI Met Station	7/19/2023	14:00:00 - 14:15:00	2.143	218.448	25.15	47.55	973.82	0	0	0	12.48
REI Met Station	7/19/2023	14:15:00 - 14:30:00	1.864	209.716	25.162	48.067	973.535	0	0	0	12.453
REI Met Station	7/19/2023	14:30:00 - 14:45:00	1.944	214.198	25.385	47.333	973.315	0	0	0	12.405
REI Met Station	7/19/2023	14:45:00 - 15:00:00	1.8	214.09	24.692	48.633	973.407	0	0	0	12.423
REI Met Station	7/19/2023	15:00:00 - 15:15:00	2.131	219.918	24.202	51.233	973.483	0	0	0.1	12.315
REI Met Station	7/19/2023	15:15:00 - 15:30:00	0.457	225.394	21.538	68.933	973.422	0.004	0.217	0	12.407
REI Met Station	7/19/2023	15:30:00 - 15:45:00	0.463	63.762	21.138	75.917	973.282	0	0.25	0	12.645
REI Met Station	7/19/2023	15:45:00 - 16:00:00	0.518	43.979	21.89	76.267	973.238	0.004	0.342	0	12.707
REI Met Station	7/19/2023	16:00:00 - 16:15:00	0.35	20.543	22.3	74.15	973.243	0	0.5	0	12.578
REI Met Station	7/19/2023	16:15:00 - 16:30:00	0.377	352.284	21.975	72.183	973.313	0	0.5	0	12.363
REI Met Station	7/19/2023	16:30:00 - 16:45:00	0.592	322.448	21.222	74.217	973.683	0	0.5	0	12.228
REI Met Station	7/19/2023	16:45:00 - 17:00:00	0.377	12.48	20.298	80.2	973.497	0	0.5	0	12.472
REI Met Station	7/19/2023	17:00:00 - 17:15:00	0.478	68.865	20.635	82.167	973.125	0	0.5	0	12.728
REI Met Station	7/19/2023	17:15:00 - 17:30:00	0.587	38.128	22.41	76.4	972.647	0	0.5	0	13.042
REI Met Station	7/19/2023	17:30:00 - 17:45:00	0.636	12.437	23.177	69.133	972.323	0	0.5	0	12.565
REI Met Station	7/19/2023	17:45:00 - 18:00:00	0.604	19.274	23.928	66.133	972.135	0	0.5	0.15	12.4
REI Met Station	7/19/2023	18:00:00 - 18:15:00	0.451	106.015	24.522	62.9	972.122	0	0.5	0.017	12.4
REI Met Station	7/19/2023	18:15:00 - 18:30:00	0.685	112.621	24.93	61.05	971.947	0	0.5	0	12.4
REI Met Station	7/19/2023	18:30:00 - 18:45:00	0.501	127.674	25.483	59.55	971.737	0	0.5	0	12.4
REI Met Station	7/19/2023	18:45:00 - 19:00:00	0.525	65.233	25.89	58	971.523	0	0.5	0	12.4
REI Met Station	7/19/2023	19:00:00 - 19:15:00	0.381	72.07	25.99	59.733	971.3	0	0.5	0	12.388
REI Met Station	7/19/2023	19:15:00 - 19:30:00	0.41	76.431	26.188	59.833	971.208	0	0.5	0	12.297
REI Met Station	7/19/2023	19:30:00 - 19:45:00	0.322	185.747	25.327	58.417	971.245	0.004	0.55	0.117	12.283
REI Met Station	7/19/2023	19:45:00 - 20:00:00	0.795	197.302	25.165	56.15	971.33	0	0.75	0.017	12.203
REI Met Station	7/19/2023	20:00:00 - 20:15:00	0.535	186.398	24.537	57.283	971.508	0	0.75	0.067	12.195
REI Met Station	7/19/2023	20:15:00 - 20:30:00	0.547	119.316	23.837	61.083	971.56	0	0.75	0.017	12.155
REI Met Station	7/19/2023	20:30:00 - 20:45:00	0.661	130.568	23.385	61.483	971.41	0	0.75	0	12.12
REI Met Station	7/19/2023	20:45:00 - 21:00:00	0.479	117.352	23.165	63.183	970.738	0	0.75	0	12.1
REI Met Station	7/19/2023	21:00:00 - 21:15:00	0.248	105.213	22.528	67.433	970.562	0	0.75	0	12.1
REI Met Station	7/19/2023	21:15:00 - 21:30:00	0.311	117.565	22.102	67.233	970.648	0	0.75	0	12.1
REI Met Station	7/19/2023	21:30:00 - 21:45:00	0.301	172.796	22.21	65.783	970.903	0	0.75	0	12.1
REI Met Station	7/19/2023	21:45:00 - 22:00:00	0.946	205.845	22.618	64.967	971.255	0	0.75	0	12.098
REI Met Station	7/19/2023	22:00:00 - 22:15:00	1.033	188.49	23.03	64.65	971.35	0	0.75	0	12.1
REI Met Station	7/19/2023	22:15:00 - 22:30:00	0.551	188.399	21.467	73.667	971.67	0	0.75	0	12.087
REI Met Station	7/19/2023	22:30:00 - 22:45:00	0.279	14.182	20.678	78.983	971.987	0	0.75	0	12.073
REI Met Station	7/19/2023	22:45:00 - 23:00:00	0.315	358.005	19.853	83.467	972.705	0	0.75	0	12.038
REI Met Station	7/19/2023	23:00:00 - 23:15:00	0.727	253.87	19.16	84.117	973.753	0	0.75	0	12.003
REI Met Station	7/19/2023	23:15:00 - 23:30:00	0.473	268.4	18.21	86.217	973.96	0	0.75	0.05	12
REI Met Station	7/19/2023	23:30:00 - 23:45:00	0.305	2.895	17.547	88.017	973.442	0	0.75	0.083	12
REI Met Station	7/19/2023	23:45:00 - 00:00:00	0.614	80.451	17.32	89.333	972.928	0	0.75	0	12
REI Met Station	7/20/2023	00:00:00 - 00:15:00	0.525	88.593	17.138	90.067	972.127	0	0	0	12
REI Met Station	7/20/2023	00:15:00 - 00:30:00	0.159	109.218	17.083	90	971.513	0	0	0	12
REI Met Station	7/20/2023	00:30:00 - 00:45:00	0.295	95.067	16.935	90.217	971.427	0.004	0.129	0	12
REI Met Station	7/20/2023	00:45:00 - 01:00:00	0.197	171.349	16.952	91	971.657	0	0.25	0	12

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/20/2023	01:00:00 - 01:15:00	0.537	167.985	17.093	91	972.288	0	0.25	0	12
REI Met Station	7/20/2023	01:15:00 - 01:30:00	0.711	118.788	17.143	91.15	971.002	0	0.25	0	12
REI Met Station	7/20/2023	01:30:00 - 01:45:00	0.271	178.783	16.875	91	970.978	0	0.25	0	11.998
REI Met Station	7/20/2023	01:45:00 - 02:00:00	0.618	142.206	16.843	91.705	970.598	0	0.25	0	11.989
REI Met Station	7/20/2023	02:00:00 - 02:15:00	0.649	188.333	16.832	91.678	970.032	0.004	0.28	0	11.976
REI Met Station	7/20/2023	02:15:00 - 02:30:00	0.059	226.77	16.693	90.344	969.71	0.012	0.811	0	11.957
REI Met Station	7/20/2023	02:30:00 - 02:45:00	0.127	71.267	16.547	89.61	969.736	0.008	1.445	0	11.905
REI Met Station	7/20/2023	02:45:00 - 03:00:00	0.359	109.504	16.103	89.967	969.715	0.004	1.9	0	11.9
REI Met Station	7/20/2023	03:00:00 - 03:15:00	0.279	52.201	15.895	90.483	969.878	0.004	2.208	0	11.9
REI Met Station	7/20/2023	03:15:00 - 03:30:00	0.576	118.356	15.747	91	969.865	0.008	2.521	0	11.9
REI Met Station	7/20/2023	03:30:00 - 03:45:00	0.601	107.039	15.783	91.317	969.592	0.004	2.888	0	11.9
REI Met Station	7/20/2023	03:45:00 - 04:00:00	0.586	122.551	15.832	92	969.465	0.008	3.275	0	11.9
REI Met Station	7/20/2023	04:00:00 - 04:15:00	0.564	130.916	15.757	92	969.19	0.004	3.575	0	11.9
REI Met Station	7/20/2023	04:15:00 - 04:30:00	0.574	147.501	15.678	92	969.062	0	3.75	0	11.9
REI Met Station	7/20/2023	04:30:00 - 04:45:00	0.363	184.657	15.693	92	968.868	0	3.75	0	11.9
REI Met Station	7/20/2023	04:45:00 - 05:00:00	0.22	181.044	15.895	92	968.995	0.004	3.967	0	11.895
REI Met Station	7/20/2023	05:00:00 - 05:15:00	0.118	134.364	15.91	91.95	969.045	0	4	0.067	11.89
REI Met Station	7/20/2023	05:15:00 - 05:30:00	0.232	59.62	16.003	91.017	969.007	0	4	0.1	11.875
REI Met Station	7/20/2023	05:30:00 - 05:45:00	0.403	152.1	15.995	90.95	968.795	0	4	0	11.877
REI Met Station	7/20/2023	05:45:00 - 06:00:00	0.293	35.231	15.86	90.483	968.813	0	4	0	11.83
REI Met Station	7/20/2023	06:00:00 - 06:15:00	0.229	131.676	15.545	91	968.912	0.004	4.079	0	11.877
REI Met Station	7/20/2023	06:15:00 - 06:30:00	0.465	169.675	15.492	91	968.882	0	4.25	0	11.863
REI Met Station	7/20/2023	06:30:00 - 06:45:00	0.565	175.121	15.393	91	968.75	0	4.25	0	11.825
REI Met Station	7/20/2023	06:45:00 - 07:00:00	0.267	146.051	15.303	91	968.8	0	4.25	0	11.813
REI Met Station	7/20/2023	07:00:00 - 07:15:00	0.405	78.825	15.225	91.017	968.898	0	4.25	0	11.865
REI Met Station	7/20/2023	07:15:00 - 07:30:00	0.334	85.805	15.302	92	968.927	0	4.25	0	11.898
REI Met Station	7/20/2023	07:30:00 - 07:45:00	0.389	53.887	15.452	92	969.022	0	4.25	0	11.892
REI Met Station	7/20/2023	07:45:00 - 08:00:00	0.315	46.79	15.658	91.067	969.108	0	4.25	0	11.898
REI Met Station	7/20/2023	08:00:00 - 08:15:00	0.114	63.909	15.875	90.983	969.105	0	4.25	0	11.89
REI Met Station	7/20/2023	08:15:00 - 08:30:00	0.068	351.539	16.155	90.05	969.092	0	4.25	0.083	11.898
REI Met Station	7/20/2023	08:30:00 - 08:45:00	0.187	189.846	16.512	89.533	969.043	0	4.25	0	11.9
REI Met Station	7/20/2023	08:45:00 - 09:00:00	0.232	37.972	16.943	88.617	969.113	0	4.25	0.1	11.973
REI Met Station	7/20/2023	09:00:00 - 09:15:00	0.34	290.937	17.62	86.817	969.123	0	4.25	0	12.083
REI Met Station	7/20/2023	09:15:00 - 09:30:00	0.443	348.457	17.908	85.067	969.142	0	4.25	0	12.14
REI Met Station	7/20/2023	09:30:00 - 09:45:00	0.517	320.723	18.455	83.333	969.24	0	4.25	0	12.34
REI Met Station	7/20/2023	09:45:00 - 10:00:00	0.713	342.826	19.01	79.9	969.297	0	4.25	0	12.515
REI Met Station	7/20/2023	10:00:00 - 10:15:00	0.31	317.725	18.932	79.433	969.297	0.004	4.383	0	12.403
REI Met Station	7/20/2023	10:15:00 - 10:30:00	0.543	316.865	18.827	77.7	969.302	0	4.5	0	12.408
REI Met Station	7/20/2023	10:30:00 - 10:45:00	0.66	277.752	19.208	76.517	969.303	0	4.5	0	12.495
REI Met Station	7/20/2023	10:45:00 - 11:00:00	0.555	286.618	19.183	75.683	969.437	0	4.5	0	12.5
REI Met Station	7/20/2023	11:00:00 - 11:15:00	0.53	267.432	19.492	75.667	969.53	0	4.5	0	12.5
REI Met Station	7/20/2023	11:15:00 - 11:30:00	0.309	289.791	19.613	74.6	969.608	0	4.5	0	12.548
REI Met Station	7/20/2023	11:30:00 - 11:45:00	0.483	267.979	19.987	72.5	969.712	0	4.5	0.067	12.65
REI Met Station	7/20/2023	11:45:00 - 12:00:00	0.593	348.135	20.778	69.083	969.828	0	4.5	0.033	13.028
REI Met Station	7/20/2023	12:00:00 - 12:15:00	0.611	324.827	21.34	66.25	969.98	0	4.5	0	12.93
REI Met Station	7/20/2023	12:15:00 - 12:30:00	0.48	292.172	20.493	69.1	970.173	0	4.5	0	12.698
REI Met Station	7/20/2023	12:30:00 - 12:45:00	0.413	325.74	20.99	68.2	970.237	0	4.5	0	12.823
REI Met Station	7/20/2023	12:45:00 - 13:00:00	0.725	287.841	20.568	69.65	970.4	0	4.5	0	12.982
REI Met Station	7/20/2023	13:00:00 - 13:15:00	0.536	338.152	20.9	69.15	970.387	0	4.5	0	13.102
REI Met Station	7/20/2023	13:15:00 - 13:30:00	0.863	334.21	20.89	68.95	970.432	0	4.5	0	12.78
REI Met Station	7/20/2023	13:30:00 - 13:45:00	1.06	3.261	20.375	70.967	970.563	0	4.5	0	12.895
REI Met Station	7/20/2023	13:45:00 - 14:00:00	1.422	1.337	21.397	68.067	970.745	0.004	4.554	0	12.585
REI Met Station	7/20/2023	14:00:00 - 14:15:00	1.001	18.65	21.035	67.567	970.863	0	4.75	0	12.517
REI Met Station	7/20/2023	14:15:00 - 14:30:00	0.836	4.017	21.005	67.467	971.07	0	4.75	0	12.582
REI Met Station	7/20/2023	14:30:00 - 14:45:00	1.686	22.993	20.655	66.667	971.202	0	4.75	0	12.6
REI Met Station	7/20/2023	14:45:00 - 15:00:00	0.857	25.265	20.512	67.1	971.277	0	4.75	0	12.523
REI Met Station	7/20/2023	15:00:00 - 15:15:00	0.703	340.541	20.302	67.6	971.393	0	4.75	0.017	12.728
REI Met Station	7/20/2023	15:15:00 - 15:30:00	0.671	355.186	21.664	64.356	971.264	0	4.75	0	13.098
REI Met Station	7/20/2023	15:30:00 - 15:45:00	1.245	0.917	21.938	60.883	971.298	0	4.75	0.067	12.873
REI Met Station	7/20/2023	15:45:00 - 16:00:00	1.11	35.785	22.347	60.933	971.278	0	4.75	0	13.017
REI Met Station	7/20/2023	16:00:00 - 16:15:00	1.457	16.952	22.748	58.233	971.182	0	4.75	0	12.955
REI Met Station	7/20/2023	16:15:00 - 16:30:00	1.321	6.791	22.657	58.117	971.328	0	4.75	0	13
REI Met Station	7/20/2023	16:30:00 - 16:45:00	1.111	358.753	22.522	59.25	971.438	0	4.75	0	13.073
REI Met Station	7/20/2023	16:45:00 - 17:00:00	2.3	18.339	21.79	60.183	971.582	0	4.75	0	13.095
REI Met Station	7/20/2023	17:00:00 - 17:15:00	1.659	28.584	21.352	63.033	971.77	0	4.75	0	12.962
REI Met Station	7/20/2023	17:15:00 - 17:30:00	1.273	354.551	21.352	63.167	971.932	0	4.75	0	12.6
REI Met Station	7/20/2023	17:30:00 - 17:45:00	1.465	10.181	21.27	62.017	972.037	0	4.75	0.1	12.6
REI Met Station	7/20/2023	17:45:00 - 18:00:00	1.256	4.553	21.06	63.967	972.257	0	4.75	0.083	12.6
REI Met Station	7/20/2023	18:00:00 - 18:15:00	1.439	0.344	20.758	64.017	972.363	0	4.75	0.083	12.565
REI Met Station	7/20/2023	18:15:00 - 18:30:00	1.48	11.942	20.318	65.667	972.452	0	4.75	0	12.585
REI Met Station	7/20/2023	18:30:00 - 18:45:00	1.312	20.713	20.322	65.817	972.608	0	4.75	0	12.715
REI Met Station	7/20/2023	18:45:00 - 19:00:00	1.312	22.902	20.027	66.833	972.668	0	4.75	0	12.657
REI Met Station	7/20/2023	19:00:00 - 19:15:00	1.339	22.563	19.673	68.017	972.827	0	4.75	0	12.453
REI Met Station	7/20/2023	19:15:00 - 19:30:00	0.823	24.667	19.442	68.967	972.997	0	4.75	0	12.4
REI Met Station	7/20/2023	19:30:00 - 19:45:00	1.561	32.38	19.288	69.183	973.107	0	4.75	0	12.398
REI Met Station	7/20/2023	19:45:00 - 20:00:00	0.992	22.376	19.312	68.9	973.222	0	4.75	0	12.302
REI Met Station	7/20/2023	20:00:00 - 20:15:00	0.959	3.294	19.707	67.283	973.24	0	4.75	0	12.273
REI Met Station	7/20/2023	20:15:00 - 20:30:00	0.705	39.155	19.672	67.083	973.235	0	4.75	0	12.205
REI Met Station	7/20/2023	20:30:00 - 20:45:00	0.41	353.316	19.228	67.217	973.303	0	4.75	0	12.197
REI Met Station	7/20/2023	20:45:00 - 21:00:00	0.657	351.494	18.807	68.783	973.403	0	4.75	0.15	12.142
REI Met Station	7/20/2023	21:00:00 - 21:15:00	0.473	351.023	18.395	69.5	973.578	0	4.75	0.083	12.1
REI Met Station	7/20/2023	21:15:00 - 21:30:00	0.181	316.596	17.83	71.467	973.63	0	4.75	0	12.1
REI Met Station	7/20/2023	21:30:00 - 21:45:00	0.133	243.201	17.408	72.95	973.72	0	4.75	0	12.1
REI Met Station	7/20/2023	21:45:00 - 22:00:00	0.178	154.156	16.882	74.9	973.942	0	4.75	0	12.1
REI Met Station	7/20/2023	22:00:00 - 22:15:00	0.177	158.327	16.407	76.633	974.05	0	4.75	0	12.095
REI Met Station	7/20/2023	22:15:00 - 22:30:00	0.228	185.769	15.928	78.767	974.19	0	4.75	0	12.097
REI Met Station	7/20/2023	22:30:00 - 22:45:00	0.189	188.22	15.623	80.083	974.378	0	4.75	0	12.083
REI Met Station	7/20/2023	22:45:00 - 23:00:00	0.171	183.646	15.43	81	974.458	0	4.75	0	12.047
REI Met Station	7/20/2023	23:00:00 - 23:15:00	0.218	175.803	14.977	82.317	974.51	0	4.75	0	12
REI Met Station	7/20/2023	23:15:00 - 23:30:00	0.217	17							

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/20/2023	23:30:00 - 23:45:00	0.153	151.675	14.445	85.083	974.653	0	4.75	0	12
REI Met Station	7/20/2023	23:45:00 - 00:00:00	0.284	166.284	14.135	86.55	974.72	0	4.75	0	12
REI Met Station	7/21/2023	00:00:00 - 00:15:00	0.785	174.463	14.44	86.817	974.938	0	0	0.117	12
REI Met Station	7/21/2023	00:15:00 - 00:30:00	0.63	149.274	14.017	87.2	974.965	0	0	0.017	12
REI Met Station	7/21/2023	00:30:00 - 00:45:00	0.069	95.368	13.673	87.833	974.902	0	0	0.067	12
REI Met Station	7/21/2023	00:45:00 - 01:00:00	0.182	187.452	13.292	88.333	974.938	0	0	0	12
REI Met Station	7/21/2023	01:00:00 - 01:15:00	0.212	193.367	13.2	89	974.872	0	0	0	12
REI Met Station	7/21/2023	01:15:00 - 01:30:00	0.098	336.869	13.178	89.883	974.668	0	0	0	12
REI Met Station	7/21/2023	01:30:00 - 01:45:00	0.119	197.094	13.108	90	974.392	0	0	0	12
REI Met Station	7/21/2023	01:45:00 - 02:00:00	0.08	229.99	13.135	90	974.493	0	0	0	12
REI Met Station	7/21/2023	02:00:00 - 02:15:00	0.151	217.435	12.948	90.233	974.598	0	0	0	12
REI Met Station	7/21/2023	02:15:00 - 02:30:00	0.238	222.636	13.03	90.467	974.66	0	0	0	11.997
REI Met Station	7/21/2023	02:30:00 - 02:45:00	0.062	91.078	12.79	90.017	974.6	0	0	0	11.993
REI Met Station	7/21/2023	02:45:00 - 03:00:00	0.348	195.282	12.642	90.75	974.602	0	0	0	11.95
REI Met Station	7/21/2023	03:00:00 - 03:15:00	0.292	131.791	12.455	90.683	974.608	0	0	0.083	11.968
REI Met Station	7/21/2023	03:15:00 - 03:30:00	0.295	6.697	12.377	91	974.575	0	0	0	11.947
REI Met Station	7/21/2023	03:30:00 - 03:45:00	0.25	227.782	12.277	91	974.508	0	0	0.083	11.903
REI Met Station	7/21/2023	03:45:00 - 04:00:00	0.187	150.528	12.295	91	974.557	0	0	0	11.9
REI Met Station	7/21/2023	04:00:00 - 04:15:00	0.517	14.76	12.183	91	974.545	0	0	0	11.9
REI Met Station	7/21/2023	04:15:00 - 04:30:00	0.312	30.189	12.037	91	974.577	0	0	0	11.9
REI Met Station	7/21/2023	04:30:00 - 04:45:00	0.317	28.146	11.935	91.517	974.62	0	0	0	11.9
REI Met Station	7/21/2023	04:45:00 - 05:00:00	0.446	17.057	12.157	91.617	974.668	0	0	0	11.9
REI Met Station	7/21/2023	05:00:00 - 05:15:00	0.458	0.317	12.215	91.683	974.605	0	0	0	11.9
REI Met Station	7/21/2023	05:15:00 - 05:30:00	0.192	331.189	12.222	91.7	974.508	0	0	0	11.9
REI Met Station	7/21/2023	05:30:00 - 05:45:00	0.195	173.473	11.96	91.033	974.423	0	0	0	11.898
REI Met Station	7/21/2023	05:45:00 - 06:00:00	0.171	170.937	11.552	91.083	974.38	0	0	0	11.9
REI Met Station	7/21/2023	06:00:00 - 06:15:00	0.239	234.737	11.628	92	974.435	0	0	0.083	11.893
REI Met Station	7/21/2023	06:15:00 - 06:30:00	0.224	152.489	11.46	92	974.578	0	0	0.033	11.882
REI Met Station	7/21/2023	06:30:00 - 06:45:00	0.114	100.848	11.307	92	974.597	0	0	0	11.85
REI Met Station	7/21/2023	06:45:00 - 07:00:00	0.398	102.075	11.323	92	974.723	0	0	0	11.85
REI Met Station	7/21/2023	07:00:00 - 07:15:00	0.388	30.879	11.658	92.3	974.63	0	0	0	11.872
REI Met Station	7/21/2023	07:15:00 - 07:30:00	0.235	53.674	11.845	92	974.707	0	0	0	11.89
REI Met Station	7/21/2023	07:30:00 - 07:45:00	0.216	82.798	12.22	92.25	974.717	0	0	0	11.893
REI Met Station	7/21/2023	07:45:00 - 08:00:00	0.593	186.279	12.852	92	974.82	0	0	0	11.883
REI Met Station	7/21/2023	08:00:00 - 08:15:00	0.8	179.253	13.74	89.583	974.877	0	0	0	11.9
REI Met Station	7/21/2023	08:15:00 - 08:30:00	0.305	359.227	14.727	84.817	974.963	0	0	0	11.93
REI Met Station	7/21/2023	08:30:00 - 08:45:00	0.355	125.662	16.095	80.383	974.952	0	0	0	12.028
REI Met Station	7/21/2023	08:45:00 - 09:00:00	0.106	37.967	17.592	75.783	975.007	0	0	0	12.158
REI Met Station	7/21/2023	09:00:00 - 09:15:00	0.223	36.143	18.522	72.8	974.985	0	0	0	12.35
REI Met Station	7/21/2023	09:15:00 - 09:30:00	0.517	189.07	19.077	70.5	975.03	0	0	0.1	12.553
REI Met Station	7/21/2023	09:30:00 - 09:45:00	0.319	324.238	19.563	69.133	975.055	0	0	0	12.705
REI Met Station	7/21/2023	09:45:00 - 10:00:00	0.32	56.625	21.118	65.917	975.057	0	0	0.083	12.848
REI Met Station	7/21/2023	10:00:00 - 10:15:00	0.241	165.175	21.872	64	974.982	0	0	0	12.993
REI Met Station	7/21/2023	10:15:00 - 10:30:00	0.628	51.659	22.395	62.767	974.9	0	0	0	13.032
REI Met Station	7/21/2023	10:30:00 - 10:45:00	0.27	192.638	23.252	60.75	974.857	0	0	0	13
REI Met Station	7/21/2023	10:45:00 - 11:00:00	0.587	88.629	23.798	60.633	974.807	0	0	0	12.945
REI Met Station	7/21/2023	11:00:00 - 11:15:00	0.428	80.75	24.323	58.483	974.858	0	0	0	12.9
REI Met Station	7/21/2023	11:15:00 - 11:30:00	0.37	326.877	24.67	55.467	974.805	0	0	0	12.898
REI Met Station	7/21/2023	11:30:00 - 11:45:00	0.477	23.114	24.905	54.1	974.715	0	0	0	12.9
REI Met Station	7/21/2023	11:45:00 - 12:00:00	0.582	25.299	24.968	52.717	974.655	0	0	0	12.9
REI Met Station	7/21/2023	12:00:00 - 12:15:00	0.568	308.85	25.3	51.117	974.598	0	0	0	12.898
REI Met Station	7/21/2023	12:15:00 - 12:30:00	0.623	3.343	25.97	49.717	974.495	0	0	0	12.438
REI Met Station	7/21/2023	12:30:00 - 12:45:00	0.627	351.942	26.105	47.95	974.408	0	0	0	12.298
REI Met Station	7/21/2023	12:45:00 - 13:00:00	0.521	15.128	26.327	47.4	974.31	0	0	0	12.3
REI Met Station	7/21/2023	13:00:00 - 13:15:00	0.494	214.965	26.003	46.6	974.292	0	0	0.083	12.323
REI Met Station	7/21/2023	13:15:00 - 13:30:00	0.209	127	26.908	44.233	974.202	0	0	0	12.298
REI Met Station	7/21/2023	13:30:00 - 13:45:00	0.173	300.984	27.177	43.383	974.127	0	0	0	12.23
REI Met Station	7/21/2023	13:45:00 - 14:00:00	0.593	31.502	26.918	42.833	974.033	0	0	0	12.292
REI Met Station	7/21/2023	14:00:00 - 14:15:00	0.802	347.401	26.285	43.833	973.932	0	0	0	12.352
REI Met Station	7/21/2023	14:15:00 - 14:30:00	0.16	313.093	27.132	42.85	973.778	0	0	0	12.343
REI Met Station	7/21/2023	14:30:00 - 14:45:00	0.63	356.228	26.375	43.767	973.672	0	0	0	12.353
REI Met Station	7/21/2023	14:45:00 - 15:00:00	0.261	304.097	26.663	43.533	973.573	0	0	0	12.39
REI Met Station	7/21/2023	15:00:00 - 15:15:00	0.449	46.353	27.092	40.433	973.428	0	0	0	12.3
REI Met Station	7/21/2023	15:15:00 - 15:30:00	0.635	0.519	27.292	41.75	973.292	0	0	0	12.315
REI Met Station	7/21/2023	15:30:00 - 15:45:00	0.37	324.682	27.18	40.883	973.218	0	0	0	12.302
REI Met Station	7/21/2023	15:45:00 - 16:00:00	0.195	356.252	27.752	37.817	973.035	0	0	0	12.3
REI Met Station	7/21/2023	16:00:00 - 16:15:00	0.515	7.308	27.785	39.183	972.952	0	0	0	12.295
REI Met Station	7/21/2023	16:15:00 - 16:30:00	0.689	199.25	28.265	37.05	972.847	0	0	0	12.3
REI Met Station	7/21/2023	16:30:00 - 16:45:00	0.238	283.671	28.787	37.033	972.757	0	0	0	12.258
REI Met Station	7/21/2023	16:45:00 - 17:00:00	0.159	249.203	28.387	36.983	972.652	0	0	0.083	12.295
REI Met Station	7/21/2023	17:00:00 - 17:15:00	0.692	352.035	27.962	37.8	972.633	0	0	0	12.322
REI Met Station	7/21/2023	17:15:00 - 17:30:00	0.899	204.97	28.242	37.433	972.58	0	0	0.117	12.3
REI Met Station	7/21/2023	17:30:00 - 17:45:00	1.502	215.12	28.078	37.9	972.515	0	0	0.083	12.307
REI Met Station	7/21/2023	17:45:00 - 18:00:00	1.47	208.498	27.695	39	972.439	0	0	0	12.393
REI Met Station	7/21/2023	18:00:00 - 18:15:00	1.187	200.115	28.067	38.517	972.247	0	0	0	12.397
REI Met Station	7/21/2023	18:15:00 - 18:30:00	1.197	203.914	27.933	37.967	972.023	0	0	0	12.397
REI Met Station	7/21/2023	18:30:00 - 18:45:00	0.561	217.597	28.35	37.333	971.815	0	0	0	12.36
REI Met Station	7/21/2023	18:45:00 - 19:00:00	0.51	238.221	28.097	37.117	971.87	0	0	0	12.373
REI Met Station	7/21/2023	19:00:00 - 19:15:00	0.678	229.47	27.671	38.271	971.819	0	0	0	12.378
REI Met Station	7/21/2023	19:15:00 - 19:30:00	1.139	202.228	27.287	39.083	971.818	0	0	0	12.3
REI Met Station	7/21/2023	19:30:00 - 19:45:00	0.516	219.69	26.847	42.05	971.78	0	0	0	12.277
REI Met Station	7/21/2023	19:45:00 - 20:00:00	0.895	19.951	25.763	44.883	971.788	0	0	0	12.203
REI Met Station	7/21/2023	20:00:00 - 20:15:00	0.218	34.584	24.82	49.383	971.83	0	0	0	12.195
REI Met Station	7/21/2023	20:15:00 - 20:30:00	0.841	29.856	24.167	52.183	972.03	0	0	0	12.153
REI Met Station	7/21/2023	20:30:00 - 20:45:00	1.219	37.272	23.007	55.317	972.323	0	0	0.067	12.1
REI Met Station	7/21/2023	20:45:00 - 21:00:00	1.192	41.799	21.725	58.183	972.357	0	0	0.067	12.1
REI Met Station	7/21/2023	21:00:00 - 21:15:00	0.687	2.368	21.012	60.15	972.213	0	0	0.117	12.1
REI Met Station	7/21/2023	21:15:00 - 21:30:00	0.339	56.002	20.712	62.45	972.167	0	0	0	12.1
REI Met Station	7/21/2023	21:30:00 - 21:45:00	0.213	12.134	20.305	61.183	972.167	0	0	0	12.1
REI Met Station	7/21/2023	21:45:00 - 22:00:00	0.205	61.553	19.71	62.1	972.147	0	0	0	12.098

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/21/2023	22:00:00 - 22:15:00	0.264	129.848	19.112	65.383	972.15	0	0	0	12.095
REI Met Station	7/21/2023	22:15:00 - 22:30:00	0.277	100.468	18.862	67.9	972.212	0	0	0	12.068
REI Met Station	7/21/2023	22:30:00 - 22:45:00	0.286	164.809	18.545	68.833	972.395	0	0	0	12.007
REI Met Station	7/21/2023	22:45:00 - 23:00:00	0.223	98.798	18.595	67.283	972.488	0	0	0	12
REI Met Station	7/21/2023	23:00:00 - 23:15:00	0.265	82.834	18.228	71.883	972.525	0	0	0	12
REI Met Station	7/21/2023	23:15:00 - 23:30:00	0.387	103.806	17.987	73	972.517	0	0	0	12
REI Met Station	7/21/2023	23:30:00 - 23:45:00	0.325	94.601	17.807	73.883	972.437	0	0	0.083	12
REI Met Station	7/21/2023	23:45:00 - 00:00:00	0.136	39.242	17.51	74.517	972.305	0	0	0	12
REI Met Station	7/22/2023	00:00:00 - 00:15:00	0.125	100.956	17.273	76.867	972.247	0	0	0.067	11.997
REI Met Station	7/22/2023	00:15:00 - 00:30:00	0.437	105.246	17.007	78.883	972.127	0	0	0	11.998
REI Met Station	7/22/2023	00:30:00 - 00:45:00	0.339	102.634	16.667	80.533	972.142	0	0	0	12
REI Met Station	7/22/2023	00:45:00 - 01:00:00	0.523	108.909	16.642	81.933	972.108	0	0	0	11.995
REI Met Station	7/22/2023	01:00:00 - 01:15:00	0.481	145.473	16.423	82.45	972.138	0	0	0	11.985
REI Met Station	7/22/2023	01:15:00 - 01:30:00	0.563	135.032	16.47	81.867	972.048	0	0	0	11.952
REI Met Station	7/22/2023	01:30:00 - 01:45:00	0.133	61.151	16.148	83.667	971.92	0	0	0	11.9
REI Met Station	7/22/2023	01:45:00 - 02:00:00	0.469	105.012	16.017	85.567	971.898	0	0	0	11.9
REI Met Station	7/22/2023	02:00:00 - 02:15:00	0.354	103.153	15.745	86.167	971.792	0	0	0	11.9
REI Met Station	7/22/2023	02:15:00 - 02:30:00	0.338	71.235	15.605	86.067	971.717	0	0	0.017	11.898
REI Met Station	7/22/2023	02:30:00 - 02:45:00	0.305	112.066	15.222	86.4	971.7	0	0	0.067	11.9
REI Met Station	7/22/2023	02:45:00 - 03:00:00	0.356	94.392	15.157	88.017	971.593	0	0	0.083	11.9
REI Met Station	7/22/2023	03:00:00 - 03:15:00	0.278	70.16	15.39	88.867	971.457	0	0	0	11.892
REI Met Station	7/22/2023	03:15:00 - 03:30:00	0.287	154.09	14.967	88.7	971.345	0	0	0	11.898
REI Met Station	7/22/2023	03:30:00 - 03:45:00	0.147	105.315	14.715	89.167	971.308	0	0	0	11.9
REI Met Station	7/22/2023	03:45:00 - 04:00:00	0.448	144.18	14.665	90	971.215	0	0	0	11.897
REI Met Station	7/22/2023	04:00:00 - 04:15:00	0.343	94.132	14.525	90.5	971.258	0	0	0	11.882
REI Met Station	7/22/2023	04:15:00 - 04:30:00	0.277	108.232	14.423	90.683	971.198	0	0	0	11.873
REI Met Station	7/22/2023	04:30:00 - 04:45:00	0.473	109.334	14.47	91.183	971.21	0	0	0	11.863
REI Met Station	7/22/2023	04:45:00 - 05:00:00	0.306	121.332	14.365	91	971.075	0	0	0	11.832
REI Met Station	7/22/2023	05:00:00 - 05:15:00	0.407	99.766	14.135	91.35	971.093	0	0	0	11.8
REI Met Station	7/22/2023	05:15:00 - 05:30:00	0.469	93.061	14.427	91.933	971.1	0	0	0.1	11.8
REI Met Station	7/22/2023	05:30:00 - 05:45:00	0.302	135.294	14.35	91.233	971.102	0	0	0	11.8
REI Met Station	7/22/2023	05:45:00 - 06:00:00	0.27	135.17	14.352	91.633	971.1	0	0	0.033	11.8
REI Met Station	7/22/2023	06:00:00 - 06:15:00	0.274	116.193	14.368	92	971.065	0	0	0	11.8
REI Met Station	7/22/2023	06:15:00 - 06:30:00	0.099	99.299	14.475	91.817	971.1	0	0	0	11.8
REI Met Station	7/22/2023	06:30:00 - 06:45:00	0.228	152.309	14.48	91	971.03	0	0	0	11.8
REI Met Station	7/22/2023	06:45:00 - 07:00:00	0.322	146.009	14.52	91	971.177	0	0	0	11.8
REI Met Station	7/22/2023	07:00:00 - 07:15:00	0.118	97.007	14.555	90.533	971.278	0	0	0	11.8
REI Met Station	7/22/2023	07:15:00 - 07:30:00	0.256	133.634	14.538	90	971.338	0	0	0	11.8
REI Met Station	7/22/2023	07:30:00 - 07:45:00	0.373	134.517	14.778	89.85	971.332	0	0	0	11.818
REI Met Station	7/22/2023	07:45:00 - 08:00:00	0.519	134.769	15.33	88.083	971.288	0	0	0	11.897
REI Met Station	7/22/2023	08:00:00 - 08:15:00	0.24	91.698	16.712	84.3	971.2	0	0	0	11.898
REI Met Station	7/22/2023	08:15:00 - 08:30:00	0.373	177.241	17.785	77.95	971.155	0	0	0.217	11.963
REI Met Station	7/22/2023	08:30:00 - 08:45:00	0.378	325.63	18.802	73.333	971.092	0	0	0	12.077
REI Met Station	7/22/2023	08:45:00 - 09:00:00	0.351	342.664	19.127	72.15	971.088	0	0	0	12.17
REI Met Station	7/22/2023	09:00:00 - 09:15:00	0.49	328.637	19.95	70.167	971.008	0	0	0	12.38
REI Met Station	7/22/2023	09:15:00 - 09:30:00	0.371	195.816	20.252	67.717	971	0	0	0	12.507
REI Met Station	7/22/2023	09:30:00 - 09:45:00	0.56	203.73	20.807	66.75	970.983	0	0	0	12.598
REI Met Station	7/22/2023	09:45:00 - 10:00:00	0.4	229.223	21.463	65.417	970.957	0	0	0	12.703
REI Met Station	7/22/2023	10:00:00 - 10:15:00	0.321	303.102	22.112	62.667	970.9	0	0	0	12.803
REI Met Station	7/22/2023	10:15:00 - 10:30:00	0.531	231.18	22.573	61.533	970.81	0	0	0	12.903
REI Met Station	7/22/2023	10:30:00 - 10:45:00	0.741	198.654	22.867	59.767	970.702	0	0	0	12.953
REI Met Station	7/22/2023	10:45:00 - 11:00:00	0.821	186.728	23.428	59.367	970.583	0	0	0	12.892
REI Met Station	7/22/2023	11:00:00 - 11:15:00	0.671	188.399	23.755	57.85	970.452	0	0	0	12.845
REI Met Station	7/22/2023	11:15:00 - 11:30:00	1.006	195.313	24.247	55.233	970.373	0	0	0	12.822
REI Met Station	7/22/2023	11:30:00 - 11:45:00	0.779	199.022	24.945	54.267	970.288	0	0	0	12.87
REI Met Station	7/22/2023	11:45:00 - 12:00:00	1.186	198.126	25.288	53.133	970.192	0	0	0.067	12.857
REI Met Station	7/22/2023	12:00:00 - 12:15:00	1.195	207.209	25.363	52.717	970.105	0	0	0.283	12.875
REI Met Station	7/22/2023	12:15:00 - 12:30:00	0.987	211.174	25.902	52.133	970.068	0	0	0	12.725
REI Met Station	7/22/2023	12:30:00 - 12:45:00	1.03	213.965	26.038	50.383	970.017	0	0	0	12.37
REI Met Station	7/22/2023	12:45:00 - 13:00:00	1.086	210.931	26.807	47.9	969.878	0	0	0.1	12.3
REI Met Station	7/22/2023	13:00:00 - 13:15:00	1.354	209.626	26.567	45.567	969.722	0	0	0	12.3
REI Met Station	7/22/2023	13:15:00 - 13:30:00	0.865	224.288	27.048	46.167	969.57	0	0	0	12.3
REI Met Station	7/22/2023	13:30:00 - 13:45:00	1.721	214.372	26.468	46.117	969.407	0	0	0	12.3
REI Met Station	7/22/2023	13:45:00 - 14:00:00	1.754	211.709	26.837	44.95	969.217	0	0	0	12.337
REI Met Station	7/22/2023	14:00:00 - 14:15:00	1.05	210.322	26.712	46.017	969.057	0	0	0	12.352
REI Met Station	7/22/2023	14:15:00 - 14:30:00	1.265	207.285	27.04	44.183	968.797	0	0	0	12.38
REI Met Station	7/22/2023	14:30:00 - 14:45:00	1.433	207.684	27.425	43.65	968.58	0	0	0	12.302
REI Met Station	7/22/2023	14:45:00 - 15:00:00	0.784	247.4	28.02	42.583	968.295	0	0	0	12.3
REI Met Station	7/22/2023	15:00:00 - 15:15:00	0.795	231.644	27.757	43.033	968.115	0	0	0.033	12.3
REI Met Station	7/22/2023	15:15:00 - 15:30:00	1.083	219.693	28.212	41.783	967.923	0	0	0	12.3
REI Met Station	7/22/2023	15:30:00 - 15:45:00	1.091	233.839	28.403	39.217	967.697	0	0	0.017	12.288
REI Met Station	7/22/2023	15:45:00 - 16:00:00	1.724	212.746	28.433	38.267	967.49	0	0	0	12.29
REI Met Station	7/22/2023	16:00:00 - 16:15:00	1.767	208.834	28.305	38.033	967.505	0	0	0	12.3
REI Met Station	7/22/2023	16:15:00 - 16:30:00	2.162	217.698	28.127	37.817	967.592	0	0	0	12.3
REI Met Station	7/22/2023	16:30:00 - 16:45:00	1.606	219.994	28.147	37.5	967.808	0	0	0	12.32
REI Met Station	7/22/2023	16:45:00 - 17:00:00	0.854	229.709	27.842	37.583	967.798	0	0	0	12.368
REI Met Station	7/22/2023	17:00:00 - 17:15:00	0.862	231.755	27.3	38.533	967.727	0	0	0	12.4
REI Met Station	7/22/2023	17:15:00 - 17:30:00	0.885	214.654	26.905	40.483	967.545	0	0	0	12.4
REI Met Station	7/22/2023	17:30:00 - 17:45:00	0.813	242.838	26.602	43.217	967.567	0	0	0	12.453
REI Met Station	7/22/2023	17:45:00 - 18:00:00	1.202	246.257	25.582	48.217	967.803	0	0	0	12.4
REI Met Station	7/22/2023	18:00:00 - 18:15:00	0.941	254.749	23.99	53.917	967.99	0	0	0	12.397
REI Met Station	7/22/2023	18:15:00 - 18:30:00	1.318	250.74	22.87	53.2	968.202	0	0	0	12.325
REI Met Station	7/22/2023	18:30:00 - 18:45:00	1.051	269.944	22.252	53.083	968.21	0	0	0.083	12.3
REI Met Station	7/22/2023	18:45:00 - 19:00:00	1.128	251.655	21.675	54.15	968.067	0	0	0.067	12.295
REI Met Station	7/22/2023	19:00:00 - 19:15:00	1.041	254.253	21.338	54.983	967.962	0	0	0.083	12.23
REI Met Station	7/22/2023	19:15:00 - 19:30:00	1.055	215.413	20.965	57.15	967.945	0	0	0	12.2
REI Met Station	7/22/2023	19:30:00 - 19:45:00	0.457	242.555	20.402	59.433	967.962	0	0	0	12.193
REI Met Station	7/22/2023	19:45:00 - 20:00:00	0.597	245.108	19.907	61.467	968.06	0	0	0	12.177
REI Met Station	7/22/2023	20:00:00 - 20:15:00	0.208	33.879	19.812	62.333	967.987	0	0	0	12.105
REI Met Station	7/22/2023	20:15:00 - 20:30:00	0.404	33.406	19.783	63.967	967.913	0	0	0	12.1

