CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

March 4, 2025

Wisconsin Department of Natural Resources
Attn: Mr. Chris Saari
2501 Golf Course Road
Ashland, WI 54806

Subject:

Site Update Report
Phillips Plating Corporation
984 North Lake Avenue
Phillips, WI
BRRTS: 02-51-559634

Dear Chris,
The purpose of this letter is to provide you with an update for ongoing monitored natural attenuation activities associated with the above referenced site. The site location is shown on Figure 1.

BACKGROUND

This site is in the NW ¼ , SW ¼ , Section 7, T37N, R01E in the City of Phillips, Price County. The facility is an operating plating facility which specializes in metallic plating of various plastic components.

SUMMARY OF DATES AND WORK COMPLETED

- **October 22, 2024** – REI onsite to sample monitoring wells MW5, MW6, MW10, piezometers PZ1, and PZ3.

SITE SUMMARY

REI submitted the Site Investigation Report / Remedial Action Plan on October 30, 2013. Site Update reports have been submitted on January 24, 2013; March 13, 2013; October 14, 2014; January 19, 2017; December 29, 2017; September 4, 2018; September 5, 2019; December 6, 2021; April 19, 2022; May 26, 2023, and February 20, 2024. These reports summarize the annual groundwater monitoring results collected as part of the selected remedial action for the site. The February 20, 2024, Site Update Report was submitted with a Technical Assistance Request and fee requesting the WDNR provide formal response related to the emerging contaminant statement included in the report, verification that the degree and extent of contamination had been adequately defined, and determination of a pathway forward based on overall groundwater contaminant trends in the site monitoring wells and piezometers.

On April 22, 2024, the WDNR provided the requested technical assistance. The WDNR determined the submitted emerging contaminant statement did not sufficiently consider potential historic use of

PFAS containing materials and requested a groundwater sampling plan for evaluation of PFAS at the site with samples collected at/near the source area from select wells. The WDNR did not agree the overall stable to decreasing contaminant trends were sufficient due to unstable to increasing trends in monitoring wells MW5, MW6, MW10, and piezometer PZ3. However, the technical assistance response identified that reducing the number and/or frequency of wells sampled based on recent and historical data may be appropriate.

On August 19, 2024, REI submitted a Monitored Natural Attenuation Sampling Plan outlining the proposed locations, sample parameters, and frequency for the continued long-term groundwater monitoring at the site. As part of the updated sampling plan, REI recommended the discontinuation of laboratory analysis for Hexavalent Chromium, Dissolved Iron, Dissolved Manganese Nitrate as Nitrogen, and Sulfate for all monitoring locations. Additionally, collection of groundwater samples for laboratory analysis of Dissolved Chromium and Dissolved Nickel were limited to monitoring locations the WDNR had determined identified unstable to increasing dissolved phase contamination trends. These monitoring locations include monitoring wells MW5, MW6, MW10, and piezometer PZ3. Field measurements, including depth to groundwater, temperature, dissolved oxygen, specific conductivity, pH, and oxygen reduction potential will continue to be collected from all accessible monitoring locations during each event. All monitoring locations will be sampled for all historic parameters during the last two (2) semi-annual groundwater monitoring events before submittal of a case closure request. On August 21, 2024, REI received a notice to proceed with the scope of work from the WDNR Project Manager.

Since the identification of the release, Phillips Plating has replaced or upgraded all process water tanks and piping by adding secondary containment, additionally the facility has removed Underground Storage Tanks (USTs) associated with the wastewater process system and replacing with Aboveground Storage Tanks (ASTs). The flooring beneath the plating machines was recoated with chemical resistant epoxy to prevent any migration of materials. Therefore, it is believed that there are no additional leaks or ongoing sources of contamination entering the local environment. A site map depicting the current site layout, historic UST locations, and sample locations is included as Figure 2.

During the groundwater monitoring events, REI personnel collected depth to groundwater, temperature, dissolved oxygen concentration, specific conductivity, pH, and oxygen reduction potential (ORP) measurements from all site wells. Groundwater samples were collected from monitoring well MW6 and piezometer PZ1 via low-flow sample collection and submitted for laboratory analysis of PFAS. Groundwater samples were collected from monitoring wells MW5, MW6, MW10, and piezometer PZ3 via hand purging and submitted from laboratory analysis of Dissolved Chromium and Dissolved Nickel. Groundwater elevation data is summarized on Tables 1a-1v. Vertical gradient calculations are summarized on Tables 2a-2c. Temperature, dissolved oxygen concentration, specific conductivity, pH, and oxygen Reduction Potential (ORP) measurements collected from the site monitoring wells are summarized on Tables 3a-z Groundwater elevation contours for the October 2024 groundwater monitoring event is included as Figure 3. The piezometric elevation contours for the October 2024 groundwater monitoring event is included as Figure 4.

Purge water removed from the site wells during sample collection was containerized in DOT approved steel drums and transported to REI's warehouse until final disposal at the Wausau Wastewater Treatment Plant. Waste disposal documentation is included in Attachment A.

Based on groundwater elevation data for the site monitoring wells and piezometers, groundwater flow direction at the water table and deeper in the aquifer appear to be impacted due to infiltration of surface water. Elk Lake (WBIC 2240000) is a drainage lake located approximately 320 feet northeast and 700 feet east of the subject property. Long Lake (WBIC 2239300) is an impoundment lake located approximately 300 feet north-northwest and 600 feet west of the subject property. Based on groundwater elevation data collected from the site monitoring wells and piezometers groundwater west of North Lake Avenue (Highway 13) flows towards the east at the water table and deeper in the aquifer. East of North Lake Avenue (Highway 13) groundwater flow direction at the water table is primarily towards the northeast but depending on location localized flow direction ranges towards the northeast, north, northwest, to west. Piezometric flow deeper in the aquifer east of North Lake Avenue (Highway 13) is towards the west.

Groundwater elevation collected from the three (3) sets of nested water table observation well and piezometer indicate flow vertically through the aquifer varies depending on well nest location and seasonal fluctuations.

Monitoring well MW6 and Piezometer PZ1
Generally, has identified a downward vertical gradient ranging from $4.64x10^{-2}$ to $1.47x10^{-1}$. During the November 2022 monitoring event the well nest identified an upward vertical gradient of $8.35x10^{-2}$. During the October 2024 groundwater monitoring event the well nest identified a downward vertical gradient of $5.41x10^{-2}$.

Monitoring well MW10 and Piezometer PZ3
The calculated vertical gradient at this well fluctuated between upward and downward. During the July 2018, December 2018, April 2019, November 2019, and August 2021 groundwater monitoring events the well nest identified downward vertical flow ranging from $1.02x10^{-3}$ to $1.36x10^{-1}$. During the February 2020, March 2021, June 2022, November 2022, June 2023, November 2023, and October 2024 events the well nest identified upward vertical flow ranging from $1.06x10^{-3}$ to $3.02x10^{-2}$. During the October 2024 groundwater monitoring event the well nest identified an upward vertical gradient of $2.09x10^{-2}$.

Monitoring well MW13 and Piezometer PZ2
The calculated vertical gradient at this well fluctuated between upward and downward. During the July 2018, April 2019, and June 2022 groundwater monitoring events the well nest identified downward vertical flow ranging from $8.57x10^{-2}$ to $3.76x10^{-1}$. During the December 2018, November 2019, February 2020, March 2021, August 2021, November 2022, June 2023, November 2023, and October 2024 groundwater monitoring events the well nest identified upward vertical flow ranging from $1.06x10^{-3}$ to $3.02x10^{-2}$. During the October 2024 event the well nest identified an upward vertical gradient of $3.21x10^{-3}$.

GROUNDWATER ANALYTICAL RESULTS – NICKEL & CHROMIUM

The two (2) contaminants of concern at this site are Nickel and Chromium. REI personnel collected field measurements including depth to groundwater, temperature, dissolved oxygen, specific conductivity, pH, and oxygen reduction potential from all accessible site wells. Per the approved August 19, 2024, Monitored Natural Attenuation Sampling Plan groundwater samples were collected from monitoring wells MW5, MW6, MW10, and piezometer PZ3 and submitted to a state certified laboratory for analysis of Dissolved Nickel and Dissolved Chromium.

DOWNGRADIENT MONITORING WELLS

Monitoring well MW5

Laboratory analytical results identified concentrations of Dissolved Chromium and Dissolved Nickel exceeding the WAC Chapter NR140 Enforcement Standards (ES) during the October 2024 groundwater monitoring event.

Based on the twenty-nine (29) rounds of groundwater monitoring data collected from this monitoring point, Dissolved Chromium has demonstrated a stable to decreasing contaminant concentration trend. Conversely, Dissolved Nickel has demonstrated an unstable to increasing contaminant concentration tends overall, however the contaminant concentration tend appears decreasing for the last seven (7) groundwater monitoring events (March 2021 to October 2024).

REI utilized the USEPA Groundwater Statistics Tool to further evaluate the contaminant trends of Dissolved Chromium and Dissolved Nickel. Based on the Groundwater Statistics Tool output monitoring well MW5 has a decreasing trend for Dissolved Chromium, with concentrations predicted to drop below the NR140 ES in August 2025 based on the existing trends. Based on the last twenty (20) rounds of groundwater monitoring, the USEPA Groundwater Statistics Tool identified an increasing contaminant trend for Dissolved Chromium, however based on the analytical results collected between March 2021 and October 2024 the contaminant concentrations identified no strong trend, with an anticipated date of July 2028 for Dissolved Chromium concentrations to decrease below the NR140 ES.

Monitoring well MW6 (Nested with Piezometer PZ1)

Laboratory analytical results identified concentrations of Dissolved Chromium and Dissolved Nickel exceeding the WAC Chapter ES during the October 2024 groundwater monitoring event.