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/22/2023	20:30:00 - 20:45:00	0.455	49.235	19.613	64.5	967.963	0	0	0	12.1
REI Met Station	7/22/2023	20:45:00 - 21:00:00	0.601	54.304	19.362	64.7	968.008	0	0	0	12.1
REI Met Station	7/22/2023	21:00:00 - 21:15:00	0.153	332.405	19.155	65.2	967.975	0	0	0	12.1
REI Met Station	7/22/2023	21:15:00 - 21:30:00	0.092	335.531	18.77	66.5	967.9	0	0	0	12.05
REI Met Station	7/22/2023	21:30:00 - 21:45:00	0.271	8.389	18.375	67.583	968.065	0	0	0.083	12.053
REI Met Station	7/22/2023	21:45:00 - 22:00:00	0.157	16.921	18.168	68.75	968.085	0	0	0.017	12.027
REI Met Station	7/22/2023	22:00:00 - 22:15:00	0.16	9.949	17.8	70.8	968.315	0	0	0	12
REI Met Station	7/22/2023	22:15:00 - 22:30:00	0.133	121.152	17.58	72.217	968.5	0	0	0	12
REI Met Station	7/22/2023	22:30:00 - 22:45:00	0.506	200.805	17.728	73.533	968.767	0	0	0	12
REI Met Station	7/22/2023	22:45:00 - 23:00:00	0.408	188.086	17.615	74.933	969.097	0	0	0	12
REI Met Station	7/22/2023	23:00:00 - 23:15:00	0.734	191.409	17.447	76.1	969.087	0	0	0	12
REI Met Station	7/22/2023	23:15:00 - 23:30:00	0.372	194.399	17.203	77.2	969.043	0	0	0	12
REI Met Station	7/22/2023	23:30:00 - 23:45:00	0.19	215.976	16.683	80.017	969.11	0	0	0	12
REI Met Station	7/22/2023	23:45:00 - 00:00:00	0.282	189.23	16.283	82.1	969.203	0	0	0	12
REI Met Station	7/23/2023	00:00:00 - 00:15:00	0.188	28.97	16.038	83.517	969.155	0	0	0	12
REI Met Station	7/23/2023	00:15:00 - 00:30:00	0.222	67.181	15.74	84.3	969.09	0	0	0	12
REI Met Station	7/23/2023	00:30:00 - 00:45:00	0.37	44.058	15.6	85.667	969.037	0	0	0	11.998
REI Met Station	7/23/2023	00:45:00 - 01:00:00	0.33	28.783	15.442	86.583	969.102	0	0	0.067	11.995
REI Met Station	7/23/2023	01:00:00 - 01:15:00	0.389	29.972	15.34	87.567	969.015	0	0	0	11.978
REI Met Station	7/23/2023	01:15:00 - 01:30:00	0.323	45.536	15.185	88	969.128	0	0	0.083	11.95
REI Met Station	7/23/2023	01:30:00 - 01:45:00	0.147	95.272	14.942	88.317	969.067	0	0	0.083	11.915
REI Met Station	7/23/2023	01:45:00 - 02:00:00	0.221	18.659	14.842	89	969.028	0	0	0	11.9
REI Met Station	7/23/2023	02:00:00 - 02:15:00	0.092	15.4	14.678	89	968.987	0	0	0	11.9
REI Met Station	7/23/2023	02:15:00 - 02:30:00	0.178	44.965	14.617	89.15	969.002	0	44.965	0	11.9
REI Met Station	7/23/2023	02:30:00 - 02:45:00	0.191	106.333	14.387	89.817	969.045	0	0	0	11.9
REI Met Station	7/23/2023	02:45:00 - 03:00:00	0.137	86.489	14.242	90	969.055	0	0	0	11.9
REI Met Station	7/23/2023	03:00:00 - 03:15:00	0.186	345.745	14.34	90.767	968.958	0	0	0	11.9
REI Met Station	7/23/2023	03:15:00 - 03:30:00	0.085	31.355	14.37	90.5	969	0	0	0	11.9
REI Met Station	7/23/2023	03:30:00 - 03:45:00	0.385	155.988	14.238	90.583	969.023	0	0	0	11.9
REI Met Station	7/23/2023	03:45:00 - 04:00:00	0.204	151.139	14.147	90.867	968.983	0	0	0	11.893
REI Met Station	7/23/2023	04:00:00 - 04:15:00	0.231	104.052	14.03	91	969.16	0	0	0	11.883
REI Met Station	7/23/2023	04:15:00 - 04:30:00	0.132	166.871	14.028	91	969.158	0	0	0.067	11.845
REI Met Station	7/23/2023	04:30:00 - 04:45:00	0.499	152.449	13.972	91.233	969.248	0	0	0	11.82
REI Met Station	7/23/2023	04:45:00 - 05:00:00	0.331	134.931	13.955	91.833	969.445	0	0	0.083	11.8
REI Met Station	7/23/2023	05:00:00 - 05:15:00	0.543	139.717	14.065	92	969.5	0	0	0	11.8
REI Met Station	7/23/2023	05:15:00 - 05:30:00	0.448	157.884	14.022	92	969.543	0	0	0	11.8
REI Met Station	7/23/2023	05:30:00 - 05:45:00	0.103	33.516	13.792	91.767	969.653	0	33.516	0	11.8
REI Met Station	7/23/2023	05:45:00 - 06:00:00	0.083	204.031	13.565	92	969.748	0	0	0	11.8
REI Met Station	7/23/2023	06:00:00 - 06:15:00	0.075	184.675	13.408	92	969.89	0	0	0	11.8
REI Met Station	7/23/2023	06:15:00 - 06:30:00	0.061	33.319	13.327	92	969.957	0	33.319	0	11.8
REI Met Station	7/23/2023	06:30:00 - 06:45:00	0.084	69.372	13.22	92	970.072	0	0	0	11.8
REI Met Station	7/23/2023	06:45:00 - 07:00:00	0.202	184.95	13.227	92	970.043	0	184.95	0	11.8
REI Met Station	7/23/2023	07:00:00 - 07:15:00	0.077	222.683	13.415	92	970.095	0	0	0	11.8
REI Met Station	7/23/2023	07:15:00 - 07:30:00	0.123	169.453	13.555	92	970.1	0	0	0	11.8
REI Met Station	7/23/2023	07:30:00 - 07:45:00	0.482	177.038	13.898	92	970.182	0	177.038	0	11.8
REI Met Station	7/23/2023	07:45:00 - 08:00:00	0.411	15.393	14.293	91.767	970.33	0	0	0.083	11.828
REI Met Station	7/23/2023	08:00:00 - 08:15:00	0.396	329.842	14.997	89.45	970.297	0	0	0.083	11.88
REI Met Station	7/23/2023	08:15:00 - 08:30:00	0.406	282.428	15.793	85.717	970.365	0	0	0.15	11.907
REI Met Station	7/23/2023	08:30:00 - 08:45:00	0.177	235.773	16.638	82.383	970.442	0	0	0	12
REI Met Station	7/23/2023	08:45:00 - 09:00:00	0.254	225.87	17.682	79.317	970.413	0	0	0	12.105
REI Met Station	7/23/2023	09:00:00 - 09:15:00	0.318	186.034	18.85	76	970.398	0	0	0	12.26
REI Met Station	7/23/2023	09:15:00 - 09:30:00	0.432	36.977	20.113	72.1	970.35	0	0	0	12.45
REI Met Station	7/23/2023	09:30:00 - 09:45:00	0.441	19.879	20.632	71.233	970.372	0	19.879	0	12.59
REI Met Station	7/23/2023	09:45:00 - 10:00:00	0.417	114.131	21.415	69.983	970.405	0	0	0	12.708
REI Met Station	7/23/2023	10:00:00 - 10:15:00	0.507	69.559	22.523	67.983	970.357	0	0	0	12.81
REI Met Station	7/23/2023	10:15:00 - 10:30:00	0.3	40.045	23.173	66.183	970.303	0	40.045	0	12.823
REI Met Station	7/23/2023	10:30:00 - 10:45:00	0.446	0.675	23.477	64.567	970.33	0	0	0	12.85
REI Met Station	7/23/2023	10:45:00 - 11:00:00	0.379	358.541	23.61	64.183	970.443	0	0	0.067	12.887
REI Met Station	7/23/2023	11:00:00 - 11:15:00	0.516	322.947	24.298	61.933	970.425	0	0	0	12.828
REI Met Station	7/23/2023	11:15:00 - 11:30:00	0.387	279.796	24.602	58.1	970.393	0	0	0	12.813
REI Met Station	7/23/2023	11:30:00 - 11:45:00	0.476	299.314	25.307	56.383	970.448	0	0	0	12.793
REI Met Station	7/23/2023	11:45:00 - 12:00:00	0.498	304.373	25.332	55	970.505	0	0	0	12.817
REI Met Station	7/23/2023	12:00:00 - 12:15:00	0.54	274.36	25.685	52.817	970.505	0	274.36	0	12.895
REI Met Station	7/23/2023	12:15:00 - 12:30:00	0.89	233.874	26.113	51.6	970.44	0	0	0	12.472
REI Met Station	7/23/2023	12:30:00 - 12:45:00	0.207	0.839	26.03	51.6	970.355	0	0	0	12.398
REI Met Station	7/23/2023	12:45:00 - 13:00:00	0.942	17.48	26.112	51.467	970.308	0	0	0	12.302
REI Met Station	7/23/2023	13:00:00 - 13:15:00	0.547	283.841	26.417	50.817	970.285	0	0	0	12.3
REI Met Station	7/23/2023	13:15:00 - 13:30:00	0.904	6.544	26.428	51.367	970.252	0	0	0	12.325
REI Met Station	7/23/2023	13:30:00 - 13:45:00	0.386	323.657	26.808	49.233	970.173	0	0	0	12.303
REI Met Station	7/23/2023	13:45:00 - 14:00:00	0.792	269.579	27.4	47.1	970.102	0	0	0	12.3
REI Met Station	7/23/2023	14:00:00 - 14:15:00	0.243	262.939	27.558	47.05	970.042	0	0	0.167	12.297
REI Met Station	7/23/2023	14:15:00 - 14:30:00	0.397	4.423	27.543	46.767	970.073	0	0	0	12.295
REI Met Station	7/23/2023	14:30:00 - 14:45:00	0.687	222.284	27.475	44.95	970.027	0	0	0	12.3
REI Met Station	7/23/2023	14:45:00 - 15:00:00	0.695	217.483	27.967	44.3	970.055	0	0	0.1	12.3
REI Met Station	7/23/2023	15:00:00 - 15:15:00	0.251	302.01	27.97	44.167	969.963	0	0	0.083	12.3
REI Met Station	7/23/2023	15:15:00 - 15:30:00	1.053	224.217	28.073	42.333	969.98	0	0	0	12.3
REI Met Station	7/23/2023	15:30:00 - 15:45:00	0.488	237.419	28.533	41.717	969.888	0	0	0	12.3
REI Met Station	7/23/2023	15:45:00 - 16:00:00	0.955	241.708	28.317	41.133	969.72	0	0	0	12.3
REI Met Station	7/23/2023	16:00:00 - 16:15:00	0.429	239.342	28.52	41.9	969.633	0	0	0	12.3
REI Met Station	7/23/2023	16:15:00 - 16:30:00	0.308	248.325	28.302	41.25	969.532	0	0	0	12.3
REI Met Station	7/23/2023	16:30:00 - 16:45:00	0.663	6.791	28.13	42.3	969.498	0	0	0	12.3
REI Met Station	7/23/2023	16:45:00 - 17:00:00	0.618	266.038	28.512	41.067	969.487	0	0	0	12.3
REI Met Station	7/23/2023	17:00:00 - 17:15:00	0.531	297.275	28.658	39.85	969.585	0	0	0	12.3
REI Met Station	7/23/2023	17:15:00 - 17:30:00	0.635	257.636	28.645	39.683	969.53	0	0	0	12.3
REI Met Station	7/23/2023	17:30:00 - 17:45:00	0.428	281.279	28.877	39.567	969.452	0	0	0	12.3
REI Met Station	7/23/2023	17:45:00 - 18:00:00	0.564	280.179	28.615	40.133	969.427	0	0	0.033	12.337
REI Met Station	7/23/2023	18:00:00 - 18:15:00	0.732	271.803	28.477	39.367	969.46	0	0	0	12.375
REI Met Station	7/23/2023	18:15:00 - 18:30:00	0.652	280.21	28.398	39.783	969.487	0	0	0.067	12.392
REI Met Station	7/23/2023	18:30:00 - 18:45:00	0.551	308.152	28.18	39.95	969.538	0	0	0	12.39
REI Met Station	7/23/2023	18:45:00 - 19:00:00	0.415	11.445	27.903	42.133	969.602	0	0	0	12.4

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/23/2023	19:00:00 - 19:15:00	0.323	314.547	27.46	41.483	969.75	0	0	0	12.363
REI Met Station	7/23/2023	19:15:00 - 19:30:00	0.8	356.386	27.07	42.3	969.865	0	0	0	12.3
REI Met Station	7/23/2023	19:30:00 - 19:45:00	0.401	352.104	26.558	44.05	969.923	0	0	0	12.272
REI Met Station	7/23/2023	19:45:00 - 20:00:00	0.487	351.715	26.445	45.3	970.113	0	0	0	12.2
REI Met Station	7/23/2023	20:00:00 - 20:15:00	0.64	341.881	26.06	45.417	970.298	0	0	0	12.2
REI Met Station	7/23/2023	20:15:00 - 20:30:00	0.509	316.272	25.67	46.033	970.413	0	0	0	12.198
REI Met Station	7/23/2023	20:30:00 - 20:45:00	0.398	357.596	25.04	47.467	970.507	0	0	0	12.122
REI Met Station	7/23/2023	20:45:00 - 21:00:00	0.467	5.345	24.495	49.117	970.628	0	0	0	12.1
REI Met Station	7/23/2023	21:00:00 - 21:15:00	0.214	349.713	24.038	50.417	970.76	0	0	0	12.1
REI Met Station	7/23/2023	21:15:00 - 21:30:00	0.383	10.543	23.483	51.833	970.928	0	0	0.067	12.098
REI Met Station	7/23/2023	21:30:00 - 21:45:00	0.258	342.433	22.95	53.483	971.07	0	0	0	12.095
REI Met Station	7/23/2023	21:45:00 - 22:00:00	0.3	332.34	22.493	54.7	971.34	0	0	0	12.092
REI Met Station	7/23/2023	22:00:00 - 22:15:00	0.172	40.942	21.78	57.767	971.507	0	0	0	12.088
REI Met Station	7/23/2023	22:15:00 - 22:30:00	0.321	66.374	21.055	63.967	971.755	0	0	0	12.075
REI Met Station	7/23/2023	22:30:00 - 22:45:00	0.383	86.681	20.222	66.7	971.928	0	0	0	12.003
REI Met Station	7/23/2023	22:45:00 - 23:00:00	0.318	92.391	19.577	67.783	972.028	0	0	0	12
REI Met Station	7/23/2023	23:00:00 - 23:15:00	0.208	116.175	19.163	68.542	972.104	0	0	0	12
REI Met Station	7/23/2023	23:15:00 - 23:30:00	0.152	179.668	18.655	69.617	972.237	0	0	0	12
REI Met Station	7/23/2023	23:30:00 - 23:45:00	0.141	132.969	18.29	70.283	972.398	0	0	0	12
REI Met Station	7/23/2023	23:45:00 - 00:00:00	0.212	54.21	18.095	73.317	972.48	0	0	0	12
REI Met Station	7/24/2023	00:00:00 - 00:15:00	0.25	86.089	17.71	75.783	972.443	0	0	0	11.998
REI Met Station	7/24/2023	00:15:00 - 00:30:00	0.039	231.719	17.497	77.983	972.582	0	0	0.083	11.997
REI Met Station	7/24/2023	00:30:00 - 00:45:00	0.079	138.141	17.4	79.683	972.697	0	0	0	11.997
REI Met Station	7/24/2023	00:45:00 - 01:00:00	0.006	117.543	17.103	80.867	972.713	0	0	0	11.995
REI Met Station	7/24/2023	01:00:00 - 01:15:00	0.174	89.788	17.303	76.867	972.825	0	0	0.017	11.983
REI Met Station	7/24/2023	01:15:00 - 01:30:00	0.219	111.947	17.033	76.1	972.97	0	0	0	11.98
REI Met Station	7/24/2023	01:30:00 - 01:45:00	0.172	88.923	16.823	77.6	973.078	0	0	0	11.967
REI Met Station	7/24/2023	01:45:00 - 02:00:00	0.222	99.414	16.377	79.517	972.992	0	0	0	11.9
REI Met Station	7/24/2023	02:00:00 - 02:15:00	0.21	124.295	16.28	81.383	973.053	0	0	0	11.9
REI Met Station	7/24/2023	02:15:00 - 02:30:00	0.136	45.399	16.245	81.483	973.043	0	0	0	11.9
REI Met Station	7/24/2023	02:30:00 - 02:45:00	0.128	152.342	16.195	81	972.965	0	0	0	11.9
REI Met Station	7/24/2023	02:45:00 - 03:00:00	0.21	163.231	15.86	82.4	972.967	0	0	0	11.9
REI Met Station	7/24/2023	03:00:00 - 03:15:00	0.288	112.104	15.645	84.033	973	0	0	0	11.9
REI Met Station	7/24/2023	03:15:00 - 03:30:00	0.381	124.748	15.447	85.617	972.913	0	0	0	11.9
REI Met Station	7/24/2023	03:30:00 - 03:45:00	0.249	115.848	15.288	86.383	972.972	0	0	0	11.9
REI Met Station	7/24/2023	03:45:00 - 04:00:00	0.29	96.808	15.452	87.083	973.022	0	0	0	11.888
REI Met Station	7/24/2023	04:00:00 - 04:15:00	0.22	105.503	15.183	87	973.035	0	0	0.083	11.883
REI Met Station	7/24/2023	04:15:00 - 04:30:00	0.281	118.594	14.943	87	973.153	0	0	0	11.848
REI Met Station	7/24/2023	04:30:00 - 04:45:00	0.373	129.77	14.915	88.117	973.198	0	0	0	11.835
REI Met Station	7/24/2023	04:45:00 - 05:00:00	0.376	120.68	14.815	88.9	973.165	0	0	0.083	11.812
REI Met Station	7/24/2023	05:00:00 - 05:15:00	0.35	133.052	14.572	89	973.187	0	0	0	11.8
REI Met Station	7/24/2023	05:15:00 - 05:30:00	0.363	159.727	14.337	89.283	973.153	0	0	0	11.8
REI Met Station	7/24/2023	05:30:00 - 05:45:00	0.304	129.909	14.403	89.967	973.205	0	0	0	11.8
REI Met Station	7/24/2023	05:45:00 - 06:00:00	0.076	322.122	14.54	90	973.402	0	0	0	11.8
REI Met Station	7/24/2023	06:00:00 - 06:15:00	0.153	249.372	14.47	90	973.582	0	0	0	11.8
REI Met Station	7/24/2023	06:15:00 - 06:30:00	0.175	227.281	14.398	89.167	973.673	0	0	0	11.8
REI Met Station	7/24/2023	06:30:00 - 06:45:00	0.11	224.16	14.45	89.1	973.693	0	0	0	11.8
REI Met Station	7/24/2023	06:45:00 - 07:00:00	0.243	115.914	14.3	89.15	973.64	0	0	0.083	11.8
REI Met Station	7/24/2023	07:00:00 - 07:15:00	0.316	114.286	14.545	89.967	973.785	0	0	0.067	11.8
REI Met Station	7/24/2023	07:15:00 - 07:30:00	0.134	123.995	14.59	90	973.985	0	0	0	11.8
REI Met Station	7/24/2023	07:30:00 - 07:45:00	0.059	144.911	14.733	89.583	974.22	0	0	0.15	11.8
REI Met Station	7/24/2023	07:45:00 - 08:00:00	0.276	42.136	15.168	87.917	974.58	0	0	0.033	11.825
REI Met Station	7/24/2023	08:00:00 - 08:15:00	0.427	22.603	15.8	84.717	974.912	0	0	0	11.88
REI Met Station	7/24/2023	08:15:00 - 08:30:00	0.335	44.25	16.473	82.417	975.028	0	0	0	11.9
REI Met Station	7/24/2023	08:30:00 - 08:45:00	0.357	352.882	17.185	80.55	975.405	0	0	0	11.95
REI Met Station	7/24/2023	08:45:00 - 09:00:00	0.348	40.076	17.78	78.483	975.43	0	0	0	11.93
REI Met Station	7/24/2023	09:00:00 - 09:15:00	0.434	47.193	17.295	81.833	975.262	0	0	0	11.845
REI Met Station	7/24/2023	09:15:00 - 09:30:00	0.312	137.719	17.005	83.833	974.888	0	0	0	11.8
REI Met Station	7/24/2023	09:30:00 - 09:45:00	0.386	120.984	17.108	85.433	974.623	0	0	0	11.85
REI Met Station	7/24/2023	09:45:00 - 10:00:00	0.612	176.903	17.525	85.333	974.62	0	0	0	11.97
REI Met Station	7/24/2023	10:00:00 - 10:15:00	0.315	225.33	18.058	83.483	974.782	0	0	0	12.07
REI Met Station	7/24/2023	10:15:00 - 10:30:00	0.388	0.779	18.497	82.5	975.097	0	0	0	12.163
REI Met Station	7/24/2023	10:30:00 - 10:45:00	0.881	198.413	18.508	81	974.768	0	0	0	12.112
REI Met Station	7/24/2023	10:45:00 - 11:00:00	0.453	115.752	18.882	81.15	974.613	0	0	0.083	12.235
REI Met Station	7/24/2023	11:00:00 - 11:15:00	0.53	126.072	19.437	80.067	974.57	0	0	0.017	12.417
REI Met Station	7/24/2023	11:15:00 - 11:30:00	0.693	74.733	21.122	75.4	974.645	0	0	0.067	12.9
REI Met Station	7/24/2023	11:30:00 - 11:45:00	0.453	214.045	22.038	69.15	974.67	0	0	0	12.99
REI Met Station	7/24/2023	11:45:00 - 12:00:00	0.472	184.589	23.157	64.4	974.73	0	0	0	12.933
REI Met Station	7/24/2023	12:00:00 - 12:15:00	0.274	163.498	23.938	58.7	974.823	0	0	0	12.9
REI Met Station	7/24/2023	12:15:00 - 12:30:00	0.751	168.026	24.222	58.717	974.893	0	0	0	12.875
REI Met Station	7/24/2023	12:30:00 - 12:45:00	0.368	187.806	24.655	57.5	974.882	0	0	0	12.843
REI Met Station	7/24/2023	12:45:00 - 13:00:00	0.248	128.439	25.248	56.033	974.823	0	0	0	12.82
REI Met Station	7/24/2023	13:00:00 - 13:15:00	0.197	86.846	25.753	54.75	974.802	0	0	0	12.8
REI Met Station	7/24/2023	13:15:00 - 13:30:00	0.878	204.146	25.998	55.5	974.893	0	0	0	12.8
REI Met Station	7/24/2023	13:30:00 - 13:45:00	1.142	198.912	26.145	56.95	974.835	0	0	0	12.455
REI Met Station	7/24/2023	13:45:00 - 14:00:00	0.902	215.242	26.852	54.15	974.77	0	0	0	12.3
REI Met Station	7/24/2023	14:00:00 - 14:15:00	1.124	200.467	27.095	52.233	974.77	0	0	0	12.3
REI Met Station	7/24/2023	14:15:00 - 14:30:00	1.03	208.642	27.357	50.967	974.697	0	0	0	12.3
REI Met Station	7/24/2023	14:30:00 - 14:45:00	0.792	208.903	27.468	51.917	974.573	0	0	0	12.3
REI Met Station	7/24/2023	14:45:00 - 15:00:00	0.51	240.306	28.163	51.483	974.47	0	0	0	12.3
REI Met Station	7/24/2023	15:00:00 - 15:15:00	1.943	203.893	27.792	51.383	974.397	0	0	0.083	12.3
REI Met Station	7/24/2023	15:15:00 - 15:30:00	0.921	223.801	28.14	50.933	974.365	0	0	0.267	12.3
REI Met Station	7/24/2023	15:30:00 - 15:45:00	0.854	209.195	27.678	51.383	974.332	0	0	0	12.308
REI Met Station	7/24/2023	15:45:00 - 16:00:00	1.05	220.486	27.992	50.333	974.208	0	0	0	12.37
REI Met Station	7/24/2023	16:00:00 - 16:15:00	1.15	197.548	28.025	49.767	974.045	0	0	0	12.397
REI Met Station	7/24/2023	16:15:00 - 16:30:00	0.828	205.471	28.502	48.883	973.802	0	0	0	12.382
REI Met Station	7/24/2023	16:30:00 - 16:45:00	0.665	202.302	28.56	48.967	973.655	0	0	0	12.39
REI Met Station	7/24/2023	16:45:00 - 17:00:00	0.648	234.14	28.58	49.085	973.666	0	0	0.085	12.371
REI Met Station	7/24/2023	17:00:00 - 17:15:00	0.599	225.439	27.907	50.317	973.69	0	0	0.067	12.358
REI Met Station	7/24/2023	17:15:00 - 17:30:00	0.148	18.462	28.543	50.183	973.753	0	0	0	12.63

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/24/2023	17:30:00 - 17:45:00	0.82	197.332	28.066	49.729	973.775	0	0	0	12.503
REI Met Station	7/24/2023	17:45:00 - 18:00:00	0.568	246.989	28.518	48.233	973.652	0	0	0.017	12.643
REI Met Station	7/24/2023	18:00:00 - 18:15:00	0.587	215.466	29.055	46.183	973.478	0	0	0	12.697
REI Met Station	7/24/2023	18:15:00 - 18:30:00	0.75	215.346	28.915	46.667	973.587	0	0	0	12.65
REI Met Station	7/24/2023	18:30:00 - 18:45:00	0.69	226.84	28.15	48.117	973.55	0	0	0	12.497
REI Met Station	7/24/2023	18:45:00 - 19:00:00	0.866	210.207	26.932	51.733	973.49	0	0	0	12.302
REI Met Station	7/24/2023	19:00:00 - 19:15:00	0.925	209.04	26.362	54.183	973.682	0	0	0	12.208
REI Met Station	7/24/2023	19:15:00 - 19:30:00	0.151	275.063	25.935	56.667	973.927	0	0	0	12.2
REI Met Station	7/24/2023	19:30:00 - 19:45:00	0.211	44.253	25.843	57.333	973.998	0	0	0	12.2
REI Met Station	7/24/2023	19:45:00 - 20:00:00	0.572	8.036	25.825	56.25	974.155	0	0	0	12.2
REI Met Station	7/24/2023	20:00:00 - 20:15:00	0.6	35.125	25.55	57.65	974.31	0	0	0	12.197
REI Met Station	7/24/2023	20:15:00 - 20:30:00	0.653	49.438	24.83	60.583	974.427	0	0	0	12.115
REI Met Station	7/24/2023	20:30:00 - 20:45:00	0.441	25.109	24.267	62.367	974.42	0	0	0	12.1
REI Met Station	7/24/2023	20:45:00 - 21:00:00	0.396	73.921	23.953	62.933	974.395	0	0	0	12.1
REI Met Station	7/24/2023	21:00:00 - 21:15:00	0.319	98.317	23.37	64.683	974.28	0	0	0	12.1
REI Met Station	7/24/2023	21:15:00 - 21:30:00	0.34	85.605	22.593	67.3	974.378	0	0	0	12.092
REI Met Station	7/24/2023	21:30:00 - 21:45:00	0.086	1.02	22.142	68.833	974.417	0	0	0	12.09
REI Met Station	7/24/2023	21:45:00 - 22:00:00	0.234	0.853	21.775	70.067	974.585	0	0	0.083	12.072
REI Met Station	7/24/2023	22:00:00 - 22:15:00	0.262	5.112	21.195	73.817	974.718	0	0	0	12.075
REI Met Station	7/24/2023	22:15:00 - 22:30:00	0.261	40.564	20.713	76.817	974.855	0	0	0.083	12.008
REI Met Station	7/24/2023	22:30:00 - 22:45:00	0.234	40.652	20.295	79.583	974.858	0	0	0	12
REI Met Station	7/24/2023	22:45:00 - 23:00:00	0.187	78.975	19.722	81.417	974.833	0	0	0	12
REI Met Station	7/24/2023	23:00:00 - 23:15:00	0.301	62.544	19.492	83.233	974.898	0	0	0	12
REI Met Station	7/24/2023	23:15:00 - 23:30:00	0.201	66.264	19.215	84.333	974.91	0	0	0	12
REI Met Station	7/24/2023	23:30:00 - 23:45:00	0.163	294.21	18.972	86	975.01	0	0	0	12
REI Met Station	7/24/2023	23:45:00 - 00:00:00	0.196	10.565	18.935	87	975.003	0	0	0	12
REI Met Station	7/25/2023	00:00:00 - 00:15:00	0.399	31.816	18.905	87.017	975.007	0	0	0	12
REI Met Station	7/25/2023	00:15:00 - 00:30:00	0.258	341.373	18.998	86.467	975.108	0	0	0	12
REI Met Station	7/25/2023	00:30:00 - 00:45:00	0.229	75.864	18.568	87.033	975.272	0	0	0	12
REI Met Station	7/25/2023	00:45:00 - 01:00:00	0.292	104.742	18.412	88	975.382	0	0	0	12
REI Met Station	7/25/2023	01:00:00 - 01:15:00	0.197	148.09	18.045	88.267	975.465	0	0	0	12
REI Met Station	7/25/2023	01:15:00 - 01:30:00	0.25	76.386	18.023	89.367	975.417	0	0	0	11.998
REI Met Station	7/25/2023	01:30:00 - 01:45:00	0.517	349.205	18.135	89.267	975.402	0	0	0	11.975
REI Met Station	7/25/2023	01:45:00 - 02:00:00	0.047	175.974	18.042	89	975.533	0	0	0	11.905
REI Met Station	7/25/2023	02:00:00 - 02:15:00	0.235	280.923	17.752	89	975.6	0	0	0	11.9
REI Met Station	7/25/2023	02:15:00 - 02:30:00	0.124	150.097	17.35	89.133	975.668	0	0	0	11.9
REI Met Station	7/25/2023	02:30:00 - 02:45:00	0.147	127.044	17.268	90	975.667	0	0	0	11.9
REI Met Station	7/25/2023	02:45:00 - 03:00:00	0.249	120.382	16.933	90.117	975.633	0	0	0	11.9
REI Met Station	7/25/2023	03:00:00 - 03:15:00	0.231	136.537	16.993	90.617	975.62	0	0	0	11.9
REI Met Station	7/25/2023	03:15:00 - 03:30:00	0.255	85.011	16.852	90.967	975.633	0	0	0	11.9
REI Met Station	7/25/2023	03:30:00 - 03:45:00	0.325	81.642	16.927	90.7	975.67	0	0	0	11.9
REI Met Station	7/25/2023	03:45:00 - 04:00:00	0.198	4.355	17.095	89.183	975.643	0	0	0	11.9
REI Met Station	7/25/2023	04:00:00 - 04:15:00	0.108	10.162	16.998	88.933	975.687	0	0	0.083	11.892
REI Met Station	7/25/2023	04:15:00 - 04:30:00	0.151	74.041	16.822	89	975.708	0	0	0.083	11.887
REI Met Station	7/25/2023	04:30:00 - 04:45:00	0.247	50.646	16.795	88.833	975.687	0	0	0	11.875
REI Met Station	7/25/2023	04:45:00 - 05:00:00	0.083	81.113	16.7	88	975.673	0	0	0	11.853
REI Met Station	7/25/2023	05:00:00 - 05:15:00	0.087	130.572	16.547	88	975.623	0	0	0	11.835
REI Met Station	7/25/2023	05:15:00 - 05:30:00	0.117	139.549	16.207	88	975.51	0	0	0	11.803
REI Met Station	7/25/2023	05:30:00 - 05:45:00	0.319	132.598	16.005	88.317	975.543	0	0	0	11.8
REI Met Station	7/25/2023	05:45:00 - 06:00:00	0.072	93.211	15.712	88.5	975.422	0	0	0	11.8
REI Met Station	7/25/2023	06:00:00 - 06:15:00	0.109	173.109	15.678	87.733	975.392	0	0	0	11.8
REI Met Station	7/25/2023	06:15:00 - 06:30:00	0.197	138.699	15.455	86.817	975.398	0	0	0	11.8
REI Met Station	7/25/2023	06:30:00 - 06:45:00	0.282	150.637	15.467	85.917	975.517	0	0	0	11.8
REI Met Station	7/25/2023	06:45:00 - 07:00:00	0.23	143.328	15.435	85.417	975.525	0	0	0	11.8
REI Met Station	7/25/2023	07:00:00 - 07:15:00	0.368	140.414	15.472	83.683	975.677	0	0	0	11.8
REI Met Station	7/25/2023	07:15:00 - 07:30:00	0.499	123.394	15.697	81.967	975.747	0	0	0	11.8
REI Met Station	7/25/2023	07:30:00 - 07:45:00	0.435	113.781	16.145	81.267	975.577	0	0	0	11.8
REI Met Station	7/25/2023	07:45:00 - 08:00:00	0.321	81.022	16.722	77.767	975.543	0	0	0.067	11.857
REI Met Station	7/25/2023	08:00:00 - 08:15:00	0.15	132.572	17.662	73.65	975.488	0	0	0	11.893
REI Met Station	7/25/2023	08:15:00 - 08:30:00	0.201	100.209	18.34	71.833	975.528	0	0	0.067	11.898
REI Met Station	7/25/2023	08:30:00 - 08:45:00	0.152	74.822	19.183	70.1	975.457	0	0	0	11.978
REI Met Station	7/25/2023	08:45:00 - 09:00:00	0.48	104.104	20.02	69.633	975.302	0	0	0	12.055
REI Met Station	7/25/2023	09:00:00 - 09:15:00	0.565	68.056	20.248	70.067	975.217	0	0	0	12.18
REI Met Station	7/25/2023	09:15:00 - 09:30:00	0.377	98.292	21.08	70.433	975.295	0	0	0	12.338
REI Met Station	7/25/2023	09:30:00 - 09:45:00	0.258	190.558	22.303	66.733	975.272	0	0	0	12.485
REI Met Station	7/25/2023	09:45:00 - 10:00:00	0.615	116.58	22.09	66.867	975.307	0	0	0	12.6
REI Met Station	7/25/2023	10:00:00 - 10:15:00	0.964	100.499	21.635	68.1	975.263	0	0	0	12.672
REI Met Station	7/25/2023	10:15:00 - 10:30:00	0.824	75.387	22.365	66.583	975.308	0	0	0	12.718
REI Met Station	7/25/2023	10:30:00 - 10:45:00	0.382	97.491	23.763	64.617	975.118	0	0	0	12.797
REI Met Station	7/25/2023	10:45:00 - 11:00:00	0.751	133.314	24.258	62.8	975.025	0	0	0.083	12.8
REI Met Station	7/25/2023	11:00:00 - 11:15:00	0.55	161.29	24.538	62.75	974.933	0	0	0	12.835
REI Met Station	7/25/2023	11:15:00 - 11:30:00	0.364	160.605	25.547	61.517	974.935	0	0	0	12.76
REI Met Station	7/25/2023	11:30:00 - 11:45:00	0.216	152.594	25.998	60.6	974.747	0	0	0	12.743
REI Met Station	7/25/2023	11:45:00 - 12:00:00	0.72	204.195	26.683	58.717	974.648	0	0	0	12.735
REI Met Station	7/25/2023	12:00:00 - 12:15:00	0.422	196.218	26.797	58.583	974.565	0	0	0	12.788
REI Met Station	7/25/2023	12:15:00 - 12:30:00	1.17	198.5	26.88	58.3	974.548	0	0	0	12.728
REI Met Station	7/25/2023	12:30:00 - 12:45:00	1.095	197.598	27.513	57.95	974.563	0	0	0	12.612
REI Met Station	7/25/2023	12:45:00 - 13:00:00	1.184	202.66	28.27	55.767	974.555	0	0	0	12.3
REI Met Station	7/25/2023	13:00:00 - 13:15:00	1.54	212.951	28.572	54.817	974.272	0	0	0	12.255
REI Met Station	7/25/2023	13:15:00 - 13:30:00	1.357	202.372	28.5	55.783	974.098	0	0	0	12.293
REI Met Station	7/25/2023	13:30:00 - 13:45:00	1.849	204.009	28.957	54.95	973.86	0	0	0	12.23
REI Met Station	7/25/2023	13:45:00 - 14:00:00	1.478	209.703	29.083	55.333	973.722	0	0	0	12.24
REI Met Station	7/25/2023	14:00:00 - 14:15:00	0.941	200.346	29.662	53.817	973.55	0	0	0.117	12.208
REI Met Station	7/25/2023	14:15:00 - 14:30:00	0.912	197.756	30.175	52.233	973.273	0	0	0	12.2
REI Met Station	7/25/2023	14:30:00 - 14:45:00	1.599	206.78	30.423	50.05	973.168	0	0	0	12.2
REI Met Station	7/25/2023	14:45:00 - 15:00:00	0.933	214.863	31.063	48.967	973.125	0	0	0.1	12.2
REI Met Station	7/25/2023	15:00:00 - 15:15:00	1.275	204.089	30.473	49.467	972.968	0	0	0	12.2
REI Met Station	7/25/2023	15:15:00 - 15:30:00	1.323	192.902	31.252	47.45	972.775	0	0	0	12.2
REI Met Station	7/25/2023	15:30:00 - 15:45:00	1.263	204.003	31.142	47.917	972.62	0	0	0	12.2
REI Met Station	7/25/2023	15:45:00 - 16:00:00	1.392	200.862	31.048	47.733	972.572	0	0	0	12.2

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/25/2023	16:00:00 - 16:15:00	0.673	208.227	32.013	44.717	972.473	0	0	0	12.198
REI Met Station	7/25/2023	16:15:00 - 16:30:00	1.381	200.235	31.072	46.833	972.388	0	0	0	12.203
REI Met Station	7/25/2023	16:30:00 - 16:45:00	1.466	203.407	31	47.783	972.127	0	0	0	12.215
REI Met Station	7/25/2023	16:45:00 - 17:00:00	1.147	211.642	31.195	47.25	971.832	0	0	0	12.223
REI Met Station	7/25/2023	17:00:00 - 17:15:00	1.889	214.457	31.038	46.133	971.658	0	0	0	12.247
REI Met Station	7/25/2023	17:15:00 - 17:30:00	1.732	209.546	30.927	46.733	971.447	0	0	0	12.268
REI Met Station	7/25/2023	17:30:00 - 17:45:00	2.113	207.897	31.152	44.7	971.34	0	0	0.017	12.272
REI Met Station	7/25/2023	17:45:00 - 18:00:00	1.785	208.836	31.312	43.967	971.223	0	0	0	12.287
REI Met Station	7/25/2023	18:00:00 - 18:15:00	2.081	213.708	30.715	44.4	971.205	0	0	0	12.3
REI Met Station	7/25/2023	18:15:00 - 18:30:00	1.559	203.058	31.228	44.183	971.293	0	0	0.067	12.3
REI Met Station	7/25/2023	18:30:00 - 18:45:00	2.262	208.566	30.815	44.95	971.295	0	0	0	12.3
REI Met Station	7/25/2023	18:45:00 - 19:00:00	0.676	191.597	31.24	45.45	971.203	0	0	0	12.3
REI Met Station	7/25/2023	19:00:00 - 19:15:00	1.184	197.373	30.602	45.633	971.223	0	0	0	12.237
REI Met Station	7/25/2023	19:15:00 - 19:30:00	1.377	200.27	30.207	46.75	971.315	0	0	0	12.2
REI Met Station	7/25/2023	19:30:00 - 19:45:00	0.617	189.395	30.287	47.283	971.398	0	0	0	12.2
REI Met Station	7/25/2023	19:45:00 - 20:00:00	0.938	195.029	30.445	46.567	971.347	0	0	0	12.2
REI Met Station	7/25/2023	20:00:00 - 20:15:00	1.088	196.455	29.985	47.733	971.232	0	0	0	12.175
REI Met Station	7/25/2023	20:15:00 - 20:30:00	0.633	186.285	29.737	49.7	971.188	0	0	0	12.1
REI Met Station	7/25/2023	20:30:00 - 20:45:00	0.619	192.307	29.112	51.65	971.202	0	0	0	12.1
REI Met Station	7/25/2023	20:45:00 - 21:00:00	0.801	163.121	28.747	52.767	971.115	0	0	0	12.097
REI Met Station	7/25/2023	21:00:00 - 21:15:00	0.666	119.33	27.798	56.633	971.118	0	0	0.1	12.097
REI Met Station	7/25/2023	21:15:00 - 21:30:00	0.426	122.955	26.855	60.55	971.14	0	0	0.017	12.087
REI Met Station	7/25/2023	21:30:00 - 21:45:00	0.234	49.651	25.738	65.517	971.315	0	0	0	12.082
REI Met Station	7/25/2023	21:45:00 - 22:00:00	0.273	89.579	24.722	69.383	971.405	0	0	0.083	12.065
REI Met Station	7/25/2023	22:00:00 - 22:15:00	0.305	98.691	24.263	71.233	971.523	0	0	0.067	12.027
REI Met Station	7/25/2023	22:15:00 - 22:30:00	0.375	86.739	24.053	73.1	971.608	0	0	0	12
REI Met Station	7/25/2023	22:30:00 - 22:45:00	0.399	105.031	23.702	74.033	971.585	0	0	0	12
REI Met Station	7/25/2023	22:45:00 - 23:00:00	0.242	187.871	23.613	74.083	971.51	0	0	0	12
REI Met Station	7/25/2023	23:00:00 - 23:15:00	0.302	179.515	23.767	71.517	971.29	0	0	0	12
REI Met Station	7/25/2023	23:15:00 - 23:30:00	0.374	140.956	23.76	72.7	971.017	0	0	0	12
REI Met Station	7/25/2023	23:30:00 - 23:45:00	0.603	117.442	24.2	71.933	970.795	0	0	0	12
REI Met Station	7/25/2023	23:45:00 - 00:00:00	0.258	80.843	24.09	72.3	970.638	0	0	0	12
REI Met Station	7/26/2023	00:00:00 - 00:15:00	0.27	38.638	23.597	75.65	970.43	0	0	0	12
REI Met Station	7/26/2023	00:15:00 - 00:30:00	0.276	28.455	23.01	76.783	970.337	0	0	0	11.995
REI Met Station	7/26/2023	00:30:00 - 00:45:00	0.347	71.573	22.66	77.783	970.418	0	0	0	11.998
REI Met Station	7/26/2023	00:45:00 - 01:00:00	0.27	10.517	22.417	78.833	970.433	0	0	0.067	11.98
REI Met Station	7/26/2023	01:00:00 - 01:15:00	0.332	41.944	22.367	79.567	970.433	0	0	0	11.945
REI Met Station	7/26/2023	01:15:00 - 01:30:00	0.51	16.61	22.3	79.467	970.337	0	0	0.083	11.913
REI Met Station	7/26/2023	01:30:00 - 01:45:00	0.412	5.083	22.295	79	970.432	0	0	0	11.9
REI Met Station	7/26/2023	01:45:00 - 02:00:00	0.097	60.135	22.085	79.967	970.23	0	0	0	11.9
REI Met Station	7/26/2023	02:00:00 - 02:15:00	0.189	13.26	21.947	80.65	969.992	0	0	0	11.9
REI Met Station	7/26/2023	02:15:00 - 02:30:00	0.264	66.232	21.667	81	969.9	0	0	0	11.9
REI Met Station	7/26/2023	02:30:00 - 02:45:00	0.092	61.894	21.387	81.317	969.732	0	0	0	11.9
REI Met Station	7/26/2023	02:45:00 - 03:00:00	0.331	4.454	21.075	82.767	969.573	0	0	0	11.9
REI Met Station	7/26/2023	03:00:00 - 03:15:00	0.214	48.321	20.842	83.617	969.433	0	0	0	11.9
REI Met Station	7/26/2023	03:15:00 - 03:30:00	0.182	51.54	20.638	85	969.198	0	0	0	11.9
REI Met Station	7/26/2023	03:30:00 - 03:45:00	0.126	78.037	20.5	85.85	968.982	0	0	0	11.9
REI Met Station	7/26/2023	03:45:00 - 04:00:00	0.354	112.279	20.603	85.333	968.633	0	0	0	11.9
REI Met Station	7/26/2023	04:00:00 - 04:15:00	0.436	118.777	21.088	82.317	968.31	0	0	0	11.898
REI Met Station	7/26/2023	04:15:00 - 04:30:00	0.522	117.91	21.3	80.567	968.045	0	0	0.1	11.887
REI Met Station	7/26/2023	04:30:00 - 04:45:00	0.158	193.363	21.3	80	968.06	0	0	0.067	11.888
REI Met Station	7/26/2023	04:45:00 - 05:00:00	0.246	278.194	21.3	79.933	968.133	0	0	0	11.878
REI Met Station	7/26/2023	05:00:00 - 05:15:00	0.372	3.085	21.263	79.95	967.997	0	0	0	11.872
REI Met Station	7/26/2023	05:15:00 - 05:30:00	0.093	62.457	21.202	80.133	968.127	0	0	0	11.867
REI Met Station	7/26/2023	05:30:00 - 05:45:00	0.208	8.572	21.18	81	968.087	0	0	0	11.835
REI Met Station	7/26/2023	05:45:00 - 06:00:00	0.132	70.445	21.007	81.55	968.122	0	0	0	11.885
REI Met Station	7/26/2023	06:00:00 - 06:15:00	0.24	124.635	20.95	82	967.937	0	0	0	11.877
REI Met Station	7/26/2023	06:15:00 - 06:30:00	0.163	139.188	20.972	81.95	967.675	0	0	0	11.877
REI Met Station	7/26/2023	06:30:00 - 06:45:00	0.032	0.437	21.205	80.333	966.963	0	0	0	11.86
REI Met Station	7/26/2023	06:45:00 - 07:00:00	0.091	300.7	21.272	80	966.467	0	0	0	11.838
REI Met Station	7/26/2023	07:00:00 - 07:15:00	0.11	150.602	21.26	81.067	965.99	0	0	0	11.823
REI Met Station	7/26/2023	07:15:00 - 07:30:00	0.439	245.166	20.878	83.95	965.952	0	0	0	11.813
REI Met Station	7/26/2023	07:30:00 - 07:45:00	0.101	188.367	20.555	86.333	966.085	0	0	0	11.8
REI Met Station	7/26/2023	07:45:00 - 08:00:00	0.383	88.906	20.5	88.35	966.055	0	0	0.017	11.8
REI Met Station	7/26/2023	08:00:00 - 08:15:00	0.039	150.051	20.537	89.183	966.088	0	0	0.2	11.813
REI Met Station	7/26/2023	08:15:00 - 08:30:00	0.278	131.912	20.51	90	966.575	0	0	0	11.827
REI Met Station	7/26/2023	08:30:00 - 08:45:00	0.408	172.81	20.626	90	966.705	0	0	0.033	11.823
REI Met Station	7/26/2023	08:45:00 - 09:00:00	0.523	107.153	20.854	90.356	966.002	0	0	0.085	11.897
REI Met Station	7/26/2023	09:00:00 - 09:15:00	0.366	79.954	21.13	90	966.03	0	0	0	11.928
REI Met Station	7/26/2023	09:15:00 - 09:30:00	0.269	160.964	21.592	89.2	966.003	0	0	0	12.003
REI Met Station	7/26/2023	09:30:00 - 09:45:00	0.208	218.116	21.848	87.733	965.767	0	0	0	12.062
REI Met Station	7/26/2023	09:45:00 - 10:00:00	0.399	179.396	22.138	86.35	965.305	0	0	0	12.117
REI Met Station	7/26/2023	10:00:00 - 10:15:00	0.95	193.809	23.41	81.95	965.008	0	0	0	12.532
REI Met Station	7/26/2023	10:15:00 - 10:30:00	0.153	167.017	24.012	78.797	964.854	0	0	0	12.649
REI Met Station	7/26/2023	10:30:00 - 10:45:00	0.697	14.909	24.677	75.836	964.733	0	0	0	12.611
REI Met Station	7/26/2023	10:45:00 - 11:00:00	0.326	5.297	24.597	76.458	965.032	0	0	0	12.5
REI Met Station	7/26/2023	11:00:00 - 11:15:00	0.137	338.803	25.487	76.217	965.222	0	0	0	12.642
REI Met Station	7/26/2023	11:15:00 - 11:30:00	0.405	341.015	25.866	72.279	965.23	0	0	0	12.6
REI Met Station	7/26/2023	11:30:00 - 11:45:00	1.217	213.201	25.402	73.441	965.497	0	0	0	12.654
REI Met Station	7/26/2023	11:45:00 - 12:00:00	0.759	202.583	26.445	70.7	965.283	0	0	0	12.74
REI Met Station	7/26/2023	12:00:00 - 12:15:00	0.184	42.793	27.71	65.7	965.137	0	0	0.067	12.667
REI Met Station	7/26/2023	12:15:00 - 12:30:00	0.387	249.973	26.843	66.8	965.173	0	0	0	12.613
REI Met Station	7/26/2023	12:30:00 - 12:45:00	1.039	218.33	26.182	68.6	965.153	0	0	0	12.495
REI Met Station	7/26/2023	12:45:00 - 13:00:00	0.767	219.971	25.705	69.817	965.272	0	0	0	12.412
REI Met Station	7/26/2023	13:00:00 - 13:15:00	0.747	198.488	26.373	66.7	965.307	0	0	0	12.597
REI Met Station	7/26/2023	13:15:00 - 13:30:00	0.312	344.679	27.628	63.533	965.082	0	0	0	12.363
REI Met Station	7/26/2023	13:30:00 - 13:45:00	0.154	239.263	28.135	61.317	964.983	0	0	0	12.3
REI Met Station	7/26/2023	13:45:00 - 14:00:00	1.266	198.819	27.992	60.367	964.815	0	0	0	12.3
REI Met Station	7/26/2023	14:00:00 - 14:15:00	1.916	207.032	27.402	61.4	964.817	0	0	0	12.353
REI Met Station	7/26/2023	14:15:00 - 14:30:00	0.455	240.567	27.023	64.233	964.938	0	0	0	12.318

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/26/2023	14:30:00 - 14:45:00	0.308	299.685	27.45	61.85	964.933	0	0	0	12.38
REI Met Station	7/26/2023	14:45:00 - 15:00:00	0.167	346.071	28.303	59.467	964.858	0	0	0	12.612
REI Met Station	7/26/2023	15:00:00 - 15:15:00	0.203	253.459	29.153	57.267	965.013	0	0	0	12.61
REI Met Station	7/26/2023	15:15:00 - 15:30:00	0.439	283.522	28.82	58.967	965.187	0	0	0	12.607
REI Met Station	7/26/2023	15:30:00 - 15:45:00	1.104	218.325	30.128	55	965.212	0	0	0	12.74
REI Met Station	7/26/2023	15:45:00 - 16:00:00	0.612	264.342	30.567	51.967	965.172	0	0	0	12.698
REI Met Station	7/26/2023	16:00:00 - 16:15:00	1.084	248.161	30.332	51.567	965.187	0	0	0	12.7
REI Met Station	7/26/2023	16:15:00 - 16:30:00	0.933	257.375	30.095	51.183	965.202	0	0	0	12.645
REI Met Station	7/26/2023	16:30:00 - 16:45:00	0.689	268.866	29.07	54.633	965.373	0	0	0	12.46
REI Met Station	7/26/2023	16:45:00 - 17:00:00	0.746	43.096	27.398	62.35	965.663	0	0	0	12.322
REI Met Station	7/26/2023	17:00:00 - 17:15:00	0.249	59.894	25.938	68.617	965.842	0	0	0	12.297
REI Met Station	7/26/2023	17:15:00 - 17:30:00	0.407	47.218	25.683	72.2	966.047	0	0	0	12.225
REI Met Station	7/26/2023	17:30:00 - 17:45:00	0.215	102.773	26.542	72.633	966.103	0	0	0	12.713
REI Met Station	7/26/2023	17:45:00 - 18:00:00	0.34	45.773	29.065	62.85	966.045	0	0	0	12.722
REI Met Station	7/26/2023	18:00:00 - 18:15:00	0.459	44.994	29.672	57.667	966.04	0	0	0	12.637
REI Met Station	7/26/2023	18:15:00 - 18:30:00	0.431	44.802	30.182	56.817	966.163	0	0	0	12.642
REI Met Station	7/26/2023	18:30:00 - 18:45:00	0.752	42.949	29.953	55.4	966.143	0	0	0	12.695
REI Met Station	7/26/2023	18:45:00 - 19:00:00	0.348	44.278	30.737	54.083	966.105	0	0	0.1	12.612
REI Met Station	7/26/2023	19:00:00 - 19:15:00	0.241	349.275	30.24	54.817	966.198	0	0	0	12.462
REI Met Station	7/26/2023	19:15:00 - 19:30:00	0.151	269.827	28.737	58.9	966.358	0	0	0	12.3
REI Met Station	7/26/2023	19:30:00 - 19:45:00	0.266	42.217	28.96	59.85	966.375	0	0	0	12.218
REI Met Station	7/26/2023	19:45:00 - 20:00:00	0.427	16.222	28.808	59.817	966.36	0	0	0	12.2
REI Met Station	7/26/2023	20:00:00 - 20:15:00	0.323	26.757	29.382	57.933	966.472	0	0	0	12.2
REI Met Station	7/26/2023	20:15:00 - 20:30:00	0.28	11.556	29.053	58.133	966.503	0	0	0	12.198
REI Met Station	7/26/2023	20:30:00 - 20:45:00	0.269	16.277	28.182	60.35	966.607	0	0	0	12.137
REI Met Station	7/26/2023	20:45:00 - 21:00:00	0.233	358.706	27.563	62.317	966.747	0	0	0	12.1
REI Met Station	7/26/2023	21:00:00 - 21:15:00	0.119	19.534	27.085	64.133	966.95	0	0	0	12.1
REI Met Station	7/26/2023	21:15:00 - 21:30:00	0.36	25.552	26.358	67.85	967.072	0	0	0	12.098
REI Met Station	7/26/2023	21:30:00 - 21:45:00	0.289	55.297	25.743	69.383	967.17	0	0	0.067	12.092
REI Met Station	7/26/2023	21:45:00 - 22:00:00	0.255	50.585	25.192	71.883	967.395	0	0	0.083	12.088
REI Met Station	7/26/2023	22:00:00 - 22:15:00	0.38	30.705	24.918	71.983	967.678	0	0	0	12.057
REI Met Station	7/26/2023	22:15:00 - 22:30:00	0.247	44.907	24.502	73.667	967.92	0	0	0	12.077
REI Met Station	7/26/2023	22:30:00 - 22:45:00	0.259	62.067	23.672	78.85	968.093	0	0	0	12.063
REI Met Station	7/26/2023	22:45:00 - 23:00:00	0.195	108.531	22.982	80.6	968.242	0	0	0	12.055
REI Met Station	7/26/2023	23:00:00 - 23:15:00	0.112	2.085	22.467	82.217	968.36	0	0	0	12.003
REI Met Station	7/26/2023	23:15:00 - 23:30:00	0.215	17.12	22.133	83.75	968.54	0	0	0	12
REI Met Station	7/26/2023	23:30:00 - 23:45:00	0.115	25.276	21.902	85.617	968.59	0	0	0	12
REI Met Station	7/26/2023	23:45:00 - 00:00:00	0.196	26.838	21.628	86.733	968.725	0	0	0	12
REI Met Station	7/27/2023	00:00:00 - 00:15:00	0.276	41.987	21.55	88	968.872	0	0	0	12
REI Met Station	7/27/2023	00:15:00 - 00:30:00	0.169	103.35	21.335	88.117	969.005	0	0	0	12
REI Met Station	7/27/2023	00:30:00 - 00:45:00	0.238	43.126	21.075	89	969.122	0	0	0	12
REI Met Station	7/27/2023	00:45:00 - 01:00:00	0.191	45.441	20.773	89.65	969.175	0	0	0	12
REI Met Station	7/27/2023	01:00:00 - 01:15:00	0.123	78.73	20.425	89.4	969.173	0	0	0.1	11.998
REI Met Station	7/27/2023	01:15:00 - 01:30:00	0.181	110.282	20.277	90.05	969.238	0	0	0	12
REI Met Station	7/27/2023	01:30:00 - 01:45:00	0.211	87.727	20.135	90.067	969.268	0	0	0	12
REI Met Station	7/27/2023	01:45:00 - 02:00:00	0.229	104.338	19.96	91	969.357	0	0	0	12
REI Met Station	7/27/2023	02:00:00 - 02:15:00	0.235	98.507	19.9	91	969.403	0	0	0	11.998
REI Met Station	7/27/2023	02:15:00 - 02:30:00	0.278	124.358	19.882	91.167	969.287	0	0	0	12
REI Met Station	7/27/2023	02:30:00 - 02:45:00	0.115	114.631	19.743	91.183	969.187	0	0	0	11.998
REI Met Station	7/27/2023	02:45:00 - 03:00:00	0.093	155.178	19.668	91.583	969.2	0	0	0	12
REI Met Station	7/27/2023	03:00:00 - 03:15:00	0.285	117.402	19.667	91.933	969.282	0	0	0	11.988
REI Met Station	7/27/2023	03:15:00 - 03:30:00	0.087	183.075	19.535	92	969.14	0	0	0	11.923
REI Met Station	7/27/2023	03:30:00 - 03:45:00	0.261	218.857	19.655	92	968.992	0	0	0	11.968
REI Met Station	7/27/2023	03:45:00 - 04:00:00	0.195	240.813	19.785	92	968.955	0	0	0	11.96
REI Met Station	7/27/2023	04:00:00 - 04:15:00	0.085	223.012	19.773	92.083	968.902	0	0	0	11.915
REI Met Station	7/27/2023	04:15:00 - 04:30:00	0.326	227.191	19.795	92	969.045	0	0	0	11.9
REI Met Station	7/27/2023	04:30:00 - 04:45:00	0.357	209.867	19.57	92	969.092	0	0	0.067	11.9
REI Met Station	7/27/2023	04:45:00 - 05:00:00	0.304	241.782	19.563	92.25	969.422	0	0	0.083	11.9
REI Met Station	7/27/2023	05:00:00 - 05:15:00	0.034	197.401	19.435	92	969.817	0	0	0	11.9
REI Met Station	7/27/2023	05:15:00 - 05:30:00	0.197	176.535	19.247	92	970.025	0	0	0.017	11.9
REI Met Station	7/27/2023	05:30:00 - 05:45:00	0.304	131.945	19.355	93	970.18	0	0	0	11.9
REI Met Station	7/27/2023	05:45:00 - 06:00:00	0.238	140.118	19.32	92.883	970.31	0	0	0	11.9
REI Met Station	7/27/2023	06:00:00 - 06:15:00	0.31	112.97	19.272	93	970.31	0	0	0	11.9
REI Met Station	7/27/2023	06:15:00 - 06:30:00	0.24	159.596	19.122	93	970.343	0	0	0	11.9
REI Met Station	7/27/2023	06:30:00 - 06:45:00	0.116	152.737	18.922	93	970.377	0	0	0	11.9
REI Met Station	7/27/2023	06:45:00 - 07:00:00	0.482	142.697	19.018	93	970.367	0	0	0	11.9
REI Met Station	7/27/2023	07:00:00 - 07:15:00	0.297	222.618	19.13	93	969.975	0	0	0	11.9
REI Met Station	7/27/2023	07:15:00 - 07:30:00	0.34	138.302	19.2	93	970.073	0	0	0	11.898
REI Met Station	7/27/2023	07:30:00 - 07:45:00	0.31	139.84	19.317	93	970.037	0	0	0	11.895
REI Met Station	7/27/2023	07:45:00 - 08:00:00	0.536	216.546	19.69	93	970.257	0	0	0	11.9
REI Met Station	7/27/2023	08:00:00 - 08:15:00	0.474	180.78	20.19	92.85	970.673	0	0	0.033	11.9
REI Met Station	7/27/2023	08:15:00 - 08:30:00	0.31	90.129	21.155	92.1	970.987	0	0	0.033	11.94
REI Met Station	7/27/2023	08:30:00 - 08:45:00	0.114	131.758	22.67	88.15	971.168	0	0	0	12
REI Met Station	7/27/2023	08:45:00 - 09:00:00	0.437	54.451	23.737	82.167	971.42	0	0	0	12.118
REI Met Station	7/27/2023	09:00:00 - 09:15:00	0.357	70.185	24.833	77.467	971.7	0	0	0	12.25
REI Met Station	7/27/2023	09:15:00 - 09:30:00	0.469	64.683	26.048	73.017	971.728	0	0	0	12.408
REI Met Station	7/27/2023	09:30:00 - 09:45:00	0.654	93.91	27.037	69.517	971.483	0	0	0	12.533
REI Met Station	7/27/2023	09:45:00 - 10:00:00	0.465	88.502	27.758	66.85	971.592	0	0	0	12.642
REI Met Station	7/27/2023	10:00:00 - 10:15:00	0.57	110.158	27.012	69.1	971.462	0	0	0	12.498
REI Met Station	7/27/2023	10:15:00 - 10:30:00	0.413	127.121	26.763	69.983	971.54	0	0	0	12.468
REI Met Station	7/27/2023	10:30:00 - 10:45:00	0.748	100.242	26.37	72.217	971.195	0	0	0	12.433
REI Met Station	7/27/2023	10:45:00 - 11:00:00	0.66	110.65	26.728	72.417	970.837	0	0	0	12.458
REI Met Station	7/27/2023	11:00:00 - 11:15:00	0.64	187.261	27.313	71.183	970.998	0	0	0	12.617
REI Met Station	7/27/2023	11:15:00 - 11:30:00	0.336	135.869	28.553	67.55	970.878	0	0	0.067	12.667
REI Met Station	7/27/2023	11:30:00 - 11:45:00	0.402	170.751	27.962	67.55	970.71	0	0	0.117	12.495
REI Met Station	7/27/2023	11:45:00 - 12:00:00	0.59	185.988	27.873	67.083	971.228	0	0	0.133	12.472
REI Met Station	7/27/2023	12:00:00 - 12:15:00	1.004	200.293	28.975	63.383	971.55	0	0	0	12.363
REI Met Station	7/27/2023	12:15:00 - 12:30:00	1.081	185.382	29.577	60.35	971.598	0	0	0	12.263
REI Met Station	7/27/2023	12:30:00 - 12:45:00	1.531	202.254	29.052	60.767	971.532	0	0	0	12.303
REI Met Station	7/27/2023	12:45:00 - 13:00:00	1.506	210.928	28.787	61.233	971.39	0	0	0	12.385

Deployment Label	Date	Time Period	windMetersPerSecond	windDegreesFromNorth	temperature	relativeHumidity	pressure	rainfallMillis	rainfallTotal	solarRadiation	voltage
REI Met Station	7/27/2023	13:00:00 - 13:15:00	1.489	206.685	28.997	62.017	971.368	0	0	0	12.335
REI Met Station	7/27/2023	13:15:00 - 13:30:00	1.164	208.289	29.423	62.083	971.248	0	0	0	12.317
REI Met Station	7/27/2023	13:30:00 - 13:45:00	1.612	206.249	29.96	59.95	971.08	0	0	0	12.208
REI Met Station	7/27/2023	13:45:00 - 14:00:00	1.884	207.734	29.647	57.967	971.012	0	0	0	12.265
REI Met Station	7/27/2023	14:00:00 - 14:15:00	1.241	180.843	30.4	57.25	970.623	0	0	0	12.263
REI Met Station	7/27/2023	14:15:00 - 14:30:00	0.752	168.44	31.313	55.3	970.43	0	0	0	12.197
REI Met Station	7/27/2023	14:30:00 - 14:45:00	1.186	112.184	31.11	55.367	970.357	0	0	0	12.2
REI Met Station	7/27/2023	14:45:00 - 15:00:00	0.809	199.642	31.698	52.917	970.338	0	0	0	12.197
REI Met Station	7/27/2023	15:00:00 - 15:15:00	0.737	152.242	31.272	53.933	970.388	0	0	0.033	12.2
REI Met Station	7/27/2023	15:15:00 - 15:30:00	1.015	211.424	31.187	53.167	970.397	0	0	0.067	12.23
REI Met Station	7/27/2023	15:30:00 - 15:45:00	0.818	193.496	32.065	51.183	970.367	0	0	0.217	12.202
REI Met Station	7/27/2023	15:45:00 - 16:00:00	0.702	127.535	32.48	51	970.138	0	0	0	12.205
REI Met Station	7/27/2023	16:00:00 - 16:15:00	0.787	140.394	32.508	50.417	970.108	0	0	0	12.2
REI Met Station	7/27/2023	16:15:00 - 16:30:00	0.567	132.79	33.135	48.717	969.972	0	0	0	12.2
REI Met Station	7/27/2023	16:30:00 - 16:45:00	1.314	232.278	32.888	47.883	969.795	0	0	0	12.2
REI Met Station	7/27/2023	16:45:00 - 17:00:00	0.78	200.522	32.098	49.883	969.793	0	0	0	12.268
REI Met Station	7/27/2023	17:00:00 - 17:15:00	0.935	203.389	32.82	49.183	969.503	0	0	0	12.238
REI Met Station	7/27/2023	17:15:00 - 17:30:00	0.703	152.658	32.35	49.917	968.945	0	0	0	12.288
REI Met Station	7/27/2023	17:30:00 - 17:45:00	0.847	116.018	33	48.917	967.91	0	0	0	12.238
REI Met Station	7/27/2023	17:45:00 - 18:00:00	0.692	151.515	33.017	48.267	967.948	0	0	0	12.225
REI Met Station	7/27/2023	18:00:00 - 18:15:00	1.044	220.705	32.22	50.45	968.542	0	0	0	12.247
REI Met Station	7/27/2023	18:15:00 - 18:30:00	1.288	204.76	31.512	52.517	968.882	0	0	0	12.21
REI Met Station	7/27/2023	18:30:00 - 18:45:00	1.318	205.706	31.303	54.15	968.62	0	0	0	12.2
REI Met Station	7/27/2023	18:45:00 - 19:00:00	1.235	204.24	30.983	55.567	968.262	0	0	0	12.173
REI Met Station	7/27/2023	19:00:00 - 19:15:00	1.406	209.316	30.703	56.767	968.823	0	0	0.333	12.1
REI Met Station	7/27/2023	19:15:00 - 19:30:00	0.977	171.351	30.508	57.717	969.447	0	0	0	12.1
REI Met Station	7/27/2023	19:30:00 - 19:45:00	0.522	132.094	29.793	60.233	969.147	0	0	0	12.098
REI Met Station	7/27/2023	19:45:00 - 20:00:00	0.3	185.173	29.387	61.317	969.103	0	0	0	12.07
REI Met Station	7/27/2023	20:00:00 - 20:15:00	1.282	223.888	28.065	67.3	969.402	0	0	0	12.042
REI Met Station	7/27/2023	20:15:00 - 20:30:00	1.883	346.061	22.175	81.017	970.863	0	0	0	12.027
REI Met Station	7/27/2023	20:30:00 - 20:45:00	2.061	356.6	19.132	90.083	971.438	0.004	0.083	0	12
REI Met Station	7/27/2023	20:45:00 - 21:00:00	1.84	6.248	19.057	91.117	971.483	0.004	0.371	0	12
REI Met Station	7/27/2023	21:00:00 - 21:15:00	1.184	15.127	18.9	91.717	972.012	0.008	0.858	0	12
REI Met Station	7/27/2023	21:15:00 - 21:30:00	1.164	29.106	18.742	91.6	971.827	0.029	1.521	0	12
REI Met Station	7/27/2023	21:30:00 - 21:45:00	1.204	33.03	18.728	91.083	971.438	0.121	6.242	0	11.993
REI Met Station	7/27/2023	21:45:00 - 22:00:00	0.379	2.303	18.768	90.967	971.337	0.092	12.979	0.083	11.992
REI Met Station	7/27/2023	22:00:00 - 22:15:00	0.612	286.774	19.163	89.183	973.137	0.038	17.113	0	11.955
REI Met Station	7/27/2023	22:15:00 - 22:30:00	0.815	315.146	18.558	90.217	973.257	0.017	18.258	0	11.913
REI Met Station	7/27/2023	22:30:00 - 22:45:00	0.397	207.993	18.2	92	973.248	0.017	19.296	0.033	11.9
REI Met Station	7/27/2023	22:45:00 - 23:00:00	0.709	203.018	18.342	93	973.347	0.013	20.204	0	11.9
REI Met Station	7/27/2023	23:00:00 - 23:15:00	0.569	195.079	18.383	93	973.155	0.013	21	0	11.9
REI Met Station	7/27/2023	23:15:00 - 23:30:00	0.356	236.817	18.325	93	973.197	0.013	21.738	0	11.9
REI Met Station	7/27/2023	23:30:00 - 23:45:00	0.81	275.043	18.357	93	973.692	0.013	22.45	0	11.9
REI Met Station	7/27/2023	23:45:00 - 00:00:00	1.36	172.142	18.665	93	974.24	0.008	23.054	0	11.9
REI Met Station	7/28/2023	00:00:00 - 00:15:00	1	194.737	18.802	93	974.242	0.013	0.467	0	11.9
REI Met Station	7/28/2023	00:15:00 - 00:30:00	0.666	253.435	18.848	93	973.615	0.017	1.35	0	11.9
REI Met Station	7/28/2023	00:30:00 - 00:45:00	0.952	259.455	18.897	93	972.42	0.017	2.325	0	11.897
REI Met Station	7/28/2023	00:45:00 - 01:00:00	2.121	237.254	18.638	93	971.262	0.017	3.342	0	11.893
REI Met Station	7/28/2023	01:00:00 - 01:15:00	1.697	224.446	18.503	93	970.73	0.017	4.354	0	11.882
REI Met Station	7/28/2023	01:15:00 - 01:30:00	1.118	220.074	18.515	93	970.737	0.017	5.3	0	11.852
REI Met Station	7/28/2023	01:30:00 - 01:45:00	2.684	216.485	18.56	92.85	971.51	0.013	6.163	0	11.867
REI Met Station	7/28/2023	01:45:00 - 02:00:00	2.857	222.699	18.598	92.05	971.953	0.013	6.975	0	11.848
REI Met Station	7/28/2023	02:00:00 - 02:15:00	1.147	188.255	18.49	92	971.848	0.013	7.721	0	11.857
REI Met Station	7/28/2023	02:15:00 - 02:30:00	1.851	201.646	18.573	91.7	971.322	0.008	8.333	0	11.86
REI Met Station	7/28/2023	02:30:00 - 02:45:00	0.812	202.425	18.657	90.083	970.613	0	8.5	0	11.832
REI Met Station	7/28/2023	02:45:00 - 03:00:00	0.339	159.649	18.508	89.867	970.237	0	8.5	0	11.802
REI Met Station	7/28/2023	03:00:00 - 03:15:00	0.579	208.913	18.545	89.95	970.238	0	8.5	0	11.8
REI Met Station	7/28/2023	03:15:00 - 03:30:00	0.537	110.551	18.323	90	970.113	0	8.5	0	11.8
REI Met Station	7/28/2023	03:30:00 - 03:45:00	0.25	27.03	18.285	90.6	969.735	0	8.5	0	11.8
REI Met Station	7/28/2023	03:45:00 - 04:00:00	0.383	65.576	18.252	90.75	969.825	0	8.5	0	11.8
REI Met Station	7/28/2023	04:00:00 - 04:15:00	0.282	108.29	18.325	91	969.71	0	8.5	0	11.8
REI Met Station	7/28/2023	04:15:00 - 04:30:00	0.108	173.19	18.22	91.05	970.133	0	8.5	0	11.8
REI Met Station	7/28/2023	04:30:00 - 04:45:00	0.151	87.441	18.3	91.65	970.44	0	8.5	0	11.8
REI Met Station	7/28/2023	04:45:00 - 05:00:00	0.314	61.796	18.257	91.167	970.387	0	8.5	0	11.8
REI Met Station	7/28/2023	05:00:00 - 05:15:00	0.62	140.145	18.2	91.217	970.58	0	8.5	0	11.8
REI Met Station	7/28/2023	05:15:00 - 05:30:00	0.326	117.513	18.115	91	970.973	0	8.5	0	11.8
REI Met Station	7/28/2023	05:30:00 - 05:45:00	0.566	87.622	18.103	91.933	971.015	0	8.5	0.083	11.8
REI Met Station	7/28/2023	05:45:00 - 06:00:00	0.368	133.067	18.247	92	971.103	0	8.5	0	11.8
REI Met Station	7/28/2023	06:00:00 - 06:15:00	0.416	112.026	18.3	92	970.96	0	8.5	0	11.8
REI Met Station	7/28/2023	06:15:00 - 06:30:00	0.367	94.149	18.322	92	970.867	0	8.5	0	11.8
REI Met Station	7/28/2023	06:30:00 - 06:45:00	0.339	129.305	18.22	92	971.12	0	8.5	0	11.8
REI Met Station	7/28/2023	06:45:00 - 07:00:00	0.595	66.292	18.263	92	971.087	0	8.5	0	11.8
REI Met Station	7/28/2023	07:00:00 - 07:15:00	0.602	98.623	18.023	92	971.143	0	8.5	0	11.8
REI Met Station	7/28/2023	07:15:00 - 07:30:00	0.443	108.513	18.005	92	971.435	0	8.5	0	11.8
REI Met Station	7/28/2023	07:30:00 - 07:45:00	0.344	148.633	18.177	92	971.723	0	8.5	0	11.8
REI Met Station	7/28/2023	07:45:00 - 08:00:00	0.233	48.394	18.26	91.167	971.943	0	8.5	0	11.8
REI Met Station	7/28/2023	08:00:00 - 08:15:00	0.399	64.803	18.473	91	972.022	0	8.5	0	11.853
REI Met Station	7/28/2023	08:15:00 - 08:30:00	0.1	40.036	18.89	90.817	972.288	0	8.5	0.083	11.897
REI Met Station	7/28/2023	08:30:00 - 08:45:00	0.624	202.127	19.202	89.683	972.522	0	8.5	0	11.892
REI Met Station	7/28/2023	08:45:00 - 09:00:00	0.439	219.134	19.312	89	972.658	0	8.5	0.083	11.873
REI Met Station	7/28/2023	09:00:00 - 09:15:00	0.296	335.88	19.6	88.583	972.68	0	8.5	0	11.927
REI Met Station	7/28/2023	09:15:00 - 09:30:00	0.321	52.688	19.833	87.117	972.228	0	8.5	0.083	11.972
REI Met Station	7/28/2023	09:30:00 - 09:45:00	0.434	13.637	19.89	86.75	972.403	0	8.5	0	11.998
REI Met Station	7/28/2023	09:45:00 - 10:00:00	0.252	9.968	20.315	85.733	972.595	0	8.5	0	12.048
REI Met Station	7/28/2023	10:00:00 - 10:15:00	0.319	25.568	20.953	83.927	972.753	0.005	8.568	0	12.167

APPENDIX F

MARATHON COUNTY LANDFILL – SCALE TICKET SUMMARY



Landfill Scale Ticket Summary
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Disposal Location: Marathon County Landfill

Date	Hauler	Truck Number	Scale Ticket	Net Weight (tons)
7/17/2023	Peterson	407	161874	12.20
7/17/2023	Peterson	409	161886	15.55
7/17/2023	PGA	297	161881	22.16
7/17/2023	Peterson	407	161902	17.42
7/17/2023	Peterson	409	161909	20.51
7/17/2023	PGA	297	161908	22.74
7/17/2023	Peterson	407	161929	24.60
7/17/2023	Peterson	409	161934	21.42
7/17/2023	PGA	297	161932	22.31
7/17/2023	Peterson	407	161955	18.75
7/17/2023	Peterson	409	161960	24.71
7/17/2023	PGA	297	161961	22.33
7/17/2023	Peterson	407	161986	17.25
7/17/2023	Peterson	409	161987	18.94
7/17/2023	PGA	297	161990	24.64
7/17/2023	Peterson	407	162007	19.17
7/17/2023	Peterson	409	162009	22.85
7/17/2023	PGA	297	162015	22.29
7/18/2023	Peterson	407	162023	20.84
7/18/2023	Peterson	409	162024	23.29
7/18/2023	PGA	297	162027	26.34
7/18/2023	Peterson	403	162038	25.68
7/18/2023	Peterson	407	162042	23.37
7/18/2023	Peterson	409	162040	25.51
7/18/2023	PGA	297	162044	26.05
7/18/2023	Peterson	403	162051	23.81
7/18/2023	Peterson	409	162052	22.84
7/18/2023	Peterson	407	162054	21.76
7/18/2023	PGA	297	162058	28.40
7/18/2023	Peterson	403	162074	24.12
7/18/2023	Peterson	409	162075	22.68
7/18/2023	Peterson	407	162079	19.00
7/18/2023	Peterson	403	162093	21.04
7/18/2023	PGA	297	162110	26.08
7/18/2023	Peterson	409	162098	24.17
7/18/2023	Peterson	407	162101	19.55
7/18/2023	Peterson	403	162123	19.03
7/18/2023	Peterson	409	162124	19.03
7/18/2023	Peterson	407	162127	20.62
7/18/2023	PGA	297	162139	21.24
7/18/2023	Peterson	403	162147	20.15
7/18/2023	Peterson	409	162149	19.37
7/18/2023	Peterson	407	162151	15.85
7/18/2023	PGA	297	162160	22.50
7/18/2023	Peterson	403	162173	24.82
7/18/2023	Peterson	409	162177	22.14
7/18/2023	Peterson	407	162179	17.49

Landfill Scale Ticket Summary
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Disposal Location: Marathon County Landfill

Date	Hauler	Truck Number	Scale Ticket	Net Weight (tons)
7/19/2023	Peterson	409	162187	17.16
7/19/2023	Peterson	407	162188	20.80
7/19/2023	Peterson	403	162237	17.97
7/19/2023	Peterson	409	162241	25.93
7/19/2023	Peterson	407	162246	17.06
7/19/2023	PGA	297	162251	23.78
7/19/2023	Peterson	403	162260	21.11
7/19/2023	Peterson	409	162266	18.26
7/19/2023	Peterson	407	162272	16.72
7/19/2023	PGA	297	162274	22.21
7/19/2023	Peterson	403	162285	23.79
7/19/2023	Peterson	409	162288	26.09
7/19/2023	Peterson	407	162293	25.38
7/19/2023	PGA	297	162295	23.44
7/19/2023	Peterson	403	162306	20.30
7/19/2023	Peterson	409	162311	19.54
7/19/2023	Peterson	407	162315	21.64
7/19/2023	PGA	297	162316	25.06
7/19/2023	Peterson	403	162327	22.29
7/19/2023	Peterson	409	162328	19.37
7/19/2023	Peterson	407	162330	18.73
7/19/2023	PGA	297	162337	21.96
7/20/2023	Peterson	409	162449	23.07
7/20/2023	Peterson	407	162456	20.50
7/20/2023	Peterson	409	162474	19.70
7/20/2023	Peterson	407	162477	15.49
7/20/2023	Peterson	409	162491	22.30
7/20/2023	Peterson	407	162495	17.98
7/20/2023	Peterson	409	162508	20.67
7/21/2023	Peterson	409	162526	25.73
7/21/2023	PGA	297	162533	24.63
7/21/2023	Peterson	409	162542	19.98
7/21/2023	PGA	297	162553	20.49
7/21/2023	Peterson	409	162561	20.85
7/21/2023	PGA	297	162569	22.73
7/21/2023	Peterson	409	162581	21.39
7/21/2023	PGA	297	162599	26.53
7/21/2023	PGA	297	162623	19.90
10/12/2023	REI	56	172492	1.89
			86	1,829.03

APPENDIX G

LABORATORY ANALYTICAL REPORTS





August 29, 2023

Matt Michalski
REI

,

RE: Project: 9073 RIVERSIDE RAIL CORRIDOR
Pace Project No.: 40265603

Dear Matt Michalski:

Enclosed are the analytical results for sample(s) received by the laboratory on July 25, 2023. 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.

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

- Pace Analytical Services - Minneapolis

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

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Basten".

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kaylin Felix, REI



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW
Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

GMP+ Certification #: GMP050884

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification (A2LA) #: R-036

North Dakota Certification (MN) #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40265603001	S19	Solid	07/18/23 11:10	07/25/23 08:05
40265603002	S20	Solid	07/18/23 12:40	07/25/23 08:05
40265603003	S21	Solid	07/18/23 14:25	07/25/23 08:05
40265603004	S22	Solid	07/18/23 14:30	07/25/23 08:05
40265603005	S23	Solid	07/18/23 14:53	07/25/23 08:05
40265603006	S24	Solid	07/18/23 15:20	07/25/23 08:05
40265603007	S25	Solid	07/18/23 15:25	07/25/23 08:05
40265603008	S26	Solid	07/18/23 16:00	07/25/23 08:05
40265603009	S27	Solid	07/18/23 16:12	07/25/23 08:05
40265603010	S28	Solid	07/19/23 10:05	07/25/23 08:05
40265603011	S29	Solid	07/19/23 10:12	07/25/23 08:05
40265603012	S30	Solid	07/19/23 10:35	07/25/23 08:05
40265603013	S31	Solid	07/19/23 10:38	07/25/23 08:05
40265603014	S32	Solid	07/19/23 10:56	07/25/23 08:05
40265603015	S33	Solid	07/19/23 11:02	07/25/23 08:05
40265603016	S34	Solid	07/19/23 12:04	07/25/23 08:05
40265603017	S35	Solid	07/19/23 12:10	07/25/23 08:05
40265603018	S36	Solid	07/19/23 15:04	07/25/23 08:05
40265603019	S37	Solid	07/19/23 15:08	07/25/23 08:05
40265603020	S38	Solid	07/19/23 15:11	07/25/23 08:05
40265603021	S39	Solid	07/19/23 15:45	07/25/23 08:05
40265603022	S40	Solid	07/19/23 15:51	07/25/23 08:05
40265603023	S41	Solid	07/20/23 12:20	07/25/23 08:05
40265603024	S42	Solid	07/20/23 14:54	07/25/23 08:05
40265603025	S43	Solid	07/21/23 09:46	07/25/23 08:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40265603001	S19	ASTM D2974	JDL	1	PASI-M
40265603002	S20	ASTM D2974	JDL	1	PASI-M
40265603003	S21	ASTM D2974	JDL	1	PASI-M
40265603004	S22	ASTM D2974	JDL	1	PASI-M
40265603005	S23	ASTM D2974	JDL	1	PASI-M
40265603006	S24	ASTM D2974	JDL	1	PASI-M
40265603007	S25	ASTM D2974	JDL	1	PASI-M
40265603008	S26	ASTM D2974	JDL	1	PASI-M
40265603009	S27	ASTM D2974	JDL	1	PASI-M
40265603010	S28	ASTM D2974	JDL	1	PASI-M
40265603011	S29	ASTM D2974	JDL	1	PASI-M
40265603012	S30	ASTM D2974	JDL	1	PASI-M
40265603013	S31	ASTM D2974	JDL	1	PASI-M
40265603014	S32	ASTM D2974	JDL	1	PASI-M
40265603015	S33	ASTM D2974	JDL	1	PASI-M
40265603016	S34	ASTM D2974	JDL	1	PASI-M
40265603017	S35	ASTM D2974	JDL	1	PASI-M
40265603018	S36	ASTM D2974	JDL	1	PASI-M
40265603019	S37	ASTM D2974	JDL	1	PASI-M
40265603020	S38	ASTM D2974	JDL	1	PASI-M
40265603021	S39	ASTM D2974	JDL	1	PASI-M
40265603022	S40	ASTM D2974	JDL	1	PASI-M
40265603023	S41	ASTM D2974	JDL	1	PASI-M
40265603024	S42	ASTM D2974	JDL	1	PASI-M
40265603025	S43	ASTM D2974	JDL	1	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S19 Lab ID: 40265603001 Collected: 07/18/23 11:10 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	1.8	%	0.10	0.10	1		08/16/23 11:11		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S20 Lab ID: 40265603002 Collected: 07/18/23 12:40 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	8.2	%	0.10	0.10	1		08/16/23 11:11		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S21 Lab ID: 40265603003 Collected: 07/18/23 14:25 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	6.8	%	0.10	0.10	1		08/16/23 11:12		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S22 Lab ID: 40265603004 Collected: 07/18/23 14:30 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	4.2	%	0.10	0.10	1		08/16/23 11:12		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S23 Lab ID: 40265603005 Collected: 07/18/23 14:53 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	3.8	%	0.10	0.10	1		08/16/23 11:12		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S24 Lab ID: 40265603006 Collected: 07/18/23 15:20 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	3.4	%	0.10	0.10	1		08/16/23 11:12		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S25 Lab ID: 40265603007 Collected: 07/18/23 15:25 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	6.5	%	0.10	0.10	1		08/16/23 11:13		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S26 Lab ID: 40265603008 Collected: 07/18/23 16:00 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	7.5	%	0.10	0.10	1		08/16/23 11:13		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S27 Lab ID: 40265603009 Collected: 07/18/23 16:12 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	4.9	%	0.10	0.10	1		08/16/23 11:13		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S28 Lab ID: 40265603010 Collected: 07/19/23 10:05 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	1.4	%	0.10	0.10	1		08/16/23 11:13		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S29 Lab ID: 40265603011 Collected: 07/19/23 10:12 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	4.8	%	0.10	0.10	1		08/16/23 11:14		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S30 Lab ID: 40265603012 Collected: 07/19/23 10:35 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	5.3	%	0.10	0.10	1		08/16/23 11:14		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S31 Lab ID: 40265603013 Collected: 07/19/23 10:38 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	4.6	%	0.10	0.10	1		08/16/23 11:14		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S32 Lab ID: 40265603014 Collected: 07/19/23 10:56 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	2.4	%	0.10	0.10	1		08/16/23 11:14		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S33 Lab ID: 40265603015 Collected: 07/19/23 11:02 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	6.8	%	0.10	0.10	1		08/16/23 11:15		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S34 Lab ID: 40265603016 Collected: 07/19/23 12:04 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	10.1	%	0.10	0.10	1		08/16/23 11:15		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S35 Lab ID: 40265603017 Collected: 07/19/23 12:10 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	3.6	%	0.10	0.10	1		08/16/23 11:15		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S36 Lab ID: 40265603018 Collected: 07/19/23 15:04 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	13.3	%	0.10	0.10	1		08/16/23 11:15		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S37 Lab ID: 40265603019 Collected: 07/19/23 15:08 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	9.4	%	0.10	0.10	1		08/16/23 11:16		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S38 Lab ID: 40265603020 Collected: 07/19/23 15:11 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	7.8	%	0.10	0.10	1		08/16/23 11:16		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S39 Lab ID: 40265603021 Collected: 07/19/23 15:45 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	6.9	%	0.10	0.10	1		08/16/23 14:30		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S40 Lab ID: 40265603022 Collected: 07/19/23 15:51 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	5.7	%	0.10	0.10	1		08/16/23 14:30		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S41 Lab ID: 40265603023 Collected: 07/20/23 12:20 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	1.7	%	0.10	0.10	1		08/16/23 14:30		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S42 Lab ID: 40265603024 Collected: 07/20/23 14:54 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	6.9	%	0.10	0.10	1		08/16/23 14:31		N2

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ANALYTICAL RESULTS

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Sample: S43 Lab ID: 40265603025 Collected: 07/21/23 09:46 Received: 07/25/23 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	5.3	%	0.10	0.10	1		08/16/23 14:31		N2

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QUALITY CONTROL DATA

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

QC Batch:	900394	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight / %M by ASTM D2974
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	40265603001, 40265603002, 40265603003, 40265603004, 40265603005, 40265603006, 40265603007, 40265603008, 40265603009, 40265603010, 40265603011, 40265603012, 40265603013, 40265603014, 40265603015, 40265603016, 40265603017, 40265603018, 40265603019, 40265603020		

SAMPLE DUPLICATE: 4742616

Parameter	Units	40265603002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.2	8.0	3	30	N2

SAMPLE DUPLICATE: 4742617

Parameter	Units	40265603018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.3	13.5	1	30	N2

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

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QUALITY CONTROL DATA

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

QC Batch: 900396

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight / %M by ASTM D2974

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 40265603021, 40265603022, 40265603023, 40265603024, 40265603025

SAMPLE DUPLICATE: 4743125

Parameter	Units	10664896004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.3	20.7	2	30	N2

SAMPLE DUPLICATE: 4743126

Parameter	Units	10664295014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.4	3.4	1	30	N2

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

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QUALIFIERS

Project: 9073 RIVERSIDE RAIL CORRIDOR
Pace Project No.: 40265603

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor, 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 - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 9073 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40265603

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265603001	S19	ASTM D2974	900394		
40265603002	S20	ASTM D2974	900394		
40265603003	S21	ASTM D2974	900394		
40265603004	S22	ASTM D2974	900394		
40265603005	S23	ASTM D2974	900394		
40265603006	S24	ASTM D2974	900394		
40265603007	S25	ASTM D2974	900394		
40265603008	S26	ASTM D2974	900394		
40265603009	S27	ASTM D2974	900394		
40265603010	S28	ASTM D2974	900394		
40265603011	S29	ASTM D2974	900394		
40265603012	S30	ASTM D2974	900394		
40265603013	S31	ASTM D2974	900394		
40265603014	S32	ASTM D2974	900394		
40265603015	S33	ASTM D2974	900394		
40265603016	S34	ASTM D2974	900394		
40265603017	S35	ASTM D2974	900394		
40265603018	S36	ASTM D2974	900394		
40265603019	S37	ASTM D2974	900394		
40265603020	S38	ASTM D2974	900394		
40265603021	S39	ASTM D2974	900396		
40265603022	S40	ASTM D2974	900396		
40265603023	S41	ASTM D2974	900396		
40265603024	S42	ASTM D2974	900396		
40265603025	S43	ASTM D2974	900396		