Based on the twenty-nine (29) rounds of groundwater monitoring data collected from this monitoring point, Dissolved Chromium and Dissolved Nickel have demonstrated overall unstable to increasing contaminant concentration trend. However, the contaminant concentrations trends of Dissolved Chromium have been decreasing since the April 2019 groundwater monitoring event.

Based on the last twenty (20) rounds of groundwater monitoring, the USEPA Groundwater Statistics Tool identified no strong trend for Dissolved Chromium concentrations, however based on the analytical results collected between April 2019 and October 2024 the

contaminant concentrations identified a decreasing trend, with an anticipated date of September 2026 for Dissolved Chromium concentrations to decrease below the NR140 ES. The USEPA Groundwater Statistics Tool identified an increasing trend for Dissolved Nickel.

Monitoring well MW10 (Nested with Piezometer PZ3)
Laboratory analytical results identified concentrations of Dissolved Chromium exceeding the WAC Chapter NR140 ES during the October 2014 groundwater monitoring event. The concentrations of Dissolved Nickel identified during the October 2024 groundwater monitoring event exceeded the NR140 PAL.

Based on the twenty-six (26) rounds of groundwater monitoring data collected from this monitoring point, Dissolved Chromium has demonstrated an unstable contaminant concentration trend however overall, the concentrations of Dissolved Chromium appear decreasing. Dissolved Nickel has demonstrated a stable to decreasing contaminant concentration tends since the February 2017 groundwater monitoring events.

Based on the last twenty (20) rounds of groundwater monitoring, the USEPA Groundwater Statistics Tool identified a decreasing trend for Dissolved Chromium concentrations, The USEPA Groundwater Statistics Tool was not able to identify a trend for Dissolved Nickel concentrations based on the last twenty (20) rounds of groundwater monitoring. However, based on the analytical results collected between August 2017 and October 2024 the contaminant concentrations identified a decreasing trend for Dissolved Nickel.

Piezometer PZ3 (Nested with Monitoring Well MW10)
Laboratory analytical results identified concentrations of Dissolved Chromium and Dissolved Nickel exceeding the WAC Chapter NR140 ES during the October 2024 groundwater monitoring event.

Contaminant concentrations of Dissolved Chromium appear stable to slightly decreasing. Dissolved Nickel concentrations identified a decreasing contaminant concentration trend between July 2018 and February 2020. However, since the February 2020 groundwater monitoring event, concentration contaminant trends for Dissolved Nickel appear unstable to increasing; however, the overall contaminant concentration at this monitoring well has decreased since July 2018.

Based on the last twenty (20) rounds of groundwater monitoring, the USEPA Groundwater Statistics Tool identified no strong trend for Dissolved Chromium concentrations, however the trendline identified a slight decreasing trend. The USEPA Groundwater Statistics Tool was not able to identify a trend for Dissolved Nickel concentrations, however the trendline identified a slight decreasing trend with an anticipated date of December 2029 for Dissolved Nickel concentrations to decrease below the NR140 ES

Laboratory analytical results are summarized on Tables 3a-3z. Contaminant concentration of Dissolved Chromium and Dissolved Nickel with calculated groundwater elevation data are presented on Graphs 1a-1s. Groundwater Isoconcentrations, depicting the lateral extent of Dissolved Chromium and Dissolved Nickle at the water table, for the October 2024 groundwater monitoring

event are included as Figures 5a and 5b. Groundwater Isoconcentrations, depicting the lateral extent of Dissolved Chromium and Dissolved Nickle based on laboratory analytical results for the site piezometers, for the October 2024 groundwater monitoring event are included as Figures 6a and 6b. Site and Summary Statistics for monitoring wells MW5, MW6, MW10 and piezometer PZ3 are included in Attachment B. The complete laboratory analytical reports for the October 2024 groundwater monitoring event are included in Attachment C.

GROUNDWATER ANALYTICAL RESULTS – PFAS

The April 22, 2024, Technical Assistance Request response letter from the WDNR required that sample should be collected at/near the source area from select wells for laboratory analysis of PFAS. As part of the August 19, 2024, Monitored Natural Attenuation Sampling Plan, REI proposed collection of groundwater samples via low-flow sampling methods from monitoring well MW6 and piezometer PZ1 for laboratory analysis of PFAS. On August 21, 2024, REI received a notice to proceed with the scope of work from the WDNR Project Manager.

Groundwater samples for laboratory analysis of PFAS were collected prior to any other sample parameters via low-flow collection methods.

Monitoring well MW6 (Nested with Piezometer PZ1)
Laboratory analytical results identified concentrations of Perfluoro-n-octanoic acid (PFOA) and Perfluoro-1-octanesulfonic acid (PFOS) exceeding the Wisconsin Department of Health Services (WI DHS) proposed ES. The identified concentration of Perfluoro-1-hexanesulfonic acid (PFHxS) exceeded the WI DHS proposed PAL.

A duplicate sample was collected as part of QA/QC plan. Laboratory analysis of the duplicate sample identified no significant differences between the original and duplicate sample collected from monitoring well MW6.

Piezometer PZ1 (Nested with Monitoring well MW6)
Laboratory analytical results identified concentrations of PFOA and PFOS exceeding the WI DHS proposed ES. The identified concentration of PFHxS exceeded the WI DHS proposed PAL.

A field blank was prepared following collection of the groundwater sample from piezometer PZ1 as part of the QA/QC plan. Laboratory analysis of the field blank identified a laboratory qualified detection of PFOS.

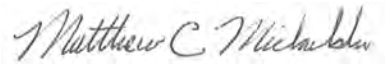
Both samples also identified exceedances of the WI DHS proposed ES for mixtures of PFAS including combined standards and Hazard Index calculations. However, this is expected due to the exceedances of the WI DHS proposed ES for PFOA and PFOS. Laboratory analytical results are summarized on Tables 4a-4d. The complete laboratory analytical reports for the October 2024 groundwater monitoring event are included in Attachment D.

CONCLUSIONS AND RECOMMENDATIONS

REI has conducted ongoing groundwater monitoring as part of the monitored natural attenuation remedial option selected. The continued monitoring has demonstrated overall stable to decreasing contaminant trends in the majority of the Phillips Plating monitoring well network. REI plans to

continue semiannual groundwater monitoring per the August 19, 2024 Monitored Natural Attenuation Sampling Plan. REI will resample monitoring well MW6 and piezometer PZ1 to verify concentrations of PFAS identified during the October 2024 monitoring event. Please contact our office at (715) 675-9784 or electronically at mmichalski@reiengineering.com upon your review with any questions.

Sincerely,
REI Engineering, Inc.



Matthew C. Michalski, P.G.
Hydrogeologist

Attachments
Tables 1a-1c Groundwater Elevation Summary
Table 2a-2c Vertical Gradient Calculations
Table 3a-3z Groundwater Analytical Results Summary
Table 4a-4d Groundwater Analytical Results (PFAS)
Graphs 1a-1s Groundwater Analytical Results
Figure 1 Site Vicinity Map
Figure 2 Site Map
Figure 3 Groundwater Flow Maps
Figure 4 Piezometric Flow Maps
Figure 5a-5b Groundwater Isoconcentrations Maps
Figure 6a-6b Piezometric Isoconcentrations Maps
Attachment A – Disposal Documentation
Attachment B – US EPA Groundwater Statistics Tool Output
Attachment C – Laboratory Analytical Reports
Attachment D - Laboratory Analytical Reports - PFAS

cc: Mr. Darin Baratka, Phillips Plating Corp. (electronic copy)

Table 1a
Groundwater Elevation Summary
Phillips Plating Corporation
984 N Lake Avenue, Phillips, WI
BRRTS# 02-51-559634

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Well Information

Date	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW9	MW10	MW11	MW12	MW13	MW14	MW15	PZ1	PZ2	PZ3	PZ4
Well Depth (feet bls)	23.90	24.30	24.48	24.34	23.65	19.67	19.54	20.06	20.06	14.33	17.24	19.62	21.43	13.73	13.61	33.23	33.19	23.88	36.00
Screen Length (feet)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	5	5	5	5