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CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields										LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-In Number Here 40265603 ALL SHADED AREAS are for LAB USE ONLY																
Company: REI Engineering, Inc					Billing Information: REI Engineering, Inc					Container Preservative Type ** u u Lab Project Manager: ** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other																
Address: 4080 N 20th Ave, Wausau, WI					Email To: MMichalski@REIengineering.com																					
Report To: Matthew C Michalski					Site Collection Info/Address: 132 River Street					Analyses																
Copy To:					State: WI County/City: Wausau Time Zone Collected: MT					Lab Profile/Line:																
Customer Project Name/Number: Riverside Rail Corridor 19073					State: WI County/City: Wausau Time Zone Collected: MT					Lab Sample Receipt Checklist:																
Phone: 7157677-9784					Site/Facility ID #: 02-37-584785					Custody Seals Present/Intact Y N NA																
Email: MMichalski@REIengineering.com					Compliance Monitoring? [] Yes [X] No					Custody Signatures Present Y N NA																
Collected By (print): Matthew C Michalski					Purchase Order #: Quote #:					Collector Signature Present Y N NA																
Collected By (signature): [Signature]					Turnaround Date Required: Normal					Bottles Intact Y N NA																
Sample Disposal: [X] Dispose as appropriate [] Return [] Archive: [] Hold:					Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)					Correct Bottles Y N NA																
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)					Field Filtered (if applicable): [X] Yes [] No					Sufficient Volume Y N NA																
Customer Sample ID					Matrix *		Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Dioxin/Furans (Tetra - Octa 17)	Dry weight	Samples Received on Ice Y N NA										
S19					SL		G	7/18/23 11:10					3	X	X	VOA - Headspace Acceptable Y N NA										
S20								12:40								USDA Regulated Solids Y N NA										
S21								14:25								Samples in Holding Time Y N NA										
S22								14:30								Residual Chlorine Present Y N NA										
S23								14:53								Cl Strips Y N NA										
S24								15:20								Sample pH Acceptable Y N NA										
S25								15:25								pH Strips Y N NA										
S26								16:00								Sulfide Present Y N NA										
S27								16:12								Lead Acetate Strips Y N NA										
S28								7/19/23 10:05									LAB USE ONLY: Lab Sample # Comments:									
Customer Remarks / Special Conditions / Possible Hazards:										Type of Ice Used: Wet Blue Dry None					SHORT HOLDS PRESENT (<72 hours): Y N N/A					Lab Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#: _____ Cooler 1 Temp Upon Receipt: _____ oC Cooler 1 Therm Corr. Factor: _____ oC Cooler 1 Corrected Temp: _____ oC Comments: [Signature]						
										Packing Material Used:					Lab Tracking #: 2891688											
										Radchem sample(s) screened (<500 cpm): Y N NA					Samples received via: FEDEX UPS Client Courier Pace Courier											
Relinquished by/Company: (Signature) [Signature] (PAC)					Date/Time: 7/24/2023 14:00					Received by/Company: (Signature) [Signature]					Date/Time: 7/25/23 0805					MTJL LAB USE ONLY						
Relinquished by/Company: (Signature) Walco					Date/Time: 7/25/23 0805					Received by/Company: (Signature) [Signature] pace					Date/Time: 7/25/23 0805					Table #:						
Relinquished by/Company: (Signature)					Date/Time:					Received by/Company: (Signature)					Date/Time:					Acctnum:						
																				Template:						
																				Prelogin:						
																				PM:						
																				PB:						
																				Trip Blank Received: Y N NA						
																				HCL MeOH TSP Other						
																				Non Conformance(s): YES / NO						
																				Page 34 of 39						
																				of: 3						

CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields										LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here 40265603																			
Company: REI Engineering Inc					Billing Information: REI Engineering Inc					ALL SHADED AREAS are for LAB USE ONLY																			
Address: 4050 N 20th Ave, Waukegan, WI 54601										Container Preservative Type **					Lab Project Manager:														
Report To: Matthew C Michalski					Email To: mmichalski@reieng.com					** Preservative Types. (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other																			
Copy To:					Site Collection Info/Address: 172 River St					Analyses					Lab Profile/Line:														
Customer Project Name/Number: Riverside Rail Corridor					State: WI County/City: Waukegan Time Zone Collected: [] PT [] MT [] CT [] ET					Lab Sample Receipt Checklist:																			
Phone: (715) 625-4784					Site/Facility ID #: 02-37584785					Compliance Monitoring? [] Yes [X] No					Custody Seals Present/Intact Y N NA Custody Signatures Present Y N NA Collector Signature Present Y N NA Bottles Intact Y N NA Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Ice Y N NA VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA Samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips: Y N NA Sample pH Acceptable Y N NA pH Strips: Y N NA Sulfide Present Y N NA Lead Acetate Strips: Y N NA LAB USE ONLY: Lab Sample # / Comments:														
Email: mmichalski@reieng.com					Purchase Order #: 02-37584785					DW PWS ID #:																			
Collected By (print): Matthew C Michalski					Quote #:					DW Location Code:																			
Collected By (signature): [Signature]					Turnaround Date Required: None					Immediately Packed on Ice: [X] Yes [] No																			
Sample Disposal: [X] Dispose as appropriate [] Return					Rush: [] Same Day [] Next Day					Field Filtered (if applicable): [] Yes [X] No																			
[] Archive: [] Hold:					[] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)					Analysis:																			
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)																													
Customer Sample ID		Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns																				
				Date	Time	Date	Time																						
S29		SL	G	7/19/23	10:19				3																				
S30					10:25																								
S31					10:38																								
S32					10:56																								
S33					11:02																								
S34					12:04																								
S35					12:10																								
S36					15:04																								
S37					15:08																								
S38					15:11																								
Customer Remarks / Special Conditions / Possible Hazards:										Type of Ice Used: Wet Blue Dry None					SHORT HOLDS PRESENT (<72 hours): Y N N/A					Lab Sample Temperature Info:									
										Packing Material Used:					Lab Tracking #: 2891687					Temp Blank Received: Y N NA									
										Radchem sample(s) screened (<500 cpm): Y N NA					Samples received via: FEDEX UPS Client Courier Pace Courier					Therm ID#: Cooler 1 Temp Upon Receipt: oC									
Relinquished by/Company: (Signature) [Signature]										Date/Time: 7/24/2023 14:00					Received by/Company: (Signature) [Signature]					Date/Time: 7/25/23 0805					Cooler 1 Therm Corr. Factor: oC				
Relinquished by/Company: (Signature) Waltco										Date/Time: 7/25/23 0805					Received by/Company: (Signature) [Signature]					Date/Time: 7/25/23 0805					Cooler 1 Corrected Temp: oC				
Relinquished by/Company: (Signature)										Date/Time:					Received by/Company: (Signature)					Date/Time:					Comments:				
																				MTJL LAB USE ONLY					Trip Blank Received: Y N NA				
																									HCL MeOH TSP Other				
																									Non Conformance(s): YES / NO				
																									Page 35 of 39				
																									of: 3				

CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields										LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here 40265603 ALL SHADED AREAS are for LAB USE ONLY									
Company: RGI Engineering Inc					Billing Information: RGI Engineering Inc					Container Preservative Type **					Lab Project Manager:				
Address: 4040 N 20th Ave, Wauwatosa, WI 53440					Report To: Matthew C Michelski					Email To: mmichelski@rgiengineering.com					** Preservative Types. (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other				
Copy To:					Site Collection Info/Address: 1322 River St					Analyses					Lab Profile/Line:				
Customer Project Name/Number: Riverside Rail Corridor					State: WI County/City: Menasha Time Zone Collected: [] PT [] MT [] CT [] ET					Diana / Russ (Feb-03, 17) My right-					Lab Sample Receipt Checklist:				
Phone: 7151675-9784					Site/Facility ID #: 02-37-584785										Custody Seals Present/Intact Y N NA				
Email: mmichelski@rgiengineering.com					Compliance Monitoring? [] Yes [X] No										Custody Signatures Present Y N NA				
Collected By (print): Matthew C Michelski					Purchase Order #: Quote #:										Collector Signature Present Y N NA				
Collected By (signature): [Signature]					Turnaround Date Required: Normal										Bottles Intact Y N NA				
Sample Disposal: [X] Dispose as appropriate [] Return [] Archive: [] Hold:					Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)					Correct Bottles Y N NA									
Field Filtered (if applicable): [] Yes [X] No					Immediately Packed on Ice: [X] Yes [] No					Sufficient Volume Y N NA									
Analysis:										Samples Received on Ice Y N NA									
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)										VOA - Headspace Acceptable Y N NA									
Customer Sample ID		Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	021 022 023 024 025									
S39		SL	G	7/15/23 15:45					3										
S40		↓	↓	↓ 15:51					↓										
S41		↓	↓	7/20/23 12:30					↓										
S42		↓	↓	↓ 14:54					↓										
S43		↓	↓	7/21/23 9:46					↓										
Customer Remarks / Special Conditions / Possible Hazards:										Type of Ice Used: Wet Blue Dry None					SHORT HOLDS PRESENT (<72 hours): Y N N/A				
										Packing Material Used:					Lab Tracking #: 2891689				
										Radchem sample(s) screened (<500 cpm): Y N NA					Samples received via: FEDEX UPS Client Courier Pace Courier				
Relinquished by/Company: (Signature)			Date/Time: 7/24/2023 14:00		Received by/Company: (Signature)			Date/Time:		MTJL LAB USE ONLY									
Relinquished by/Company: (Signature) Walter			Date/Time: 7/25/23 0805		Received by/Company: (Signature) [Signature]			Date/Time: 7/25/23 0805		Table #:									
Relinquished by/Company: (Signature)			Date/Time:		Received by/Company: (Signature)			Date/Time:		Acctnum:									
										Template:									
										Prelogin:									
										PM:									
										PB:									
										Trip Blank Received: Y N NA									
										HCL MeOH TSP Other									
										Non Conformance(s): YES / NO									
										Page 36 of 39									

Effective Date: 8/16/2022

Client Name: REI

Sample Preservation Receipt Form

Project # 40265603☐ Yes ☐ No ☒ N/A

All containers needing preservation have been checked and noted below.

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when
completedDate/
Time.

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	JG9U	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1								GN 2
001																				2			---											2.5 / 5
002																				2			---											2.5 / 5
003																				2			---											2.5 / 5
004																				2			---											2.5 / 5
005																				2			---											2.5 / 5
006																				2			---											2.5 / 5
007																				2			---											2.5 / 5
008																				2			---											2.5 / 5
009																				2			---											2.5 / 5
010																				2			---											2.5 / 5
011																				2			---											2.5 / 5
012																				2			---											2.5 / 5
013																				2			---											2.5 / 5
014																				2			---											2.5 / 5
015																				2			---											2.5 / 5
016																				2			---											2.5 / 5
017																				2			---											2.5 / 5
018																				2			---											2.5 / 5
019																				2			---											2.5 / 5
020																				2			---											2.5 / 5

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	JG9U	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	WG9U	4 oz clear jar unpres
AG4S	125 mL amber glass H ₂ SO ₄	BP3N	250 mL plastic HNO ₃	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H ₂ SO ₄	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H ₂ SO ₄	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 3

Effective Date: 8/16/2022

Client Name: REISample Preservation Receipt Form
Project #: 40265603

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	JG9U	JG9U	WG9U	WP9U	SP5T							
021																				2											2.5 / 5
022																				2											2.5 / 5
023																				2											2.5 / 5
024																				2											2.5 / 5
025																				2											2.5 / 5
026																															2.5 / 5
027																															2.5 / 5
028																															2.5 / 5
029																															2.5 / 5
030																															2.5 / 5
031																															2.5 / 5
032																															2.5 / 5
033																															2.5 / 5
034																															2.5 / 5
035																															2.5 / 5
036																															2.5 / 5
037																															2.5 / 5
038																															2.5 / 5
039																															2.5 / 5
040																															2.5 / 5
041																															2.5 / 5
042																															2.5 / 5
043																															2.5 / 5
044																															2.5 / 5
045																															2.5 / 5
046																															2.5 / 5
047																															2.5 / 5
048																															2.5 / 5

7/25/23 *NA*

Page 2 of 3

Sample Condition Upon Receipt Form (SCUR)

Client Name: REI

Project #:

WO#: 40265603



Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Walto
☐ Client ☐ Pace Other:

Tracking #: 3631685-1/3631802-1

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - 134 Type of Ice: ☒ Wet ☐ Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 1.0/2.5/Corr. 1.0/2.5

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: 7/25/23 Initials: NV

Labeled By Initials: mt

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:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☐ Yes ☒ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace		
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC: <u>7/25/23 NV</u> ☒ Yes ☒ No ☐ N/A		12. "016" time differ "12:10"
-Includes date/time/ID/Analysis Matrix: <u>S</u>		<u>7/25/23 NV</u>
Trip Blank Present.	☐ Yes ☐ No ☒ N/A	13.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Page 3 of 3

Report Prepared for:

Brian Basten
PACE Wisconsin
1241 Bellevue Street
Suite 9
Green Bay WI 54302

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Prepared Date:

August 28, 2023

Report Information:

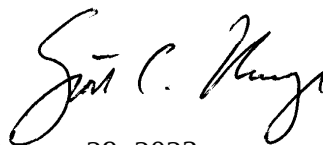
Pace Project #: 10662886
Sample Receipt Date: 07/26/2023
Client Project #: 40265603
Client Sub PO #: N/A
State Cert #: 999407970

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Scott Unze, your Pace Project Manager.

This report has been reviewed by:



August 29, 2023

Scott Unze, Project Manager
(612) 607-6383
(612) 607-6444 (fax)
scott.unze@pacelabs.com



Report of Laboratory Analysis

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

The results relate only to the samples included in this report.

DISCUSSION

This report presents the results from the analyses performed on twenty-five samples submitted by a representative of Pace Analytical Services, LLC. The samples were analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using USEPA Method 1613B. The estimated detection limits (EDLs) were based on signal-to-noise measurements. Estimated maximum possible concentration (EMPC) values were treated as positives in the toxic equivalence calculations. Method blank and field sample results with reporting limits set to correspond to the lowest calibration points and adjusted for sample amount and dilution were provided in Appendix A.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 44-108%. All of the labeled standard recoveries obtained for this project were within the target ranges specified in Method 1613B. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

Values were flagged "I" where incorrect isotope ratios were obtained or "P" where polychlorinated diphenyl ethers were present. Concentrations below the calibration range were flagged "J" and should be regarded as estimates. The values reported for 2,3,7,8-TCDF above the lowest calibration point were verified by second column confirmation analyses (flagged "V") or obtained from second column confirmation analyses (flagged "C").

A laboratory method blank was prepared and analyzed with each sample batch as part of our routine quality control procedures. The results show the blanks to contain trace levels of selected congeners. These levels were below the calibration range of the method. Sample concentrations similar to the corresponding method blank levels were flagged "B" on the results tables and may be, at least partially, attributed to the background.

Laboratory and matrix spike samples were also prepared using clean reference matrix or sample matrix that had been fortified with native standard materials. The results show that the spiked native compounds were generally recovered at 78-124% with relative percent differences of 0.1-19.5%. The background-subtracted recovery values obtained for 1,2,3,7,8-PeCDF in the matrix spike samples were above the target range and flagged "R" on the results tables. These deviations may be due to sample inhomogeneity. Matrix spikes were prepared with the remaining extraction batch using sample material from a separate project; results from these analyses will be provided upon request.

REPORT OF LABORATORY ANALYSIS

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Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Missouri	10100
Alabama	40770	Montana	CERT0092
Alaska-DW	MN00064	Nebraska	NE-OS-18-06
Alaska-UST	17-009	Nevada	MN00064
Arizona	AZ0014	New Hampshire	2081
Arkansas - WW	88-0680	New Jersey	MN002
Arkansas-DW	MN00064	New York	11647
California	2929	North Carolina-	27700
Colorado	MN00064	North Carolina-	530
Connecticut	PH-0256	North Dakota	R-036
Florida	E87605	Ohio-DW	41244
Georgia	959	Ohio-VAP (170	CL101
Hawaii	MN00064	Ohio-VAP (180	CL110
Idaho	MN00064	Oklahoma	9507
Illinois	200011	Oregon-Primary	MN300001
Indiana	C-MN-01	Oregon-Second	MN200001
Iowa	368	Pennsylvania	68-00563
Kansas	E-10167	Puerto Rico	MN00064
Kentucky-DW	90062	South Carolina	74003
Kentucky-WW	90062	Tennessee	TN02818
Louisiana-DEQ	AI-84596	Texas	T104704192
Louisiana-DW	MN00064	Utah	MN00064
Maine	MN00064	Vermont	VT-027053137
Maryland	322	Virginia	460163
Michigan	9909	Washington	C486
Minnesota	027-053-137	West Virginia-D	382
Minnesota-Ag	via MN 027-053	West Virginia-D	9952C
Minnesota-Petr	1240	Wisconsin	999407970
Mississippi	MN00064	Wyoming-UST	via A2LA 2926.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

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

Internal Transfer Chain of Custody



☒ Samples Pre-Logged into eCOC

State Of Origin: WI
Cert. Needed: ☒ Yes ☐ No

Workorder: 40265603 Workorder Name: 9073 RIVERSIDE RAIL CORRIDOR Owner Received Date: 7/25/2023 Results Requested By: 8/15/2023

Report To: **Subcontract To**

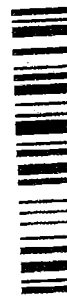
Brian Baster
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302
Phone (920)489-2436

Pace Analytical Minnesota
1700 Elm Street SE
Suite 200
Minneapolis, MN 55414
Phone (612)607-1700

Pace

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		Dioxin/Furan (17) 1613B	Requested Analysis										LAB USE ONLY
						Unpreserved	Preserved												
1	S19	PS	7/18/2023 11:10	40265603001	Solid	1		X											001
2	S20	PS	7/18/2023 12:40	40265603002	Solid	1		X											002
3	S21	PS	7/18/2023 14:25	40265603003	Solid	1		X											003
4	S22	PS	7/18/2023 14:30	40265603004	Solid	1		X											004
5	S23	PS	7/18/2023 14:53	40265603005	Solid	1		X											005
6	S24	PS	7/18/2023 15:20	40265603006	Solid	1		X											006
7	S25	PS	7/18/2023 15:25	40265603007	Solid	1		X											007
8	S26	PS	7/18/2023 16:00	40265603008	Solid	1		X											008
9	S27	PS	7/18/2023 16:12	40265603009	Solid	1		X											009
10	S28	PS	7/19/2023 10:05	40265603010	Solid	1		X											010
11	S29	PS	7/19/2023 10:12	40265603011	Solid	1		X											011
12	S30	PS	7/19/2023 10:35	40265603012	Solid	1		X											012
13	S31	PS	7/19/2023 10:38	40265603013	Solid	1		X											013
14	S32	PS	7/19/2023 10:56	40265603014	Solid	1		X											014
15	S33	PS	7/19/2023 11:02	40265603015	Solid	1		X											015
16	S34	PS	7/19/2023 12:04	40265603016	Solid	1		X											016
17	S35	PS	7/19/2023 12:10	40265603017	Solid	1		X											017
18	S36	PS	7/19/2023 15:04	40265603018	Solid	1		X											018
19	S37	PS	7/19/2023 15:08	40265603019	Solid	1		X											019

WO#: 10662886



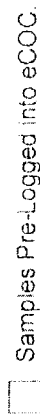
10662886

Tuesday, July 25, 2023 10:37:46 AM

FMT-ALL-C-002rev 00 24March2009

Page 1 of 1

Pace



State Of Origin: WI

Cert. Needed: ☐ Yes ☐ No

Workorder: 40265603	Owner Received Date: 7/25/2023	Results Requested By: 8/15/2023
Workorder Name: 9073 RIVERSIDE RAIL CORRIDOR		

Brian Basten
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302
Phone (920) 469-2436

Pace Analytical Minnesota
1700 Elm Street SE
Suite 200
Minneapolis MN 55414
Phone (612)607-1700

Transfers	Released By	Date/Time	Received By	Date/Time	Received on Ice	Y	or	N	Samples Intact	Y	or	N
1	<i>[Signature]</i>	7/19/2023 15:11	40265603020	Solid	1							
2		7/19/2023 15:45	40265603021	Solid	1							
3		7/19/2023 15:51	40265603022	Solid	1							
		7/20/2023 12:20	40265603023	Solid	1							
		7/20/2023 14:54	40265603024	Solid	1							
		7/21/2023 09:46	40265603025	Solid	1							

LAB USE ONLY	Dioxin/F	LAB USE ONLY
020	X	020
021	X	021
022	X	022
023	X	023
024	X	024
025	X	025

Run Dry Weight in MN
72623 1550

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information is available in the owner laboratory.

Effective Date: 4/14/2023

Sample Condition
Upon Receipt

Client Name:

Pace Green Bay

Project #:

WO#: 10662886

PM: SCU

Due Date: 08/17/23

CLIENT: PASI-WI

Courier: ☐ FedEx ☐ UPS ☐ USPS ☐ Client
☐ Pace ☐ Speedee ☒ Commercial☒ See Exceptions
ENV-FRM-MIN4-0142

Tracking Number:

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ NoBiological Tissue Frozen? ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ OtherTemp Blank? ☒ Yes ☐ NoThermometer: ☒ T1 (0461) ☐ T2 (0436) ☐ T3 (0459) ☐ T4 (0402) ☐ T5 (0178)
☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252/1710Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None
☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☒ No	Were All Container Temps Taken? ☐ Yes ☐ No ☒ N/A
Temp should be above freezing to 6 °C	Average Corrected Temp (no temp blank only): _____ °C
Correction Factor: <u>-0.1</u>	☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container
Cooler temp Read w/Temp Blank: <u>11/10</u> °C	Cooler Temp Corrected w/temp blank: <u>1.0/0.9</u> °C

USDA Regulated Soil: ☐ N/A, water sample/other: _____Date/Initials of Person Examining Contents: EC7-2623Did samples originate in a quarantine zone within the United States: AL, AR, AZ CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check maps)? ☐ Yes ☒ NoDid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

Location (Check one): ☐ Duluth ☒ Minneapolis ☐ Virginia	COMMENTS
Chain of Custody Present and Filled Out? ☒ Yes ☐ No	1.
Chain of Custody Relinquished? ☒ Yes ☐ No	2.
Sampler Name and/or Signature on COC? ☐ Yes ☐ No ☒ N/A	3.
Samples Arrived within Hold Time? ☒ Yes ☐ No	4. If fecal: ☐ <8 hrs ☐ >8 hr, <24 ☐ No
Short Hold Time Analysis (<72 hr)? ☐ Yes ☒ No	5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrom ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other
Rush Turn Around Time Requested? ☐ Yes ☒ No	6.
Sufficient Sample Volume? ☒ Yes ☐ No	7.
Correct Containers Used? ☒ Yes ☐ No ☐ N/A	8.
-Pace Containers Used? ☒ Yes ☐ No	9.
Containers Intact? ☒ Yes ☐ No	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Field Filtered Volume Received for Dissolved Tests? ☒ Yes ☐ No	11. If no, write ID/Date/Time of container below: ☐ See Exceptions ENV-FRM-MIN4-0142
Is sufficient information available to reconcile the samples to the COC? Matrix: ☐ Water ☒ Soil ☐ Oil ☐ Other	12. Sample # ☐ NaOH ☐ HNO3 ☐ H2SO4 ☐ Zinc Acetate
All containers needing acid/base preservation have been checked? ☐ Yes ☐ No ☒ N/A	Positive for Residual Chlorine? ☐ Yes ☐ No ☐ See Exceptions ENV-FRM-MIN4-0142
All containers needing preservation are found to be in compliance with EPA recommendation? ☐ Yes ☐ No ☒ N/A (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH >10 Cyanide)	pH Paper Lot #
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks--verify with PM first.)	Residual Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Headspace in Methyl Mercury Container? ☐ Yes ☐ No ☒ N/A	13.
Extra labels present on soil VOA or WIDRO containers? ☐ Yes ☐ No ☒ N/A	14. ☐ See Exceptions ENV-FRM-MIN4-0142
Headspace in VOA Vials (greater than 6mm)? ☐ Yes ☐ No ☒ N/A	15.
3 Trip Blanks Present? ☐ Yes ☐ No ☒ N/A	Pace Trip Blank Lot # (if purchased): _____
Trip Blank Custody Seals Present? ☐ Yes ☐ No ☒ N/A	

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____

Date: 07/27/23

NOTE: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHHS Certification Office (i.e., out of hold, incorrect preservation, out of temp, incorrect containers).

Labeled By: HBLine: 2

	DC#_Title: ENV-FRM-MIN4-0142 v02_Sample Condition Upon Receipt (SCUR) Exception Form	
	Effective Date: 09/22/2022	

Workorder #: _____

No Temp Blank		
Read Temp	Corrected Temp	Average temp

PM Notified of Out of Temp Cooler? ☐ Yes ☐ No If yes, indicate who was contacted, date and time. If no, indicate reason why.
Multiple Cooler Project? ☐ Yes ☐ No

If anything is OVER 6.0° C, you MUST document containers in this section HERE



Tracking Number	Temperature
3633268-1	1.0
3633268-2	0.9

Out of Temp Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples										
Sample ID	Type Of Preserve	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance After Addition?		Initials
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	

Comments:

Sample Preservation Receipt Form

Client Name: REI Project # 40265603
All containers needing preservation have been checked and noted below: ☒ Yes ☐ No
Lab Lot# of pH paper: N/A Lab Std #ID of preservation (if pH adjusted): N/A

Initial when completed: _____
Date/Time: _____

Page 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	JG9U	WG9U								WP9U	SP5T	ZPLC	GN 1	GN 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Exceptions to preservation check: VOA, Coliform, TOC, TOX, O&G, WI DRO, Phenolics, Other: _____

Headspace in VOA Vials (>6mm): ☐ Yes ☒ No N/A *If yes look in headspace column

Glass		Plastic		Vials		Jars		General		VOA Vials (>6mm)		Headspace in VOA Vials (>6mm)		If yes look in headspace column	
AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JG9U	4 oz amber jar unpres	SP5T	4 oz clear jar unpres	GN 1	4 oz clear jar unpres	Yes	No	N/A	N/A
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL clear vial unpres	WG9U	9 oz amber jar unpres	ZPLC	4 oz clear jar unpres	GN 2	4 oz clear jar unpres				
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WP9U	4 oz clear jar unpres								
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL										
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH										
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI										
BG3U	250 mL clear glass unpres														

Client Name: REI Sample Preservation Receipt Form
Project #: 40265603

Place Lab #	Glass	Plastic	Vials	Jars	General	VOA Vials (>6mm) *	H2SO4 pH <2	NaOH+Zn Ac pH <9	NaOH pH >12	HNO3 pH <2	pH after adjusted	Volume (mL)
021	AG1U	BP1U	VG9C	JG9U	SP5T							2.5/5
022	AG2S	BP2Z	VG9D	WG9U	GN 1							2.5/5
023	AG5U	BP3S	VG9M		ZPLC							2.5/5
024	AG4S	BP3N	VG9H									2.5/5
025	AG1H	BP3B	VG9U									2.5/5
026	BG1U	BP3U	DG9T	JG9U								2.5/5
027		BP1U	VG9C									2.5/5
028		BP3U	VG9M									2.5/5
029		BP3B	VG9H									2.5/5
030		BP3N	VG9U									2.5/5
031		BP2Z	DG9T									2.5/5
032		BP3S	VG9C									2.5/5
033		BP3U	VG9M									2.5/5
034		BP1U	VG9H									2.5/5
035		BP3U	VG9U									2.5/5
036		BP3B	DG9T									2.5/5
037		BP3N	VG9C									2.5/5
038		BP2Z	VG9M									2.5/5
039		BP3S	VG9H									2.5/5
040		BP3U	VG9U									2.5/5
041		BP1U	DG9T									2.5/5
042		BP3U	VG9C									2.5/5
043		BP3B	VG9M									2.5/5
044		BP3N	VG9H									2.5/5
045		BP2Z	VG9U									2.5/5
046		BP3S	DG9T									2.5/5
047		BP3U	VG9C									2.5/5
048		BP1U	VG9M									2.5/5

7/25/23 AX

Sample Condition Upon Receipt Form (SCUR)

Client Name: REI Project #: WO#: 40265603
Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Walto
☐ Client ☐ Pace Other: _____
Tracking #: 3631685-1/3631802-1
Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no
Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no
Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____
Thermometer Used SR - 134 Type of Ice: Wet Blue Dry None ☐ Meltwater Only
Cooler Temperature Uncorr: 1.0/2.5 Corr: 1.0/2.5
Temp Blank Present: ☒ yes ☐ no Biological Tissue is Frozen: ☐ yes ☐ no

Person examining contents:
Date: _____ /Initials: _____
Labeled By Initials: _____
Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

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:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☐ Yes ☒ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace		
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	13.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKGD	Matrix	Solid
Lab Sample ID	BLANK-107666	Dilution	NA
Filename	U230811B_05	Extracted	08/07/2023 15:55
Total Amount Extracted	10.0 g	Analyzed	08/11/2023 19:16
ICAL ID	U230726	Injected By	JRH
CCal Filename(s)	U230811A_06		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.00	2,3,7,8-TCDF-13C	2.00	79
Total TCDF	ND	-----	1.00	2,3,7,8-TCDD-13C	2.00	77
				1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	-----	1.00	2,3,4,7,8-PeCDF-13C	2.00	90
Total TCDD	ND	-----	1.00	1,2,3,7,8-PeCDD-13C	2.00	106
				1,2,3,4,7,8-HxCDF-13C	2.00	68
1,2,3,7,8-PeCDF	ND	-----	5.0	1,2,3,6,7,8-HxCDF-13C	2.00	75
2,3,4,7,8-PeCDF	ND	-----	5.0	2,3,4,6,7,8-HxCDF-13C	2.00	71
Total PeCDF	ND	-----	5.0	1,2,3,7,8,9-HxCDF-13C	2.00	69
				1,2,3,4,7,8-HxCDD-13C	2.00	82
1,2,3,7,8-PeCDD	ND	-----	5.0	1,2,3,6,7,8-HxCDD-13C	2.00	93
Total PeCDD	ND	-----	5.0	1,2,3,4,6,7,8-HpCDF-13C	2.00	87
				1,2,3,4,7,8,9-HpCDF-13C	2.00	99
1,2,3,4,7,8-HxCDF	ND	-----	5.0	1,2,3,4,6,7,8-HpCDD-13C	2.00	104
1,2,3,6,7,8-HxCDF	ND	-----	5.0	OCDD-13C	4.00	95
2,3,4,6,7,8-HxCDF	ND	-----	5.0			
1,2,3,7,8,9-HxCDF	ND	-----	5.0	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	5.0	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.0	2,3,7,8-TCDD-37Cl4	0.40	76
1,2,3,6,7,8-HxCDD	ND	-----	5.0			
1,2,3,7,8,9-HxCDD	ND	-----	5.0			
Total HxCDD	ND	-----	5.0			
1,2,3,4,6,7,8-HpCDF	ND	-----	5.0	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.0	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	-----	5.0	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	5.0			
Total HpCDD	ND	-----	5.0			
OCDF	ND	-----	10.0			
OCDD	ND	-----	10.0			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

Results reported on a total weight basis and are valid to no more than 2 significant figures.

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKGE	Matrix	Solid
Lab Sample ID	BLANK-107668	Dilution	NA
Filename	Y230816A_08	Extracted	08/07/2023 15:55
Total Amount Extracted	10.2 g	Analyzed	08/16/2023 16:09
ICAL ID	Y230607	Injected By	AH5
CCal Filename(s)	Y230815A_24		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.99	2,3,7,8-TCDF-13C	2.00	69
Total TCDF	ND	-----	0.99	2,3,7,8-TCDD-13C	2.00	70
				1,2,3,7,8-PeCDF-13C	2.00	79
2,3,7,8-TCDD	ND	-----	0.99	2,3,4,7,8-PeCDF-13C	2.00	81
Total TCDD	ND	-----	0.99	1,2,3,7,8-PeCDD-13C	2.00	93
				1,2,3,4,7,8-HxCDF-13C	2.00	72
1,2,3,7,8-PeCDF	ND	-----	4.9	1,2,3,6,7,8-HxCDF-13C	2.00	74
2,3,4,7,8-PeCDF	ND	-----	4.9	2,3,4,6,7,8-HxCDF-13C	2.00	71
Total PeCDF	ND	-----	4.9	1,2,3,7,8,9-HxCDF-13C	2.00	69
				1,2,3,4,7,8-HxCDD-13C	2.00	64
1,2,3,7,8-PeCDD	ND	-----	4.9	1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	ND	-----	4.9	1,2,3,4,6,7,8-HpCDF-13C	2.00	80
				1,2,3,4,7,8,9-HpCDF-13C	2.00	77
1,2,3,4,7,8-HxCDF	ND	-----	4.9	1,2,3,4,6,7,8-HpCDD-13C	2.00	98
1,2,3,6,7,8-HxCDF	ND	-----	4.9	OCDD-13C	4.00	79
2,3,4,6,7,8-HxCDF	ND	-----	4.9			
1,2,3,7,8,9-HxCDF	ND	-----	4.9	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	4.9	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	4.9	2,3,7,8-TCDD-37Cl4	0.20	57
1,2,3,6,7,8-HxCDD	ND	-----	4.9			
1,2,3,7,8,9-HxCDD	ND	-----	4.9			
Total HxCDD	ND	-----	4.9			
1,2,3,4,6,7,8-HpCDF	ND	-----	4.9	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	4.9	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	-----	4.9	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	4.9			
Total HpCDD	ND	-----	4.9			
OCDF	ND	-----	9.9			
OCDD	ND	-----	9.9			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

Results reported on a total weight basis and are valid to no more than 2 significant figures.

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S19		
Lab Sample ID	40265603001		
Filename	Y230811A_07		
Injected By	AH5		
Total Amount Extracted	10.2 g	Matrix	SOLID
% Moisture	1.8	Dilution	NA
Dry Weight Extracted	10.0 g	Collected	07/18/2023 11:10
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 12:25

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.00	2,3,7,8-TCDF-13C	2.00	78
Total TCDF	ND	-----	1.00	2,3,7,8-TCDD-13C	2.00	74
				1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	-----	1.00	2,3,4,7,8-PeCDF-13C	2.00	91
Total TCDD	ND	-----	1.00	1,2,3,7,8-PeCDD-13C	2.00	104
				1,2,3,4,7,8-HxCDF-13C	2.00	86
1,2,3,7,8-PeCDF	ND	-----	5.0	1,2,3,6,7,8-HxCDF-13C	2.00	84
2,3,4,7,8-PeCDF	ND	-----	5.0	2,3,4,6,7,8-HxCDF-13C	2.00	81
Total PeCDF	ND	-----	5.0	1,2,3,7,8,9-HxCDF-13C	2.00	77
				1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	ND	-----	5.0	1,2,3,6,7,8-HxCDD-13C	2.00	94
Total PeCDD	ND	-----	5.0	1,2,3,4,6,7,8-HpCDF-13C	2.00	79
				1,2,3,4,7,8,9-HpCDF-13C	2.00	75
1,2,3,4,7,8-HxCDF	ND	-----	5.0	1,2,3,4,6,7,8-HpCDD-13C	2.00	94
1,2,3,6,7,8-HxCDF	ND	-----	5.0	OCDD-13C	4.00	70
2,3,4,6,7,8-HxCDF	ND	-----	5.0			
1,2,3,7,8,9-HxCDF	ND	-----	5.0	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	5.0	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.0	2,3,7,8-TCDD-37Cl4	0.40	67
1,2,3,6,7,8-HxCDD	ND	-----	5.0			
1,2,3,7,8,9-HxCDD	ND	-----	5.0			
Total HxCDD	ND	-----	5.0			
1,2,3,4,6,7,8-HpCDF	ND	-----	5.0	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.0	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	-----	5.0	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	5.0			
Total HpCDD	ND	-----	5.0			
OCDF	ND	-----	10.0			
OCDD	ND	-----	10.0			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886



Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S20		
Lab Sample ID	40265603002		
Filename	Y230811A_08		
Injected By	AH5		
Total Amount Extracted	10.1 g	Matrix	SOLID
% Moisture	8.2	Dilution	NA
Dry Weight Extracted	9.23 g	Collected	07/18/2023 12:40
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 13:08

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.1	2,3,7,8-TCDF-13C	2.00	76
Total TCDF	4.7	-----	1.1	2,3,7,8-TCDD-13C	2.00	74
				1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	-----	1.1	2,3,4,7,8-PeCDF-13C	2.00	87
Total TCDD	ND	-----	1.1	1,2,3,7,8-PeCDD-13C	2.00	94
				1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	-----	27	5.4 P	1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	ND	-----	5.4	2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	16	-----	5.4	1,2,3,7,8,9-HxCDF-13C	2.00	76
				1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	ND	-----	5.4	1,2,3,6,7,8-HxCDD-13C	2.00	86
Total PeCDD	ND	-----	5.4	1,2,3,4,6,7,8-HpCDF-13C	2.00	71
				1,2,3,4,7,8,9-HpCDF-13C	2.00	69
1,2,3,4,7,8-HxCDF	ND	-----	5.4	1,2,3,4,6,7,8-HpCDD-13C	2.00	83
1,2,3,6,7,8-HxCDF	ND	-----	5.4	OCDD-13C	4.00	57
2,3,4,6,7,8-HxCDF	ND	-----	5.4			
1,2,3,7,8,9-HxCDF	ND	-----	5.4	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	30	-----	5.4	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.4	2,3,7,8-TCDD-37Cl4	0.40	66
1,2,3,6,7,8-HxCDD	ND	-----	5.4			
1,2,3,7,8,9-HxCDD	ND	-----	5.4			
Total HxCDD	ND	-----	5.4			
1,2,3,4,6,7,8-HpCDF	8.9	-----	5.4	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.4	Equivalence: 1.1 ng/Kg		
Total HpCDF	20	-----	5.4	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	15	-----	5.4			
Total HpCDD	29	-----	5.4			
OCDF	ND	-----	11			
OCDD	120	-----	11			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S21		
Lab Sample ID	40265603003		
Filename	Y230811A_09		
Injected By	AH5		
Total Amount Extracted	11.2 g	Matrix	SOLID
% Moisture	6.8	Dilution	NA
Dry Weight Extracted	10.5 g	Collected	07/18/2023 14:25
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 13:51

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.96	2,3,7,8-TCDF-13C	2.00	74
Total TCDF	ND	-----	0.96	2,3,7,8-TCDD-13C	2.00	72
				1,2,3,7,8-PeCDF-13C	2.00	80
2,3,7,8-TCDD	ND	-----	0.96	2,3,4,7,8-PeCDF-13C	2.00	82
Total TCDD	ND	-----	0.96	1,2,3,7,8-PeCDD-13C	2.00	90
				1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	-----	6.6	4.8 P	1,2,3,6,7,8-HxCDF-13C	2.00	80
2,3,4,7,8-PeCDF	ND	-----	4.8	2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	ND	-----	4.8	1,2,3,7,8,9-HxCDF-13C	2.00	73
				1,2,3,4,7,8-HxCDD-13C	2.00	71
1,2,3,7,8-PeCDD	ND	-----	4.8	1,2,3,6,7,8-HxCDD-13C	2.00	91
Total PeCDD	ND	-----	4.8	1,2,3,4,6,7,8-HpCDF-13C	2.00	74
				1,2,3,4,7,8,9-HpCDF-13C	2.00	71
1,2,3,4,7,8-HxCDF	ND	-----	4.8	1,2,3,4,6,7,8-HpCDD-13C	2.00	91
1,2,3,6,7,8-HxCDF	ND	-----	4.8	OCDD-13C	4.00	63
2,3,4,6,7,8-HxCDF	ND	-----	4.8			
1,2,3,7,8,9-HxCDF	ND	-----	4.8	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	4.8	-----	4.8	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	4.8	2,3,7,8-TCDD-37Cl4	0.40	65
1,2,3,6,7,8-HxCDD	ND	-----	4.8			
1,2,3,7,8,9-HxCDD	ND	-----	4.8			
Total HxCDD	ND	-----	4.8			
1,2,3,4,6,7,8-HpCDF	ND	-----	4.8	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	4.8	Equivalence: 0.21 ng/Kg		
Total HpCDF	ND	-----	4.8	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	4.8			
Total HpCDD	ND	-----	4.8			
OCDF	ND	-----	9.6			
OCDD	39	-----	9.6			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S22		
Lab Sample ID	40265603004		
Filename	Y230811A_10		
Injected By	AH5		
Total Amount Extracted	10.2 g	Matrix	SOLID
% Moisture	4.2	Dilution	NA
Dry Weight Extracted	9.81 g	Collected	07/18/2023 14:30
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 14:35

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	2.00	83
Total TCDF	ND	-----	1.0	2,3,7,8-TCDD-13C	2.00	81
				1,2,3,7,8-PeCDF-13C	2.00	94
2,3,7,8-TCDD	ND	-----	1.0	2,3,4,7,8-PeCDF-13C	2.00	93
Total TCDD	ND	-----	1.0	1,2,3,7,8-PeCDD-13C	2.00	103
				1,2,3,4,7,8-HxCDF-13C	2.00	83
1,2,3,7,8-PeCDF	ND	-----	5.1	1,2,3,6,7,8-HxCDF-13C	2.00	95
2,3,4,7,8-PeCDF	ND	-----	5.1	2,3,4,6,7,8-HxCDF-13C	2.00	86
Total PeCDF	ND	-----	5.1	1,2,3,7,8,9-HxCDF-13C	2.00	82
				1,2,3,4,7,8-HxCDD-13C	2.00	73
1,2,3,7,8-PeCDD	ND	-----	5.1	1,2,3,6,7,8-HxCDD-13C	2.00	105
Total PeCDD	ND	-----	5.1	1,2,3,4,6,7,8-HpCDF-13C	2.00	83
				1,2,3,4,7,8,9-HpCDF-13C	2.00	80
1,2,3,4,7,8-HxCDF	ND	-----	5.1	1,2,3,4,6,7,8-HpCDD-13C	2.00	98
1,2,3,6,7,8-HxCDF	ND	-----	5.1	OCDD-13C	4.00	71
2,3,4,6,7,8-HxCDF	ND	-----	5.1			
1,2,3,7,8,9-HxCDF	ND	-----	5.1	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	5.1	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.1	2,3,7,8-TCDD-37Cl4	0.40	73
1,2,3,6,7,8-HxCDD	ND	-----	5.1			
1,2,3,7,8,9-HxCDD	ND	-----	5.1			
Total HxCDD	ND	-----	5.1			
1,2,3,4,6,7,8-HpCDF	ND	-----	5.1	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.1	Equivalence: 0.087 ng/Kg		
Total HpCDF	ND	-----	5.1	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	7.1	-----	5.1			
Total HpCDD	13	-----	5.1			
OCDF	ND	-----	10			
OCDD	52	-----	10			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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RL = Reporting Limit

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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S23		
Lab Sample ID	40265603005		
Filename	Y230811A_11		
Injected By	AH5		
Total Amount Extracted	11.2 g	Matrix	SOLID
% Moisture	3.8	Dilution	NA
Dry Weight Extracted	10.8 g	Collected	07/18/2023 14:53
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 15:18

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.92	2,3,7,8-TCDF-13C	2.00	75
Total TCDF	2.3	-----	0.92	2,3,7,8-TCDD-13C	2.00	72
				1,2,3,7,8-PeCDF-13C	2.00	82
2,3,7,8-TCDD	ND	-----	0.92	2,3,4,7,8-PeCDF-13C	2.00	83
Total TCDD	ND	-----	0.92	1,2,3,7,8-PeCDD-13C	2.00	91
				1,2,3,4,7,8-HxCDF-13C	2.00	73
1,2,3,7,8-PeCDF	-----	35	4.6	1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	ND	-----	4.6	2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	14	-----	4.6	1,2,3,7,8,9-HxCDF-13C	2.00	75
				1,2,3,4,7,8-HxCDD-13C	2.00	62
1,2,3,7,8-PeCDD	ND	-----	4.6	1,2,3,6,7,8-HxCDD-13C	2.00	91
Total PeCDD	ND	-----	4.6	1,2,3,4,6,7,8-HpCDF-13C	2.00	72
				1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	ND	-----	4.6	1,2,3,4,6,7,8-HpCDD-13C	2.00	86
1,2,3,6,7,8-HxCDF	ND	-----	4.6	OCDD-13C	4.00	64
2,3,4,6,7,8-HxCDF	ND	-----	4.6			
1,2,3,7,8,9-HxCDF	ND	-----	4.6	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	24	-----	4.6	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	4.6	2,3,7,8-TCDD-37Cl4	0.40	69
1,2,3,6,7,8-HxCDD	ND	-----	4.6			
1,2,3,7,8,9-HxCDD	ND	-----	4.6			
Total HxCDD	ND	-----	4.6			
1,2,3,4,6,7,8-HpCDF	ND	-----	4.6	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	4.6	Equivalence: 1.2 ng/Kg		
Total HpCDF	7.1	-----	4.6	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	9.5	-----	4.6			
Total HpCDD	17	-----	4.6			
OCDF	ND	-----	9.2			
OCDD	79	-----	9.2			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S24		
Lab Sample ID	40265603006		
Filename	Y230811A_12		
Injected By	AH5		
Total Amount Extracted	10.7 g	Matrix	SOLID
% Moisture	3.4	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	07/18/2023 15:20
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 16:01

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.97	2,3,7,8-TCDF-13C	2.00	83
Total TCDF	3.4	-----	0.97	2,3,7,8-TCDD-13C	2.00	79
				1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	-----	0.97	2,3,4,7,8-PeCDF-13C	2.00	91
Total TCDD	ND	-----	0.97	1,2,3,7,8-PeCDD-13C	2.00	99
				1,2,3,4,7,8-HxCDF-13C	2.00	82
1,2,3,7,8-PeCDF	-----	27	4.8 P	1,2,3,6,7,8-HxCDF-13C	2.00	87
2,3,4,7,8-PeCDF	ND	-----	4.8	2,3,4,6,7,8-HxCDF-13C	2.00	81
Total PeCDF	18	-----	4.8	1,2,3,7,8,9-HxCDF-13C	2.00	83
				1,2,3,4,7,8-HxCDD-13C	2.00	70
1,2,3,7,8-PeCDD	ND	-----	4.8	1,2,3,6,7,8-HxCDD-13C	2.00	100
Total PeCDD	ND	-----	4.8	1,2,3,4,6,7,8-HpCDF-13C	2.00	77
				1,2,3,4,7,8,9-HpCDF-13C	2.00	81
1,2,3,4,7,8-HxCDF	ND	-----	4.8	1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	ND	-----	4.8	OCDD-13C	4.00	72
2,3,4,6,7,8-HxCDF	ND	-----	4.8			
1,2,3,7,8,9-HxCDF	ND	-----	4.8	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	32	-----	4.8	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	4.8	2,3,7,8-TCDD-37Cl4	0.40	71
1,2,3,6,7,8-HxCDD	ND	-----	4.8			
1,2,3,7,8,9-HxCDD	ND	-----	4.8			
Total HxCDD	ND	-----	4.8			
1,2,3,4,6,7,8-HpCDF	7.1	-----	4.8	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	4.8	Equivalence: 1.1 ng/Kg		
Total HpCDF	18	-----	4.8	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	18	-----	4.8			
Total HpCDD	34	-----	4.8			
OCDF	ND	-----	9.7			
OCDD	150	-----	9.7			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S25		
Lab Sample ID	40265603007		
Filename	Y230811A_13		
Injected By	AH5		
Total Amount Extracted	10.2 g	Matrix	SOLID
% Moisture	6.5	Dilution	NA
Dry Weight Extracted	9.49 g	Collected	07/18/2023 15:25
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 16:45

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.1	2,3,7,8-TCDF-13C	2.00	75
Total TCDF	ND	-----	1.1	2,3,7,8-TCDD-13C	2.00	73
				1,2,3,7,8-PeCDF-13C	2.00	83
2,3,7,8-TCDD	ND	-----	1.1	2,3,4,7,8-PeCDF-13C	2.00	83
Total TCDD	ND	-----	1.1	1,2,3,7,8-PeCDD-13C	2.00	92
				1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	-----	42	5.3 P	1,2,3,6,7,8-HxCDF-13C	2.00	84
2,3,4,7,8-PeCDF	ND	-----	5.3	2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	11	-----	5.3	1,2,3,7,8,9-HxCDF-13C	2.00	71
				1,2,3,4,7,8-HxCDD-13C	2.00	66
1,2,3,7,8-PeCDD	ND	-----	5.3	1,2,3,6,7,8-HxCDD-13C	2.00	92
Total PeCDD	ND	-----	5.3	1,2,3,4,6,7,8-HpCDF-13C	2.00	76
				1,2,3,4,7,8,9-HpCDF-13C	2.00	70
1,2,3,4,7,8-HxCDF	ND	-----	5.3	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	ND	-----	5.3	OCDD-13C	4.00	60
2,3,4,6,7,8-HxCDF	ND	-----	5.3			
1,2,3,7,8,9-HxCDF	ND	-----	5.3	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	26	-----	5.3	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.3	2,3,7,8-TCDD-37Cl4	0.40	69
1,2,3,6,7,8-HxCDD	ND	-----	5.3			
1,2,3,7,8,9-HxCDD	ND	-----	5.3			
Total HxCDD	ND	-----	5.3			
1,2,3,4,6,7,8-HpCDF	ND	-----	5.3	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.3	Equivalence: 1.4 ng/Kg		
Total HpCDF	7.0	-----	5.3	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	10	-----	5.3			
Total HpCDD	19	-----	5.3			
OCDF	ND	-----	11			
OCDD	76	-----	11			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

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NA = Not Applicable
NC = Not Calculated

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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S26		
Lab Sample ID	40265603008		
Filename	Y230811A_14		
Injected By	AH5		
Total Amount Extracted	10.1 g	Matrix	SOLID
% Moisture	7.5	Dilution	NA
Dry Weight Extracted	9.35 g	Collected	07/18/2023 16:00
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 17:28

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	1.1	2,3,7,8-TCDF-13C	2.00	78
Total TCDF	ND	----	1.1	2,3,7,8-TCDD-13C	2.00	73
				1,2,3,7,8-PeCDF-13C	2.00	81
2,3,7,8-TCDD	ND	----	1.1	2,3,4,7,8-PeCDF-13C	2.00	81
Total TCDD	3.4	----	1.1	1,2,3,7,8-PeCDD-13C	2.00	89
				1,2,3,4,7,8-HxCDF-13C	2.00	72
1,2,3,7,8-PeCDF	----	69	5.3	1,2,3,6,7,8-HxCDF-13C	2.00	83
2,3,4,7,8-PeCDF	11	----	5.3	2,3,4,6,7,8-HxCDF-13C	2.00	77
Total PeCDF	74	----	5.3	1,2,3,7,8,9-HxCDF-13C	2.00	77
				1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	ND	----	5.3	1,2,3,6,7,8-HxCDD-13C	2.00	87
Total PeCDD	ND	----	5.3	1,2,3,4,6,7,8-HpCDF-13C	2.00	72
				1,2,3,4,7,8,9-HpCDF-13C	2.00	71
1,2,3,4,7,8-HxCDF	ND	----	5.3	1,2,3,4,6,7,8-HpCDD-13C	2.00	86
1,2,3,6,7,8-HxCDF	ND	----	5.3	OCDD-13C	4.00	61
2,3,4,6,7,8-HxCDF	8.6	----	5.3			
1,2,3,7,8,9-HxCDF	ND	----	5.3	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	120	----	5.3	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	5.3	2,3,7,8-TCDD-37Cl4	0.40	61
1,2,3,6,7,8-HxCDD	9.3	----	5.3			
1,2,3,7,8,9-HxCDD	ND	----	5.3			
Total HxCDD	48	----	5.3			
1,2,3,4,6,7,8-HpCDF	90	----	5.3	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	5.3	Equivalence: 11 ng/Kg		
Total HpCDF	210	----	5.3	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	200	----	5.3			
Total HpCDD	390	----	5.3			
OCDF	100	----	11			
OCDD	2100	----	11			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S27		
Lab Sample ID	40265603009		
Filename	L230811B_15		
Injected By	JRH		
Total Amount Extracted	10.0 g	Matrix	SOLID
% Moisture	4.9	Dilution	NA
Dry Weight Extracted	9.54 g	Collected	07/18/2023 16:12
ICAL ID	L230613	Received	07/26/2023 15:50
CCal Filename(s)	L230811A_09	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/12/2023 01:23

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	2.1	-----	1.0 C	2,3,7,8-TCDF-13C	2.00	89
Total TCDF	140	-----	1.0	2,3,7,8-TCDD-13C	2.00	83
				1,2,3,7,8-PeCDF-13C	2.00	101
2,3,7,8-TCDD	ND	-----	1.0	2,3,4,7,8-PeCDF-13C	2.00	101
Total TCDD	3.7	-----	1.0	1,2,3,7,8-PeCDD-13C	2.00	98
				1,2,3,4,7,8-HxCDF-13C	2.00	107
1,2,3,7,8-PeCDF	ND	-----	5.2	1,2,3,6,7,8-HxCDF-13C	2.00	96
2,3,4,7,8-PeCDF	55	-----	5.2	2,3,4,6,7,8-HxCDF-13C	2.00	97
Total PeCDF	660	-----	5.2	1,2,3,7,8,9-HxCDF-13C	2.00	65
				1,2,3,4,7,8-HxCDD-13C	2.00	96
1,2,3,7,8-PeCDD	ND	-----	5.2	1,2,3,6,7,8-HxCDD-13C	2.00	79
Total PeCDD	6.7	-----	5.2	1,2,3,4,6,7,8-HpCDF-13C	2.00	76
				1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	13	-----	5.2	1,2,3,4,6,7,8-HpCDD-13C	2.00	88
1,2,3,6,7,8-HxCDF	-----	20	5.2 P	OCDD-13C	4.00	64
2,3,4,6,7,8-HxCDF	43	-----	5.2			
1,2,3,7,8,9-HxCDF	5.3	-----	5.2	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	450	-----	5.2	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	5.7	-----	5.2	2,3,7,8-TCDD-37Cl4	0.40	73
1,2,3,6,7,8-HxCDD	22	-----	5.2			
1,2,3,7,8,9-HxCDD	10	-----	5.2			
Total HxCDD	140	-----	5.2			
1,2,3,4,6,7,8-HpCDF	180	-----	5.2	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	10	-----	5.2	Equivalence: 36 ng/Kg		
Total HpCDF	190	-----	5.2	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	400	-----	5.2			
Total HpCDD	740	-----	5.2			
OCDF	320	-----	10			
OCDD	3800	-----	10			

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P = PCDE Interference

C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S28		
Lab Sample ID	40265603010		
Filename	Y230811A_15		
Injected By	AH5		
Total Amount Extracted	10.0 g	Matrix	SOLID
% Moisture	1.4	Dilution	NA
Dry Weight Extracted	9.89 g	Collected	07/19/2023 10:05
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 18:11

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	2.00	84
Total TCDF	1.2	-----	1.0	2,3,7,8-TCDD-13C	2.00	81
				1,2,3,7,8-PeCDF-13C	2.00	92
2,3,7,8-TCDD	ND	-----	1.0	2,3,4,7,8-PeCDF-13C	2.00	93
Total TCDD	ND	-----	1.0	1,2,3,7,8-PeCDD-13C	2.00	101
				1,2,3,4,7,8-HxCDF-13C	2.00	84
1,2,3,7,8-PeCDF	-----	33	5.1	1,2,3,6,7,8-HxCDF-13C	2.00	89
2,3,4,7,8-PeCDF	ND	-----	5.1	2,3,4,6,7,8-HxCDF-13C	2.00	83
Total PeCDF	20	-----	5.1	1,2,3,7,8,9-HxCDF-13C	2.00	84
				1,2,3,4,7,8-HxCDD-13C	2.00	74
1,2,3,7,8-PeCDD	ND	-----	5.1	1,2,3,6,7,8-HxCDD-13C	2.00	100
Total PeCDD	ND	-----	5.1	1,2,3,4,6,7,8-HpCDF-13C	2.00	80
				1,2,3,4,7,8,9-HpCDF-13C	2.00	78
1,2,3,4,7,8-HxCDF	ND	-----	5.1	1,2,3,4,6,7,8-HpCDD-13C	2.00	95
1,2,3,6,7,8-HxCDF	ND	-----	5.1	OCDD-13C	4.00	70
2,3,4,6,7,8-HxCDF	ND	-----	5.1			
1,2,3,7,8,9-HxCDF	ND	-----	5.1	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	31	-----	5.1	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.1	2,3,7,8-TCDD-37Cl4	0.40	74
1,2,3,6,7,8-HxCDD	ND	-----	5.1			
1,2,3,7,8,9-HxCDD	ND	-----	5.1			
Total HxCDD	ND	-----	5.1			
1,2,3,4,6,7,8-HpCDF	6.6	-----	5.1	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.1	Equivalence: 1.2 ng/Kg		
Total HpCDF	16	-----	5.1	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	14	-----	5.1			
Total HpCDD	25	-----	5.1			
OCDF	ND	-----	10			
OCDD	110	-----	10			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886



Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S29		
Lab Sample ID	40265603011		
Filename	Y230811A_16		
Injected By	AH5		
Total Amount Extracted	10.0 g	Matrix	SOLID
% Moisture	4.8	Dilution	NA
Dry Weight Extracted	9.56 g	Collected	07/19/2023 10:12
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 18:54

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.8	-----	1.0	V	2,3,7,8-TCDF-13C	2.00	79
Total TCDF	160	-----	1.0		2,3,7,8-TCDD-13C	2.00	77
					1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	-----	1.0		2,3,4,7,8-PeCDF-13C	2.00	85
Total TCDD	5.0	-----	1.0		1,2,3,7,8-PeCDD-13C	2.00	92
					1,2,3,4,7,8-HxCDF-13C	2.00	73
1,2,3,7,8-PeCDF	-----	300	5.2	P	1,2,3,6,7,8-HxCDF-13C	2.00	85
2,3,4,7,8-PeCDF	72	-----	5.2		2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	620	-----	5.2		1,2,3,7,8,9-HxCDF-13C	2.00	83
					1,2,3,4,7,8-HxCDD-13C	2.00	71
1,2,3,7,8-PeCDD	ND	-----	5.2		1,2,3,6,7,8-HxCDD-13C	2.00	87
Total PeCDD	6.1	-----	5.2		1,2,3,4,6,7,8-HpCDF-13C	2.00	72
					1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	-----	11	5.2	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	88
1,2,3,6,7,8-HxCDF	15	-----	5.2		OCDD-13C	4.00	66
2,3,4,6,7,8-HxCDF	54	-----	5.2				
1,2,3,7,8,9-HxCDF	-----	14	5.2	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	750	-----	5.2		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.2		2,3,7,8-TCDD-37Cl4	0.40	70
1,2,3,6,7,8-HxCDD	13	-----	5.2				
1,2,3,7,8,9-HxCDD	6.6	-----	5.2				
Total HxCDD	86	-----	5.2				
1,2,3,4,6,7,8-HpCDF	110	-----	5.2		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	6.6	-----	5.2		Equivalence: 46 ng/Kg		
Total HpCDF	280	-----	5.2		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	220	-----	5.2				
Total HpCDD	410	-----	5.2				
OCDF	110	-----	10				
OCDD	1900	-----	10				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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V = Result verified by confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S30		
Lab Sample ID	40265603012		
Filename	Y230811A_17		
Injected By	AH5		
Total Amount Extracted	10.4 g	Matrix	SOLID
% Moisture	5.3	Dilution	NA
Dry Weight Extracted	9.80 g	Collected	07/19/2023 10:35
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 19:38

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.4	----	1.0	V	2,3,7,8-TCDF-13C	2.00	78
Total TCDF	46	----	1.0		2,3,7,8-TCDD-13C	2.00	76
					1,2,3,7,8-PeCDF-13C	2.00	82
2,3,7,8-TCDD	ND	----	1.0		2,3,4,7,8-PeCDF-13C	2.00	83
Total TCDD	7.8	----	1.0		1,2,3,7,8-PeCDD-13C	2.00	91
					1,2,3,4,7,8-HxCDF-13C	2.00	73
1,2,3,7,8-PeCDF	----	98	5.1	P	1,2,3,6,7,8-HxCDF-13C	2.00	84
2,3,4,7,8-PeCDF	11	----	5.1		2,3,4,6,7,8-HxCDF-13C	2.00	74
Total PeCDF	86	----	5.1		1,2,3,7,8,9-HxCDF-13C	2.00	76
					1,2,3,4,7,8-HxCDD-13C	2.00	62
1,2,3,7,8-PeCDD	ND	----	5.1		1,2,3,6,7,8-HxCDD-13C	2.00	94
Total PeCDD	5.2	----	5.1		1,2,3,4,6,7,8-HpCDF-13C	2.00	69
					1,2,3,4,7,8,9-HpCDF-13C	2.00	67
1,2,3,4,7,8-HxCDF	----	6.4	5.1	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	83
1,2,3,6,7,8-HxCDF	ND	----	5.1		OCDD-13C	4.00	61
2,3,4,6,7,8-HxCDF	12	----	5.1				
1,2,3,7,8,9-HxCDF	----	6.3	5.1	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	170	----	5.1		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	5.1		2,3,7,8-TCDD-37Cl4	0.40	69
1,2,3,6,7,8-HxCDD	6.4	----	5.1				
1,2,3,7,8,9-HxCDD	ND	----	5.1				
Total HxCDD	56	----	5.1				
1,2,3,4,6,7,8-HpCDF	73	----	5.1		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	5.1		Equivalence: 12 ng/Kg		
Total HpCDF	160	----	5.1		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	150	----	5.1				
Total HpCDD	290	----	5.1				
OCDF	85	----	10				
OCDD	1200	----	10				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886



Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S31		
Lab Sample ID	40265603013		
Filename	L230811B_13		
Injected By	JRH		
Total Amount Extracted	10.1 g	Matrix	SOLID
% Moisture	4.6	Dilution	NA
Dry Weight Extracted	9.60 g	Collected	07/19/2023 10:38
ICAL ID	L230613	Received	07/26/2023 15:50
CCal Filename(s)	L230811A_09	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 23:56

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	2.00	80
Total TCDF	13	-----	1.0	2,3,7,8-TCDD-13C	2.00	75
				1,2,3,7,8-PeCDF-13C	2.00	93
2,3,7,8-TCDD	ND	-----	1.0	2,3,4,7,8-PeCDF-13C	2.00	94
Total TCDD	ND	-----	1.0	1,2,3,7,8-PeCDD-13C	2.00	91
				1,2,3,4,7,8-HxCDF-13C	2.00	99
1,2,3,7,8-PeCDF	ND	-----	5.2	1,2,3,6,7,8-HxCDF-13C	2.00	87
2,3,4,7,8-PeCDF	7.7	-----	5.2	2,3,4,6,7,8-HxCDF-13C	2.00	90
Total PeCDF	94	-----	5.2	1,2,3,7,8,9-HxCDF-13C	2.00	87
				1,2,3,4,7,8-HxCDD-13C	2.00	82
1,2,3,7,8-PeCDD	ND	-----	5.2	1,2,3,6,7,8-HxCDD-13C	2.00	77
Total PeCDD	ND	-----	5.2	1,2,3,4,6,7,8-HpCDF-13C	2.00	72
				1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	8.2	-----	5.2	1,2,3,4,6,7,8-HpCDD-13C	2.00	87
1,2,3,6,7,8-HxCDF	-----	5.8	5.2	OCDD-13C	4.00	62
2,3,4,6,7,8-HxCDF	8.7	-----	5.2			
1,2,3,7,8,9-HxCDF	ND	-----	5.2	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	72	-----	5.2	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.2	2,3,7,8-TCDD-37Cl4	0.40	67
1,2,3,6,7,8-HxCDD	ND	-----	5.2			
1,2,3,7,8,9-HxCDD	ND	-----	5.2			
Total HxCDD	8.8	-----	5.2			
1,2,3,4,6,7,8-HpCDF	21	-----	5.2	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.2	Equivalence: 5.5 ng/Kg		
Total HpCDF	21	-----	5.2	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	52	-----	5.2			
Total HpCDD	92	-----	5.2			
OCDF	40	-----	10			
OCDD	470	-----	10			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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P = PCDE Interference

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S32		
Lab Sample ID	40265603014		
Filename	L230811B_14		
Injected By	JRH		
Total Amount Extracted	10.5 g	Matrix	SOLID
% Moisture	2.4	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	07/19/2023 10:56
ICAL ID	L230613	Received	07/26/2023 15:50
CCal Filename(s)	L230811A_09	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/12/2023 00:39

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.97	2,3,7,8-TCDF-13C	2.00	83
Total TCDF	ND	-----	0.97	2,3,7,8-TCDD-13C	2.00	78
				1,2,3,7,8-PeCDF-13C	2.00	97
2,3,7,8-TCDD	ND	-----	0.97	2,3,4,7,8-PeCDF-13C	2.00	101
Total TCDD	ND	-----	0.97	1,2,3,7,8-PeCDD-13C	2.00	96
				1,2,3,4,7,8-HxCDF-13C	2.00	98
1,2,3,7,8-PeCDF	ND	-----	4.9	1,2,3,6,7,8-HxCDF-13C	2.00	96
2,3,4,7,8-PeCDF	ND	-----	4.9	2,3,4,6,7,8-HxCDF-13C	2.00	99
Total PeCDF	6.0	-----	4.9	1,2,3,7,8,9-HxCDF-13C	2.00	87
				1,2,3,4,7,8-HxCDD-13C	2.00	89
1,2,3,7,8-PeCDD	ND	-----	4.9	1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	ND	-----	4.9	1,2,3,4,6,7,8-HpCDF-13C	2.00	81
				1,2,3,4,7,8,9-HpCDF-13C	2.00	75
1,2,3,4,7,8-HxCDF	ND	-----	4.9	1,2,3,4,6,7,8-HpCDD-13C	2.00	87
1,2,3,6,7,8-HxCDF	ND	-----	4.9	OCDD-13C	4.00	63
2,3,4,6,7,8-HxCDF	ND	-----	4.9			
1,2,3,7,8,9-HxCDF	ND	-----	4.9	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	4.9	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	4.9	2,3,7,8-TCDD-37Cl4	0.40	69
1,2,3,6,7,8-HxCDD	ND	-----	4.9			
1,2,3,7,8,9-HxCDD	ND	-----	4.9			
Total HxCDD	ND	-----	4.9			
1,2,3,4,6,7,8-HpCDF	ND	-----	4.9	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	4.9	Equivalence: 0.11 ng/Kg		
Total HpCDF	ND	-----	4.9	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	9.3	-----	4.9			
Total HpCDD	16	-----	4.9			
OCDF	ND	-----	9.7			
OCDD	74	-----	9.7			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

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NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886



Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S33		
Lab Sample ID	40265603015		
Filename	Y230816A_09		
Injected By	AH5		
Total Amount Extracted	10.8 g	Matrix	SOLID
% Moisture	6.8	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	07/19/2023 11:02
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230815A_24	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/16/2023 16:52

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.99	2,3,7,8-TCDF-13C	2.00	65
Total TCDF	31	-----	0.99	2,3,7,8-TCDD-13C	2.00	69
				1,2,3,7,8-PeCDF-13C	2.00	73
2,3,7,8-TCDD	ND	-----	0.99	2,3,4,7,8-PeCDF-13C	2.00	76
Total TCDD	1.7	-----	0.99	1,2,3,7,8-PeCDD-13C	2.00	86
				1,2,3,4,7,8-HxCDF-13C	2.00	67
1,2,3,7,8-PeCDF	-----	170	5.0 P	1,2,3,6,7,8-HxCDF-13C	2.00	69
2,3,4,7,8-PeCDF	12	-----	5.0	2,3,4,6,7,8-HxCDF-13C	2.00	67
Total PeCDF	97	-----	5.0	1,2,3,7,8,9-HxCDF-13C	2.00	69
				1,2,3,4,7,8-HxCDD-13C	2.00	65
1,2,3,7,8-PeCDD	ND	-----	5.0	1,2,3,6,7,8-HxCDD-13C	2.00	81
Total PeCDD	ND	-----	5.0	1,2,3,4,6,7,8-HpCDF-13C	2.00	71
				1,2,3,4,7,8,9-HpCDF-13C	2.00	75
1,2,3,4,7,8-HxCDF	-----	5.9	5.0 P	1,2,3,4,6,7,8-HpCDD-13C	2.00	93
1,2,3,6,7,8-HxCDF	ND	-----	5.0	OCDD-13C	4.00	71
2,3,4,6,7,8-HxCDF	12	-----	5.0			
1,2,3,7,8,9-HxCDF	-----	7.6	5.0 P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	170	-----	5.0	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.0	2,3,7,8-TCDD-37Cl4	0.20	60
1,2,3,6,7,8-HxCDD	5.5	-----	5.0			
1,2,3,7,8,9-HxCDD	ND	-----	5.0			
Total HxCDD	34	-----	5.0			
1,2,3,4,6,7,8-HpCDF	47	-----	5.0	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.0	Equivalence: 14 ng/Kg		
Total HpCDF	100	-----	5.0	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	100	-----	5.0			
Total HpCDD	190	-----	5.0			
OCDF	50	-----	9.9			
OCDD	830	-----	9.9			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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RL = Reporting Limit

ND = Not Detected
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NC = Not Calculated

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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S34		
Lab Sample ID	40265603016		
Filename	Y230816A_10		
Injected By	AH5		
Total Amount Extracted	11.0 g	Matrix	SOLID
% Moisture	10.1	Dilution	NA
Dry Weight Extracted	9.87 g	Collected	07/19/2023 12:04
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230815A_24	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/16/2023 17:36

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.5	-----	1.0 C	2,3,7,8-TCDF-13C	2.00	64
Total TCDF	49	-----	1.0	2,3,7,8-TCDD-13C	2.00	68
				1,2,3,7,8-PeCDF-13C	2.00	66
2,3,7,8-TCDD	ND	-----	1.0	2,3,4,7,8-PeCDF-13C	2.00	65
Total TCDD	1.6	-----	1.0	1,2,3,7,8-PeCDD-13C	2.00	73
				1,2,3,4,7,8-HxCDF-13C	2.00	89
1,2,3,7,8-PeCDF	ND	-----	5.1	1,2,3,6,7,8-HxCDF-13C	2.00	108
2,3,4,7,8-PeCDF	14	-----	5.1	2,3,4,6,7,8-HxCDF-13C	2.00	81
Total PeCDF	320	-----	5.1	1,2,3,7,8,9-HxCDF-13C	2.00	89
				1,2,3,4,7,8-HxCDD-13C	2.00	89
1,2,3,7,8-PeCDD	ND	-----	5.1	1,2,3,6,7,8-HxCDD-13C	2.00	106
Total PeCDD	ND	-----	5.1	1,2,3,4,6,7,8-HpCDF-13C	2.00	83
				1,2,3,4,7,8,9-HpCDF-13C	2.00	81
1,2,3,4,7,8-HxCDF	-----	25	5.1 P	1,2,3,4,6,7,8-HpCDD-13C	2.00	92
1,2,3,6,7,8-HxCDF	15	-----	5.1	OCDD-13C	4.00	67
2,3,4,6,7,8-HxCDF	20	-----	5.1			
1,2,3,7,8,9-HxCDF	ND	-----	5.1	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	400	-----	5.1	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.1	2,3,7,8-TCDD-37Cl4	0.20	59
1,2,3,6,7,8-HxCDD	14	-----	5.1			
1,2,3,7,8,9-HxCDD	5.2	-----	5.1			
Total HxCDD	93	-----	5.1			
1,2,3,4,6,7,8-HpCDF	100	-----	5.1	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	7.6	-----	5.1	Equivalence: 17 ng/Kg		
Total HpCDF	250	-----	5.1	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	290	-----	5.1			
Total HpCDD	600	-----	5.1			
OCDF	150	-----	10			
OCDD	2500	-----	10			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

P = PCDE Interference

C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S35		
Lab Sample ID	40265603017		
Filename	Y230816A_11		
Injected By	AH5		
Total Amount Extracted	10.5 g	Matrix	SOLID
% Moisture	3.6	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	07/19/2023 12:10
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230815A_24	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/16/2023 18:19

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.99	2,3,7,8-TCDF-13C	2.00	70
Total TCDF	ND	-----	0.99	2,3,7,8-TCDD-13C	2.00	74
				1,2,3,7,8-PeCDF-13C	2.00	81
2,3,7,8-TCDD	ND	-----	0.99	2,3,4,7,8-PeCDF-13C	2.00	84
Total TCDD	ND	-----	0.99	1,2,3,7,8-PeCDD-13C	2.00	95
				1,2,3,4,7,8-HxCDF-13C	2.00	75
1,2,3,7,8-PeCDF	-----	14	4.9	1,2,3,6,7,8-HxCDF-13C	2.00	80
2,3,4,7,8-PeCDF	ND	-----	4.9	2,3,4,6,7,8-HxCDF-13C	2.00	77
Total PeCDF	5.9	-----	4.9	1,2,3,7,8,9-HxCDF-13C	2.00	75
				1,2,3,4,7,8-HxCDD-13C	2.00	77
1,2,3,7,8-PeCDD	ND	-----	4.9	1,2,3,6,7,8-HxCDD-13C	2.00	88
Total PeCDD	ND	-----	4.9	1,2,3,4,6,7,8-HpCDF-13C	2.00	81
				1,2,3,4,7,8,9-HpCDF-13C	2.00	82
1,2,3,4,7,8-HxCDF	ND	-----	4.9	1,2,3,4,6,7,8-HpCDD-13C	2.00	103
1,2,3,6,7,8-HxCDF	ND	-----	4.9	OCDD-13C	4.00	84
2,3,4,6,7,8-HxCDF	ND	-----	4.9			
1,2,3,7,8,9-HxCDF	ND	-----	4.9	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	5.5	-----	4.9	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	4.9	2,3,7,8-TCDD-37Cl4	0.20	67
1,2,3,6,7,8-HxCDD	ND	-----	4.9			
1,2,3,7,8,9-HxCDD	ND	-----	4.9			
Total HxCDD	ND	-----	4.9			
1,2,3,4,6,7,8-HpCDF	ND	-----	4.9	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	4.9	Equivalence: 0.44 ng/Kg		
Total HpCDF	ND	-----	4.9	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	4.9			
Total HpCDD	ND	-----	4.9			
OCDF	ND	-----	9.9			
OCDD	35	-----	9.9			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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P = PCDE Interference

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S36		
Lab Sample ID	40265603018		
Filename	Y230819A_02		
Injected By	SM		
Total Amount Extracted	10.9 g	Matrix	SOLID
% Moisture	13.3	Dilution	NA
Dry Weight Extracted	9.43 g	Collected	07/19/2023 15:04
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230818C_15	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/19/2023 03:43

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	3.1	-----	1.1	V	2,3,7,8-TCDF-13C	2.00	67
Total TCDF	120	-----	1.1		2,3,7,8-TCDD-13C	2.00	66
					1,2,3,7,8-PeCDF-13C	2.00	66
2,3,7,8-TCDD	ND	-----	1.1		2,3,4,7,8-PeCDF-13C	2.00	69
Total TCDD	12	-----	1.1		1,2,3,7,8-PeCDD-13C	2.00	72
					1,2,3,4,7,8-HxCDF-13C	2.00	70
1,2,3,7,8-PeCDF	-----	280	5.3	P	1,2,3,6,7,8-HxCDF-13C	2.00	70
2,3,4,7,8-PeCDF	44	-----	5.3		2,3,4,6,7,8-HxCDF-13C	2.00	67
Total PeCDF	270	-----	5.3		1,2,3,7,8,9-HxCDF-13C	2.00	68
					1,2,3,4,7,8-HxCDD-13C	2.00	65
1,2,3,7,8-PeCDD	ND	-----	5.3		1,2,3,6,7,8-HxCDD-13C	2.00	68
Total PeCDD	11	-----	5.3		1,2,3,4,6,7,8-HpCDF-13C	2.00	60
					1,2,3,4,7,8,9-HpCDF-13C	2.00	60
1,2,3,4,7,8-HxCDF	-----	21	5.3	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	69
1,2,3,6,7,8-HxCDF	16	-----	5.3		OCDD-13C	4.00	59
2,3,4,6,7,8-HxCDF	46	-----	5.3				
1,2,3,7,8,9-HxCDF	-----	17	5.3	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	610	-----	5.3		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	7.3	-----	5.3		2,3,7,8-TCDD-37Cl4	0.20	58
1,2,3,6,7,8-HxCDD	23	-----	5.3				
1,2,3,7,8,9-HxCDD	15	-----	5.3				
Total HxCDD	190	-----	5.3				
1,2,3,4,6,7,8-HpCDF	200	-----	5.3		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	12	-----	5.3		Equivalence: 44 ng/Kg		
Total HpCDF	440	-----	5.3		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	450	-----	5.3				
Total HpCDD	850	-----	5.3				
OCDF	220	-----	11				
OCDD	3500	-----	11				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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P = PCDE Interference

V = Result verified by confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S37		
Lab Sample ID	40265603019		
Filename	Y230819A_03		
Injected By	SM		
Total Amount Extracted	10.9 g	Matrix	SOLID
% Moisture	9.4	Dilution	NA
Dry Weight Extracted	9.90 g	Collected	07/19/2023 15:08
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230818C_15	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/19/2023 04:26

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.8	-----	1.0	C	2,3,7,8-TCDF-13C	2.00	66
Total TCDF	60	-----	1.0		2,3,7,8-TCDD-13C	2.00	63
					1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	ND	-----	1.0		2,3,4,7,8-PeCDF-13C	2.00	68
Total TCDD	21	-----	1.0		1,2,3,7,8-PeCDD-13C	2.00	70
					1,2,3,4,7,8-HxCDF-13C	2.00	70
1,2,3,7,8-PeCDF	-----	31	5.1	P	1,2,3,6,7,8-HxCDF-13C	2.00	69
2,3,4,7,8-PeCDF	17	-----	5.1		2,3,4,6,7,8-HxCDF-13C	2.00	66
Total PeCDF	120	-----	5.1		1,2,3,7,8,9-HxCDF-13C	2.00	60
					1,2,3,4,7,8-HxCDD-13C	2.00	58
1,2,3,7,8-PeCDD	ND	-----	5.1		1,2,3,6,7,8-HxCDD-13C	2.00	72
Total PeCDD	7.3	-----	5.1		1,2,3,4,6,7,8-HpCDF-13C	2.00	57
					1,2,3,4,7,8,9-HpCDF-13C	2.00	56
1,2,3,4,7,8-HxCDF	10	-----	5.1		1,2,3,4,6,7,8-HpCDD-13C	2.00	69
1,2,3,6,7,8-HxCDF	9.4	-----	5.1		OCDD-13C	4.00	58
2,3,4,6,7,8-HxCDF	19	-----	5.1				
1,2,3,7,8,9-HxCDF	-----	7.7	5.1	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	320	-----	5.1		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	6.3	-----	5.1		2,3,7,8-TCDD-37Cl4	0.20	55
1,2,3,6,7,8-HxCDD	16	-----	5.1				
1,2,3,7,8,9-HxCDD	11	-----	5.1				
Total HxCDD	140	-----	5.1				
1,2,3,4,6,7,8-HpCDF	150	-----	5.1		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	11	-----	5.1		Equivalence: 21 ng/Kg		
Total HpCDF	410	-----	5.1		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	370	-----	5.1				
Total HpCDD	660	-----	5.1				
OCDF	210	-----	10				
OCDD	3100	-----	10				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
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ND = Not Detected
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P = PCDE Interference

C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S38		
Lab Sample ID	40265603020		
Filename	Y230819A_04		
Injected By	SM		
Total Amount Extracted	10.7 g	Matrix	SOLID
% Moisture	7.8	Dilution	NA
Dry Weight Extracted	9.86 g	Collected	07/19/2023 15:11
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230818C_15	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/19/2023 05:10

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.5	----	1.0 V	2,3,7,8-TCDF-13C	2.00	74
Total TCDF	28	----	1.0	2,3,7,8-TCDD-13C	2.00	71
				1,2,3,7,8-PeCDF-13C	2.00	75
2,3,7,8-TCDD	ND	----	1.0	2,3,4,7,8-PeCDF-13C	2.00	76
Total TCDD	7.2	----	1.0	1,2,3,7,8-PeCDD-13C	2.00	80
				1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	----	27	5.1 P	1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	8.5	----	5.1	2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	65	----	5.1	1,2,3,7,8,9-HxCDF-13C	2.00	72
				1,2,3,4,7,8-HxCDD-13C	2.00	67
1,2,3,7,8-PeCDD	ND	----	5.1	1,2,3,6,7,8-HxCDD-13C	2.00	81
Total PeCDD	5.2	----	5.1	1,2,3,4,6,7,8-HpCDF-13C	2.00	66
				1,2,3,4,7,8,9-HpCDF-13C	2.00	66
1,2,3,4,7,8-HxCDF	6.7	----	5.1	1,2,3,4,6,7,8-HpCDD-13C	2.00	78
1,2,3,6,7,8-HxCDF	ND	----	5.1	OCDD-13C	4.00	66
2,3,4,6,7,8-HxCDF	10	----	5.1			
1,2,3,7,8,9-HxCDF	ND	----	5.1	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	160	----	5.1	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	5.1	2,3,7,8-TCDD-37Cl4	0.20	63
1,2,3,6,7,8-HxCDD	10	----	5.1			
1,2,3,7,8,9-HxCDD	7.7	----	5.1			
Total HxCDD	95	----	5.1			
1,2,3,4,6,7,8-HpCDF	95	----	5.1	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	5.1	Equivalence: 11 ng/Kg		
Total HpCDF	200	----	5.1	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	240	----	5.1			
Total HpCDD	460	----	5.1			
OCDF	120	----	10			
OCDD	1800	----	10			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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P = PCDE Interference

V = Result verified by confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S39		
Lab Sample ID	40265603021		
Filename	Y230819A_05		
Injected By	SM		
Total Amount Extracted	10.9 g	Matrix	SOLID
% Moisture	6.9	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	07/19/2023 15:45
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230818C_15	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/19/2023 05:53

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.99	2,3,7,8-TCDF-13C	2.00	71
Total TCDF	17	----	0.99	2,3,7,8-TCDD-13C	2.00	68
				1,2,3,7,8-PeCDF-13C	2.00	74
2,3,7,8-TCDD	ND	----	0.99	2,3,4,7,8-PeCDF-13C	2.00	74
Total TCDD	6.7	----	0.99	1,2,3,7,8-PeCDD-13C	2.00	79
				1,2,3,4,7,8-HxCDF-13C	2.00	77
1,2,3,7,8-PeCDF	----	51	4.9 P	1,2,3,6,7,8-HxCDF-13C	2.00	76
2,3,4,7,8-PeCDF	12	----	4.9	2,3,4,6,7,8-HxCDF-13C	2.00	72
Total PeCDF	78	----	4.9	1,2,3,7,8,9-HxCDF-13C	2.00	75
				1,2,3,4,7,8-HxCDD-13C	2.00	64
1,2,3,7,8-PeCDD	ND	----	4.9	1,2,3,6,7,8-HxCDD-13C	2.00	83
Total PeCDD	ND	----	4.9	1,2,3,4,6,7,8-HpCDF-13C	2.00	67
				1,2,3,4,7,8,9-HpCDF-13C	2.00	66
1,2,3,4,7,8-HxCDF	6.9	----	4.9	1,2,3,4,6,7,8-HpCDD-13C	2.00	76
1,2,3,6,7,8-HxCDF	ND	----	4.9	OCDD-13C	4.00	60
2,3,4,6,7,8-HxCDF	8.6	----	4.9			
1,2,3,7,8,9-HxCDF	4.9	----	4.9	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	170	----	4.9	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.9	2,3,7,8-TCDD-37Cl4	0.20	59
1,2,3,6,7,8-HxCDD	13	----	4.9			
1,2,3,7,8,9-HxCDD	8.0	----	4.9			
Total HxCDD	99	----	4.9			
1,2,3,4,6,7,8-HpCDF	100	----	4.9	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	8.0	----	4.9	Equivalence: 14 ng/Kg		
Total HpCDF	240	----	4.9	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	280	----	4.9			
Total HpCDD	530	----	4.9			
OCDF	150	----	9.9			
OCDD	2200	----	9.9			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886



Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S40		
Lab Sample ID	40265603022		
Filename	L230817A_02		
Injected By	AH5		
Total Amount Extracted	10.6 g	Matrix	SOLID
% Moisture	5.7	Dilution	NA
Dry Weight Extracted	9.98 g	Collected	07/19/2023 15:51
ICAL ID	L230816	Received	07/26/2023 15:50
CCal Filename(s)	L230816B_18	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/17/2023 08:42

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	2.00	78
Total TCDF	1.1	-----	1.0	2,3,7,8-TCDD-13C	2.00	74
				1,2,3,7,8-PeCDF-13C	2.00	70
2,3,7,8-TCDD	ND	-----	1.0	2,3,4,7,8-PeCDF-13C	2.00	84
Total TCDD	ND	-----	1.0	1,2,3,7,8-PeCDD-13C	2.00	89
				1,2,3,4,7,8-HxCDF-13C	2.00	82
1,2,3,7,8-PeCDF	ND	-----	5.0	1,2,3,6,7,8-HxCDF-13C	2.00	83
2,3,4,7,8-PeCDF	ND	-----	5.0	2,3,4,6,7,8-HxCDF-13C	2.00	84
Total PeCDF	ND	-----	5.0	1,2,3,7,8,9-HxCDF-13C	2.00	80
				1,2,3,4,7,8-HxCDD-13C	2.00	88
1,2,3,7,8-PeCDD	ND	-----	5.0	1,2,3,6,7,8-HxCDD-13C	2.00	86
Total PeCDD	ND	-----	5.0	1,2,3,4,6,7,8-HpCDF-13C	2.00	81
				1,2,3,4,7,8,9-HpCDF-13C	2.00	70
1,2,3,4,7,8-HxCDF	ND	-----	5.0	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	ND	-----	5.0	OCDD-13C	4.00	70
2,3,4,6,7,8-HxCDF	ND	-----	5.0			
1,2,3,7,8,9-HxCDF	ND	-----	5.0	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	5.0	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.0	2,3,7,8-TCDD-37Cl4	0.20	66
1,2,3,6,7,8-HxCDD	ND	-----	5.0			
1,2,3,7,8,9-HxCDD	ND	-----	5.0			
Total HxCDD	ND	-----	5.0			
1,2,3,4,6,7,8-HpCDF	5.3	-----	5.0	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.0	Equivalence: 0.22 ng/Kg		
Total HpCDF	5.3	-----	5.0	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	13	-----	5.0			
Total HpCDD	24	-----	5.0			
OCDF	ND	-----	10			
OCDD	110	-----	10			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S41		
Lab Sample ID	40265603023		
Filename	Y230817A_02		
Injected By	AH5		
Total Amount Extracted	10.7 g	Matrix	SOLID
% Moisture	1.7	Dilution	NA
Dry Weight Extracted	10.5 g	Collected	07/20/2023 12:20
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230816B_17	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/17/2023 10:36

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.95	2,3,7,8-TCDF-13C	2.00	60
Total TCDF	ND	-----	0.95	2,3,7,8-TCDD-13C	2.00	61
				1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	ND	-----	0.95	2,3,4,7,8-PeCDF-13C	2.00	73
Total TCDD	ND	-----	0.95	1,2,3,7,8-PeCDD-13C	2.00	83
				1,2,3,4,7,8-HxCDF-13C	2.00	73
1,2,3,7,8-PeCDF	ND	-----	4.7	1,2,3,6,7,8-HxCDF-13C	2.00	78
2,3,4,7,8-PeCDF	ND	-----	4.7	2,3,4,6,7,8-HxCDF-13C	2.00	74
Total PeCDF	ND	-----	4.7	1,2,3,7,8,9-HxCDF-13C	2.00	68
				1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	ND	-----	4.7	1,2,3,6,7,8-HxCDD-13C	2.00	83
Total PeCDD	ND	-----	4.7	1,2,3,4,6,7,8-HpCDF-13C	2.00	73
				1,2,3,4,7,8,9-HpCDF-13C	2.00	67
1,2,3,4,7,8-HxCDF	ND	-----	4.7	1,2,3,4,6,7,8-HpCDD-13C	2.00	86
1,2,3,6,7,8-HxCDF	ND	-----	4.7	OCDD-13C	4.00	62
2,3,4,6,7,8-HxCDF	ND	-----	4.7			
1,2,3,7,8,9-HxCDF	ND	-----	4.7	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	4.7	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	4.7	2,3,7,8-TCDD-37Cl4	0.20	56
1,2,3,6,7,8-HxCDD	ND	-----	4.7			
1,2,3,7,8,9-HxCDD	ND	-----	4.7			
Total HxCDD	ND	-----	4.7			
1,2,3,4,6,7,8-HpCDF	ND	-----	4.7	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	4.7	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	-----	4.7	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	4.7			
Total HpCDD	ND	-----	4.7			
OCDF	ND	-----	9.5			
OCDD	ND	-----	9.5			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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RL = Reporting Limit

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NC = Not Calculated

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REPORT OF LABORATORY ANALYSIS

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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S42		
Lab Sample ID	40265603024		
Filename	Y230817A_03		
Injected By	AH5		
Total Amount Extracted	10.4 g	Matrix	SOLID
% Moisture	6.9	Dilution	NA
Dry Weight Extracted	9.73 g	Collected	07/20/2023 14:54
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230816B_17	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/17/2023 11:19

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	2.00	73
Total TCDF	3.7	-----	1.0	2,3,7,8-TCDD-13C	2.00	75
				1,2,3,7,8-PeCDF-13C	2.00	83
2,3,7,8-TCDD	ND	-----	1.0	2,3,4,7,8-PeCDF-13C	2.00	84
Total TCDD	ND	-----	1.0	1,2,3,7,8-PeCDD-13C	2.00	94
				1,2,3,4,7,8-HxCDF-13C	2.00	78
1,2,3,7,8-PeCDF	-----	19	5.1	1,2,3,6,7,8-HxCDF-13C	2.00	77
2,3,4,7,8-PeCDF	ND	-----	5.1	2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	13	-----	5.1	1,2,3,7,8,9-HxCDF-13C	2.00	74
				1,2,3,4,7,8-HxCDD-13C	2.00	69
1,2,3,7,8-PeCDD	ND	-----	5.1	1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	ND	-----	5.1	1,2,3,4,6,7,8-HpCDF-13C	2.00	70
				1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	ND	-----	5.1	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	ND	-----	5.1	OCDD-13C	4.00	68
2,3,4,6,7,8-HxCDF	ND	-----	5.1			
1,2,3,7,8,9-HxCDF	ND	-----	5.1	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	29	-----	5.1	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.1	2,3,7,8-TCDD-37Cl4	0.20	67
1,2,3,6,7,8-HxCDD	ND	-----	5.1			
1,2,3,7,8,9-HxCDD	ND	-----	5.1			
Total HxCDD	7.5	-----	5.1			
1,2,3,4,6,7,8-HpCDF	19	-----	5.1	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.1	Equivalence: 1.3 ng/Kg		
Total HpCDF	41	-----	5.1	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	45	-----	5.1			
Total HpCDD	84	-----	5.1			
OCDF	24	-----	10			
OCDD	340	-----	10			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
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Report No.....10662886