Depth to Water (feet) below Reference Elevation

Date	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW9	MW10	MW11	MW12	MW13	MW14	MW15	PZ1	PZ2	PZ3	PZ4
12/11/2012	12.76	12.58	15.43	13.79	15.70	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
1/3/2013	13.06	12.83	15.74	14.02	15.77	16.76	15.04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
2/6/2013	13.49	13.24	16.08	14.19	15.84	16.85	15.19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
2/19/2013	CNL	CNL	CNL	CNL	CNL	CNL	CNL	9.78	17.39	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/5/2013	13.76	13.50	16.33	14.46	15.74	16.76	15.12	9.78	17.37	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
5/8/2013	10.38	9.83	9.72	9.79	11.38	15.75	13.07	9.39	14.86	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
7/15/2013	9.39	10.69	10.81	10.51	15.15	16.19	13.96	9.68	15.97	7.80	9.94	13.06	NI	NI	NI	17.05	NI	NI	NI
8/12/2013	9.76	11.09	12.01	11.35	15.31	16.11	14.21	9.57	16.24	8.03	10.28	14.21	NI	NI	NI	17.21	NI	NI	NI
11/12/2013	10.14	11.13	11.37	11.49	15.29	16.30	14.20	9.63	16.34	8.10	10.39	14.61	NI	NI	NI	17.43	NI	NI	NI
2/12/2014	10.99	12.20	14.31	12.95	15.56	16.61	15.13	10.04	17.32	9.04	11.41	16.16	NI	NI	NI	18.27	NI	NI	NI
6/2/2014	8.42	10.03	9.41	9.63	14.38	15.91	13.14	9.41	15.12	7.29	9.11	11.42	NI	NI	NI	16.32	NI	NI	NI
8/5/2014	9.45	10.94	11.28	11.05	15.28	16.27	14.11	9.73	16.13	8.03	10.19	12.95	NI	NI	NI	17.11	NI	NI	NI
11/5/2014	9.91	11.25	11.56	CNL	15.39	16.39	14.33	9.89	16.50	8.28	10.54	13.57	NI	NI	NI	17.45	NI	NI	NI
2/10/2015	11.31	11.73	13.36	12.59	15.56	16.51	14.95	10.01	17.11	8.85	11.17	17.80	NI	NI	NI	18.03	NI	NI	NI
5/4/2015	10.53	12.94	11.26	11.87	15.37	16.31	14.10	9.87	16.19	8.04	10.24	12.94	NI	NI	NI	17.45	NI	NI	NI
8/4/2015	9.94	11.11		11.27	15.24	16.18	14.11	9.39	16.02	8.02	10.24	13.61	NI	NI	NI	17.25	NI	NI	NI
11/3/2015	10.21	11.78		12.56	15.41	16.32	14.25	9.58	16.42	8.22	10.37	14.13	NI	NI	NI	17.60	NI	NI	NI
2/22/2016	10.86	12.06		CNL	15.52	16.36	14.89	9.41	17.07	8.76	11.08	15.77	NI	NI	NI	18.06	NI	NI	NI
8/31/2016	10.32	11.55		12.38	CNL	16.32	13.99	9.78	16.09	7.90	10.07	15.45	NI	NI	NI	17.16	NI	NI	NI
2/14/2017	11.68	12.90		13.12	15.76	16.55	14.81	9.76	17.09	8.76	11.06	15.81	NI	NI	NI	18.20	NI	NI	NI
8/29/2017	9.71	11.71		11.90	15.42	CNL	13.87	10.17	16.19	7.90	10.07	13.66	NI	NI	NI	17.13	NI	NI	NI
7/11/2018	10.90	11.35		11.76	15.41	16.35	13.94	10.21	16.04	7.84	10.01	13.25	15.28	6.55	7.34	17.15	14.94	8.31	NI
12/11/2018	11.02	12.00		12.40	15.66	16.61	14.70	10.99	16.95	8.68	10.96	15.34	16.08	7.30	8.04	18.05	15.66	9.15	NI
4/30/2019	9.38	12.20		11.55	15.28	16.22	13.55	10.03	15.69	7.50	9.50	12.27	9.32	6.15	6.88	17.15	14.45	9.32	NI
11/13/2019	10.24	11.39		11.80	15.49	16.40	14.43	10.01	16.60	8.41	10.61	13.85	15.78	7.02	7.81	17.27	15.40	8.90	NI
2/10/2020	11.51	12.34		12.70	15.48	16.59	14.65	10.25	16.97	8.65	10.91	15.70	16.00	7.20	7.86	17.86	15.56	9.10	NI
3/3/2021	12.71	12.98		13.38	15.85	16.86	14.86	13.53	17.25	8.88	11.15	16.15	16.23	7.35	7.90	18.21	15.50	9.32	NI
8/25/2021	9.95	11.45		12.25	15.31	16.24	13.88	9.72	16.12	7.95	10.15	13.30	15.30	6.56	7.26	17.18	14.91	8.42	NI
6/8/2022	9.74	11.11		11.36	15.41	16.21	CNL	9.99	16.13	7.87	9.96	12.83	14.82	6.50	7.28	17.09	15.87	8.03	15.71
11/1/2022	11.87	12.52		14.85	14.72	17.76	14.41	10.10	16.72	8.45	10.65	15.74	15.76	6.99	7.65	16.54	15.33	8.80	16.42
6/7/2023	9.18	10.93		10.68	15.24	16.26	14.01	9.95	16.22	8.04	10.11	12.50	15.32	6.61	7.32	16.98	14.86	8.45	12.95
11/14/2023	11.19	11.56		12.41	15.55	16.34	14.52	9.81	16.80	8.65	10.81	15.45	15.90	7.11	7.72	17.71	15.49	8.90	14.95
10/22/2024	10.81	13.00		12.36	15.50	16.30	14.38	9.80	16.64	8.38	10.60	15.07	15.71	6.88	7.50	16.80	15.31	8.64	14.80
	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Well Abandoned

- = Not Measured
NI = Not Installed
CNL = Could Not Locate Well
Reference Elevation = Top of Casing

Table 1b
Groundwater Elevation Summary
Phillips Plating Corporation
984 N Lake Avenue, Phillips, WI
BRRTS# 02-51-559634

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Reference Elevations = Top of Well Casing (feet MSL)
Elevations referenced to a U.S.G.S. Benchmark (feet MSL) - provided by others

Date	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW9	MW10	MW11	MW12	MW13	MW14	MW15	PZ1	PZ2	PZ3	PZ4
Initial Survey (3/23/2021)	1,459.82	1,457.24	1,461.33	1,459.19	1,457.51	1,458.16	1,453.30	1,457.92	1,455.91	1,450.54	1,452.99	1,459.50	1,457.91	1,449.03	1,449.48	1,457.96	1,457.55	1,451.00	1,462.63
Screen Joint (feet MSL)	1445.92	1442.94	1446.85	1444.85	1443.86	1448.49	1443.76	1447.86	1445.85	1446.21	1445.75	1449.88	1446.48	1445.30	1445.87	1429.73	1429.36	1432.12	1431.63
Well Bottom (feet MSL)	1435.92	1432.94	1436.85	1434.85	1433.86	1438.49	1433.76	1437.86	1435.85	1436.21	1435.75	1439.88	1436.48	1435.30	1435.87	1424.73	1424.36	1427.12	1426.63

Water Level Elevation (feet MSL)

Date	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW9	MW10	MW11	MW12	MW13	MW14	MW15	PZ1	PZ2	PZ3	PZ4
12/11/2012	1,447.06	1,444.66	1,445.90	1,445.40	1,441.81	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
1/3/2013	1,446.76	1,444.41	1,445.59	1,445.17	1,441.74	1,441.40	1,438.26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
2/6/2013	1,446.33	1,444.00	1,445.25	1,445.00	1,441.67	1,441.31	1,438.11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
2/19/2013	CNL	CNL	CNL	CNL	CNL	CNL	CNL	1,448.14	1,438.52	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/5/2013	1,446.06	1,443.74	1,445.00	1,444.73	1,441.77	1,441.40	1,438.18	1,448.14	1,438.54	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
5/8/2013	1,449.44	1,447.41	1,451.61	1,449.40	1,446.13	1,442.41	1,440.23	1,448.53	1,441.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
7/15/2013	1,450.43	1,446.55	1,450.52	1,448.68	1,442.36	1,441.97	1,439.34	1,448.24	1,439.94	1,442.74	1,443.05	1,446.44	NI	NI	NI	1,440.91	NI	NI	NI
8/12/2013	1,450.06	1,446.15	1,449.32	1,447.84	1,442.20	1,442.05	1,439.09	1,448.35	1,439.67	1,442.51	1,442.71	1,445.29	NI	NI	NI	1,440.75	NI	NI	NI
11/12/2013	1,449.68	1,446.11	1,449.96	1,447.70	1,442.22	1,441.86	1,439.10	1,448.29	1,439.57	1,442.44	1,442.60	1,444.89	NI	NI	NI	1,440.53	NI	NI	NI
2/12/2014	1,448.83	1,445.04	1,447.02	1,446.24	1,441.95	1,441.55	1,438.17	1,447.88	1,438.59	1,441.50	1,441.58	1,443.34	NI	NI	NI	1,439.69	NI	NI	NI
6/2/2014	1,451.40	1,447.21	1,451.92	1,449.56	1,443.13	1,442.25	1,440.16	1,448.51	1,440.79	1,443.25	1,443.88	1,448.08	NI	NI	NI	1,441.64	NI	NI	NI
8/5/2014	1,450.37	1,446.30	1,450.05	1,448.14	1,442.23	1,441.89	1,439.19	1,448.19	1,439.78	1,442.51	1,442.80	1,446.55	NI	NI	NI	1,440.85	NI	NI	NI
11/5/2014	1,449.91	1,445.99	1,449.77	CNL	1,442.12	1,441.77	1,438.97	1,448.03	1,439.41	1,442.26	1,442.45	1,445.93	NI	NI	NI	1,440.51	NI	NI	NI
2/10/2015	1,448.51	1,445.51	1,447.97	1,446.60	1,441.95	1,441.65	1,438.35	1,447.91	1,438.80	1,441.69	1,441.82	1,441.70	NI	NI	NI	1,439.93	NI	NI	NI
5/4/2015	1,449.29	1,444.30	1,450.07	1,447.32	1,442.14	1,441.85	1,439.20	1,448.05	1,439.72	1,442.50	1,442.75	1,446.56	NI	NI	NI	1,440.51	NI	NI	NI
8/4/2015	1,449.88	1,446.13		1,447.92	1,442.27	1,441.98	1,439.19	1,448.53	1,439.89	1,442.52	1,442.75	1,445.89	NI	NI	NI	1,440.71	NI	NI	NI
11/3/2015	1,449.61	1,445.46		1,446.63	1,442.10	1,441.84	1,439.05	1,448.34	1,439.49	1,442.32	1,442.62	1,445.37	NI	NI	NI	1,440.36	NI	NI	NI
2/22/2016	1,448.96	1,445.18		CNL	1,441.99	1,441.80	1,438.41	1,448.51	1,438.84	1,441.78	1,441.91	1,443.73	NI	NI	NI	1,439.90	NI	NI	NI
8/31/2016	1,449.50	1,445.69		1,446.81	CNL	1,441.84	1,439.31	1,448.14	1,439.82	1,442.64	1,442.92	1,444.05	NI	NI	NI	1,440.80	NI	NI	NI
2/14/2017	1,448.14	1,444.34		1,446.07	1,441.75	1,441.61	1,438.49	1,448.16	1,438.82	1,441.78	1,441.93	1,443.69	NI	NI	NI	1,439.76	NI	NI	NI
8/29/2017	1,450.11	1,445.53		1,447.29	1,442.09	CNL	1,439.43	1,447.75	1,439.72	1,442.64	1,442.92	1,445.84	NI	NI	NI	1,440.83	NI	NI	NI
7/11/2018	1,448.92	1,445.89		1,447.43	1,442.10	1,441.81	1,439.36	1,447.71	1,439.87	1,442.70	1,442.98	1,446.25	1,442.63	1,442.48	1,442.14	1,440.81	1,442.61	1,442.69	NI
12/11/2018	1,448.80	1,445.24		1,446.79	1,441.85	1,441.55	1,438.60	1,446.93	1,438.96	1,441.86	1,442.03	1,444.16	1,441.83	1,441.73	1,441.44	1,439.91	1,441.89	1,441.85	NI
4/30/2019	1,450.44	1,445.04		1,447.64	1,442.23	1,441.94	1,439.75	1,447.89	1,440.22	1,443.04	1,443.49	1,447.23	1,448.59	1,442.88	1,442.60	1,440.81	1,443.10	1,441.68	NI
11/13/2019	1,449.58	1,445.85		1,447.39	1,442.02	1,441.76	1,438.87	1,447.91	1,439.31	1,442.13	1,442.38	1,445.65	1,442.13	1,442.01	1,441.67	1,440.69	1,442.15	1,442.10	NI
2/10/2020	1,448.31	1,444.90		1,446.49	1,442.03	1,441.57	1,438.65	1,447.67	1,438.94	1,441.89	1,442.08	1,443.80	1,441.91	1,441.83	1,441.62	1,440.10	1,441.99	1,441.90	NI
3/3/2021	1,447.11	1,444.26		1,445.81	1,441.66	1,441.30	1,438.44	1,444.39	1,438.66	1,441.66	1,441.84	1,443.35	1,441.68	1,441.68	1,441.58	1,439.75	1,442.05	1,441.68	NI
8/25/2021	1,449.87	1,445.79		1,446.94	1,442.20	1,441.92	1,439.42	1,448.20	1,439.79	1,442.59	1,442.84	1,446.20	1,442.61	1,442.47	1,442.22	1,440.78	1,442.64	1,442.58	NI
6/8/2022	1,450.08	1,446.13		1,447.83	1,442.10	1,441.95	CNL	1,447.93	1,439.78	1,442.67	1,443.03	1,446.67	1,443.09	1,442.53	1,442.20	1,440.87	1,441.68	1,442.97	1,446.92
11/1/2022	1,447.95	1,444.72		1,444.34	1,442.79	1,440.40	1,438.89	1,447.82	1,439.19	1,442.09	1,442.34	1,443.76	1,442.15	1,442.04	1,441.83	1,441.42	1,442.22	1,442.20	1,446.21
6/7/2023	1,450.64	1,446.31		1,448.51	1,442.27	1,441.90	1,439.29	1,447.97	1,439.69	1,442.50	1,442.88	1,447.00	1,442.59	1,442.42	1,442.16	1,440.98	1,442.69	1,442.55	1,449.68
11/14/2023	1,448.63	1,445.68		1,446.78	1,441.96	1,441.82	1,438.78	1,448.11	1,439.11	1,441.89	1,442.18	1,444.05	1,442.01	1,441.92	1,441.76	1,440.25	1,442.06	1,442.10	1,447.68
10/22/2024	1,449.01	1,444.24		1,446.83	1,442.01	1,441.86	1,438.92	1,448.12	1,439.27	1,442.16	1,442.39	1,444.43	1,442.20	1,442.15	1,441.98	1,441.16	1,442.24	1,442.36	1,447.83
	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Well Abandoned