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S43		
Lab Sample ID	40265603025		
Filename	Y230817A_04		
Injected By	AH5		
Total Amount Extracted	10.6 g	Matrix	SOLID
% Moisture	5.3	Dilution	NA
Dry Weight Extracted	10.0 g	Collected	07/21/2023 09:46
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230816B_17	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/17/2023 12:03

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.00	2,3,7,8-TCDF-13C	2.00	55
Total TCDF	ND	-----	1.00	2,3,7,8-TCDD-13C	2.00	55
				1,2,3,7,8-PeCDF-13C	2.00	62
2,3,7,8-TCDD	ND	-----	1.00	2,3,4,7,8-PeCDF-13C	2.00	67
Total TCDD	ND	-----	1.00	1,2,3,7,8-PeCDD-13C	2.00	74
				1,2,3,4,7,8-HxCDF-13C	2.00	53
1,2,3,7,8-PeCDF	-----	5.8	5.0 P	1,2,3,6,7,8-HxCDF-13C	2.00	58
2,3,4,7,8-PeCDF	ND	-----	5.0	2,3,4,6,7,8-HxCDF-13C	2.00	54
Total PeCDF	6.1	-----	5.0	1,2,3,7,8,9-HxCDF-13C	2.00	54
				1,2,3,4,7,8-HxCDD-13C	2.00	54
1,2,3,7,8-PeCDD	ND	-----	5.0	1,2,3,6,7,8-HxCDD-13C	2.00	62
Total PeCDD	ND	-----	5.0	1,2,3,4,6,7,8-HpCDF-13C	2.00	51
				1,2,3,4,7,8,9-HpCDF-13C	2.00	51
1,2,3,4,7,8-HxCDF	ND	-----	5.0	1,2,3,4,6,7,8-HpCDD-13C	2.00	65
1,2,3,6,7,8-HxCDF	ND	-----	5.0	OCDD-13C	4.00	44
2,3,4,6,7,8-HxCDF	ND	-----	5.0			
1,2,3,7,8,9-HxCDF	ND	-----	5.0	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	5.0	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.0	2,3,7,8-TCDD-37Cl4	0.20	50
1,2,3,6,7,8-HxCDD	ND	-----	5.0			
1,2,3,7,8,9-HxCDD	ND	-----	5.0			
Total HxCDD	ND	-----	5.0			
1,2,3,4,6,7,8-HpCDF	ND	-----	5.0	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.0	Equivalence: 0.25 ng/Kg		
Total HpCDF	ND	-----	5.0	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	6.4	-----	5.0			
Total HpCDD	13	-----	5.0			
OCDF	ND	-----	10.0			
OCDD	50	-----	10.0			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
P = PCDE Interference

REPORT OF LABORATORY ANALYSIS

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Report No.....10662886



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Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- H2 = Extracted outside of holding time
- I = Isotope ratio out of specification
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs

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Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S19		
Lab Sample ID	40265603001		
Filename	Y230811A_07		
Injected By	AH5		
Total Amount Extracted	10.2 g	Matrix	SOLID
% Moisture	1.8	Dilution	NA
Dry Weight Extracted	10.0 g	Collected	07/18/2023 11:10
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 12:25

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.21		2,3,7,8-TCDF-13C	2.00	78
Total TCDF	ND	—	0.21		2,3,7,8-TCDD-13C	2.00	74
					1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	—	0.28		2,3,4,7,8-PeCDF-13C	2.00	91
Total TCDD	ND	—	0.28		1,2,3,7,8-PeCDD-13C	2.00	104
					1,2,3,4,7,8-HxCDF-13C	2.00	86
1,2,3,7,8-PeCDF	—	0.51	0.24	PJ	1,2,3,6,7,8-HxCDF-13C	2.00	84
2,3,4,7,8-PeCDF	ND	—	0.15		2,3,4,6,7,8-HxCDF-13C	2.00	81
Total PeCDF	0.25	—	0.15	J	1,2,3,7,8,9-HxCDF-13C	2.00	77
					1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	ND	—	0.16		1,2,3,6,7,8-HxCDD-13C	2.00	94
Total PeCDD	ND	—	0.16		1,2,3,4,6,7,8-HpCDF-13C	2.00	79
					1,2,3,4,7,8,9-HpCDF-13C	2.00	75
1,2,3,4,7,8-HxCDF	ND	—	0.17		1,2,3,4,6,7,8-HpCDD-13C	2.00	94
1,2,3,6,7,8-HxCDF	ND	—	0.14		OCDD-13C	4.00	70
2,3,4,6,7,8-HxCDF	ND	—	0.11				
1,2,3,7,8,9-HxCDF	ND	—	0.19		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.31	—	0.11	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	—	0.15		2,3,7,8-TCDD-37Cl4	0.40	67
1,2,3,6,7,8-HxCDD	ND	—	0.12				
1,2,3,7,8,9-HxCDD	ND	—	0.18				
Total HxCDD	ND	—	0.12				
1,2,3,4,6,7,8-HpCDF	—	0.23	0.19	IJ	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.22		Equivalence: 0.024 ng/Kg		
Total HpCDF	ND	—	0.19		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	—	0.51	0.23	IJ			
Total HpCDD	0.53	—	0.23	J			
OCDF	ND	—	0.32				
OCDD	5.1	—	0.43	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

P = PCDE Interference

I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S20		
Lab Sample ID	40265603002		
Filename	Y230811A_08		
Injected By	AH5		
Total Amount Extracted	10.1 g	Matrix	SOLID
% Moisture	8.2	Dilution	NA
Dry Weight Extracted	9.23 g	Collected	07/18/2023 12:40
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 13:08

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.67		2,3,7,8-TCDF-13C	2.00	76
Total TCDF	4.7	—	0.67		2,3,7,8-TCDD-13C	2.00	74
					1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	—	0.37		2,3,4,7,8-PeCDF-13C	2.00	87
Total TCDD	0.42	—	0.37	J	1,2,3,7,8-PeCDD-13C	2.00	94
					1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	—	27	0.18	P	1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	2.7	—	0.10	J	2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	21	—	0.10		1,2,3,7,8,9-HxCDF-13C	2.00	76
					1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	0.15	—	0.11	J	1,2,3,6,7,8-HxCDD-13C	2.00	86
Total PeCDD	0.74	—	0.11	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	71
					1,2,3,4,7,8,9-HpCDF-13C	2.00	69
1,2,3,4,7,8-HxCDF	—	1.1	0.15	IJ	1,2,3,4,6,7,8-HpCDD-13C	2.00	83
1,2,3,6,7,8-HxCDF	0.92	—	0.23	J	OCDD-13C	4.00	57
2,3,4,6,7,8-HxCDF	3.0	—	0.22	J			
1,2,3,7,8,9-HxCDF	—	1.5	0.15	PJ	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	34	—	0.15		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.43	—	0.068	BJ	2,3,7,8-TCDD-37Cl4	0.40	66
1,2,3,6,7,8-HxCDD	0.82	—	0.15	J			
1,2,3,7,8,9-HxCDD	—	0.42	0.12	IJ			
Total HxCDD	6.4	—	0.068				
1,2,3,4,6,7,8-HpCDF	8.9	—	0.32		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.32		Equivalence: 2.9 ng/Kg		
Total HpCDF	20	—	0.32		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	15	—	0.19				
Total HpCDD	29	—	0.19				
OCDF	11	—	0.60	J			
OCDD	120	—	0.52				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

P = PCDE Interference

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S21		
Lab Sample ID	40265603003		
Filename	Y230811A_09		
Injected By	AH5		
Total Amount Extracted	11.2 g	Matrix	SOLID
% Moisture	6.8	Dilution	NA
Dry Weight Extracted	10.5 g	Collected	07/18/2023 14:25
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 13:51

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.21		2,3,7,8-TCDF-13C	2.00	74
Total TCDF	1.2	—	0.21		2,3,7,8-TCDD-13C	2.00	72
					1,2,3,7,8-PeCDF-13C	2.00	80
2,3,7,8-TCDD	ND	—	0.20		2,3,4,7,8-PeCDF-13C	2.00	82
Total TCDD	ND	—	0.20		1,2,3,7,8-PeCDD-13C	2.00	90
					1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	—	6.6	0.23	P	1,2,3,6,7,8-HxCDF-13C	2.00	80
2,3,4,7,8-PeCDF	—	0.64	0.10	IJ	2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	4.7	—	0.10	J	1,2,3,7,8,9-HxCDF-13C	2.00	73
					1,2,3,4,7,8-HxCDD-13C	2.00	71
1,2,3,7,8-PeCDD	ND	—	0.14		1,2,3,6,7,8-HxCDD-13C	2.00	91
Total PeCDD	ND	—	0.14		1,2,3,4,6,7,8-HpCDF-13C	2.00	74
					1,2,3,4,7,8,9-HpCDF-13C	2.00	71
1,2,3,4,7,8-HxCDF	ND	—	0.14		1,2,3,4,6,7,8-HpCDD-13C	2.00	91
1,2,3,6,7,8-HxCDF	ND	—	0.14		OCDD-13C	4.00	63
2,3,4,6,7,8-HxCDF	—	0.78	0.053	IJ			
1,2,3,7,8,9-HxCDF	ND	—	0.057		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	9.3	—	0.053		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.23	0.12	IJ	2,3,7,8-TCDD-37Cl4	0.40	65
1,2,3,6,7,8-HxCDD	0.26	—	0.067	J			
1,2,3,7,8,9-HxCDD	—	0.14	0.068	IJ			
Total HxCDD	1.3	—	0.067	BJ			
1,2,3,4,6,7,8-HpCDF	1.8	—	0.15	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.13		Equivalence: 0.61 ng/Kg		
Total HpCDF	4.7	—	0.13	J	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	4.6	—	0.11	J			
Total HpCDD	8.2	—	0.11				
OCDF	2.5	—	0.25	J			
OCDD	39	—	0.31				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

P = PCDE Interference

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S22		
Lab Sample ID	40265603004		
Filename	Y230811A_10		
Injected By	AH5		
Total Amount Extracted	10.2 g	Matrix	SOLID
% Moisture	4.2	Dilution	NA
Dry Weight Extracted	9.81 g	Collected	07/18/2023 14:30
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 14:35

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.22		2,3,7,8-TCDF-13C	2.00	83
Total TCDF	ND	—	0.22		2,3,7,8-TCDD-13C	2.00	81
					1,2,3,7,8-PeCDF-13C	2.00	94
2,3,7,8-TCDD	ND	—	0.25		2,3,4,7,8-PeCDF-13C	2.00	93
Total TCDD	ND	—	0.25		1,2,3,7,8-PeCDD-13C	2.00	103
					1,2,3,4,7,8-HxCDF-13C	2.00	83
1,2,3,7,8-PeCDF	—	0.41	0.18	J	1,2,3,6,7,8-HxCDF-13C	2.00	95
2,3,4,7,8-PeCDF	0.21	—	0.097	J	2,3,4,6,7,8-HxCDF-13C	2.00	86
Total PeCDF	1.4	—	0.097	J	1,2,3,7,8,9-HxCDF-13C	2.00	82
					1,2,3,4,7,8-HxCDD-13C	2.00	73
1,2,3,7,8-PeCDD	ND	—	0.11		1,2,3,6,7,8-HxCDD-13C	2.00	105
Total PeCDD	ND	—	0.11		1,2,3,4,6,7,8-HpCDF-13C	2.00	83
					1,2,3,4,7,8,9-HpCDF-13C	2.00	80
1,2,3,4,7,8-HxCDF	ND	—	0.082		1,2,3,4,6,7,8-HpCDD-13C	2.00	98
1,2,3,6,7,8-HxCDF	0.20	—	0.063	J	OCDD-13C	4.00	71
2,3,4,6,7,8-HxCDF	ND	—	0.067				
1,2,3,7,8,9-HxCDF	ND	—	0.081		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	1.6	—	0.063	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.24	—	0.056	BJ	2,3,7,8-TCDD-37Cl4	0.40	73
1,2,3,6,7,8-HxCDD	—	0.39	0.053	IJ			
1,2,3,7,8,9-HxCDD	0.20	—	0.055	J			
Total HxCDD	1.8	—	0.053	BJ			
1,2,3,4,6,7,8-HpCDF	1.9	—	0.17	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.23		Equivalence: 0.29 ng/Kg		
Total HpCDF	4.1	—	0.17	J	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	7.1	—	0.13				
Total HpCDD	13	—	0.13				
OCDF	2.4	—	0.15	J			
OCDD	52	—	0.31				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S23		
Lab Sample ID	40265603005		
Filename	Y230811A_11		
Injected By	AH5		
Total Amount Extracted	11.2 g	Matrix	SOLID
% Moisture	3.8	Dilution	NA
Dry Weight Extracted	10.8 g	Collected	07/18/2023 14:53
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 15:18

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.20		2,3,7,8-TCDF-13C	2.00	75
Total TCDF	2.3	—	0.20		2,3,7,8-TCDD-13C	2.00	72
					1,2,3,7,8-PeCDF-13C	2.00	82
2,3,7,8-TCDD	ND	—	0.22		2,3,4,7,8-PeCDF-13C	2.00	83
Total TCDD	ND	—	0.22		1,2,3,7,8-PeCDD-13C	2.00	91
					1,2,3,4,7,8-HxCDF-13C	2.00	73
1,2,3,7,8-PeCDF	—	35	0.15	P	1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	1.9	—	0.10	J	2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	17	—	0.10		1,2,3,7,8,9-HxCDF-13C	2.00	75
					1,2,3,4,7,8-HxCDD-13C	2.00	62
1,2,3,7,8-PeCDD	ND	—	0.16		1,2,3,6,7,8-HxCDD-13C	2.00	91
Total PeCDD	0.26	—	0.16	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	72
					1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	—	0.76	0.17	IJ	1,2,3,4,6,7,8-HpCDD-13C	2.00	86
1,2,3,6,7,8-HxCDF	0.63	—	0.18	J	OCDD-13C	4.00	64
2,3,4,6,7,8-HxCDF	2.1	—	0.11	J			
1,2,3,7,8,9-HxCDF	—	0.80	0.21	PJ	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	29	—	0.11		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.35	—	0.076	BJ	2,3,7,8-TCDD-37Cl4	0.40	69
1,2,3,6,7,8-HxCDD	0.59	—	0.080	J			
1,2,3,7,8,9-HxCDD	0.39	—	0.061	J			
Total HxCDD	2.2	—	0.061	J			
1,2,3,4,6,7,8-HpCDF	3.8	—	0.21	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.13		Equivalence: 2.3 ng/Kg		
Total HpCDF	11	—	0.13		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	9.5	—	0.13				
Total HpCDD	17	—	0.13				
OCDF	5.0	—	0.36	J			
OCDD	79	—	0.59				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

P = PCDE Interference

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S24		
Lab Sample ID	40265603006		
Filename	Y230811A_12		
Injected By	AH5		
Total Amount Extracted	10.7 g	Matrix	SOLID
% Moisture	3.4	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	07/18/2023 15:20
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 16:01

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.57		2,3,7,8-TCDF-13C	2.00	83
Total TCDF	4.1	—	0.57		2,3,7,8-TCDD-13C	2.00	79
					1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	—	0.20		2,3,4,7,8-PeCDF-13C	2.00	91
Total TCDD	0.30	—	0.20	J	1,2,3,7,8-PeCDD-13C	2.00	99
					1,2,3,4,7,8-HxCDF-13C	2.00	82
1,2,3,7,8-PeCDF	—	27	0.27	P	1,2,3,6,7,8-HxCDF-13C	2.00	87
2,3,4,7,8-PeCDF	3.0	—	0.33	J	2,3,4,6,7,8-HxCDF-13C	2.00	81
Total PeCDF	23	—	0.27		1,2,3,7,8,9-HxCDF-13C	2.00	83
					1,2,3,4,7,8-HxCDD-13C	2.00	70
1,2,3,7,8-PeCDD	ND	—	0.15		1,2,3,6,7,8-HxCDD-13C	2.00	100
Total PeCDD	ND	—	0.15		1,2,3,4,6,7,8-HpCDF-13C	2.00	77
					1,2,3,4,7,8,9-HpCDF-13C	2.00	81
1,2,3,4,7,8-HxCDF	1.1	—	0.30	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	0.85	—	0.55	J	OCDD-13C	4.00	72
2,3,4,6,7,8-HxCDF	3.1	—	0.30	J			
1,2,3,7,8,9-HxCDF	0.96	—	0.22	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	41	—	0.22		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.38	—	0.12	BJ	2,3,7,8-TCDD-37Cl4	0.40	71
1,2,3,6,7,8-HxCDD	—	0.77	0.12	IJ			
1,2,3,7,8,9-HxCDD	0.61	—	0.096	J			
Total HxCDD	6.2	—	0.096				
1,2,3,4,6,7,8-HpCDF	7.1	—	0.21		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.19		Equivalence: 2.8 ng/Kg		
Total HpCDF	18	—	0.19		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	18	—	0.080				
Total HpCDD	34	—	0.080				
OCDF	8.4	—	0.24	J			
OCDD	150	—	0.28				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

P = PCDE Interference

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S25		
Lab Sample ID	40265603007		
Filename	Y230811A_13		
Injected By	AH5		
Total Amount Extracted	10.2 g	Matrix	SOLID
% Moisture	6.5	Dilution	NA
Dry Weight Extracted	9.49 g	Collected	07/18/2023 15:25
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 16:45

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.50		2,3,7,8-TCDF-13C	2.00	75
Total TCDF	0.65	—	0.50	J	2,3,7,8-TCDD-13C	2.00	73
					1,2,3,7,8-PeCDF-13C	2.00	83
2,3,7,8-TCDD	ND	—	0.27		2,3,4,7,8-PeCDF-13C	2.00	83
Total TCDD	ND	—	0.27		1,2,3,7,8-PeCDD-13C	2.00	92
					1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	—	42	0.096	P	1,2,3,6,7,8-HxCDF-13C	2.00	84
2,3,4,7,8-PeCDF	1.9	—	0.19	J	2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	15	—	0.096		1,2,3,7,8,9-HxCDF-13C	2.00	71
					1,2,3,4,7,8-HxCDD-13C	2.00	66
1,2,3,7,8-PeCDD	ND	—	0.12		1,2,3,6,7,8-HxCDD-13C	2.00	92
Total PeCDD	ND	—	0.12		1,2,3,4,6,7,8-HpCDF-13C	2.00	76
					1,2,3,4,7,8,9-HpCDF-13C	2.00	70
1,2,3,4,7,8-HxCDF	—	1.0	0.14	IJ	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	0.76	—	0.13	J	OCDD-13C	4.00	60
2,3,4,6,7,8-HxCDF	—	2.4	0.11	IJ			
1,2,3,7,8,9-HxCDF	—	1.4	0.072	IJ	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	29	—	0.072		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.51	0.25	IJ	2,3,7,8-TCDD-37Cl4	0.40	69
1,2,3,6,7,8-HxCDD	0.54	—	0.12	J			
1,2,3,7,8,9-HxCDD	—	0.38	0.12	IJ			
Total HxCDD	3.2	—	0.12	J			
1,2,3,4,6,7,8-HpCDF	4.3	—	0.46	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.13		Equivalence: 2.7 ng/Kg		
Total HpCDF	11	—	0.13		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	10	—	0.13				
Total HpCDD	19	—	0.13				
OCDF	5.3	—	0.50	J			
OCDD	76	—	0.74				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

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ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S26		
Lab Sample ID	40265603008		
Filename	Y230811A_14		
Injected By	AH5		
Total Amount Extracted	10.1 g	Matrix	SOLID
% Moisture	7.5	Dilution	NA
Dry Weight Extracted	9.35 g	Collected	07/18/2023 16:00
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 17:28

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.67		2,3,7,8-TCDF-13C	2.00	78
Total TCDF	ND	—	0.67		2,3,7,8-TCDD-13C	2.00	73
					1,2,3,7,8-PeCDF-13C	2.00	81
2,3,7,8-TCDD	ND	—	0.41		2,3,4,7,8-PeCDF-13C	2.00	81
Total TCDD	3.4	—	0.41		1,2,3,7,8-PeCDD-13C	2.00	89
					1,2,3,4,7,8-HxCDF-13C	2.00	72
1,2,3,7,8-PeCDF	—	69	0.96	P	1,2,3,6,7,8-HxCDF-13C	2.00	83
2,3,4,7,8-PeCDF	11	—	1.2		2,3,4,6,7,8-HxCDF-13C	2.00	77
Total PeCDF	74	—	0.96		1,2,3,7,8,9-HxCDF-13C	2.00	77
					1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	ND	—	0.86		1,2,3,6,7,8-HxCDD-13C	2.00	87
Total PeCDD	5.9	—	0.86		1,2,3,4,6,7,8-HpCDF-13C	2.00	72
					1,2,3,4,7,8,9-HpCDF-13C	2.00	71
1,2,3,4,7,8-HxCDF	4.7	—	0.99	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	86
1,2,3,6,7,8-HxCDF	4.2	—	1.6	J	OCDD-13C	4.00	61
2,3,4,6,7,8-HxCDF	8.6	—	2.1				
1,2,3,7,8,9-HxCDF	4.2	—	0.34	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	130	—	0.34		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	3.5	0.58	IJ	2,3,7,8-TCDD-37Cl4	0.40	61
1,2,3,6,7,8-HxCDD	9.3	—	0.74				
1,2,3,7,8,9-HxCDD	3.8	—	0.54	J			
Total HxCDD	52	—	0.54				
1,2,3,4,6,7,8-HpCDF	90	—	1.1		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.65		Equivalence: 13 ng/Kg		
Total HpCDF	210	—	0.65		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	200	—	1.1				
Total HpCDD	390	—	1.1				
OCDF	100	—	2.0				
OCDD	2100	—	2.3				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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J = Estimated value

P = PCDE Interference

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S27		
Lab Sample ID	40265603009		
Filename	L230811B_15		
Injected By	JRH		
Total Amount Extracted	10.0 g	Matrix	SOLID
% Moisture	4.9	Dilution	NA
Dry Weight Extracted	9.54 g	Collected	07/18/2023 16:12
ICAL ID	L230613	Received	07/26/2023 15:50
CCal Filename(s)	L230811A_09	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/12/2023 01:23

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	2.1	—	0.33	C	2,3,7,8-TCDF-13C	2.00	89
Total TCDF	140	—	0.14		2,3,7,8-TCDD-13C	2.00	83
					1,2,3,7,8-PeCDF-13C	2.00	101
2,3,7,8-TCDD	0.38	—	0.11	J	2,3,4,7,8-PeCDF-13C	2.00	101
Total TCDD	7.2	—	0.11		1,2,3,7,8-PeCDD-13C	2.00	98
					1,2,3,4,7,8-HxCDF-13C	2.00	107
1,2,3,7,8-PeCDF	1.9	—	0.12	J	1,2,3,6,7,8-HxCDF-13C	2.00	96
2,3,4,7,8-PeCDF	55	—	0.11		2,3,4,6,7,8-HxCDF-13C	2.00	97
Total PeCDF	670	—	0.11		1,2,3,7,8,9-HxCDF-13C	2.00	65
					1,2,3,4,7,8-HxCDD-13C	2.00	96
1,2,3,7,8-PeCDD	2.8	—	0.11	J	1,2,3,6,7,8-HxCDD-13C	2.00	79
Total PeCDD	25	—	0.11		1,2,3,4,6,7,8-HpCDF-13C	2.00	76
					1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	13	—	0.46		1,2,3,4,6,7,8-HpCDD-13C	2.00	88
1,2,3,6,7,8-HxCDF	—	20	0.49	P	OCDD-13C	4.00	64
2,3,4,6,7,8-HxCDF	43	—	0.13				
1,2,3,7,8,9-HxCDF	5.3	—	0.10		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	450	—	0.10		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	5.7	—	1.2		2,3,7,8-TCDD-37Cl4	0.40	73
1,2,3,6,7,8-HxCDD	22	—	0.17				
1,2,3,7,8,9-HxCDD	10	—	0.12				
Total HxCDD	140	—	0.12				
1,2,3,4,6,7,8-HpCDF	180	—	0.16		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	10	—	0.19		Equivalence: 39 ng/Kg		
Total HpCDF	190	—	0.16		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	400	—	0.37				
Total HpCDD	740	—	0.37				
OCDF	320	—	0.25				
OCDD	3800	—	0.32				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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J = Estimated value

P = PCDE Interference

C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S28		
Lab Sample ID	40265603010		
Filename	Y230811A_15		
Injected By	AH5		
Total Amount Extracted	10.0 g	Matrix	SOLID
% Moisture	1.4	Dilution	NA
Dry Weight Extracted	9.89 g	Collected	07/19/2023 10:05
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 18:11

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.26		2,3,7,8-TCDF-13C	2.00	84
Total TCDF	1.9	—	0.26		2,3,7,8-TCDD-13C	2.00	81
					1,2,3,7,8-PeCDF-13C	2.00	92
2,3,7,8-TCDD	ND	—	0.22		2,3,4,7,8-PeCDF-13C	2.00	93
Total TCDD	ND	—	0.22		1,2,3,7,8-PeCDD-13C	2.00	101
					1,2,3,4,7,8-HxCDF-13C	2.00	84
1,2,3,7,8-PeCDF	—	33	0.15	P	1,2,3,6,7,8-HxCDF-13C	2.00	89
2,3,4,7,8-PeCDF	3.1	—	0.26	J	2,3,4,6,7,8-HxCDF-13C	2.00	83
Total PeCDF	25	—	0.15		1,2,3,7,8,9-HxCDF-13C	2.00	84
					1,2,3,4,7,8-HxCDD-13C	2.00	74
1,2,3,7,8-PeCDD	ND	—	0.14		1,2,3,6,7,8-HxCDD-13C	2.00	100
Total PeCDD	ND	—	0.14		1,2,3,4,6,7,8-HpCDF-13C	2.00	80
					1,2,3,4,7,8,9-HpCDF-13C	2.00	78
1,2,3,4,7,8-HxCDF	—	0.73	0.076	IJ	1,2,3,4,6,7,8-HpCDD-13C	2.00	95
1,2,3,6,7,8-HxCDF	0.80	—	0.082	J	OCDD-13C	4.00	70
2,3,4,6,7,8-HxCDF	2.7	—	0.16	J			
1,2,3,7,8,9-HxCDF	1.2	—	0.13	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	38	—	0.076		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.41	0.18	IJ	2,3,7,8-TCDD-37Cl4	0.40	74
1,2,3,6,7,8-HxCDD	—	0.66	0.14	IJ			
1,2,3,7,8,9-HxCDD	0.48	—	0.12	J			
Total HxCDD	3.5	—	0.12	J			
1,2,3,4,6,7,8-HpCDF	6.6	—	0.14		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.30		Equivalence: 2.8 ng/Kg		
Total HpCDF	16	—	0.14		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	14	—	0.10				
Total HpCDD	25	—	0.10				
OCDF	8.6	—	0.18	J			
OCDD	110	—	0.30				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

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J = Estimated value

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S29		
Lab Sample ID	40265603011		
Filename	Y230811A_16		
Injected By	AH5		
Total Amount Extracted	10.0 g	Matrix	SOLID
% Moisture	4.8	Dilution	NA
Dry Weight Extracted	9.56 g	Collected	07/19/2023 10:12
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 18:54

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.8	—	0.68	V	2,3,7,8-TCDF-13C	2.00	79
Total TCDF	160	—	0.68		2,3,7,8-TCDD-13C	2.00	77
					1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	—	0.29		2,3,4,7,8-PeCDF-13C	2.00	85
Total TCDD	6.0	—	0.29		1,2,3,7,8-PeCDD-13C	2.00	92
					1,2,3,4,7,8-HxCDF-13C	2.00	73
1,2,3,7,8-PeCDF	—	300	0.60	P	1,2,3,6,7,8-HxCDF-13C	2.00	85
2,3,4,7,8-PeCDF	72	—	0.94		2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	620	—	0.60		1,2,3,7,8,9-HxCDF-13C	2.00	83
					1,2,3,4,7,8-HxCDD-13C	2.00	71
1,2,3,7,8-PeCDD	1.4	—	0.21	J	1,2,3,6,7,8-HxCDD-13C	2.00	87
Total PeCDD	20	—	0.21		1,2,3,4,6,7,8-HpCDF-13C	2.00	72
					1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	—	11	0.88	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	88
1,2,3,6,7,8-HxCDF	15	—	0.51		OCDD-13C	4.00	66
2,3,4,6,7,8-HxCDF	54	—	0.50				
1,2,3,7,8,9-HxCDF	—	14	0.31	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	750	—	0.31		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	2.5	—	0.18	J	2,3,7,8-TCDD-37Cl4	0.40	70
1,2,3,6,7,8-HxCDD	13	—	0.26				
1,2,3,7,8,9-HxCDD	6.6	—	0.27				
Total HxCDD	88	—	0.18				
1,2,3,4,6,7,8-HpCDF	110	—	0.32		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	6.6	—	0.68		Equivalence: 48 ng/Kg		
Total HpCDF	280	—	0.32		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	220	—	0.26				
Total HpCDD	410	—	0.26				
OCDF	110	—	0.24				
OCDD	1900	—	0.14				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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J = Estimated value

P = PCDE Interference

V = Result verified by confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S30		
Lab Sample ID	40265603012		
Filename	Y230811A_17		
Injected By	AH5		
Total Amount Extracted	10.4 g	Matrix	SOLID
% Moisture	5.3	Dilution	NA
Dry Weight Extracted	9.80 g	Collected	07/19/2023 10:35
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230811A_02	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 19:38

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.4	—	0.40	V	2,3,7,8-TCDF-13C	2.00	78
Total TCDF	46	—	0.40		2,3,7,8-TCDD-13C	2.00	76
					1,2,3,7,8-PeCDF-13C	2.00	82
2,3,7,8-TCDD	ND	—	0.25		2,3,4,7,8-PeCDF-13C	2.00	83
Total TCDD	8.7	—	0.25		1,2,3,7,8-PeCDD-13C	2.00	91
					1,2,3,4,7,8-HxCDF-13C	2.00	73
1,2,3,7,8-PeCDF	—	98	0.25	P	1,2,3,6,7,8-HxCDF-13C	2.00	84
2,3,4,7,8-PeCDF	11	—	0.15		2,3,4,6,7,8-HxCDF-13C	2.00	74
Total PeCDF	89	—	0.15		1,2,3,7,8,9-HxCDF-13C	2.00	76
					1,2,3,4,7,8-HxCDD-13C	2.00	62
1,2,3,7,8-PeCDD	1.4	—	0.21	J	1,2,3,6,7,8-HxCDD-13C	2.00	94
Total PeCDD	17	—	0.21		1,2,3,4,6,7,8-HpCDF-13C	2.00	69
					1,2,3,4,7,8,9-HpCDF-13C	2.00	67
1,2,3,4,7,8-HxCDF	—	6.4	0.46	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	83
1,2,3,6,7,8-HxCDF	4.9	—	0.32	J	OCDD-13C	4.00	61
2,3,4,6,7,8-HxCDF	12	—	0.47				
1,2,3,7,8,9-HxCDF	—	6.3	0.21	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	180	—	0.21		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	2.9	—	0.27	J	2,3,7,8-TCDD-37Cl4	0.40	69
1,2,3,6,7,8-HxCDD	6.4	—	0.14				
1,2,3,7,8,9-HxCDD	4.3	—	0.17	J			
Total HxCDD	64	—	0.14				
1,2,3,4,6,7,8-HpCDF	73	—	0.38		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	4.1	—	0.62	J	Equivalence: 15 ng/Kg		
Total HpCDF	170	—	0.38		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	150	—	0.12				
Total HpCDD	290	—	0.12				
OCDF	85	—	0.27				
OCDD	1200	—	0.30				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S31		
Lab Sample ID	40265603013		
Filename	L230811B_13		
Injected By	JRH		
Total Amount Extracted	10.1 g	Matrix	SOLID
% Moisture	4.6	Dilution	NA
Dry Weight Extracted	9.60 g	Collected	07/19/2023 10:38
ICAL ID	L230613	Received	07/26/2023 15:50
CCal Filename(s)	L230811A_09	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/11/2023 23:56

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.50	—	0.21	J	2,3,7,8-TCDF-13C	2.00	80
Total TCDF	16	—	0.21		2,3,7,8-TCDD-13C	2.00	75
					1,2,3,7,8-PeCDF-13C	2.00	93
2,3,7,8-TCDD	ND	—	0.061		2,3,4,7,8-PeCDF-13C	2.00	94
Total TCDD	1.3	—	0.061		1,2,3,7,8-PeCDD-13C	2.00	91
					1,2,3,4,7,8-HxCDF-13C	2.00	99
1,2,3,7,8-PeCDF	ND	—	0.20		1,2,3,6,7,8-HxCDF-13C	2.00	87
2,3,4,7,8-PeCDF	7.7	—	0.13		2,3,4,6,7,8-HxCDF-13C	2.00	90
Total PeCDF	95	—	0.13		1,2,3,7,8,9-HxCDF-13C	2.00	87
					1,2,3,4,7,8-HxCDD-13C	2.00	82
1,2,3,7,8-PeCDD	—	0.42	0.13	IJ	1,2,3,6,7,8-HxCDD-13C	2.00	77
Total PeCDD	2.3	—	0.13	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	72
					1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	8.2	—	0.12		1,2,3,4,6,7,8-HpCDD-13C	2.00	87
1,2,3,6,7,8-HxCDF	—	5.8	0.12	P	OCDD-13C	4.00	62
2,3,4,6,7,8-HxCDF	8.7	—	0.15				
1,2,3,7,8,9-HxCDF	1.1	—	0.16	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	78	—	0.12		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.1	—	0.059	BJ	2,3,7,8-TCDD-37Cl4	0.40	67
1,2,3,6,7,8-HxCDD	3.0	—	0.094	J			
1,2,3,7,8,9-HxCDD	1.6	—	0.057	J			
Total HxCDD	19	—	0.057				
1,2,3,4,6,7,8-HpCDF	21	—	0.10		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	1.4	—	0.13	J	Equivalence: 6.6 ng/Kg		
Total HpCDF	22	—	0.10		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	52	—	0.12				
Total HpCDD	92	—	0.12				
OCDF	40	—	0.17				
OCDD	470	—	0.18				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
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NC = Not Calculated

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J = Estimated value

B = Less than 10x higher than method blank level

P = PCDE Interference

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S32		
Lab Sample ID	40265603014		
Filename	L230811B_14		
Injected By	JRH		
Total Amount Extracted	10.5 g	Matrix	SOLID
% Moisture	2.4	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	07/19/2023 10:56
ICAL ID	L230613	Received	07/26/2023 15:50
CCal Filename(s)	L230811A_09	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107666	Analyzed	08/12/2023 00:39

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.13		2,3,7,8-TCDF-13C	2.00	83
Total TCDF	0.64	—	0.13	J	2,3,7,8-TCDD-13C	2.00	78
					1,2,3,7,8-PeCDF-13C	2.00	97
2,3,7,8-TCDD	ND	—	0.077		2,3,4,7,8-PeCDF-13C	2.00	101
Total TCDD	0.15	—	0.077	J	1,2,3,7,8-PeCDD-13C	2.00	96
					1,2,3,4,7,8-HxCDF-13C	2.00	98
1,2,3,7,8-PeCDF	ND	—	0.15		1,2,3,6,7,8-HxCDF-13C	2.00	96
2,3,4,7,8-PeCDF	0.90	—	0.075	J	2,3,4,6,7,8-HxCDF-13C	2.00	99
Total PeCDF	7.6	—	0.075		1,2,3,7,8,9-HxCDF-13C	2.00	87
					1,2,3,4,7,8-HxCDD-13C	2.00	89
1,2,3,7,8-PeCDD	0.092	—	0.064	J	1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	0.092	—	0.064	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	81
					1,2,3,4,7,8,9-HpCDF-13C	2.00	75
1,2,3,4,7,8-HxCDF	0.75	—	0.079	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	87
1,2,3,6,7,8-HxCDF	0.57	—	0.074	J	OCDD-13C	4.00	63
2,3,4,6,7,8-HxCDF	—	0.71	0.076	I			
1,2,3,7,8,9-HxCDF	0.25	—	0.045	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	7.7	—	0.045		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.31	—	0.077	BJ	2,3,7,8-TCDD-37Cl4	0.40	69
1,2,3,6,7,8-HxCDD	0.47	—	0.068	J			
1,2,3,7,8,9-HxCDD	0.24	—	0.081	J			
Total HxCDD	3.2	—	0.068	J			
1,2,3,4,6,7,8-HpCDF	2.6	—	0.13	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.15		Equivalence: 0.84 ng/Kg		
Total HpCDF	2.6	—	0.13	J	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	9.3	—	0.062				
Total HpCDD	16	—	0.062				
OCDF	8.5	—	0.17	J			
OCDD	74	—	0.19				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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ND = Not Detected
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NC = Not Calculated

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J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S33		
Lab Sample ID	40265603015		
Filename	Y230816A_09		
Injected By	AH5		
Total Amount Extracted	10.8 g	Matrix	SOLID
% Moisture	6.8	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	07/19/2023 11:02
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230815A_24	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/16/2023 16:52

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.80	—	0.79	J	2,3,7,8-TCDF-13C	2.00	65
Total TCDF	32	—	0.79		2,3,7,8-TCDD-13C	2.00	69
					1,2,3,7,8-PeCDF-13C	2.00	73
2,3,7,8-TCDD	ND	—	0.21		2,3,4,7,8-PeCDF-13C	2.00	76
Total TCDD	3.4	—	0.21		1,2,3,7,8-PeCDD-13C	2.00	86
					1,2,3,4,7,8-HxCDF-13C	2.00	67
1,2,3,7,8-PeCDF	—	170	0.36	P	1,2,3,6,7,8-HxCDF-13C	2.00	69
2,3,4,7,8-PeCDF	12	—	0.28		2,3,4,6,7,8-HxCDF-13C	2.00	67
Total PeCDF	97	—	0.28		1,2,3,7,8,9-HxCDF-13C	2.00	69
					1,2,3,4,7,8-HxCDD-13C	2.00	65
1,2,3,7,8-PeCDD	0.67	—	0.18	J	1,2,3,6,7,8-HxCDD-13C	2.00	81
Total PeCDD	10	—	0.18		1,2,3,4,6,7,8-HpCDF-13C	2.00	71
					1,2,3,4,7,8,9-HpCDF-13C	2.00	75
1,2,3,4,7,8-HxCDF	—	5.9	0.34	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	93
1,2,3,6,7,8-HxCDF	4.2	—	0.27	J	OCDD-13C	4.00	71
2,3,4,6,7,8-HxCDF	12	—	0.40				
1,2,3,7,8,9-HxCDF	—	7.6	0.32	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	170	—	0.27		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.9	—	0.11	J	2,3,7,8-TCDD-37Cl4	0.20	60
1,2,3,6,7,8-HxCDD	5.5	—	0.16				
1,2,3,7,8,9-HxCDD	3.4	—	0.10	J			
Total HxCDD	44	—	0.10				
1,2,3,4,6,7,8-HpCDF	47	—	0.37		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	2.8	—	0.24	J	Equivalence: 15 ng/Kg		
Total HpCDF	110	—	0.24		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	100	—	0.12				
Total HpCDD	190	—	0.12				
OCDF	50	—	0.27				
OCDD	830	—	0.26				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S34		
Lab Sample ID	40265603016		
Filename	Y230816A_10		
Injected By	AH5		
Total Amount Extracted	11.0 g	Matrix	SOLID
% Moisture	10.1	Dilution	NA
Dry Weight Extracted	9.87 g	Collected	07/19/2023 12:04
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230815A_24	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/16/2023 17:36

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.5	—	0.74	C	2,3,7,8-TCDF-13C	2.00	64
Total TCDF	49	—	0.44		2,3,7,8-TCDD-13C	2.00	68
					1,2,3,7,8-PeCDF-13C	2.00	66
2,3,7,8-TCDD	ND	—	0.69		2,3,4,7,8-PeCDF-13C	2.00	65
Total TCDD	3.3	—	0.69		1,2,3,7,8-PeCDD-13C	2.00	73
					1,2,3,4,7,8-HxCDF-13C	2.00	89
1,2,3,7,8-PeCDF	—	3.9	0.30	PJ	1,2,3,6,7,8-HxCDF-13C	2.00	108
2,3,4,7,8-PeCDF	14	—	0.24		2,3,4,6,7,8-HxCDF-13C	2.00	81
Total PeCDF	320	—	0.24		1,2,3,7,8,9-HxCDF-13C	2.00	89
					1,2,3,4,7,8-HxCDD-13C	2.00	89
1,2,3,7,8-PeCDD	2.1	—	0.34	J	1,2,3,6,7,8-HxCDD-13C	2.00	106
Total PeCDD	13	—	0.34		1,2,3,4,6,7,8-HpCDF-13C	2.00	83
					1,2,3,4,7,8,9-HpCDF-13C	2.00	81
1,2,3,4,7,8-HxCDF	—	25	0.70	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	92
1,2,3,6,7,8-HxCDF	15	—	0.57		OCDD-13C	4.00	67
2,3,4,6,7,8-HxCDF	20	—	0.44				
1,2,3,7,8,9-HxCDF	3.3	—	0.56	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	410	—	0.44		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	3.6	0.32	IJ	2,3,7,8-TCDD-37Cl4	0.20	59
1,2,3,6,7,8-HxCDD	14	—	0.32				
1,2,3,7,8,9-HxCDD	5.2	—	0.29				
Total HxCDD	95	—	0.29				
1,2,3,4,6,7,8-HpCDF	100	—	0.50		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	7.6	—	0.98		Equivalence: 20 ng/Kg		
Total HpCDF	250	—	0.50		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	290	—	0.19				
Total HpCDD	600	—	0.19				
OCDF	150	—	0.73				
OCDD	2500	—	0.85				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

P = PCDE Interference

I = Isotope ratio out of specification

C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S35		
Lab Sample ID	40265603017		
Filename	Y230816A_11		
Injected By	AH5		
Total Amount Extracted	10.5 g	Matrix	SOLID
% Moisture	3.6	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	07/19/2023 12:10
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230815A_24	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/16/2023 18:19

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.70		2,3,7,8-TCDF-13C	2.00	70
Total TCDF	ND	—	0.70		2,3,7,8-TCDD-13C	2.00	74
					1,2,3,7,8-PeCDF-13C	2.00	81
2,3,7,8-TCDD	ND	—	0.54		2,3,4,7,8-PeCDF-13C	2.00	84
Total TCDD	ND	—	0.54		1,2,3,7,8-PeCDD-13C	2.00	95
					1,2,3,4,7,8-HxCDF-13C	2.00	75
1,2,3,7,8-PeCDF	—	14	0.29	P	1,2,3,6,7,8-HxCDF-13C	2.00	80
2,3,4,7,8-PeCDF	1.0	—	0.24	J	2,3,4,6,7,8-HxCDF-13C	2.00	77
Total PeCDF	7.7	—	0.24		1,2,3,7,8,9-HxCDF-13C	2.00	75
					1,2,3,4,7,8-HxCDD-13C	2.00	77
1,2,3,7,8-PeCDD	ND	—	0.22		1,2,3,6,7,8-HxCDD-13C	2.00	88
Total PeCDD	ND	—	0.22		1,2,3,4,6,7,8-HpCDF-13C	2.00	81
					1,2,3,4,7,8,9-HpCDF-13C	2.00	82
1,2,3,4,7,8-HxCDF	ND	—	0.16		1,2,3,4,6,7,8-HpCDD-13C	2.00	103
1,2,3,6,7,8-HxCDF	ND	—	0.16		OCDD-13C	4.00	84
2,3,4,6,7,8-HxCDF	—	0.78	0.18	IJ			
1,2,3,7,8,9-HxCDF	ND	—	0.11		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	11	—	0.11		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.31	—	0.15	J	2,3,7,8-TCDD-37Cl4	0.20	67
1,2,3,6,7,8-HxCDD	—	0.26	0.17	IJ			
1,2,3,7,8,9-HxCDD	ND	—	0.13				
Total HxCDD	1.6	—	0.13	J			
1,2,3,4,6,7,8-HpCDF	2.3	—	0.29	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.33		Equivalence: 0.95 ng/Kg		
Total HpCDF	6.0	—	0.29		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	3.8	—	0.19	J			
Total HpCDD	6.9	—	0.19				
OCDF	2.7	—	0.39	J			
OCDD	35	—	0.47				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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J = Estimated value

P = PCDE Interference

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S36		
Lab Sample ID	40265603018		
Filename	Y230819A_02		
Injected By	SM		
Total Amount Extracted	10.9 g	Matrix	SOLID
% Moisture	13.3	Dilution	NA
Dry Weight Extracted	9.43 g	Collected	07/19/2023 15:04
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230818C_15	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/19/2023 03:43

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	3.1	—	0.45	V	2,3,7,8-TCDF-13C	2.00	67
Total TCDF	120	—	0.45		2,3,7,8-TCDD-13C	2.00	66
					1,2,3,7,8-PeCDF-13C	2.00	66
2,3,7,8-TCDD	0.75	—	0.15	J	2,3,4,7,8-PeCDF-13C	2.00	69
Total TCDD	13	—	0.15		1,2,3,7,8-PeCDD-13C	2.00	72
					1,2,3,4,7,8-HxCDF-13C	2.00	70
1,2,3,7,8-PeCDF	—	280	0.33	P	1,2,3,6,7,8-HxCDF-13C	2.00	70
2,3,4,7,8-PeCDF	44	—	0.33		2,3,4,6,7,8-HxCDF-13C	2.00	67
Total PeCDF	270	—	0.33		1,2,3,7,8,9-HxCDF-13C	2.00	68
					1,2,3,4,7,8-HxCDD-13C	2.00	65
1,2,3,7,8-PeCDD	4.7	—	0.28	J	1,2,3,6,7,8-HxCDD-13C	2.00	68
Total PeCDD	35	—	0.28		1,2,3,4,6,7,8-HpCDF-13C	2.00	60
					1,2,3,4,7,8,9-HpCDF-13C	2.00	60
1,2,3,4,7,8-HxCDF	—	21	0.87	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	69
1,2,3,6,7,8-HxCDF	16	—	0.69		OCDD-13C	4.00	59
2,3,4,6,7,8-HxCDF	46	—	0.49				
1,2,3,7,8,9-HxCDF	—	17	0.43	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	610	—	0.43		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	7.3	—	0.45		2,3,7,8-TCDD-37Cl4	0.20	58
1,2,3,6,7,8-HxCDD	23	—	0.62				
1,2,3,7,8,9-HxCDD	15	—	0.39				
Total HxCDD	200	—	0.39				
1,2,3,4,6,7,8-HpCDF	200	—	0.48		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	12	—	0.48		Equivalence: 50 ng/Kg		
Total HpCDF	440	—	0.48		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	450	—	0.30				
Total HpCDD	850	—	0.30				
OCDF	220	—	0.27				
OCDD	3500	—	0.38				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S37		
Lab Sample ID	40265603019		
Filename	Y230819A_03		
Injected By	SM		
Total Amount Extracted	10.9 g	Matrix	SOLID
% Moisture	9.4	Dilution	NA
Dry Weight Extracted	9.90 g	Collected	07/19/2023 15:08
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230818C_15	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/19/2023 04:26

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.8	—	0.41	C	2,3,7,8-TCDF-13C	2.00	66
Total TCDF	60	—	0.33		2,3,7,8-TCDD-13C	2.00	63
					1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	0.41	—	0.14	J	2,3,4,7,8-PeCDF-13C	2.00	68
Total TCDD	24	—	0.14		1,2,3,7,8-PeCDD-13C	2.00	70
					1,2,3,4,7,8-HxCDF-13C	2.00	70
1,2,3,7,8-PeCDF	—	31	0.12	P	1,2,3,6,7,8-HxCDF-13C	2.00	69
2,3,4,7,8-PeCDF	17	—	0.15		2,3,4,6,7,8-HxCDF-13C	2.00	66
Total PeCDF	130	—	0.12		1,2,3,7,8,9-HxCDF-13C	2.00	60
					1,2,3,4,7,8-HxCDD-13C	2.00	58
1,2,3,7,8-PeCDD	1.8	—	0.11	J	1,2,3,6,7,8-HxCDD-13C	2.00	72
Total PeCDD	26	—	0.11		1,2,3,4,6,7,8-HpCDF-13C	2.00	57
					1,2,3,4,7,8,9-HpCDF-13C	2.00	56
1,2,3,4,7,8-HxCDF	10	—	0.34		1,2,3,4,6,7,8-HpCDD-13C	2.00	69
1,2,3,6,7,8-HxCDF	9.4	—	0.32		OCDD-13C	4.00	58
2,3,4,6,7,8-HxCDF	19	—	0.30				
1,2,3,7,8,9-HxCDF	—	7.7	0.36	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	320	—	0.30		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	6.3	—	0.30		2,3,7,8-TCDD-37Cl4	0.20	55
1,2,3,6,7,8-HxCDD	16	—	0.28				
1,2,3,7,8,9-HxCDD	11	—	0.28				
Total HxCDD	140	—	0.28				
1,2,3,4,6,7,8-HpCDF	150	—	0.29		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	11	—	0.21		Equivalence: 23 ng/Kg		
Total HpCDF	410	—	0.21		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	370	—	0.18				
Total HpCDD	660	—	0.18				
OCDF	210	—	0.33				
OCDD	3100	—	0.38				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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J = Estimated value

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S38		
Lab Sample ID	40265603020		
Filename	Y230819A_04		
Injected By	SM		
Total Amount Extracted	10.7 g	Matrix	SOLID
% Moisture	7.8	Dilution	NA
Dry Weight Extracted	9.86 g	Collected	07/19/2023 15:11
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230818C_15	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/19/2023 05:10

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.5	—	0.34	V	2,3,7,8-TCDF-13C	2.00	74
Total TCDF	29	—	0.34		2,3,7,8-TCDD-13C	2.00	71
					1,2,3,7,8-PeCDF-13C	2.00	75
2,3,7,8-TCDD	0.36	—	0.26	J	2,3,4,7,8-PeCDF-13C	2.00	76
Total TCDD	11	—	0.26		1,2,3,7,8-PeCDD-13C	2.00	80
					1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	—	27	0.11	P	1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	8.5	—	0.25		2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	69	—	0.11		1,2,3,7,8,9-HxCDF-13C	2.00	72
					1,2,3,4,7,8-HxCDD-13C	2.00	67
1,2,3,7,8-PeCDD	1.6	—	0.24	J	1,2,3,6,7,8-HxCDD-13C	2.00	81
Total PeCDD	16	—	0.24		1,2,3,4,6,7,8-HpCDF-13C	2.00	66
					1,2,3,4,7,8,9-HpCDF-13C	2.00	66
1,2,3,4,7,8-HxCDF	6.7	—	0.25		1,2,3,4,6,7,8-HpCDD-13C	2.00	78
1,2,3,6,7,8-HxCDF	5.0	—	0.31	J	OCDD-13C	4.00	66
2,3,4,6,7,8-HxCDF	10	—	0.29				
1,2,3,7,8,9-HxCDF	—	3.6	0.36	PJ	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	160	—	0.25		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	4.8	—	0.27	J	2,3,7,8-TCDD-37Cl4	0.20	63
1,2,3,6,7,8-HxCDD	10	—	0.24				
1,2,3,7,8,9-HxCDD	7.7	—	0.14				
Total HxCDD	100	—	0.14				
1,2,3,4,6,7,8-HpCDF	95	—	0.43		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	4.7	—	0.57	J	Equivalence: 14 ng/Kg		
Total HpCDF	210	—	0.43		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	240	—	0.16				
Total HpCDD	460	—	0.16				
OCDF	120	—	0.78				
OCDD	1800	—	0.43				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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J = Estimated value

P = PCDE Interference

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S39		
Lab Sample ID	40265603021		
Filename	Y230819A_05		
Injected By	SM		
Total Amount Extracted	10.9 g	Matrix	SOLID
% Moisture	6.9	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	07/19/2023 15:45
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230818C_15	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/19/2023 05:53

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	—	0.96	0.95	U	2,3,7,8-TCDF-13C	2.00	71
Total TCDF	17	—	0.95		2,3,7,8-TCDD-13C	2.00	68
					1,2,3,7,8-PeCDF-13C	2.00	74
2,3,7,8-TCDD	ND	—	0.95		2,3,4,7,8-PeCDF-13C	2.00	74
Total TCDD	6.7	—	0.95		1,2,3,7,8-PeCDD-13C	2.00	79
					1,2,3,4,7,8-HxCDF-13C	2.00	77
1,2,3,7,8-PeCDF	—	51	1.0	P	1,2,3,6,7,8-HxCDF-13C	2.00	76
2,3,4,7,8-PeCDF	12	—	1.9		2,3,4,6,7,8-HxCDF-13C	2.00	72
Total PeCDF	78	—	1.0		1,2,3,7,8,9-HxCDF-13C	2.00	75
					1,2,3,4,7,8-HxCDD-13C	2.00	64
1,2,3,7,8-PeCDD	—	1.1	0.67	U	1,2,3,6,7,8-HxCDD-13C	2.00	83
Total PeCDD	6.1	—	0.67		1,2,3,4,6,7,8-HpCDF-13C	2.00	67
					1,2,3,4,7,8,9-HpCDF-13C	2.00	66
1,2,3,4,7,8-HxCDF	6.9	—	0.77		1,2,3,4,6,7,8-HpCDD-13C	2.00	76
1,2,3,6,7,8-HxCDF	—	4.8	1.2	U	OCDD-13C	4.00	60
2,3,4,6,7,8-HxCDF	8.6	—	1.0				
1,2,3,7,8,9-HxCDF	4.9	—	1.4		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	170	—	0.77		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	4.8	—	1.2	J	2,3,7,8-TCDD-37Cl4	0.20	59
1,2,3,6,7,8-HxCDD	13	—	1.5				
1,2,3,7,8,9-HxCDD	8.0	—	1.4				
Total HxCDD	100	—	1.2				
1,2,3,4,6,7,8-HpCDF	100	—	2.6		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	8.0	—	2.1		Equivalence: 16 ng/Kg		
Total HpCDF	240	—	2.1		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	280	—	0.95				
Total HpCDD	530	—	0.95				
OCDF	150	—	1.8				
OCDD	2200	—	2.9				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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J = Estimated value

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S40		
Lab Sample ID	40265603022		
Filename	L230817A_02		
Injected By	AH5		
Total Amount Extracted	10.6 g	Matrix	SOLID
% Moisture	5.7	Dilution	NA
Dry Weight Extracted	9.98 g	Collected	07/19/2023 15:51
ICAL ID	L230816	Received	07/26/2023 15:50
CCal Filename(s)	L230816B_18	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/17/2023 08:42

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.14	—	0.044	J	2,3,7,8-TCDF-13C	2.00	78
Total TCDF	4.2	—	0.044		2,3,7,8-TCDD-13C	2.00	74
					1,2,3,7,8-PeCDF-13C	2.00	70
2,3,7,8-TCDD	ND	—	0.082		2,3,4,7,8-PeCDF-13C	2.00	84
Total TCDD	0.91	—	0.082	J	1,2,3,7,8-PeCDD-13C	2.00	89
					1,2,3,4,7,8-HxCDF-13C	2.00	82
1,2,3,7,8-PeCDF	0.13	—	0.12	J	1,2,3,6,7,8-HxCDF-13C	2.00	83
2,3,4,7,8-PeCDF	0.75	—	0.025	J	2,3,4,6,7,8-HxCDF-13C	2.00	84
Total PeCDF	8.6	—	0.025		1,2,3,7,8,9-HxCDF-13C	2.00	80
					1,2,3,4,7,8-HxCDD-13C	2.00	88
1,2,3,7,8-PeCDD	—	0.14	0.050	IJ	1,2,3,6,7,8-HxCDD-13C	2.00	86
Total PeCDD	0.63	—	0.050	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	81
					1,2,3,4,7,8,9-HpCDF-13C	2.00	70
1,2,3,4,7,8-HxCDF	—	0.32	0.042	IJ	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	0.52	—	0.044	J	OCDD-13C	4.00	70
2,3,4,6,7,8-HxCDF	0.84	—	0.027	J			
1,2,3,7,8,9-HxCDF	0.29	—	0.050	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	8.1	—	0.027		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.45	—	0.075	J	2,3,7,8-TCDD-37Cl4	0.20	66
1,2,3,6,7,8-HxCDD	0.58	—	0.071	J			
1,2,3,7,8,9-HxCDD	0.45	—	0.042	J			
Total HxCDD	4.9	—	0.042	J			
1,2,3,4,6,7,8-HpCDF	5.3	—	0.060		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.37	—	0.17	J	Equivalence: 0.95 ng/Kg		
Total HpCDF	5.7	—	0.060		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	13	—	0.15				
Total HpCDD	24	—	0.15				
OCDF	8.3	—	0.13	J			
OCDD	110	—	0.13				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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J = Estimated value

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S41		
Lab Sample ID	40265603023		
Filename	Y230817A_02		
Injected By	AH5		
Total Amount Extracted	10.7 g	Matrix	SOLID
% Moisture	1.7	Dilution	NA
Dry Weight Extracted	10.5 g	Collected	07/20/2023 12:20
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230816B_17	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/17/2023 10:36

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.22		2,3,7,8-TCDF-13C	2.00	60
Total TCDF	ND	—	0.22		2,3,7,8-TCDD-13C	2.00	61
					1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	ND	—	0.17		2,3,4,7,8-PeCDF-13C	2.00	73
Total TCDD	ND	—	0.17		1,2,3,7,8-PeCDD-13C	2.00	83
					1,2,3,4,7,8-HxCDF-13C	2.00	73
1,2,3,7,8-PeCDF	—	0.72	0.15	U	1,2,3,6,7,8-HxCDF-13C	2.00	78
2,3,4,7,8-PeCDF	0.36	—	0.12	J	2,3,4,6,7,8-HxCDF-13C	2.00	74
Total PeCDF	0.76	—	0.12	J	1,2,3,7,8,9-HxCDF-13C	2.00	68
					1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	—	0.20	0.17	U	1,2,3,6,7,8-HxCDD-13C	2.00	83
Total PeCDD	0.42	—	0.17	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	73
					1,2,3,4,7,8,9-HpCDF-13C	2.00	67
1,2,3,4,7,8-HxCDF	0.35	—	0.10	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	86
1,2,3,6,7,8-HxCDF	—	0.19	0.10	U	OCDD-13C	4.00	62
2,3,4,6,7,8-HxCDF	—	0.29	0.11	U			
1,2,3,7,8,9-HxCDF	—	0.41	0.16	U	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.69	—	0.10	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.36	0.11	U	2,3,7,8-TCDD-37Cl4	0.20	56
1,2,3,6,7,8-HxCDD	ND	—	0.088				
1,2,3,7,8,9-HxCDD	0.39	—	0.081	J			
Total HxCDD	0.76	—	0.081	J			
1,2,3,4,6,7,8-HpCDF	—	0.37	0.18	U	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	—	0.48	0.26	U	Equivalence: 0.55 ng/Kg		
Total HpCDF	ND	—	0.18		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	—	0.88	0.24	U			
Total HpCDD	ND	—	0.24				
OCDF	1.2	—	0.27	J			
OCDD	5.3	—	0.42	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S42		
Lab Sample ID	40265603024		
Filename	Y230817A_03		
Injected By	AH5		
Total Amount Extracted	10.4 g	Matrix	SOLID
% Moisture	6.9	Dilution	NA
Dry Weight Extracted	9.73 g	Collected	07/20/2023 14:54
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230816B_17	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/17/2023 11:19

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.66		2,3,7,8-TCDF-13C	2.00	73
Total TCDF	6.4	—	0.66		2,3,7,8-TCDD-13C	2.00	75
					1,2,3,7,8-PeCDF-13C	2.00	83
2,3,7,8-TCDD	ND	—	0.22		2,3,4,7,8-PeCDF-13C	2.00	84
Total TCDD	ND	—	0.22		1,2,3,7,8-PeCDD-13C	2.00	94
					1,2,3,4,7,8-HxCDF-13C	2.00	78
1,2,3,7,8-PeCDF	—	19	0.21	P	1,2,3,6,7,8-HxCDF-13C	2.00	77
2,3,4,7,8-PeCDF	3.1	—	0.15	J	2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	19	—	0.15		1,2,3,7,8,9-HxCDF-13C	2.00	74
					1,2,3,4,7,8-HxCDD-13C	2.00	69
1,2,3,7,8-PeCDD	0.38	—	0.12	J	1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	3.6	—	0.12	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	70
					1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	1.4	—	0.091	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	—	1.1	0.11	IJ	OCDD-13C	4.00	68
2,3,4,6,7,8-HxCDF	3.1	—	0.12	J			
1,2,3,7,8,9-HxCDF	1.3	—	0.12	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	39	—	0.091		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	1.0	0.16	IJ	2,3,7,8-TCDD-37Cl4	0.20	67
1,2,3,6,7,8-HxCDD	2.0	—	0.29	J			
1,2,3,7,8,9-HxCDD	1.4	—	0.29	J			
Total HxCDD	15	—	0.16				
1,2,3,4,6,7,8-HpCDF	19	—	0.24		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	1.5	—	0.33	J	Equivalence: 3.8 ng/Kg		
Total HpCDF	43	—	0.24		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	45	—	0.14				
Total HpCDD	84	—	0.14				
OCDF	24	—	0.29				
OCDD	340	—	0.24				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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J = Estimated value

P = PCDE Interference

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S43		
Lab Sample ID	40265603025		
Filename	Y230817A_04		
Injected By	AH5		
Total Amount Extracted	10.6 g	Matrix	SOLID
% Moisture	5.3	Dilution	NA
Dry Weight Extracted	10.0 g	Collected	07/21/2023 09:46
ICAL ID	Y230607	Received	07/26/2023 15:50
CCal Filename(s)	Y230816B_17	Extracted	08/07/2023 15:55
Method Blank ID	BLANK-107668	Analyzed	08/17/2023 12:03

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.44		2,3,7,8-TCDF-13C	2.00	55
Total TCDF	ND	—	0.44		2,3,7,8-TCDD-13C	2.00	55
					1,2,3,7,8-PeCDF-13C	2.00	62
2,3,7,8-TCDD	ND	—	0.34		2,3,4,7,8-PeCDF-13C	2.00	67
Total TCDD	0.37	—	0.34	J	1,2,3,7,8-PeCDD-13C	2.00	74
					1,2,3,4,7,8-HxCDF-13C	2.00	53
1,2,3,7,8-PeCDF	—	5.8	0.19	P	1,2,3,6,7,8-HxCDF-13C	2.00	58
2,3,4,7,8-PeCDF	1.4	—	0.18	J	2,3,4,6,7,8-HxCDF-13C	2.00	54
Total PeCDF	7.5	—	0.18		1,2,3,7,8,9-HxCDF-13C	2.00	54
					1,2,3,4,7,8-HxCDD-13C	2.00	54
1,2,3,7,8-PeCDD	ND	—	0.22		1,2,3,6,7,8-HxCDD-13C	2.00	62
Total PeCDD	0.45	—	0.22	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	51
					1,2,3,4,7,8,9-HpCDF-13C	2.00	51
1,2,3,4,7,8-HxCDF	ND	—	0.11		1,2,3,4,6,7,8-HpCDD-13C	2.00	65
1,2,3,6,7,8-HxCDF	ND	—	0.13		OCDD-13C	4.00	44
2,3,4,6,7,8-HxCDF	1.1	—	0.14	J			
1,2,3,7,8,9-HxCDF	ND	—	0.16		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	11	—	0.11		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.30	0.22	IJ	2,3,7,8-TCDD-37Cl4	0.20	50
1,2,3,6,7,8-HxCDD	—	0.43	0.18	IJ			
1,2,3,7,8,9-HxCDD	0.37	—	0.21	J			
Total HxCDD	0.85	—	0.18	J			
1,2,3,4,6,7,8-HpCDF	3.9	—	0.25	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.48		Equivalence: 0.93 ng/Kg		
Total HpCDF	7.0	—	0.25		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	6.4	—	0.33				
Total HpCDD	13	—	0.33				
OCDF	3.2	—	0.62	J			
OCDD	50	—	0.65				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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J = Estimated value

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKGD	Matrix	Solid
Lab Sample ID	BLANK-107666	Dilution	NA
Filename	U230811B_05	Extracted	08/07/2023 15:55
Total Amount Extracted	10.0 g	Analyzed	08/11/2023 19:16
ICAL ID	U230726	Injected By	JRH
CCal Filename(s)	U230811A_06		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.14	2,3,7,8-TCDF-13C	2.00	79
Total TCDF	ND	—	0.14	2,3,7,8-TCDD-13C	2.00	77
				1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	—	0.13	2,3,4,7,8-PeCDF-13C	2.00	90
Total TCDD	ND	—	0.13	1,2,3,7,8-PeCDD-13C	2.00	106
				1,2,3,4,7,8-HxCDF-13C	2.00	68
1,2,3,7,8-PeCDF	ND	—	0.16	1,2,3,6,7,8-HxCDF-13C	2.00	75
2,3,4,7,8-PeCDF	ND	—	0.089	2,3,4,6,7,8-HxCDF-13C	2.00	71
Total PeCDF	ND	—	0.089	1,2,3,7,8,9-HxCDF-13C	2.00	69
				1,2,3,4,7,8-HxCDD-13C	2.00	82
1,2,3,7,8-PeCDD	ND	—	0.12	1,2,3,6,7,8-HxCDD-13C	2.00	93
Total PeCDD	ND	—	0.12	1,2,3,4,6,7,8-HpCDF-13C	2.00	87
				1,2,3,4,7,8,9-HpCDF-13C	2.00	99
1,2,3,4,7,8-HxCDF	ND	—	0.098	1,2,3,4,6,7,8-HpCDD-13C	2.00	104
1,2,3,6,7,8-HxCDF	ND	—	0.095	OCDD-13C	4.00	95
2,3,4,6,7,8-HxCDF	ND	—	0.095			
1,2,3,7,8,9-HxCDF	ND	—	0.12	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	0.095	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.18	—	0.14 J	2,3,7,8-TCDD-37Cl4	0.40	76
1,2,3,6,7,8-HxCDD	ND	—	0.13			
1,2,3,7,8,9-HxCDD	ND	—	0.13			
Total HxCDD	0.18	—	0.13 J			
1,2,3,4,6,7,8-HpCDF	ND	—	0.12	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.18	Equivalence: 0.018 ng/Kg		
Total HpCDF	ND	—	0.12	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	—	0.12			
Total HpCDD	ND	—	0.12			
OCDF	ND	—	0.18			
OCDD	0.60	—	0.22 J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

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J = Estimated value

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKGE	Matrix	Solid
Lab Sample ID	BLANK-107668	Dilution	NA
Filename	Y230816A_08	Extracted	08/07/2023 15:55
Total Amount Extracted	10.2 g	Analyzed	08/16/2023 16:09
ICAL ID	Y230607	Injected By	AH5
CCal Filename(s)	Y230815A_24		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.23	2,3,7,8-TCDF-13C	2.00	69
Total TCDF	ND	—	0.23	2,3,7,8-TCDD-13C	2.00	70
				1,2,3,7,8-PeCDF-13C	2.00	79
2,3,7,8-TCDD	ND	—	0.35	2,3,4,7,8-PeCDF-13C	2.00	81
Total TCDD	ND	—	0.35	1,2,3,7,8-PeCDD-13C	2.00	93
				1,2,3,4,7,8-HxCDF-13C	2.00	72
1,2,3,7,8-PeCDF	ND	—	0.12	1,2,3,6,7,8-HxCDF-13C	2.00	74
2,3,4,7,8-PeCDF	ND	—	0.064	2,3,4,6,7,8-HxCDF-13C	2.00	71
Total PeCDF	ND	—	0.064	1,2,3,7,8,9-HxCDF-13C	2.00	69
				1,2,3,4,7,8-HxCDD-13C	2.00	64
1,2,3,7,8-PeCDD	ND	—	0.13	1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	ND	—	0.13	1,2,3,4,6,7,8-HpCDF-13C	2.00	80
				1,2,3,4,7,8,9-HpCDF-13C	2.00	77
1,2,3,4,7,8-HxCDF	ND	—	0.069	1,2,3,4,6,7,8-HpCDD-13C	2.00	98
1,2,3,6,7,8-HxCDF	ND	—	0.10	OCDD-13C	4.00	79
2,3,4,6,7,8-HxCDF	ND	—	0.089			
1,2,3,7,8,9-HxCDF	—	0.16	0.13 J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	0.069	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	—	0.13	2,3,7,8-TCDD-37Cl4	0.20	57
1,2,3,6,7,8-HxCDD	ND	—	0.17			
1,2,3,7,8,9-HxCDD	ND	—	0.12			
Total HxCDD	ND	—	0.12			
1,2,3,4,6,7,8-HpCDF	ND	—	0.20	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	—	0.25	0.22 J	Equivalence: 0.018 ng/Kg		
Total HpCDF	ND	—	0.20	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	—	0.14			
Total HpCDD	ND	—	0.14			
OCDF	ND	—	0.18			
OCDD	0.71	—	0.31 J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

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J = Estimated value

I = Isotope ratio out of specification

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-107667	Matrix	Solid
Filename	U230811B_03	Dilution	NA
Total Amount Extracted	10.1 g	Extracted	08/07/2023 15:55
ICAL ID	U230726	Analyzed	08/11/2023 17:44
CCal Filename	U230811A_06	Injected By	JRH
Method Blank ID	BLANK-107666		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.6	7.5	15.8	96
2,3,7,8-TCDD	10	11	6.7	15.8	109
1,2,3,7,8-PeCDF	50	46	40.0	67.0	93
2,3,4,7,8-PeCDF	50	47	34.0	80.0	93
1,2,3,7,8-PeCDD	50	44	35.0	71.0	89
1,2,3,4,7,8-HxCDF	50	47	36.0	67.0	94
1,2,3,6,7,8-HxCDF	50	51	42.0	65.0	103
2,3,4,6,7,8-HxCDF	50	49	35.0	78.0	98
1,2,3,7,8,9-HxCDF	50	48	39.0	65.0	95
1,2,3,4,7,8-HxCDD	50	48	35.0	82.0	97
1,2,3,6,7,8-HxCDD	50	47	38.0	67.0	93
1,2,3,7,8,9-HxCDD	50	49	32.0	81.0	98
1,2,3,4,6,7,8-HpCDF	50	50	41.0	61.0	100
1,2,3,4,7,8,9-HpCDF	50	49	39.0	69.0	97
1,2,3,4,6,7,8-HpCDD	50	49	35.0	70.0	98
OCDF	100	95	63.0	170.0	95
OCDD	100	110	78.0	144.0	109
2,3,7,8-TCDD-37Cl4	20	15	6.2	38.2	74
2,3,7,8-TCDF-13C	100	76	22.0	152.0	76
2,3,7,8-TCDD-13C	100	76	20.0	175.0	76
1,2,3,7,8-PeCDF-13C	100	83	21.0	192.0	83
2,3,4,7,8-PeCDF-13C	100	87	13.0	328.0	87
1,2,3,7,8-PeCDD-13C	100	100	21.0	227.0	103
1,2,3,4,7,8-HxCDF-13C	100	67	19.0	202.0	67
1,2,3,6,7,8-HxCDF-13C	100	69	21.0	159.0	69
2,3,4,6,7,8-HxCDF-13C	100	67	22.0	176.0	67
1,2,3,7,8,9-HxCDF-13C	100	65	17.0	205.0	65
1,2,3,4,7,8-HxCDD-13C	100	75	21.0	193.0	75
1,2,3,6,7,8-HxCDD-13C	100	89	25.0	163.0	89
1,2,3,4,6,7,8-HpCDF-13C	100	80	21.0	158.0	80
1,2,3,4,7,8,9-HpCDF-13C	100	90	20.0	186.0	90
1,2,3,4,6,7,8-HpCDD-13C	100	93	26.0	166.0	93
OCDD-13C	200	170	26.0	397.0	86

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-107669	Matrix	Solid
Filename	Y230816A_01	Dilution	NA
Total Amount Extracted	10.5 g	Extracted	08/07/2023 15:55
ICAL ID	Y230607	Analyzed	08/16/2023 11:07
CCal Filename	Y230815A_24	Injected By	AH5
Method Blank ID	BLANK-107668		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	12	7.5	15.8	117
2,3,7,8-TCDD	10	12	6.7	15.8	119
1,2,3,7,8-PeCDF	50	52	40.0	67.0	104
2,3,4,7,8-PeCDF	50	54	34.0	80.0	108
1,2,3,7,8-PeCDD	50	51	35.0	71.0	102
1,2,3,4,7,8-HxCDF	50	54	36.0	67.0	109
1,2,3,6,7,8-HxCDF	50	56	42.0	65.0	113
2,3,4,6,7,8-HxCDF	50	55	35.0	78.0	109
1,2,3,7,8,9-HxCDF	50	56	39.0	65.0	113
1,2,3,4,7,8-HxCDD	50	52	35.0	82.0	105
1,2,3,6,7,8-HxCDD	50	60	38.0	67.0	119
1,2,3,7,8,9-HxCDD	50	57	32.0	81.0	115
1,2,3,4,6,7,8-HpCDF	50	54	41.0	61.0	108
1,2,3,4,7,8,9-HpCDF	50	55	39.0	69.0	109
1,2,3,4,6,7,8-HpCDD	50	51	35.0	70.0	102
OCDF	100	110	63.0	170.0	105
OCDD	100	120	78.0	144.0	121
2,3,7,8-TCDD-37Cl4	10	6.8	3.1	19.1	68
2,3,7,8-TCDF-13C	100	74	22.0	152.0	74
2,3,7,8-TCDD-13C	100	77	20.0	175.0	77
1,2,3,7,8-PeCDF-13C	100	86	21.0	192.0	86
2,3,4,7,8-PeCDF-13C	100	88	13.0	328.0	88
1,2,3,7,8-PeCDD-13C	100	100	21.0	227.0	101
1,2,3,4,7,8-HxCDF-13C	100	77	19.0	202.0	77
1,2,3,6,7,8-HxCDF-13C	100	80	21.0	159.0	80
2,3,4,6,7,8-HxCDF-13C	100	79	22.0	176.0	79
1,2,3,7,8,9-HxCDF-13C	100	81	17.0	205.0	81
1,2,3,4,7,8-HxCDD-13C	100	81	21.0	193.0	81
1,2,3,6,7,8-HxCDD-13C	100	86	25.0	163.0	86
1,2,3,4,6,7,8-HpCDF-13C	100	87	21.0	158.0	87
1,2,3,4,7,8,9-HpCDF-13C	100	91	20.0	186.0	91
1,2,3,4,6,7,8-HpCDD-13C	100	110	26.0	166.0	110
OCDD-13C	200	190	26.0	397.0	95

Cs = Concentration Spiked (ng/mL)
 Cr = Concentration Recovered (ng/mL)
 Rec. = Recovery (Expressed as Percent)
 Control Limit Reference: Method 1613, Table 6, 10/94 Revision
 R = Recovery outside of control limits
 Nn = Value obtained from additional analysis
 * = See Discussion

REPORT OF LABORATORY ANALYSIS

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Method 1613B Spiked Sample Report

Client - PACE Wisconsin

Client's Sample ID	S33-MS	Matrix	SOLID
Lab Sample ID	40265603015-MS	Dilution	NA
Filename	Y230816A_04	Extracted	08/07/2023 15:55
Total Amount Extracted	10.5 g	Analyzed	08/16/2023 13:16
ICAL ID	Y230607	Injected By	AH5
CCal Filename(s)	Y230815A_24		
Method Blank ID	BLANK-107668		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.25	121		2,3,7,8-TCDF-13C	2.00	58
Total TCDF					2,3,7,8-TCDD-13C	2.00	61
					1,2,3,7,8-PeCDF-13C	2.00	61
2,3,7,8-TCDD	0.20	0.23	117		2,3,4,7,8-PeCDF-13C	2.00	62
Total TCDD					1,2,3,7,8-PeCDD-13C	2.00	70
					1,2,3,4,7,8-HxCDF-13C	2.00	62
1,2,3,7,8-PeCDF	1.00	3.01	137	PR	1,2,3,6,7,8-HxCDF-13C	2.00	66
2,3,4,7,8-PeCDF	1.00	1.21	109		2,3,4,6,7,8-HxCDF-13C	2.00	62
Total PeCDF					1,2,3,7,8,9-HxCDF-13C	2.00	61
					1,2,3,4,7,8-HxCDD-13C	2.00	60
1,2,3,7,8-PeCDD	1.00	1.06	106		1,2,3,6,7,8-HxCDD-13C	2.00	72
Total PeCDD					1,2,3,4,6,7,8-HpCDF-13C	2.00	61
					1,2,3,4,7,8,9-HpCDF-13C	2.00	63
1,2,3,4,7,8-HxCDF	1.00	1.15	109	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	77
1,2,3,6,7,8-HxCDF	1.00	1.13	109		OCDD-13C	4.00	61
2,3,4,6,7,8-HxCDF	1.00	1.26	114				
1,2,3,7,8,9-HxCDF	1.00	1.22	114	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF					1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.26	124		2,3,7,8-TCDD-37Cl4	0.20	56
1,2,3,6,7,8-HxCDD	1.00	1.13	108				
1,2,3,7,8,9-HxCDD	1.00	1.16	112				
Total HxCDD							
1,2,3,4,6,7,8-HpCDF	1.00	1.51	105				
1,2,3,4,7,8,9-HpCDF	1.00	1.19	116				
Total HpCDF							
1,2,3,4,6,7,8-HpCDD	1.00	1.96	93				
Total HpCDD							
OCDF	2.00	2.54	102				
OCDD	2.00	9.80	82				

Qs = Quantity Spiked

Qm = Quantity Measured

Rec. = Recovery (Expressed as Percent)

Results reported on a total weight basis and are valid to no more than 2 significant figures.

J = Estimated value

I = Isotope ratio out of specification

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Method 1613B Spiked Sample Report

Client - PACE Wisconsin

Client's Sample ID	S33-MSD	Matrix	SOLID
Lab Sample ID	40265603015-MSD	Dilution	NA
Filename	Y230816A_05	Extracted	08/07/2023 15:55
Total Amount Extracted	10.9 g	Analyzed	08/16/2023 13:59
ICAL ID	Y230607	Injected By	AH5
CCal Filename(s)	Y230815A_24		
Method Blank ID	BLANK-107668		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.24	116		2,3,7,8-TCDF-13C	2.00	62
Total TCDF					2,3,7,8-TCDD-13C	2.00	66
					1,2,3,7,8-PeCDF-13C	2.00	68
2,3,7,8-TCDD	0.20	0.24	120		2,3,4,7,8-PeCDF-13C	2.00	70
Total TCDD					1,2,3,7,8-PeCDD-13C	2.00	79
					1,2,3,4,7,8-HxCDF-13C	2.00	64
1,2,3,7,8-PeCDF	1.00	3.66	196	PR	1,2,3,6,7,8-HxCDF-13C	2.00	67
2,3,4,7,8-PeCDF	1.00	1.18	105		2,3,4,6,7,8-HxCDF-13C	2.00	63
Total PeCDF					1,2,3,7,8,9-HxCDF-13C	2.00	64
					1,2,3,4,7,8-HxCDD-13C	2.00	63
1,2,3,7,8-PeCDD	1.00	1.06	106		1,2,3,6,7,8-HxCDD-13C	2.00	72
Total PeCDD					1,2,3,4,6,7,8-HpCDF-13C	2.00	66
					1,2,3,4,7,8,9-HpCDF-13C	2.00	68
1,2,3,4,7,8-HxCDF	1.00	1.16	110	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	83
1,2,3,6,7,8-HxCDF	1.00	1.14	110		OCDD-13C	4.00	70
2,3,4,6,7,8-HxCDF	1.00	1.25	113				
1,2,3,7,8,9-HxCDF	1.00	1.20	112	P	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF					1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.23	121		2,3,7,8-TCDD-37Cl4	0.20	60
1,2,3,6,7,8-HxCDD	1.00	1.15	109				
1,2,3,7,8,9-HxCDD	1.00	1.14	111				
Total HxCDD							
1,2,3,4,6,7,8-HpCDF	1.00	1.51	103				
1,2,3,4,7,8,9-HpCDF	1.00	1.17	115				
Total HpCDF							
1,2,3,4,6,7,8-HpCDD	1.00	1.99	93				
Total HpCDD							
OCDF	2.00	2.59	104				
OCDD	2.00	10.00	78				

Qs = Quantity Spiked

Qm = Quantity Measured

Rec. = Recovery (Expressed as Percent)

Results reported on a total weight basis and are valid to no more than 2 significant figures.

J = Estimated value

I = Isotope ratio out of specification

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Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Method 1613 Spike Sample Results

Client - PACE Wisconsin

Client Sample ID S33
Lab Sample ID 40265603015
MS ID 40265603015-MS
MSD ID 40265603015-MSD

Sample Filename Y230816A_09
MS Filename Y230816A_04
MSD Filename Y230816A_05

Analyte	Quantity Spiked	<u>Unspiked Sample Contribution</u>		<u>Quantity Measured</u>		RPD	<u>Subtracted Recovery</u>	
	(ng)	to MS (ng)	to MSD (ng)	MS (ng)	MSD (ng)		MS (%)	MSD (%)
2,3,7,8-TCDF	0.20	0.00784	0.00811	0.25	0.24	4.1	121	116
2,3,7,8-TCDD	0.20	ND	ND	0.23	0.24	2.9	117	120
1,2,3,7,8-PeCDF	1.00	1.65	1.70	3.01	3.66	19.5	137	196
2,3,4,7,8-PeCDF	1.00	0.119	0.123	1.21	1.18	2.9	109	105
1,2,3,7,8-PeCDD	1.00	0.00655	0.00677	1.06	1.06	0.1	106	106
1,2,3,4,7,8-HxCDF	1.00	0.0579	0.0599	1.15	1.16	0.8	109	110
1,2,3,6,7,8-HxCDF	1.00	0.0409	0.0423	1.13	1.14	1.0	109	110
2,3,4,6,7,8-HxCDF	1.00	0.116	0.120	1.26	1.25	0.8	114	113
1,2,3,7,8,9-HxCDF	1.00	0.0740	0.0765	1.22	1.20	1.2	114	112
1,2,3,4,7,8-HxCDD	1.00	0.0188	0.0194	1.26	1.23	2.5	124	121
1,2,3,6,7,8-HxCDD	1.00	0.0538	0.0557	1.13	1.15	1.2	108	109
1,2,3,7,8,9-HxCDD	1.00	0.0336	0.0348	1.16	1.14	1.2	112	111
1,2,3,4,6,7,8-HpCDF	1.00	0.463	0.479	1.51	1.51	0.3	105	103
1,2,3,4,7,8,9-HpCDF	1.00	0.0277	0.0287	1.19	1.17	1.1	116	115
1,2,3,4,6,7,8-HpCDD	1.00	1.02	1.06	1.96	1.99	1.5	93	93
OCDF	2.00	0.491	0.508	2.54	2.59	2.0	102	104
OCDD	2.00	8.16	8.44	9.80	10.00	1.9	82	78

Quantity Spiked - the amount of analyte spiked into the spiked samples

Unspiked Sample Contribution - calculated based on the amount found in the sample and the extracted amounts of the spiked and unspiked samples

Quantity Measured - the total amount of analyte measured in the spiked samples

RPD - the Relative Percent Difference of the spiked sample Quantity Measured values

Subtracted Recovery - calculated after subtracting the unspiked sample contribution



November 13, 2023

Matt Michalski
REI

,

RE: Project: 9074 RIVERSIDE RAIL CORRIDOR
Pace Project No.: 40269499

Dear Matt Michalski:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2023. 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.

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

- Pace Analytical Services - Minneapolis

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Brian Bailey, REI Engineering



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 9074 RIVERSIDE RAIL CORRIDOR
Pace Project No.: 40269499

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW
Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

GMP+ Certification #: GMP050884

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification (A2LA) #: R-036

North Dakota Certification (MN) #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

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SAMPLE SUMMARY

Project: 9074 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40269499

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40269499001	S44(1')	Solid	10/12/23 09:40	10/13/23 08:20
40269499002	S45(2-3")	Solid	10/12/23 09:45	10/13/23 08:20
40269499003	S46(2-3")	Solid	10/12/23 09:50	10/13/23 08:20

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SAMPLE ANALYTE COUNT

Project: 9074 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40269499

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40269499001	S44(1')	ASTM D2974	JDL	1	PASI-M
40269499002	S45(2-3")	ASTM D2974	JDL	1	PASI-M
40269499003	S46(2-3")	ASTM D2974	JDL	1	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: 9074 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40269499

Sample: S44(1') Lab ID: 40269499001 Collected: 10/12/23 09:40 Received: 10/13/23 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	7.7	%	0.10	0.10	1		10/27/23 13:05		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 9074 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40269499

Sample: S45(2-3") Lab ID: 40269499002 Collected: 10/12/23 09:45 Received: 10/13/23 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	9.6	%	0.10	0.10	1		10/27/23 13:05		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 9074 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40269499

Sample: S46(2-3") Lab ID: 40269499003 Collected: 10/12/23 09:50 Received: 10/13/23 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	17.6	%	0.10	0.10	1		10/27/23 13:05		N2

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QUALITY CONTROL DATA

Project: 9074 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40269499

QC Batch: 913657

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight / %M by ASTM D2974

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 40269499001, 40269499002, 40269499003

SAMPLE DUPLICATE: 4807647

Parameter	Units	10672952001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	73.1	68.7	6	30	N2

SAMPLE DUPLICATE: 4807648

Parameter	Units	10672981002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.4	19.7	1	30	N2

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 9074 RIVERSIDE RAIL CORRIDOR
Pace Project No.: 40269499

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor, 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 - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 9074 RIVERSIDE RAIL CORRIDOR

Pace Project No.: 40269499

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40269499001	S44(1')	ASTM D2974	913657		
40269499002	S45(2-3")	ASTM D2974	913657		
40269499003	S46(2-3")	ASTM D2974	913657		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or
MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

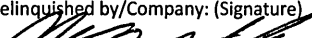
Company: REI Engineering Inc		Billing Information: REI Engineering Inc.	
Address: 4080 N 20th Ave, Aurora, CO 80011			
Report To: Matthew C Michalski		Email To: MMichalski@REIEngineering.com	
Copy To:		Site Collection Info/Address: 132 River St	
Customer Project Name/Number: Riverside Trail Corridor / 9075		State: WI County/City: Menasha / Waubesa Time Zone Collected: [] PT [] MT [X] CT [] ET	
Phone: (715) 615-9789	Site/Facility ID #: 02-37-584785	Compliance Monitoring? [] Yes [X] No	
Email: MMichalski@REIEngineering.com	Purchase Order #: 	DW PWS ID #: 	
Collected By (print): Matthew C Michalski	Quote #: 	DW Location Code: 	
Collected By (signature): 	Turnaround Date Required: As soon	Immediately Packed on Ice: [X] Yes [] No	
Sample Disposal: [X] Dispose as appropriate [] Return	Rush: [] Same Day [] Next Day	Field Filtered (if applicable): [] Yes [X] No	
[] Archive: _____	[] 2 Day [] 3 Day [] 4 Day [] 5 Day	Analysis: _____	
[] Hold: _____	(Expedite Charges Apply)		

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

[illegible]

Diary / Fences (Feb - Oct 17)
Dry weight

[illegible]

Customer Remarks / Special Conditions / Possible Hazards:		Type of Ice Used: Wet Blue Dry None		SHORT HOLDS PRESENT (<72 hours): Y N N/A		Lab Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#: _____ Cooler 1 Temp Upon Receipt: _____ °C Cooler 1 Therm Corr. Factor: _____ °C Cooler 1 Corrected Temp: _____ °C Comments: _____	
		Packing Material Used:		Lab Tracking #: 2909547			
		Radchem sample(s) screened (<500 cpm): Y N NA		Samples received via: FEDEX UPS Client Courier Pace Courier			
Relinquished by/Company: (Signature) 	Date/Time: 10/12/23 14:12	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY		Trip Blank Received: Y N NA HCL MeOH TSP Other	
				Table #: _____ Acctnum: _____ Template: _____ Prelogin: _____			
Relinquished by/Company: (Signature) WALTCO	Date/Time: 10/13/23 0820	Received by/Company: (Signature)  Pace	Date/Time: 10/13/23 0820			Non-Conformance(s): YES / NO	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	PM: PB:			Page 11 of 13 of: _____

Sample Preservation Receipt Form
Project # 40269499
☐ Yes ☒ No N/A
Lab Std #ID of preservation (if pH adjusted).

Client Name: REI
All containers needing preservation have been checked and noted below.
Lab Lot# of pH paper

Initial when completed
Date/ Time

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	JG9U	JG9U	WG9U	WPFU	SP5T	ZPLC	GN 1	GN 2						
001																				2													2.5 / 5
002																				2													2.5 / 5
003																				2													2.5 / 5
004																																	2.5 / 5
005																																	2.5 / 5
006																																	2.5 / 5
007																																	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

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	JG9U	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	WG9U	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	

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: REI

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Waltco
☐ Client ☐ Pace Other: _____

WO#: 40269499



Tracking #: _____

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-129 Type of Ice: Wet Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 3.0 /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: 10/13/23 /Initials: TLW

Labeled By Initials: mtt

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:

8.

For Analysis: ☒ Yes ☐ No MS/MSD: ☐ Yes ☒ No ☐ N/A

Correct Containers Used: ☒ Yes ☐ No

9.

Correct Type: Pace Green Bay, Pace IR, Non-Pace

Containers Intact: ☒ Yes ☐ No

10.

Filtered volume received for Dissolved tests ☐ Yes ☒ No ☐ N/A

11.

Sample Labels match COC: ☒ Yes ☐ No ☐ N/A

12.

-Includes date/time/ID/Analysis Matrix: SL

Trip Blank Present: ☐ Yes ☐ No ☒ N/A

13.

Trip Blank Custody Seals Present ☐ Yes ☐ No ☒ N/A

Pace Trip Blank Lot # (if purchased): _____

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Page 2 of 2

Report Prepared for:

Brian Basten
PACE Wisconsin
1241 Bellevue Street
Suite 9
Green Bay WI 54302

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Prepared Date:

November 13, 2023

Report Information:

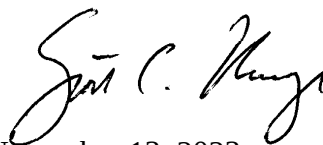
Pace Project #: 10672364
Sample Receipt Date: 10/14/2023
Client Project #: 40269499
Client Sub PO #: N/A
State Cert #: 999407970

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Scott Unze, your Pace Project Manager.