Groundwater Elevation (feet MSL)

	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW9	MW10	MW11	MW12	MW13	MW14	MW15	PZ1	PZ2	PZ3	PZ4
Average	1,449.05	1,445.43	1,448.57	1,446.98	1,442.22	1,441.74	1,438.97	1,447.94	1,439.46	1,442.31	1,442.56	1,445.18	1,442.79	1,442.18	1,441.93	1,440.56	1,442.28	1,442.22	1,447.66
Minimum	1,446.06	1,443.74	1,445.00	1,444.34	1,441.66	1,440.40	1,438.11	1,444.39	1,438.52	1,441.50	1,441.58	1,441.70	1,441.68	1,441.68	1,441.44	1,439.69	1,441.68	1,441.68	1,446.21
Maximum	1,451.40	1,447.41	1,451.92	1,449.56	1,446.13	1,442.41	1,440.23	1,448.53	1,441.05	1,443.25	1,443.88	1,448.08	1,448.59	1,442.88	1,442.60	1,441.64	1,443.10	1,442.97	1,449.68
Range	5.34	3.67	6.92	5.22	4.47	2.01	2.12	4.14	2.53	1.75	2.30	6.38	6.91	1.20	1.16	1.95	1.42	1.29	3.47

- = Not Measured
NI = Not Installed
CNL = Could Not Locate Well
MSL = Mean Sea Level

Table 1b
Groundwater Elevation Summary
Phillips Plating Corporation
984 N Lake Avenue, Phillips, WI
BRRTS# 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Ground Surface Elevations
Elevations referenced to a U.S.G.S. Benchmark (feet MSL) - provided by others

Date	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW9	MW10	MW11	MW12	MW13	MW14	MW15	PZ1	PZ2	PZ3	PZ4
Initial Survey (3/23/2021)	1,460.22	1,457.58	1,461.59	1,459.52	1,457.99	1,458.67	1,454.02	1,458.23	1,456.33	1,451.11	1,453.51	1,459.98	1,458.09	1,449.21	1,449.89	1,458.36	1,458.22	1,451.16	1,462.93

Depth to Water (feet) below Ground Surface

Date	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW9	MW10	MW11	MW12	MW13	MW14	MW15	PZ1	PZ2	PZ3	PZ4
12/11/2012	13.16	12.92	15.69	14.12	16.18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
1/3/2013	13.46	13.17	16.00	14.35	16.25	17.27	15.76	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
2/6/2013	13.89	13.58	16.34	14.52	16.32	17.36	15.91	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
2/19/2013	CNL	CNL	CNL	CNL	CNL	CNL	CNL	10.09	17.81	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/5/2013	14.16	13.84	16.59	14.79	16.22	17.27	15.84	10.09	17.79	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
5/8/2013	10.78	10.17	9.98	10.12	11.86	16.26	13.79	9.70	15.28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
7/15/2013	9.79	11.03	11.07	10.84	15.63	16.70	14.68	9.99	16.39	8.37	10.46	13.54	NI	NI	NI	17.45	NI	NI	NI
8/12/2013	10.16	11.43	12.27	11.68	15.79	16.62	14.93	9.88	16.66	8.60	10.80	14.69	NI	NI	NI	17.61	NI	NI	NI
11/12/2013	10.54	11.47	11.63	11.82	15.77	16.81	14.92	9.94	16.76	8.67	10.91	15.09	NI	NI	NI	17.83	NI	NI	NI
2/12/2014	11.39	12.54	14.57	13.28	16.04	17.12	15.85	10.35	17.74	9.61	11.93	16.64	NI	NI	NI	18.67	NI	NI	NI
6/2/2014	8.82	10.37	9.67	9.96	14.86	16.42	13.86	9.72	15.54	7.86	9.63	11.90	NI	NI	NI	16.72	NI	NI	NI
8/5/2014	9.85	11.28	11.54	11.38	15.76	16.78	14.83	10.04	16.55	8.60	10.71	13.43	NI	NI	NI	17.51	NI	NI	NI
11/5/2014	10.31	11.59	11.82	CNL	15.87	16.90	15.05	10.20	16.92	8.85	11.06	14.05	NI	NI	NI	17.85	NI	NI	NI
2/10/2015	11.71	12.07	13.62	12.92	16.04	17.02	15.67	10.32	17.53	9.42	11.69	18.28	NI	NI	NI	18.43	NI	NI	NI
5/4/2015	10.93	13.28	11.52	12.20	15.85	16.82	14.82	10.18	16.61	8.61	10.76	13.42	NI	NI	NI	17.85	NI	NI	NI
8/4/2015	10.34	11.45		11.60	15.72	16.69	14.83	9.70	16.44	8.59	10.76	14.09	NI	NI	NI	17.65	NI	NI	NI
11/3/2015	10.61	12.12		12.89	15.89	16.83	14.97	9.89	16.84	8.79	10.89	14.61	NI	NI	NI	18.00	NI	NI	NI
2/22/2016	11.26	12.40		CNL	16.00	16.87	15.61	9.72	17.49	9.33	11.60	16.25	NI	NI	NI	18.46	NI	NI	NI
8/31/2016	10.72	11.89		12.71	CNL	16.83	14.71	10.09	16.51	8.47	10.59	15.93	NI	NI	NI	17.56	NI	NI	NI
2/14/2017	12.08	13.24		13.45	16.24	17.06	15.53	10.07	17.51	9.33	11.58	16.29	NI	NI	NI	18.60	NI	NI	NI
8/29/2017	10.11	12.05		12.23	15.90	CNL	14.59	10.48	16.61	8.47	10.59	14.14	NI	NI	NI	17.53	NI	NI	NI
7/11/2018	11.30	11.69		12.09	15.89	16.86	14.66	10.52	16.46	8.41	10.53	13.73	15.46	6.73	7.75	17.55	15.61	8.47	NI
12/11/2018	11.42	12.34		12.73	16.14	17.12	15.42	11.30	17.37	9.25	11.48	15.82	16.26	7.48	8.45	18.45	16.33	9.31	NI
4/30/2019	9.78	12.54		11.88	15.76	16.73	14.27	10.34	16.11	8.07	10.02	12.75	9.50	6.33	7.29	17.55	15.12	9.48	NI
11/13/2019	10.64	11.73		12.13	15.97	16.91	15.15	10.32	17.02	8.98	11.13	14.33	15.96	7.20	8.22	17.67	16.07	9.06	NI
2/10/2020	11.91	12.68		13.03	15.96	17.10	15.37	10.56	17.39	9.22	11.43	16.18	16.18	7.38	8.27	18.26	16.23	9.26	NI
3/3/2021	13.11	13.32		13.71	16.33	17.37	15.58	13.84	17.67	9.45	11.67	16.63	16.41	7.53	8.31	18.61	16.17	9.48	NI
8/25/2021	10.35	11.79		12.58	15.79	16.75	14.60	10.03	16.54	8.52	10.67	13.78	15.48	6.74	7.67	17.58	15.58	8.58	NI
6/8/2022	10.14	11.45		11.69	15.89	16.72	CNL	10.30	16.55	8.44	10.48	13.31	15.00	6.68	7.69	17.49	16.54	8.19	16.01
11/1/2022	12.27	12.86		15.18	15.20	18.27	15.13	10.41	17.14	9.02	11.17	16.22	15.94	7.17	8.06	16.94	16.00	8.96	16.72
6/7/2023	9.58	11.27		11.01	15.72	16.77	14.73	10.26	16.64	8.61	10.63	12.98	15.50	6.79	7.73	17.38	15.53	8.61	13.25
11/14/2023	11.59	11.90		12.74	16.03	16.85	15.24	10.12	17.22	9.22	11.33	15.93	16.08	7.29	8.13	18.11	16.16	9.06	15.25
10/22/2024	11.21	13.34		12.69	15.98	16.81	15.10	10.11	17.06	8.95	11.12	15.55	15.89	7.06	7.91	17.20	15.98	8.80	15.10
	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Well Abandoned