This report has been reviewed by:



November 13, 2023

Scott Unze, Project Manager
(612) 607-6383
(612) 607-6444 (fax)
scott.unze@pacelabs.com



Report of Laboratory Analysis

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The results relate only to the samples included in this report.

DISCUSSION

This report presents the results from the analyses performed on three samples submitted by a representative of Pace Analytical Services, LLC. The samples were analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using USEPA Method 1613B. The estimated detection limits (EDLs) were based on signal-to-noise measurements. Estimated maximum possible concentration (EMPC) values were treated as positives in the toxic equivalence calculations. Method blank and field sample results with reporting limits set to correspond to the lowest calibration points and adjusted for sample amount and dilution were provided in Appendix A.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 58-132%. Except for two elevated values, which were flagged "R" on the results table, the labeled standard recoveries obtained for this project were within the target ranges specified in Method 1613B. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

Values were flagged "I" where incorrect isotope ratios were obtained or "P" where polychlorinated diphenyl ethers were present. Concentrations below the calibration range were flagged "J" and should be regarded as estimates. The values reported for 2,3,7,8-TCDF were obtained from second column confirmation analyses and flagged "C".

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show that PCDDs and PCDFs were not detected.

A laboratory spike sample was also prepared using clean reference matrix that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 91-113%. These results were within the target ranges for the method. Matrix spikes were prepared with the extraction batch using sample material from a separate project; results from these analyses will be provided upon request.

REPORT OF LABORATORY ANALYSIS

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Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Missouri	10100
Alabama	40770	Montana	CERT0092
Alaska-DW	MN00064	Nebraska	NE-OS-18-06
Alaska-UST	17-009	Nevada	MN00064
Arizona	AZ0014	New Hampshire	2081
Arkansas - WW	88-0680	New Jersey	MN002
Arkansas-DW	MN00064	New York	11647
California	2929	North Carolina-	27700
Colorado	MN00064	North Carolina-	530
Connecticut	PH-0256	North Dakota	R-036
Florida	E87605	Ohio-DW	41244
Georgia	959	Ohio-VAP (170	CL101
Hawaii	MN00064	Ohio-VAP (180	CL110
Idaho	MN00064	Oklahoma	9507
Illinois	200011	Oregon-Primary	MN300001
Indiana	C-MN-01	Oregon-Second	MN200001
Iowa	368	Pennsylvania	68-00563
Kansas	E-10167	Puerto Rico	MN00064
Kentucky-DW	90062	South Carolina	74003
Kentucky-WW	90062	Tennessee	TN02818
Louisiana-DEQ	AI-84596	Texas	T104704192
Louisiana-DW	MN00064	Utah	MN00064
Maine	MN00064	Vermont	VT-027053137
Maryland	322	Virginia	460163
Michigan	9909	Washington	C486
Minnesota	027-053-137	West Virginia-D	382
Minnesota-Ag	via MN 027-053	West Virginia-D	9952C
Minnesota-Petr	1240	Wisconsin	999407970
Mississippi	MN00064	Wyoming-UST	via A2LA 2926.

REPORT OF LABORATORY ANALYSIS

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Report No.....10672364



Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

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Internal Transfer Chain of Custody



☐ Rush Multiplier ☒ X
☒ Samples Pre-Logged into eCOC

State Of Origin: WI
 Cert. Needed: ☒ Yes ☐ No

Workorder: 40269499 Workorder Name: 9074 RIVERSIDE RAIL CORRIDOR Owner Received Date: 10/13/2023 Results Requested By: 11/3/2023

Report To: Subcontractor

Brian Basten
 Pace Analytical Green Bay
 1241 Bellevue Street
 Suite 9
 Green Bay, WI 54302
 Phone (920)469-2436

Pace Analytical Minnesota
 1700 Elm Street SE
 Suite 200
 Minneapolis, MN 55414
 Phone (612)607-1700

WO#: 10672364



Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Preserved Containers		Matrix	Dioxin/Furan (Tetra Cals I)	LAB USE ONLY
					Unpreserved	Preserved			
1	S44(1')	PS	10/12/2023 09:40	40269499001			Solid	X	
2	S45(2-3')	PS	10/12/2023 09:45	40269499002			Solid	X	
3	S46(2-3')	PS	10/12/2023 09:50	40269499003			Solid	X	
4									
5									

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	Math. Dandampherk Pace	10/13/2023 10:00	Pace	10/14/21 10:30	Run dry weight in MN
2					
3					

Cooler Temperature on Receipt	3.0 °C	Custody Seal	Y	or	N	Received on Ice	Y	or	N	Samples Intact	Y	or	N
-------------------------------	--------	--------------	---	----	---	-----------------	---	----	---	----------------	---	----	---

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information is available in the owner laboratory.

Client Name: BEI
All containers needing preservation have been checked and noted below:
Project # 40269499
Lab Lot# of pH paper: ☐ Yes ☒ No
Lab Std #ID of preservation (if pH adjusted): 20269499

Sample Preservation Receipt Form

Initial when completed: _____
Date/Time: _____

Pace Lab #	Glass					Plastic					Vials					Jars					General					VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Acet 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	JG9U	WG9U	WPFU	SP5T	ZPLC	GN 1							
001																												2.5/5				
002																												2.5/5				
003																												2.5/5				
004																												2.5/5				
005																												2.5/5				
006																												2.5/5				
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018																												2.5/5				
019																												2.5/5				
020																												2.5/5				

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JG9U	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	WG9U	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	

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: RET

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Walto

☐ Client ☐ Pace Other: _____

Tracking #: _____

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-129 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: 10/3/23 / Initials: TLU

Labeled By Initials:

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:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☐ Yes ☒ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace		
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☒ No ☐ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>SL</u>		
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	13.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Page 2 of 2

DC#_Title: ENV-FRM-MIN4-0150 v13_Sample Condition Upon Receipt (SCUR)
Effective Date: 4/14/2023

Sample Condition
Upon Receipt
Client Name: PACE Green Bay

Project #:

WO#: 10672364

PM: SCU

Due Date: 11/06/23

CLIENT: PASI-WI

Courier: ☐ FedEx ☐ UPS ☐ USPS ☐ Client
☐ Pace ☐ Speedee ☒ Commercial

☐ See Exceptions
ENV-FRM-MIN4-0142

Tracking Number:

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other

Temp Blank? ☐ Yes ☒ No

Thermometer: ☒ T1 (0461) ☐ T2 (0436) ☐ T3 (0459) ☐ T4 (0402) ☐ T5 (0178)
☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252/1710

Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None
☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☒ No	Were All Container Temps Taken? ☐ Yes ☐ No ☒ N/A
Temp should be above freezing to 6 °C	Cooler temp Read w/Temp Blank: _____ °C
Correction Factor: <u>0.2</u>	Cooler Temp Corrected w/temp blank: _____ °C
Average Corrected Temp (no temp blank only): <u>3.0</u> °C	
☒ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container	

USDA Regulated Soil: ☐ N/A, water sample/other: _____

Date/Initials of Person Examining Contents: CLZ 10/14/23

Did samples originate in a quarantine zone within the United States: AL, AR, AZ CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check maps)? ☐ Yes ☒ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

Location (Check one): ☐ Duluth ☒ Minneapolis ☐ Virginia	COMMENTS
Chain of Custody Present and Filled Out?	1. ☒ Yes ☐ No
Chain of Custody Relinquished?	2. ☒ Yes ☐ No
Sampler Name and/or Signature on COC?	3. ☐ Yes ☐ No ☒ N/A
Samples Arrived within Hold Time?	4. If fecal: ☐ <8 hrs ☐ >8 hr, <24 ☐ No
Short Hold Time Analysis (<72 hr)?	5. ☒ Yes ☐ No <u>CLZ 10/14/23</u>
Residual Turn Around Time Requested?	6. ☐ Yes ☒ No
Sufficient Sample Volume?	7. ☒ Yes ☐ No
Correct Containers Used?	8. ☒ Yes ☐ No ☐ N/A
-Pace Containers Used?	9. ☒ Yes ☐ No
Containers Intact?	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Field Filtered Volume Received for Dissolved Tests?	11. If no, write ID/Date/Time of container below: ☐ See Exceptions ENV-FRM-MIN4-0142
Is sufficient information available to reconcile the samples to the COC?	12. Sample #
Matrix: ☐ Water ☒ Soil ☐ Oil ☐ Other	☐ NaOH ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ Zinc Acetate
All containers needing acid/base preservation have been checked?	Positive for Residual Chlorine? ☐ Yes ☐ No ☐ See Exceptions ENV-FRM-MIN4-0142
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >10 Cyanide)	pH Paper Lot #
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks--verify with PM first.)	Residual Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Headspace in Methyl Mercury Container?	13. ☐ Yes ☐ No ☒ N/A
Extra labels present on soil VOA or WIDRO containers?	14. ☐ Yes ☐ No ☒ N/A
Headspace in VOA Vials (greater than 6mm)?	15. ☐ Yes ☐ No ☒ N/A
3 Trip Blanks Present?	Pace Trip Blank Lot # (if purchased):
Trip Blank Custody Seals Present?	

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____

Date: 10/16/23

NOTE: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: _____

Line: _____



DC#_Title: ENV-FRM-MIN4-0142 v02_Sample Condition Upon Receipt
(SCUR) Exception Form

Effective Date: 09/22/2022

Workorder #:

No Temp Blank		
Read Temp	Corrected Temp	Average temp
3.0	3.2	3.0
2.7	2.9	
2.7	2.9	
2.6	2.8	

PM Notified of Out of Temp Cooler? ☐ Yes ☐ No

If yes, indicate who was contacted, date and time.
If no, indicate reason why.

Multiple Cooler Project? ☐ Yes ☐ No

If anything is OVER 6.0° C, you MUST document containers in this section HERE

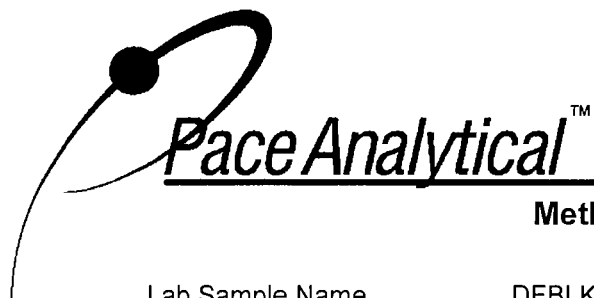
Tracking Number	Temperature

Out of Temp Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type Of Preserve	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance After Addition?		Initials
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	

Comments:



Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKXU	Matrix	Solid
Lab Sample ID	BLANK-109205	Dilution	NA
Filename	U231109B_09	Extracted	11/07/2023 15:10
Total Amount Extracted	10.3 g	Analyzed	11/10/2023 07:05
ICAL ID	U230926	Injected By	SM
CCal Filename(s)	U231109B_01		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.97	2,3,7,8-TCDF-13C	2.00	74
Total TCDF	ND	-----	0.97	2,3,7,8-TCDD-13C	2.00	67
				1,2,3,7,8-PeCDF-13C	2.00	72
2,3,7,8-TCDD	ND	-----	0.97	2,3,4,7,8-PeCDF-13C	2.00	69
Total TCDD	ND	-----	0.97	1,2,3,7,8-PeCDD-13C	2.00	72
				1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	ND	-----	4.9	1,2,3,6,7,8-HxCDF-13C	2.00	78
2,3,4,7,8-PeCDF	ND	-----	4.9	2,3,4,6,7,8-HxCDF-13C	2.00	74
Total PeCDF	ND	-----	4.9	1,2,3,7,8,9-HxCDF-13C	2.00	67
				1,2,3,4,7,8-HxCDD-13C	2.00	65
1,2,3,7,8-PeCDD	ND	-----	4.9	1,2,3,6,7,8-HxCDD-13C	2.00	86
Total PeCDD	ND	-----	4.9	1,2,3,4,6,7,8-HpCDF-13C	2.00	59
				1,2,3,4,7,8,9-HpCDF-13C	2.00	54
1,2,3,4,7,8-HxCDF	ND	-----	4.9	1,2,3,4,6,7,8-HpCDD-13C	2.00	56
1,2,3,6,7,8-HxCDF	ND	-----	4.9	OCDD-13C	4.00	57
2,3,4,6,7,8-HxCDF	ND	-----	4.9			
1,2,3,7,8,9-HxCDF	ND	-----	4.9	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	4.9	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	4.9	2,3,7,8-TCDD-37Cl4	0.20	66
1,2,3,6,7,8-HxCDD	ND	-----	4.9			
1,2,3,7,8,9-HxCDD	ND	-----	4.9			
Total HxCDD	ND	-----	4.9			
1,2,3,4,6,7,8-HpCDF	ND	-----	4.9	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	4.9	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	-----	4.9	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	4.9			
Total HpCDD	ND	-----	4.9			
OCDF	ND	-----	9.7			
OCDD	ND	-----	9.7			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

RL = Reporting Limit

Results reported on a total weight basis and are valid to no more than 2 significant figures.

REPORT OF LABORATORY ANALYSIS

Report No.....10672364

Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S44(1')		
Lab Sample ID	40269499001-R		
Filename	U231109B_10		
Injected By	SM		
Total Amount Extracted	10.4 g	Matrix	SOLID
% Moisture	7.7	Dilution	NA
Dry Weight Extracted	9.55 g	Collected	10/12/2023 09:40
ICAL ID	U230926	Received	10/14/2023 10:30
CCal Filename(s)	U231109B_01	Extracted	11/07/2023 15:10
Method Blank ID	BLANK-109205	Analyzed	11/10/2023 07:51

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0 C	2,3,7,8-TCDF-13C	2.00	84
Total TCDF	14	-----	1.0	2,3,7,8-TCDD-13C	2.00	75
				1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	-----	1.0	2,3,4,7,8-PeCDF-13C	2.00	80
Total TCDD	1.4	-----	1.0	1,2,3,7,8-PeCDD-13C	2.00	79
				1,2,3,4,7,8-HxCDF-13C	2.00	84
1,2,3,7,8-PeCDF	ND	-----	5.2	1,2,3,6,7,8-HxCDF-13C	2.00	91
2,3,4,7,8-PeCDF	5.6	-----	5.2	2,3,4,6,7,8-HxCDF-13C	2.00	86
Total PeCDF	84	-----	5.2	1,2,3,7,8,9-HxCDF-13C	2.00	78
				1,2,3,4,7,8-HxCDD-13C	2.00	75
1,2,3,7,8-PeCDD	ND	-----	5.2	1,2,3,6,7,8-HxCDD-13C	2.00	96
Total PeCDD	ND	-----	5.2	1,2,3,4,6,7,8-HpCDF-13C	2.00	66
				1,2,3,4,7,8,9-HpCDF-13C	2.00	64
1,2,3,4,7,8-HxCDF	ND	-----	5.2	1,2,3,4,6,7,8-HpCDD-13C	2.00	65
1,2,3,6,7,8-HxCDF	ND	-----	5.2	OCDD-13C	4.00	69
2,3,4,6,7,8-HxCDF	6.8	-----	5.2			
1,2,3,7,8,9-HxCDF	ND	-----	5.2	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	95	-----	5.2	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.2	2,3,7,8-TCDD-37Cl4	0.20	74
1,2,3,6,7,8-HxCDD	ND	-----	5.2			
1,2,3,7,8,9-HxCDD	ND	-----	5.2			
Total HxCDD	20	-----	5.2			
1,2,3,4,6,7,8-HpCDF	30	-----	5.2	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.2	Equivalence: 3.7 ng/Kg		
Total HpCDF	66	-----	5.2	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	78	-----	5.2			
Total HpCDD	150	-----	5.2			
OCDF	42	-----	10			
OCDD	620	-----	10			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Report No.....10672364



Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S45(2-3")		
Lab Sample ID	40269499002-R		
Filename	U231109B_11		
Injected By	SM		
Total Amount Extracted	11.1 g	Matrix	SOLID
% Moisture	9.6	Dilution	NA
Dry Weight Extracted	10.0 g	Collected	10/12/2023 09:45
ICAL ID	U230926	Received	10/14/2023 10:30
CCal Filename(s)	U231109B_01	Extracted	11/07/2023 15:10
Method Blank ID	BLANK-109205	Analyzed	11/10/2023 08:38

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	2.7	----	1.00	C	2,3,7,8-TCDF-13C	2.00	86
Total TCDF	79	----	1.00		2,3,7,8-TCDD-13C	2.00	80
					1,2,3,7,8-PeCDF-13C	2.00	88
2,3,7,8-TCDD	ND	----	1.00		2,3,4,7,8-PeCDF-13C	2.00	81
Total TCDD	7.7	----	1.00		1,2,3,7,8-PeCDD-13C	2.00	85
					1,2,3,4,7,8-HxCDF-13C	2.00	125
1,2,3,7,8-PeCDF	ND	----	5.0		1,2,3,6,7,8-HxCDF-13C	2.00	126 R
2,3,4,7,8-PeCDF	27	----	5.0		2,3,4,6,7,8-HxCDF-13C	2.00	119
Total PeCDF	360	----	5.0		1,2,3,7,8,9-HxCDF-13C	2.00	104
					1,2,3,4,7,8-HxCDD-13C	2.00	105
1,2,3,7,8-PeCDD	ND	----	5.0		1,2,3,6,7,8-HxCDD-13C	2.00	132 R
Total PeCDD	9.0	----	5.0		1,2,3,4,6,7,8-HpCDF-13C	2.00	89
					1,2,3,4,7,8,9-HpCDF-13C	2.00	83
1,2,3,4,7,8-HxCDF	-----	10	5.0	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	87
1,2,3,6,7,8-HxCDF	12	----	5.0		OCDD-13C	4.00	92
2,3,4,6,7,8-HxCDF	29	----	5.0				
1,2,3,7,8,9-HxCDF	ND	----	5.0		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	400	----	5.0		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	5.0		2,3,7,8-TCDD-37Cl4	0.20	84
1,2,3,6,7,8-HxCDD	11	----	5.0				
1,2,3,7,8,9-HxCDD	ND	----	5.0				
Total HxCDD	87	----	5.0				
1,2,3,4,6,7,8-HpCDF	110	----	5.0		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	6.5	----	5.0		Equivalence: 19 ng/Kg		
Total HpCDF	250	----	5.0		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	220	----	5.0				
Total HpCDD	410	----	5.0				
OCDF	140	----	10.0				
OCDD	1500	----	10.0				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

R = Recovery outside target range

P = PCDE Interference

C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Report No.....10672364



Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S46(2-3")		
Lab Sample ID	40269499003-R		
Filename	U231109B_12		
Injected By	SM		
Total Amount Extracted	12.2 g	Matrix	SOLID
% Moisture	17.6	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	10/12/2023 09:50
ICAL ID	U230926	Received	10/14/2023 10:30
CCal Filename(s)	U231109B_01	Extracted	11/07/2023 15:10
Method Blank ID	BLANK-109205	Analyzed	11/10/2023 09:25

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.7	----	0.99	C	2,3,7,8-TCDF-13C	2.00	74
Total TCDF	54	----	0.99		2,3,7,8-TCDD-13C	2.00	60
					1,2,3,7,8-PeCDF-13C	2.00	76
2,3,7,8-TCDD	ND	----	0.99		2,3,4,7,8-PeCDF-13C	2.00	71
Total TCDD	4.5	----	0.99		1,2,3,7,8-PeCDD-13C	2.00	72
					1,2,3,4,7,8-HxCDF-13C	2.00	79
1,2,3,7,8-PeCDF	ND	----	5.0		1,2,3,6,7,8-HxCDF-13C	2.00	78
2,3,4,7,8-PeCDF	21	----	5.0		2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	270	----	5.0		1,2,3,7,8,9-HxCDF-13C	2.00	68
					1,2,3,4,7,8-HxCDD-13C	2.00	66
1,2,3,7,8-PeCDD	ND	----	5.0		1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	ND	----	5.0		1,2,3,4,6,7,8-HpCDF-13C	2.00	60
					1,2,3,4,7,8,9-HpCDF-13C	2.00	58
1,2,3,4,7,8-HxCDF	-----	13	5.0	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	59
1,2,3,6,7,8-HxCDF	8.9	----	5.0		OCDD-13C	4.00	58
2,3,4,6,7,8-HxCDF	21	----	5.0				
1,2,3,7,8,9-HxCDF	ND	----	5.0		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	300	----	5.0		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	5.0		2,3,7,8-TCDD-37Cl4	0.20	62
1,2,3,6,7,8-HxCDD	6.9	----	5.0				
1,2,3,7,8,9-HxCDD	ND	----	5.0				
Total HxCDD	55	----	5.0				
1,2,3,4,6,7,8-HpCDF	68	----	5.0		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	5.0		Equivalence: 14 ng/Kg		
Total HpCDF	140	----	5.0		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	140	----	5.0				
Total HpCDD	250	----	5.0				
OCDF	87	----	9.9				
OCDD	1000	----	9.9				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

P = PCDE Interference

C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Report No.....10672364



Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- H2 = Extracted outside of holding time
- I = Isotope ratio out of specification
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
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Minneapolis, MN 55414
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www.pacelabs.com

Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S44(1')		
Lab Sample ID	40269499001-R		
Filename	U231109B_10		
Injected By	SM		
Total Amount Extracted	10.4 g	Matrix	SOLID
% Moisture	7.7	Dilution	NA
Dry Weight Extracted	9.55 g	Collected	10/12/2023 09:40
ICAL ID	U230926	Received	10/14/2023 10:30
CCal Filename(s)	U231109B_01	Extracted	11/07/2023 15:10
Method Blank ID	BLANK-109205	Analyzed	11/10/2023 07:51

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.54	—	0.33	JC	2,3,7,8-TCDF-13C	2.00	84
Total TCDF	15	—	0.21		2,3,7,8-TCDD-13C	2.00	75
					1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	—	0.41		2,3,4,7,8-PeCDF-13C	2.00	80
Total TCDD	2.1	—	0.41		1,2,3,7,8-PeCDD-13C	2.00	79
					1,2,3,4,7,8-HxCDF-13C	2.00	84
1,2,3,7,8-PeCDF	ND	—	0.25		1,2,3,6,7,8-HxCDF-13C	2.00	91
2,3,4,7,8-PeCDF	5.6	—	0.18		2,3,4,6,7,8-HxCDF-13C	2.00	86
Total PeCDF	84	—	0.18		1,2,3,7,8,9-HxCDF-13C	2.00	78
					1,2,3,4,7,8-HxCDD-13C	2.00	75
1,2,3,7,8-PeCDD	ND	—	0.32		1,2,3,6,7,8-HxCDD-13C	2.00	96
Total PeCDD	2.8	—	0.32	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	66
					1,2,3,4,7,8,9-HpCDF-13C	2.00	64
1,2,3,4,7,8-HxCDF	1.5	—	1.2	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	65
1,2,3,6,7,8-HxCDF	3.0	—	1.1	J	OCDD-13C	4.00	69
2,3,4,6,7,8-HxCDF	6.8	—	1.1				
1,2,3,7,8,9-HxCDF	ND	—	1.5		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	99	—	1.1		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.2	—	0.28	J	2,3,7,8-TCDD-37Cl4	0.20	74
1,2,3,6,7,8-HxCDD	3.2	—	0.24	J			
1,2,3,7,8,9-HxCDD	2.0	—	0.25	J			
Total HxCDD	28	—	0.24				
1,2,3,4,6,7,8-HpCDF	30	—	0.43		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	—	1.5	0.57	U	Equivalence: 4.8 ng/Kg		
Total HpCDF	66	—	0.43		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	78	—	0.46				
Total HpCDD	150	—	0.46				
OCDF	42	—	0.58				
OCDD	620	—	0.60				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

I = Isotope ratio out of specification

C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S45(2-3")		
Lab Sample ID	40269499002-R		
Filename	U231109B_11		
Injected By	SM		
Total Amount Extracted	11.1 g	Matrix	SOLID
% Moisture	9.6	Dilution	NA
Dry Weight Extracted	10.0 g	Collected	10/12/2023 09:45
ICAL ID	U230926	Received	10/14/2023 10:30
CCal Filename(s)	U231109B_01	Extracted	11/07/2023 15:10
Method Blank ID	BLANK-109205	Analyzed	11/10/2023 08:38

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	2.7	—	0.65	C	2,3,7,8-TCDF-13C	2.00	86
Total TCDF	79	—	0.21		2,3,7,8-TCDD-13C	2.00	80
					1,2,3,7,8-PeCDF-13C	2.00	88
2,3,7,8-TCDD	ND	—	0.50		2,3,4,7,8-PeCDF-13C	2.00	81
Total TCDD	7.7	—	0.50		1,2,3,7,8-PeCDD-13C	2.00	85
					1,2,3,4,7,8-HxCDF-13C	2.00	125
1,2,3,7,8-PeCDF	2.3	—	0.51	J	1,2,3,6,7,8-HxCDF-13C	2.00	126 R
2,3,4,7,8-PeCDF	27	—	0.39		2,3,4,6,7,8-HxCDF-13C	2.00	119
Total PeCDF	360	—	0.39		1,2,3,7,8,9-HxCDF-13C	2.00	104
					1,2,3,4,7,8-HxCDD-13C	2.00	105
1,2,3,7,8-PeCDD	1.9	—	0.20	J	1,2,3,6,7,8-HxCDD-13C	2.00	132 R
Total PeCDD	26	—	0.20		1,2,3,4,6,7,8-HpCDF-13C	2.00	89
					1,2,3,4,7,8,9-HpCDF-13C	2.00	83
1,2,3,4,7,8-HxCDF	—	10	0.80	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	87
1,2,3,6,7,8-HxCDF	12	—	0.91		OCDD-13C	4.00	92
2,3,4,6,7,8-HxCDF	29	—	0.86				
1,2,3,7,8,9-HxCDF	ND	—	1.1		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	400	—	0.80		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	3.6	—	0.20	J	2,3,7,8-TCDD-37Cl4	0.20	84
1,2,3,6,7,8-HxCDD	11	—	0.16				
1,2,3,7,8,9-HxCDD	4.4	—	0.17	J			
Total HxCDD	95	—	0.16				
1,2,3,4,6,7,8-HpCDF	110	—	0.60		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	6.5	—	0.92		Equivalence: 21 ng/Kg		
Total HpCDF	250	—	0.60		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	220	—	0.27				
Total HpCDD	410	—	0.27				
OCDF	140	—	0.65				
OCDD	1500	—	0.59				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

R = Recovery outside target range

P = PCDE Interference

C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	S46(2-3")		
Lab Sample ID	40269499003-R		
Filename	U231109B_12		
Injected By	SM		
Total Amount Extracted	12.2 g	Matrix	SOLID
% Moisture	17.6	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	10/12/2023 09:50
ICAL ID	U230926	Received	10/14/2023 10:30
CCal Filename(s)	U231109B_01	Extracted	11/07/2023 15:10
Method Blank ID	BLANK-109205	Analyzed	11/10/2023 09:25

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.7	—	0.44	C	2,3,7,8-TCDF-13C	2.00	74
Total TCDF	54	—	0.21		2,3,7,8-TCDD-13C	2.00	60
					1,2,3,7,8-PeCDF-13C	2.00	76
2,3,7,8-TCDD	ND	—	0.49		2,3,4,7,8-PeCDF-13C	2.00	71
Total TCDD	5.0	—	0.49		1,2,3,7,8-PeCDD-13C	2.00	72
					1,2,3,4,7,8-HxCDF-13C	2.00	79
1,2,3,7,8-PeCDF	ND	—	0.43		1,2,3,6,7,8-HxCDF-13C	2.00	78
2,3,4,7,8-PeCDF	21	—	0.30		2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	270	—	0.30		1,2,3,7,8,9-HxCDF-13C	2.00	68
					1,2,3,4,7,8-HxCDD-13C	2.00	66
1,2,3,7,8-PeCDD	1.3	—	0.25	J	1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	5.9	—	0.25		1,2,3,4,6,7,8-HpCDF-13C	2.00	60
					1,2,3,4,7,8,9-HpCDF-13C	2.00	58
1,2,3,4,7,8-HxCDF	—	13	1.1	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	59
1,2,3,6,7,8-HxCDF	8.9	—	1.2		OCDD-13C	4.00	58
2,3,4,6,7,8-HxCDF	21	—	1.2				
1,2,3,7,8,9-HxCDF	ND	—	1.5		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	300	—	1.1		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	2.5	—	0.34	J	2,3,7,8-TCDD-37Cl4	0.20	62
1,2,3,6,7,8-HxCDD	6.9	—	0.28				
1,2,3,7,8,9-HxCDD	3.8	—	0.30	J			
Total HxCDD	61	—	0.28				
1,2,3,4,6,7,8-HpCDF	68	—	0.65		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	4.4	—	0.97	J	Equivalence: 16 ng/Kg		
Total HpCDF	150	—	0.65		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	140	—	0.20				
Total HpCDD	250	—	0.20				
OCDF	87	—	0.78				
OCDD	1000	—	0.36				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

P = PCDE Interference

C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKXU	Matrix	Solid
Lab Sample ID	BLANK-109205	Dilution	NA
Filename	U231109B_09	Extracted	11/07/2023 15:10
Total Amount Extracted	10.3 g	Analyzed	11/10/2023 07:05
ICAL ID	U230926	Injected By	SM
CCal Filename(s)	U231109B_01		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.17	2,3,7,8-TCDF-13C	2.00	74
Total TCDF	ND	—	0.17	2,3,7,8-TCDD-13C	2.00	67
				1,2,3,7,8-PeCDF-13C	2.00	72
2,3,7,8-TCDD	ND	—	0.34	2,3,4,7,8-PeCDF-13C	2.00	69
Total TCDD	ND	—	0.34	1,2,3,7,8-PeCDD-13C	2.00	72
				1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	ND	—	0.24	1,2,3,6,7,8-HxCDF-13C	2.00	78
2,3,4,7,8-PeCDF	ND	—	0.17	2,3,4,6,7,8-HxCDF-13C	2.00	74
Total PeCDF	ND	—	0.17	1,2,3,7,8,9-HxCDF-13C	2.00	67
				1,2,3,4,7,8-HxCDD-13C	2.00	65
1,2,3,7,8-PeCDD	ND	—	0.17	1,2,3,6,7,8-HxCDD-13C	2.00	86
Total PeCDD	ND	—	0.17	1,2,3,4,6,7,8-HpCDF-13C	2.00	59
				1,2,3,4,7,8,9-HpCDF-13C	2.00	54
1,2,3,4,7,8-HxCDF	ND	—	0.16	1,2,3,4,6,7,8-HpCDD-13C	2.00	56
1,2,3,6,7,8-HxCDF	ND	—	0.16	OCDD-13C	4.00	57
2,3,4,6,7,8-HxCDF	ND	—	0.17			
1,2,3,7,8,9-HxCDF	ND	—	0.22	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	0.16	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	—	0.31	2,3,7,8-TCDD-37Cl4	0.20	66
1,2,3,6,7,8-HxCDD	ND	—	0.27			
1,2,3,7,8,9-HxCDD	ND	—	0.28			
Total HxCDD	ND	—	0.27			
1,2,3,4,6,7,8-HpCDF	ND	—	0.45	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.73	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	—	0.45	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	—	0.38			
Total HpCDD	ND	—	0.38			
OCDF	ND	—	0.54			
OCDD	ND	—	0.66			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

Results reported on a total weight basis and are valid to no more than 2 significant figures.

REPORT OF LABORATORY ANALYSIS

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-109207	Matrix	Solid
Filename	U231109B_07	Dilution	NA
Total Amount Extracted	10.8 g	Extracted	11/07/2023 15:10
ICAL ID	U230926	Analyzed	11/10/2023 05:31
CCal Filename	U231109B_01	Injected By	SM
Method Blank ID	BLANK-109205		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.9	7.5	15.8	99
2,3,7,8-TCDD	10	10	6.7	15.8	104
1,2,3,7,8-PeCDF	50	48	40.0	67.0	97
2,3,4,7,8-PeCDF	50	45	34.0	80.0	91
1,2,3,7,8-PeCDD	50	48	35.0	71.0	96
1,2,3,4,7,8-HxCDF	50	46	36.0	67.0	92
1,2,3,6,7,8-HxCDF	50	50	42.0	65.0	99
2,3,4,6,7,8-HxCDF	50	50	35.0	78.0	100
1,2,3,7,8,9-HxCDF	50	50	39.0	65.0	100
1,2,3,4,7,8-HxCDD	50	56	35.0	82.0	112
1,2,3,6,7,8-HxCDD	50	50	38.0	67.0	99
1,2,3,7,8,9-HxCDD	50	48	32.0	81.0	96
1,2,3,4,6,7,8-HpCDF	50	52	41.0	61.0	104
1,2,3,4,7,8,9-HpCDF	50	55	39.0	69.0	110
1,2,3,4,6,7,8-HpCDD	50	52	35.0	70.0	105
OCDF	100	110	63.0	170.0	113
OCDD	100	110	78.0	144.0	109
2,3,7,8-TCDD-37Cl4	10	6.7	3.1	19.1	67
2,3,7,8-TCDF-13C	100	77	22.0	152.0	77
2,3,7,8-TCDD-13C	100	62	20.0	175.0	62
1,2,3,7,8-PeCDF-13C	100	76	21.0	192.0	76
2,3,4,7,8-PeCDF-13C	100	74	13.0	328.0	74
1,2,3,7,8-PeCDD-13C	100	74	21.0	227.0	74
1,2,3,4,7,8-HxCDF-13C	100	81	19.0	202.0	81
1,2,3,6,7,8-HxCDF-13C	100	83	21.0	159.0	83
2,3,4,6,7,8-HxCDF-13C	100	77	22.0	176.0	77
1,2,3,7,8,9-HxCDF-13C	100	68	17.0	205.0	68
1,2,3,4,7,8-HxCDD-13C	100	69	21.0	193.0	69
1,2,3,6,7,8-HxCDD-13C	100	91	25.0	163.0	91
1,2,3,4,6,7,8-HpCDF-13C	100	65	21.0	158.0	65
1,2,3,4,7,8,9-HpCDF-13C	100	57	20.0	186.0	57
1,2,3,4,6,7,8-HpCDD-13C	100	59	26.0	166.0	59
OCDD-13C	200	120	26.0	397.0	58

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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Wausau & Marathon County Parks, Recreation & Forestry



2023 Year in Review

2023 was a very busy year for the department. Parks and programs were enhanced to continue to provide our citizens with amenities and activities to explore within 37 City Parks, 17 County Forests and 10 County Forest Units that make up 3,401 acres of parkland and 30,714 acres of County Forest.

-Our department has 44 FTE and 150+ seasonals.

-General operating budget of \$7,127,498 in expenditures and \$2,731,021 in revenues (city and county combined)

- 23,627 BOULEVARD TREES, INVENTORIED 2,908 PARK TREES

- PLANTED 524 TREES, REMOVED 519 NON-ASH & 384 ASH TREES, TREATED 1037 ASH (1/3 OF CITY)

- 579 SHELTER RENTAL DAYS AND 213 EVENTS OPEN TO THE PUBLIC

- MOWED 308.5 ACRES AND 81,920 FT OF TRAILS

- 2280 TOTAL SEASON PASSES SOLD (DISC GOLF, BIKING, BOAT LAUNCH, SKI, RANGE, ETC)

- COMPLETED 69-ACRE TIMBER SALE AT BIG EAU PLEINE PARK FOR A NET REVENUE OF \$72,830.62

- COMPLETED MULTI-YEAR FOREST INVENTORY OF ALL COUNTY PARKS OUTSIDE OF CITY LIMITS

- SECURED SPONSORSHIP FROM AQUA FINANCE TO HELP FUND OUR FIRST 400 BLOCK MOVIE IN THE PARK SERIES WHERE WE HOSTED 5 NIGHTS OF FREE MOVIES FOR THE PUBLIC ON A GIANT LED SCREEN

- CREATED A JR. TENNIS LEAGUE TO KEEP MIDDLE SCHOOL AND HIGH SCHOOL PLAYERS ENGAGED

- PARTNERED WITH MCPL TO HOST 3 CHILDREN'S PERFORMANCES AT OAK ISLAND PARK AND 6 STORY TIMES THROUGHOUT OUR PARK SYSTEM

- INCREASED SWIM LESSON REVENUE FOR A 3RD YEAR IN A ROW BY \$1,400 OVER 2022 REVENUES

- OFFERED 200 SWIM LESSON CLASSES FOR 673 STUDENTS ENROLLED THROUGHOUT THE SUMMER.

- HOSTED MOVING WITH THE MAYOR EVENTS KITE FLYING, MOONLIGHT SNOWSHOEING, AND SUNSET HIKE

- SERVED APPROX. 10,000 PATRONS AT SYLVAN TUBING HILL TOTALING CLOSE TO \$114,000 IN REVENUE

- SUCCESSFULLY PARTNERED WITH THE FAIR TO PROVIDE FAIR OPERATIONS

- CREATED A NEW DIGITAL RECREATION GUIDE REPLACING THE USE OF CITY PAGES TO DO THE GUIDES.

- HOSTED OUR FIRST BUS TRIP TO THE PACKER FAMILY NIGHT

- HOSTED OVER 3000 PARTICIPANTS AT CHILDREN'S FESTIVAL IN NEW LOCATION AT MPB BUILDINGS

- PARTNERED WITH PEYTON'S PROMISE TO HOST A "CHANGE FOR GOOD" DRIVE RAISED \$1,000 WHICH WAS MATCHED BY PEOPLES BANK FOR A TOTAL OF \$2,000 FOR PEYTON'S PROMISE

- SECURED \$3,000 OF SPONSORSHIPS TO THE CHILDREN'S FESTIVAL ALLOWING US TO ADD FEATURES

NEW WATERMAIN & LATERALS AT MARATHON PARK



**Completed on time and
under budget**

TIMBER SALES

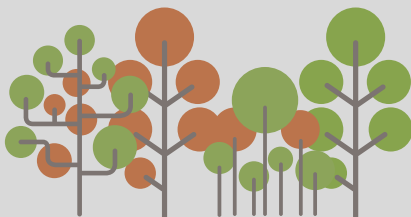


7 sales sold totaling 587 acres with
16,388 cords

\$495,764.00

Gross revenue

\$347,034 Net Revenue to County





2023 Year in Review - Projects

CITY PARK PROJECTS

- 16 FRUIT TREES PLANTED IN 10TH STREET PARK WITH EARTH DAY VOLUNTEERS
- TRANSPLANTED 14 FRUIT TREES TO 3-M PARK AND 5 PLUM TREES TO PLEASANT VIEW PARK
- INSTALLED LINCOLN TOT LOT PLAYGROUND FUNDED BY COMMUNITY DEVELOPMENT BLOCK GRANT
- 2 ROUNDS OF GOAT VEGETATION MANAGEMENT AT BARKER STEWART ISLAND
- ATHLETIC PARK VIDEO SCOREBOARD INSTALLATION
- SERVED APPROXIMATELY 40,000 PATRONS AT POOLS, SOLD 886 ANNUAL SWIM PASSES
- CONTINUE TO ADD NEW ADOPT-A-PARK MEMBERS TOTALING 8 ADOPTEEES.
- HELD ONE POP-UP SPLASH PAD WITH THE WAUSAU FIRE DEPARTMENT
- MASONRY WORK COMPLETED AT STEWART PARK ON THE WALLS AND STEPS
- REPLACED FOUL NET BEHIND HOME PLATE AT ATHLETIC PARK
- NEW KIOSK AT SCHOFIELD PARK BOAT LAUNCH INSTALLED. PROJECT IN CONJUNCTION WITH WSD.
- BARKER-STEWART ISLAND BRIDGE DECKING REPLACED
- DEMOLITION OF RESTROOM AND THE START OF INSTALLATION OF RESTROOM AT OAK ISLAND
- ATHLETIC PARK BULLPEN PLUMBING TIED INTO MAIN SUPPLY
- OUTFIELD FENCE REPLACEMENT AT BOILEAU FIELD
- ADA COMPLIANT PATHS INSTALLED AT RIVERSIDE AND TENTH STREET PARK
- KAYAK INFORMATION SIGNS INSTALLED AT GILBERT, SCHOLFIELD, RIVERLIFE, OAK ISLAND & MEMORIAL
- PLEASANT VIEW SHELTER HAS A NEW STEEL ROOF

COUNTY PARK/FOREST PROJECTS

- COMMUNITY ARBOR DAY EVENT AT MARATHON PARK – TRANSPLANTED HUNDREDS OF PINE TREES
- NEW PLAYGROUND EQUIPMENT IN MISSION LAKE PARK, CHEROKEE PARK AND BLUEGILL BAY PARK
- ASH TREES REMOVED FROM BLUE GILL BAY PARK – 5 NEW TREES PLANTED
- 21 HAZARD TREES REMOVED FROM WEST CAMPGROUND EAU PLEINE PARK
- PLANNED AND ORDERED PLAYGROUNDS FOR AMCO AND MARATHON PARK CAMPGROUND
- BROUGHT IN \$3,500 IN NEW REVENUE FROM OFFERING SWIM LESSONS DURING THE WINTER AT NCHC
- INCREASED REVENUE BY \$6,200 IN WATER EXERCISE BY OFFERING IT YEAR-ROUND AT NCHC
- ADDED ADULT PICKLEBALL LADDER LEAGUE, CHALLENGER SOCCER CAMP, YOUTH CHESS CLASSES, AND YOUTH BRICK BUILDERS WORKSHOP TO OUR RECREATION PROGRAM OFFERINGS
- CREATED A NEW VALENTINE'S SKI DATE NIGHT EVENT AT NINE MILE COUNTY FOREST. (DID GET RAINED OUT BUT HAD GOOD PARTICIPATION IN REGISTRATION.)
- INSTALLED NEW BATTING CAGES AT SUNNYVALE SOFTBALL COMPLEX
- DC EVEREST RESTROOM DEMO AND INSTALLATION OF NEW RESTROOM (NOT FINISHED)
- NINE MILE GARAGE RENOVATION
- BEP SOUTH UNIT PARKING LOT RESURFACING
- ADA COMPLIANT PATH INSTALLED AT BLUEGILL BAY PLAYGROUND
- ADA KAYAK LAUNCH INSTALLED AT DC EVEREST PARK
- SOUTH BOAT LAUNCH AT DC EVEREST UPDATED TO COMPLY WITH ADA CODE
- 1 DOCK AT BLUEGILL REBUILT AND ADA COMPLIANT
- CULVERTS REPLACED AND BEACH ROAD/PARKING LOT REPAVED AT DELLS
- ELK TARGET SHELTER INSTALLED AT SHOOTING RANGE
- KAYAK INFORMATION SIGNS INSTALLED AT WISCONSIN RIVER FOREST UNIT, BLUEGILL AND DC EVEREST
- EASTGATE HALL BOILER UPGRADE
- IMPLEMENTED A PERMANENT FAT TIRE BIKE SEASON AT NINE MILE
- COMPLETED AMENDMENTS TO THE COUNTY FOREST COMPREHENSIVE LAND USE PLAN
- COMPLETED A LAND SWAP AT DELLS OF EAU CLAIRE TO CLARIFY LAND OWNERSHIP
- ESTABLISHED A TRIAL ARCHERY DEER HUNT AT BIG EAU PLEINE PARK

CAMPING

Camping had another busy season

Gross Revenue \$271,446.40

1.5% 

Increase in revenue over 2022
Gross Revenue





Wausau & Marathon County Parks, Recreation & Forestry

2024 Work Plan



County CIP Projects

- Eastgate Hall Renovation
- Dump Station Installation at Dell of Eau Claire
- Nine Mile Septic System Replacement
- Amco & Marathon Park Campground Playground

County Small Projects

- Blue Gill Bay dock replacement
- DCE Park Restroom Completion
- DEC manger cabin update
- DEC group campground well
- Extend cart path at Peoples Sports Complex

Riverlife/400 Block

- Concession Fence Replacement
- Leaper Jet Repair/Replacement
- Fountain Push Button
- NE Park Sign

Plan department
consolidation -
Pardee St Review



Ice Arena
Feasibility
Study



Forestry Work Plan

- Administer 24 timber sales on 1874 acres
- Plant 60,000 red pine trees on 60 acres
- Establish and advertise 600-625 acres of timber for sale
- Establish another timber sale at Big Eau Pleine Park

Other Projects

- Install new drinking fountains
- New well at Dell of Eau Claire
- Barker Stewart Island Vegetation
- Lincoln Tot Lot Fall Zone
- BEP Boat Launch Repair
- MP Stand Pipe Boxes



Treat & remove
ash trees
plant 400 + trees

Expand Recreation Programs & Events
Open Gyms Tot Time

Partnership with Children's Imaginarium

Install AED
Save Stations/
Train all FT
Staff in CPR



City Small Projects

- Memorial & Schulenberg Slide Restoration
- Stewart Park wall cap & tuckpointing
- Athletic Park Cap Repair
- Athletic Park Ascension Deck Staining
- Brockmeyer Soccer Field Improvements
- Brockmeyer Press Box Rebuild

City CIP Projects

- Build Skatepark
- Complete Oak Island Restroom
- 400 Block Safety Bollards

Plans/Grants to Complete

- County CORP Update
- Rib Falls Master Plan
- Big Rapids Dam Removal
- AED/Save Station Grant
- Athletic Park Clubhouse Review



Secure Field
Sponsors
PSC