Depth to Water (feet) below Ground Surface

	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW9	MW10	MW11	MW12	MW13	MW14	MW15	PZ1	PZ2	PZ3	PZ4
Average	11.17	12.15	13.02	12.54	15.77	16.93	15.05	10.29	16.87	8.80	10.95	14.80	15.30	7.03	7.96	17.80	15.94	8.94	15.27
Minimum	8.82	10.17	9.67	9.96	11.86	16.26	13.79	9.70	15.28	7.86	9.63	11.90	9.50	6.33	7.29	16.72	15.12	8.19	13.25
Maximum	14.16	13.84	16.59	15.18	16.33	18.27	15.91	13.84	17.81	9.61	11.93	18.28	16.41	7.53	8.45	18.67	16.54	9.48	16.72
Range	5.34	3.67	6.92	5.22	4.47	2.01	2.12	4.14	2.53	1.75	2.30	6.38	6.91	1.20	1.16	1.95	1.42	1.29	3.47

- = Not Measured
NI = Not Installed
CNL = Could Not Locate Well
MSL = Mean Sea Level

Table 2a
MW6/PZ1 Vertical Gradient Calculations
Phillips Plating Corporation
984 N Lake Avenue, Phillips, WI
BRRTS# 02-51-559634

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Well Name -->	MW6	PZ1
Ground Surface Elevation (feet MSL) -->	1,458.67	1,458.36
Top of Well Casing Elevation (feet MSL) -->	1,458.16	1,457.96
Screen Joint (feet bgs) -->	10.18	28.63
Screen Joint (feet MSL) -->	1,448.49	1,429.73
Screen Length (feet) -->	10	5

Date	MW6 Groundwater Elevation (feet MSL)	PZ1 Groundwater Elevation (feet MSL)	Mid-Point to Mid-Point Vertical Gradient ft/ft	Mid-Point to Mid-Point Vertical Gradient Direction
7/15/2013	1,441.97	1,440.91	8.15E-02	Down
8/12/2013	1,442.05	1,440.75	9.97E-02	Down
11/12/2013	1,441.86	1,440.53	1.03E-01	Down
2/12/2014	1,441.55	1,439.69	1.45E-01	Down
6/2/2014	1,442.25	1,441.64	4.64E-02	Down
8/5/2014	1,441.89	1,440.85	8.02E-02	Down
11/5/2014	1,441.77	1,440.51	9.77E-02	Down
2/10/2015	1,441.65	1,439.93	1.34E-01	Down
5/4/2015	1,441.85	1,440.51	1.04E-01	Down
8/4/2015	1,441.98	1,440.71	9.77E-02	Down
11/3/2015	1,441.84	1,440.36	1.14E-01	Down
2/22/2016	1,441.80	1,439.90	1.47E-01	Down
8/31/2016	1,441.84	1,440.80	8.04E-02	Down
2/14/2017	1,441.61	1,439.76	1.44E-01	Down
7/11/2018	1,441.81	1,440.81	7.74E-02	Down
12/11/2018	1441.55	1439.91	1.28E-01	Down
4/30/2019	1,441.94	1,440.81	8.70E-02	Down
11/13/2019	1,441.76	1,440.69	8.30E-02	Down
2/10/2020	1,441.57	1,440.10	1.15E-01	Down
3/3/2021	1,441.30	1,439.75	1.22E-01	Down
8/25/2021	1,441.92	1,440.78	8.79E-02	Down
6/8/2022	1,441.95	1,440.87	8.31E-02	Down
11/1/2022	1,440.40	1,441.42	8.35E-02	Up
6/7/2023	1,441.90	1,440.98	7.10E-02	Down
11/14/2023	1,441.82	1,440.25	1.21E-01	Down
10/22/2024	1,441.86	1,441.16	5.41E-02	Down
		Minimum	8.35E-02	Up
		Maximum	1.47E-01	Down
		Average	9.32E-02	Down

Table 2b
MW10/PZ3 Vertical Gradient Calculations
Phillips Plating Corporation
984 N Lake Avenue, Phillips, WI
BRRTS# 02-51-559634

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Well Name -->	MW10	PZ3
Ground Surface Elevation (feet MSL) -->	1,451.11	1,451.16
Top of Well Casing Elevation (feet MSL) -->	1,450.54	1,451.00
Screen Joint (feet bgs) -->	4.90	19.04
Screen Joint (feet MSL) -->	1,446.21	1,432.12
Screen Length (feet) -->	10	5

Date	MW10 Groundwater Elevation (feet MSL)	PZ3 Groundwater Elevation (feet MSL)	Mid-Point to Mid-Point Vertical Gradient ft/ft	Mid-Point to Mid-Point Vertical Gradient Direction
7/11/2018	1,442.70	1,442.69	1.02E-03	Down
12/11/2018	1,441.86	1,441.85	1.06E-03	Down
4/30/2019	1,443.04	1,441.68	1.36E-01	Down
11/13/2019	1,442.13	1,442.10	3.14E-03	Down
2/10/2020	1,441.89	1,441.90	1.06E-03	Up
3/3/2021	1,441.66	1,441.68	2.15E-03	Up
8/25/2021	1,442.59	1,442.58	1.02E-03	Down
6/8/2022	1,442.67	1,442.97	3.05E-02	Up
11/1/2022	1,442.09	1,442.20	1.15E-02	Up
6/7/2023	1,442.50	1,442.55	5.14E-03	Up
11/14/2023	1,441.89	1,442.10	2.23E-02	Up
10/22/2024	1,442.16	1,442.36	2.09E-02	Up

Minimum	3.05E-02	Up
Maximum	1.36E-01	Down
Average	4.05E-03	Down

Table 2c
MW13/PZ2 Vertical Gradient Calculations
Phillips Plating Corporation
984 N Lake Avenue, Phillips, WI
BRRTS# 02-51-559634

REI
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Well Name -->	MW13	PZ2
Ground Surface Elevation (feet MSL) -->	1,458.09	1,458.22
Top of Well Casing Elevation (feet MSL) -->	1,457.91	1,457.55
Screen Joint (feet bgs) -->	11.67	28.19
Screen Joint (feet MSL) -->	1,446.48	1,429.36
Screen Length (feet) -->	10	5

Date	MW13 Groundwater Elevation (feet MSL)	PZ2 Groundwater Elevation (feet MSL)	Mid-Point to Mid-Point Vertical Gradient ft/ft	Mid-Point to Mid-Point Vertical Gradient Direction
7/11/2018	1,441.97	1,440.91	8.57E-02	Down
12/11/2018	1,441.83	1,441.89	4.88E-03	Up
4/30/2019	1,448.59	1,443.10	3.76E-01	Down
11/13/2019	1,442.13	1,442.15	1.61E-03	Up
2/10/2020	1,441.91	1,441.99	6.49E-03	Up
3/3/2021	1,441.68	1,442.05	3.03E-02	Up
8/25/2021	1,442.61	1,442.64	2.36E-03	Up
6/8/2022	1,443.09	1,441.68	1.09E-01	Down
11/1/2022	1,442.15	1,442.22	5.62E-03	Up
6/7/2023	1,442.59	1,442.69	7.89E-03	Up
11/14/2023	1,442.01	1,442.06	4.04E-03	Up
10/22/2024	1,442.20	1,442.24	3.21E-03	Up
Minimum			3.03E-02	Up
Maximum			3.76E-01	Down
Average			4.20E-02	Down

Table 3a
Groundwater Analytical Results - MW1
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
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Parameter	Metals																	Inorganics			Field Measurments					
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	Laboratory
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
12/11/2012	<0.0017	2.0	5.5							<0.50	280	<0.10	<0.10	<0.025	<2.0	<0.13										NLS
3/5/2013	<0.0034	<1.2	7.7 J							<4.4	230	*0.91* J	*1.5* J	<0.10	<6.6	1.4										Pace
8/12/2013																					56.26	4.22	1,803	6.45	139.4	- -
11/12/2013																					57.11	1.03	2,370	6.90	24.1	- -
2/12/2014																					44.14	2.71	2,680	6.19	244.6	- -
6/2/2014																					49.97	3.35	2,305	7.08	-8.9	- -
8/5/2014																					58.55	2.19	1,922	7.51	-70.5	- -
5/4/2015																					45.98	2.01	1,747	7.12	97.5	- -
8/4/2015																					56.33	2.86	1,146	7.58	59.7	- -
2/22/2016	<0.0039	2.1 J	*98.8*	26.9 J	15.8													*5.2*		23.8	47.80	2.93	1,205	7.76	245.0	Pace
8/31/2016	<0.026	<2.1	*93.0*	30.6 J	1.9 J													*5.1*		23.0	60.25	3.95	1,006	7.93	30.4	Pace
2/14/2017	<0.0051	<2.5	*66.7*	20.6 J	2.8 J													*5.0*		21.5	47.73	3.79	1,135	7.21	180.1	Pace
8/29/2017	<0.0051	<2.5	*60.9*	<15.5	2.3 J													*6.0*		18.2	60.61	6.41	793	7.53	54.9	Pace
7/11/2018	<0.051	<2.5	*41.5*	17.8 J	1.1 J													*7.0*		17.7	54.50	2.86	1,311	6.95	167.6	Pace
12/11/2018	<0.051	<2.5	*45.3*	44.6 J	7.3													*7.8*		20.1	53.42	6.47	1,539	7.15	-2.8	Pace
4/30/2019	<0.013	<2.5	*35.4*	*173*	15.8													*7.2*		15.3	46.2	3.74	2,362		125.5	Pace
11/13/2019	<0.037	<2.5	*35.4*	<29.6	<1.1													*8.8*		20.4	54.6	5.32	1,209	8.70	77.1	Pace
2/10/2020	<0.018	<2.5	*33.4*	<29.6	<1.1													*10.2*		24.8	49.7	5.31	3,295	7.22	130.8	Pace
3/3/2021	<0.018	<2.5	*30.8*	<56.7	1.6 J													*8.1*		23.6	49.7	5.17	720.8	7.08	2719.0	Pace
8/25/2021	<0.018	<2.5	*22.1*	<56.7	<1.5													*9.3*		35.7	59.7	6.31	722.8	8.35	161.4	Pace
6/8/2022	<0.018	<2.5	*23.5*	<56.7	<1.5													*10.9*		38.0	45.4	9.31	2,150	7.58	75.6	Pace
11/1/2022	<0.018	<2.5	*22.3*	<56.7	<1.5													*10.5*		32.8	58.4	4.89	721.4	8.34	102.6	Pace
6/7/2023	<0.37	<2.5	*22.4*	<56.7	9.9													*10.2*		37.8	50.4	4.79	2,213	6.77	303.6	Pace
11/14/2023	<0.37	<2.5	9.5 J	<56.7	2.7 J													*2.4*		21.0	57.0	6.41	548.9	6.76	152.7	Pace
10/22/2024																					62.2	7.33	653	10.32	58.9	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	53.3	4.49	1,546.0	7.48	220.4
Minimum	44.1	1.03	548.9	6.19	-70.5
Maximum	62.2	9.31	3,295.0	10.32	2719.0

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
[ ] = Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3b
Groundwater Analytical Results - MW2
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
12/11/2012	<0.0017	1.4	9.0							<0.50	180	<0.10	<0.10	<0.025	<2.0	<0.13										NLS
3/5/2013	<0.0034	<1.2	4.5 J							<4.4	190	0.40 J	1.3 J	<0.10	<6.6	<1.4										Pace
8/12/2013																					58.47	6.44	458	5.74	112.0	- -
11/12/2013																					57.95	3.77	459	6.87	-32.7	- -
2/12/2014																					46.80	5.66	1,053	5.65	230.1	- -
6/2/2014																					44.95	3.81	115	7.17	45.8	- -
8/5/2014																					56.70	4.46	154	7.82	-9.8	- -
5/4/2015																					44.08	10.75	1,052	6.94	138.8	- -
8/4/2015																					56.13	5.56	161	7.32	81.3	- -
2/22/2016	<0.039	<2.1	14.2	28.7 J	*72.5*													*31.7*		37.6	47.83	2.87	798	6.25	217.6	Pace
8/31/2016	<0.13	<2.1	10.3	41.9 J	*72.2*													*23.1*		27.8	62.47	2.63	212	6.93	96.9	Pace
2/14/2017	<0.051	<2.5	10 J	60.5 J	46.9													*15.7*		20.3	49.06	3.05	589	5.75	195.1	Pace
8/29/2017	<0.26	<2.5	8.1 J	<15.5	*136*													*22.9*		16.3	61.07	3.83	40	7.64	72.0	Pace
7/11/2018	<0.13	<2.5	4.0 J	16.9 J	*126*													*32.5*		22.7	57.38	1.59	21.2	3.50	355.3	Pace
12/11/2018	<0.13	<2.5	10.9	<35.4	*427*													*37.6*		17.2	53.42	4.14	714	5.62	-66.8	Pace
4/30/2019	<0.13	<2.5	4.8 J	<35.4	*271*													*14.4*		32.2	43.8	8.52	1,028		220.1	Pace
11/13/2019	<0.37	<2.5	6.4 J	<29.6	22.4													*21.0*		14.7 J	55.1	3.69	321.4	5.79	208.6	Pace
2/10/2020	<0.18	<2.5	5.7 J	<29.6	*85.1*													*24.0*		15.9	47.5	3.1	815	5.74	183.0	Pace
3/3/2021	<0.37	<2.5	11.2	<56.7	48.9													*11.5*		15.5	47.3	6.72	842	6.01	1929.0	Pace
8/25/2021	<0.37	<2.5	10 J	<56.7	20.1													*31.8*		26.6	60.9	2.4	723.2	7.61	197.4	Pace
6/8/2022	<0.37	<2.5	7.2 J	<56.7	27.9													*28.4*		23.5	47.8	2.1	520	7.97	9.7	Pace
11/1/2022	<0.37	<2.5	5.3 J	<56.7	43.8													*28.3*		23.6	58.9	2.13	721.2	8.38	93.4	Pace
6/7/2023	<0.37	<2.5	14.5	<56.7	6.8													*19.0*		23.3	51.7	3.81	67.0	6.92	94.0	Pace
11/14/2023	<0.37	<2.5	10.6	<56.7	14.5													*21.1*		21.5	58.4	4.41	455.4	5.89	299.6	Pace
10/22/2024																					61.9	3.81	922	5.62	295.3	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	53.5	4.32	532.2	6.51	215.9
Minimum	43.8	1.59	21.2	3.50	-66.8
Maximum	62.5	10.75	1,053.0	8.38	1929.0

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3c
Groundwater Analytical Results - MW3
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
12/11/2012	<0.0017	2.2	1.4							<0.50	25	<0.10	<0.10	<0.025	<2.0	<0.13										NLS
3/5/2013	<0.0034	<1.2	1.5 J							<4.4	57.2	<0.38	*2.2* J	<0.10	<6.6	<1.4										Pace
8/12/2013	<0.0034	<1.2	1.4 J	68.9 J	2.1 J	35.1	24.7	26,200	881									*2.3*	<1.0	8.4	52.73	7.63	162	6.43	90.6	Pace
11/12/2013	<0.0034	<1.2	1.8 J	28.6 J	2.0 J	58.8	47.9	42,900	1,130									*3.1*		6.7	54.12	5.33	221	7.41	11.2	Pace
2/12/2014	<0.034	<1.2	<0.75	22.8 J	2.3 J	41.4	30.5	29,500	845									*3.4*		10.3	48.23	8.04	267	5.67	273.6	Pace
6/2/2014	<0.0039	<2.1	3.4 J	<12.9	2.1 J	34.7	25.6	26,300	493									*5.0*		9.3	47.91	4.73	301	6.22	77.2	Pace
8/5/2014	<0.0097	<2.1	1.8 J	16.9 J	<1.4	16.1	12.8	10,900	216									*2.1*		10.7	53.76	3.81	216	6.83	52.2	Pace
11/5/2014	<0.019	<2.1	1.9 J	28.8 J	1.8 J	71.5	55.4	55,700	945									*2.2* J		21.3 J	53.53	6.99	194	6.36	121.0	Pace
2/10/2015	<0.039	<2.1	1.9 J	18.4 J	1.9 J	47.7	38.8	28,500	743									*2.8*		12.8 J	47.85	7.66	193	6.77	158.2	Pace
5/4/2015	<0.019	<2.1	<1.4	<12.9	<1.4	100	70.6	75,300	1,230									*3.2*		<10.0	45.38	9.2	203	6.46	188.5	Pace
5/4/2015	Well Abandoned - Following Sample Collection																									- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	
																				Average	50.4	6.67	219.6	6.52	121.6	
																				Minimum	45.4	3.81	162.0	5.67	11.2	
																				Maximum	54.1	9.20	301.0	7.41	273.6	

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3d
Groundwater Analytical Results - MW4
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
12/11/2012	<0.017	3.4	6.8							<0.50	45	<0.10	<0.10	<0.025	<2.0	<0.13										NLS
3/5/2013	<0.0034	1.5 J	3.5 J							<4.4	29.2	<0.38	<1.2	<0.10	<6.6	<1.4										Pace
8/12/2013																					53.04	4.74	3.71	7.19	-27.2	- -
11/12/2013																					54.38	6.02	374	7.69	-43.8	- -
2/12/2014																					49.93	5.29	423	6.40	200.0	- -
6/2/2014																					47.78	1.24	381	8.05	-7.2	- -
8/5/2014																					54.59	3.21	235	8.19	-24.1	- -
5/4/2015																					47.22	4.91	351	7.22	159.1	- -
8/4/2015																					52.74	6.31	320	7.38	92.5	- -
8/31/2016	<0.0051	<2.1	<1.4	<12.9	<1.4													*3.1*		11.9 J	55.41	4.15	380	7.95	49.3	Pace
2/14/2017	<0.0051	<2.5	<1.9	<15.5	<1.1													*2.8*		10.3 J	49.55	2.48	412	7.16	177.1	Pace
8/29/2017	<0.0051	<2.5	<1.9	<15.5	<1.1													*3.5*		8.5	53.89	2.8	390	7.54	40.0	Pace
7/11/2018	<0.0051	<2.5	<1.9	<15.5	<1.1													*2.4*		7.2 J	54.86	2.6	459.9	7.66	200.9	Pace
12/11/2018	<0.026	<2.5	2.7 J	<35.4	<1.1													*2.3*		9.1	53.06	0.78	566.5	7.94	-113.9	Pace
4/30/2019	<0.0051	<2.5	3.9 J	<35.4	<1.1													*2.0*		7.2 J	47.7	0.45	701.9		193.1	Pace
11/13/2019	<0.037	<2.5	<3.0	<29.6	<1.1													*2.3*		9.0 J	54.3	0.26	795	7.81	178.0	Pace
2/10/2020	<0.037	2.9 J	4.7 J	*502*	29.1													*2.9*		10.6	49.1	0.72	954	7.55	138.3	Pace
3/3/2021	<0.037	<2.5	7.1 J	<56.7	2.1 J													*3.0*		9.4	51.1	0.95	1,382	7.32	192.9	Pace
8/25/2021	<0.037	<2.5	<2.6	<56.7	<1.5													*3.0*		9.2 J	56.4	0.5	724.3	6.92	137.5	Pace
6/8/2022	<0.037	<2.5	4.3 J	<56.7	7.9													*3.5*		11.5	50.8	1.54	1,744	7.30	108.0	Pace
11/1/2022	<0.037	<2.5	<2.6	<56.7	<1.5													*3.9*		13.5	56.1	0.58	721.2	7.08	150.4	Pace
6/7/2023	0.060 J	<2.5	5.0 J	<56.7	<1.5													*3.7*		13.3	51.8	0.76	2,066	7.09	31.7	Pace
11/14/2023	<0.037	<2.5	4.6 J	<56.7	1.7 J													*4.0*		14.4	55.6	0.71	1,996	6.63	77.4	Pace
10/22/2024																					55.5	0.7	2,005	6.75	56.6	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	52.5	2.35	790.3	7.37	89.4
Minimum	47.2	0.26	3.7	6.40	-113.9
Maximum	56.4	6.31	2,066.0	8.19	200.9

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3e
Groundwater Analytical Results - MW5
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																		Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
12/11/2012	<0.017	*430*	*440*							<0.50	110	<0.10	<0.10	<0.025	<2.0	<0.13										NLS
1/3/2013	0.46	*414*	*787*							<4.7	138	<0.39	<1.4	<0.10	<5.8	<2.3										Pace
3/5/2013	0.33	*359*	*6,230*							<4.4	*686*	*1.8* J	2.5 J	<0.10	<6.6	<1.4										Pace
5/8/2013	<0.86	*49.2*	*1,420*									*18.9*														Pace
8/12/2013	0.26	*174*	*1,090*			1,130	974														55.26	5.03	1,498	5.02	185.2	Pace
11/12/2013	0.34	*254*	*368*			1,540	1,220														57.59	4.53	1,753	6.94	-11.4	Pace
2/12/2014	0.31 J	*458*	*295*			1,680	1,120														50.02	6.76	1,215	5.15	227.1	Pace
6/2/2014	0.39	*188*	*3,870*			1,700	1,920														47.71	3.89	3,866	5.63	127.6	Pace
8/5/2014	0.24	*360*	*267*			1,380	952														55.12	2.92	1,996	6.01	61.1	Pace
11/5/2014	0.28	*340*	*236*			1,770	1,160														54.57	5.35	1,456	5.95	144.3	Pace
2/10/2015	<0.27	*330*	*303*			1,010	977														49.94	7.02	818	6.25	160.0	Pace
5/4/2015	0.33	*317*	*1,160*			1,090	1,660														46.65	9.18	2,377	6.21	147.8	Pace
8/4/2015	0.25	*351*	*379*			1,970	1,520														53.67	6.03	941	6.87	134.0	Pace
11/3/2015	0.093 J	*381*	*378*			1,530	1,280														57.27	4.57	621	6.25	294.7	Pace
2/22/2016	<0.097	*351*	*462*	<12.9	6.5													*4.3*		30.1	49.82	6.27	491	6.60	224.2	Pace
2/14/2017	0.28	*321*	*593*	21.4 J	5.3													*4.4*		24.1	51.68	5.56	878	6.44	182.1	Pace
8/29/2017	0.22 J	*365*	*922*	<15.5	11.0													*5.0*		24.4	55.42	6.61	1,009	6.69	120.0	Pace
7/11/2018	0.18	*195*	*3,040*	<15.5	54.2													*7.5*		37.1	53.78	5.03	3,496	5.87	243.5	Pace
12/11/2018	0.24	*306*	*1,830*	<35.4	21.6													*6.7*		33.9	52.16	4.98	1,478	5.93	-67.9	Pace
4/30/2019	0.11	*160*	*2,120*	<35.4	32.9													*6.2*		38.8	47.2	8.06	4,393		234.5	Pace
11/13/2019	0.13	*209*	*2,010*	<29.6	31.6													*6.6*		26.1	49.7	5	1,688	6.10	167.6	Pace
2/10/2020	0.19	*196*	*2,990*	<29.6	41.3													*6.6*		23.0	50.6	5.68	1,796	6.20	176.3	Pace
3/3/2021	<0.073	*494*	*7,280*	*50,000*	*1,460*													*5.2*		19.5	50.8	5.15	232.7	5.93	234.4	Pace
8/25/2021	<0.37	*104*	*2,610*	*276*	*113*													*5.7*		26.4	56.0	5.58	724.3	6.35	151.6	Pace
6/8/2022	<0.073	*105*	*4,920*	<56.7	*212*													*7.5*		35.3	50.2	9.11	2,970	5.81	158.2	Pace
11/1/2022	<0.37	*171*	*4,310*	<56.7	*156*													*6.2*		28.8	57.1	5.12	722.3	5.66	188.2	Pace
6/7/2023	<1.8	*119*	*4,510*	<113	*245*													*11.0*		47.9	49.3	9.81	5,549	5.98	121.6	Pace
11/14/2023	<1.8	*189*	*3,810*	*209*	*225*													*6.6*		25.3	55.8	5.21	1,088	6.34	289.7	Pace
10/22/2024		*141*	*2,510*																		59.4	5.47	931	6.35	253.4	Pace
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	52.7	5.92	1,759.5	6.11	165.9
Minimum	46.7	2.92	232.7	5.02	-67.9
Maximum	59.4	9.81	5,549.0	6.94	294.7

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
[1] = NR140.10 Table 1 Public Health Groundwater Quality Standard
[2] = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3f
Groundwater Analytical Results - MW6
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																		Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
1/3/2013	0.14	*323*	*14,100*							<4.7	225	*1.6* J	*2.5* J	<0.10	<5.8	<2.3										Pace
3/5/2013	0.14	*146*	*9,820*							<4.4	112	*0.87* J	*2.2* J	*0.23*	<6.6	<1.4										Pace
5/8/2013	<0.086	*337*	*3,690*									*0.51* J														- -
8/12/2013	<0.034	*1,010*	*16,700*	<14.0	*1,090*	3,160	14,300	22,300	1,340									*14.3*		*204*	57.42	0.72	1,203	6.09	167.7	Pace
11/12/2013	0.58	*602*	*10,900*	<14.0	*982*	4,550	11,100	34,600	1,690									*16.1*		*208*	58.27	1.07	1,209	7.63	-7.5	Pace
2/12/2014	0.66	*858*	*6,460*	<14.0	*690*	2,840	6,010	26,600	1,120									*11.6*		*194*	55.93	1.31	1,419	5.49	196.0	Pace
6/2/2014	1.1	*844*	*783*	<12.9	*783*	4,290	1,390	32,600	7,360									*10.9*		*195*	51.79	0.79	1,200	6.79	40.4	Pace
8/5/2014	5.9	*6,230*	*17,500*	<12.9	*1,090*	8,910	17,600	31,600	1,720									*12.0*		*266*	57.88	0.89	1,254	7.15	114.6	Pace
11/5/2014	21.7	*19,900*	*23,800*	<12.9	*954*	21,800	22,900	25,400	1,380									*12.2*		*274*	56.83	0.36	1,167	6.87	176.2	Pace
2/10/2015	13.9	*14,300*	*19,000*	<12.9	*974*	16,000	18,200	52,000	1,880									*11.8*		*288*	54.18	0.36	1,077	6.84	198.0	Pace
5/4/2015	2.2	*1,920*	*2,480*	<12.9	*645*	6,210	3,700	38,000	1,350									*7.9*		*209*	53.71	0.52	1,188	6.82	197.6	Pace
8/4/2015	2.6	*2,510*	*3,400*	<12.9	*703*	8,500	4,960	75,600	2,140									*6.8*		*211*	56.97	0.74	1,171	7.20	148.6	Pace
11/3/2015	3.5	*3,160*	*3,720*	<12.9	*597*	7,250	5,130	26,800	1,150									*9.2*		*217*	58.60	0.03	1,244	6.91	290.3	Pace
2/22/2016	6.8	*6,960*	*8,810*	<12.9	*669*													*8.4*		*256*	55.96	0.36	1,124	7.13	261.5	Pace
8/31/2016	7.4	*7,770*	*10,100*	<12.9	*781*													*11.1*		*236*	58.41	0.13	1,269	7.21	147.3	Pace
2/14/2017	7.0	*6,030*	*5,720*	<15.5	*767*													*10.9*		*269*	56.07	0.33	1,139	6.81	196.9	Pace
8/29/2017	7.3	*5,800*	*4,140*	<15.5	*922*													*6.7*		*251*	57.06	0.8	1,241	6.95	118.8	Pace
7/11/2018	11.7	*11,500*	*6,030*	<31.0	*1,220*													*12.5*		*302*	55.94	0.42	1,517	6.62	242.4	Pace
12/11/2018	11.0	*13,200*	*6,560*	<35.4	*1,290*													*11.0*		*334*	55.40	0.28	1,779	6.67	-40.0	Pace
4/30/2019	14.0	*14,300*	*6,680*	<35.4	*1,060*													*13.9*		*439*	54.1	0.48	1,862		210.7	Pace
11/13/2019	8.6	*9,660*	*6,710*	<29.6	*1,080*													*13.1*		*213*	55.3	2.69	1,684	6.64	150.5	Pace
2/10/2020	10.0	*10,100*	*6,580*	<29.6	*1,220*													*11.6*		*337*	51.6	0.98	1,841	6.65	151.3	Pace
3/3/2021	7.9	*8,480*	*7,730*	<56.7	*1,390*													*8.5*		*285*	53.3	0.91	2,186	6.60	183.0	Pace
8/25/2021	5.8	*5,270*	*6,910*	<113	*1,040*													*11.2*		*226*	58.4	6.36	724	6.42	176.4	Pace
6/28/2022	6.1	*6,260*	*11,800*	<284	*1,660*													*8.1*		*326*	53.9	10.56	2,755	6.14	196.4	Pace
11/1/2022	0.35	*6,430*	*17,400*	<567	*1,300*													*4.2*		53.0	56.2	1.71	2,538	6.23	178.7	Pace
6/7/2023	4.8	*4,730*	*14,100*	<284	*1,410*													*14.0*		*300*	54.1	0.41	3,334	6.43	148.3	Pace
11/14/2023	4.4	*5,350*	*32,500*	<567	*1,190*													*28.4*		*243*	57.8	2.41	1,322	6.08	310.7	Pace
10/22/2024		*4,060*	*38,400*																		59.5	3.36	1,452	6.25	313.8	Pace
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	55.9	1.50	1,534.6	6.66	171.9
Minimum	51.6	0.03	724.2	5.49	-40.0
Maximum	59.5	10.56	3,334.0	7.63	313.8

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
[1] = NR140.10 Table 1 Public Health Groundwater Quality Standard
[2] = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3g
Groundwater Analytical Results - MW7
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
1/3/2013	<0.0039	<2.4	6.1 J							<4.7	*841*	<0.39	<1.4	<0.10	<5.8	<2.3										Pace
3/5/2013	<0.0034	<1.2	4.3 J							<4.4	*661*	*0.58* J	<1.2	<0.10	<6.6	2.0 J										Pace
8/12/2013																					52.35	5.21	4,130	6.11	135.1	- -
11/12/2013																					53.45	4.62	2,795	7.44	-37.3	- -
2/12/2014																					48.45	5.83	4,908	6.31	278.2	- -
6/2/2014																					47.88	5.97	3,054	6.34	56.7	- -
8/5/2014																					53.67	3.71	4,771	6.77	20.2	- -
11/5/2014																					52.87	4.99	3,358	6.83	102.5	- -
2/10/2015																					47.82	7.9	2,708	7.08	130.7	- -
5/4/2015																					46.41	9.51	4,173	6.69	139.9	- -
8/4/2015																					52.43	8.41	4,047	7.64	95.4	- -
11/3/2015																					53.88	7.61	2,571	6.71	272.8	- -
2/22/2016	<0.039	3.2 J	2.1 J	<12.9	1.8 J													*4.2*		40.8	48.61	7.5	2,447	7.45	202.8	Pace
8/31/2016	<0.026	<2.1	1.8 J	<12.9	<1.4													*3.4*		42.4	53.82	7.89	4,913	7.24	91.6	Pace
2/14/2017	<0.023	<2.5	<1.9	<15.5	<1.1													*3.8*		36.7	48.65	9.66	3,095	7.09	143.5	Pace
8/29/2017	<0.51	5.2 J	<1.9	90.6 J	3.5 J													*2.8*		35.0	54.25	9.46	1,730	7.37	64.4	Pace
7/11/2018	<0.013	<2.5	<1.9	*293*	7.4													*3.2*		34.3	53.96	6.95	3,595	6.24	229.2	Pace
12/11/2018	<0.26	<2.5	<1.9	46.8 J	1.6 J													*3.3*		44.8	50.90	7.44	2,369	6.72	-15.1	Pace
4/30/2019	<0.13	<2.5	7.2 J	85.9 J	3.7 J													*2.5*		23.6	45.2	8.85	2,678		195.0	Pace
11/13/2019	<0.73	42.7	13.8	*4,000*	*233*													*2.3*		20.4	53.1	6.09	1,207	6.68	180.7	Pace
2/10/2020	<0.37	4.3 J	<3.0	75.4 J	8.9													*2.6*		22.3	41.3	8.56	1,258	6.78	154.2	Pace
3/3/2021	<0.37	2.8 J	3.6 J	74.1 J	5.0													*3.0*		33.3	47.9	5.07	2,425	7.63	155.0	Pace
8/25/2021	<0.37	<2.5	<2.6	125	6.1													*2.8*		27.9	54.7	7.92	723.1	7.01	191.6	Pace
11/1/2022	<0.37	<2.5	3.6 J	*2,460*	*267*													*3.0*		32.4	54.3	6.83	1,535	6.13	170.3	Pace
6/7/2023	<0.37	<2.5	3.6 J	111	15.1													*1.5*		36.9	47.2	10.46	4,093	6.73	129.5	Pace
11/14/2023	<0.37	<2.5	4.4 J	104	16.0													*2.0*		30.3	52.5	7.05	2,517	6.38	193.1	Pace
10/22/2024																					55.6	7.01	1,930	6.72	241.9	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	50.8	7.22	2,921.2	6.84	140.9
Minimum	41.3	3.71	723.1	6.11	-37.3
Maximum	55.6	10.46	4,913.0	7.64	278.2

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
[1] = NR140.10 Table 1 Public Health Groundwater Quality Standard
[2] = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3h
Groundwater Analytical Results - MW8
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
2/19/2013	0.53	*537*	*278*							<4.4	50.5	<0.38	<1.2	<0.10	<6.6	<1.4										Pace
3/5/2013	0.46	*507*	*546*							<4.4	39.5	<0.38	*1.5* J	<0.10	<6.6	<1.4										Pace
5/8/2013	1.1	*1,540*	*1,060*									0.47 J														Pace
8/12/2013	2.7	*2,630*	*1,720*			2,610	1,860														59.35	3.58	474	5.75	160.9	Pace
11/12/2013	2.7	*2,570*	*1,510*			2,700	1,860														57.67	3.29	330	6.19	72.4	Pace
2/12/2014	1.8	*1,550*	*605*			1,910	1,190														51.00	3.29	234	5.14	235.5	Pace
6/2/2014	1.8	*2,030*	*1,710*			2,220	2,070														54.90	1.2	255	5.51	148.1	Pace
8/5/2014	3.3	*3,320*	*3,420*			3,420	3,700														60.92	1.05	398	5.52	129.8	Pace
11/5/2014	1.8	*1,910*	*1,920*			2,110	2,300														57.19	3.56	255	5.65	148.4	Pace
2/10/2015	1.6	*1,850*	*1,010*			2,110	1,980														51.46	4.09	188	5.86	181.8	Pace
5/4/2015	0.98	*1,020*	*1,530*			1,330	1,900														52.50	5.76	271	5.71	186.7	Pace
8/4/2015	1.1	*1,060*	*1,450*			1,580	1,930														60.51	4.08	234	6.63	145.1	Pace
11/3/2015	0.76	*776*	*1,770*			986	1,920														59.48	3.45	243	5.72	318.8	Pace
2/22/2016	1.1	*1,270*	*1,460*	65.0 J	*160*													*7.5*		24.9	49.76	4.82	138	6.28	248.7	Pace
8/31/2016	0.49	*488*	*1,400*	<12.9	*105*													*6.6*		<10.0	63.53	3.46	223	6.38	141.3	Pace
2/14/2017	0.42	*426*	*1,040*	<15.5	37.2													*14.7*		9.1 J	50.87	7.63	239	6.37	206.7	Pace
8/29/2017	0.53	*470*	*1,750*	<15.5	38.2													*12.1*		8.8 J						Pace
7/11/2018	0.57	*594*	*876*	<15.5	29.5													*40.4*		14.2 J	59.54	4.6	747	5.42	271.6	Pace
12/11/2018	0.52	*560*	*1,290*	<35.4	42.0													*28.4*		20.3	54.68	7.25	563.2	5.79	-40.7	Pace
4/30/2019	0.31	*399*	*966*	37.4 J	40.6													*9.5*		27.5	46.5	7.66	1454		177.7	Pace
11/13/2019	0.54	*583*	*528*	58.2 J	22.4													*8.8*		18.8 J	52.8	5.75	256.6	5.97	202.0	Pace
2/10/2020	0.43	*565*	*434*	*173*	16.9													*7.5*		22.3	50.0	8.12	282.3	6.11	150.3	Pace
3/3/2021	0.28	*577*	*324*	*152*	9.5													*6.0*		18.3	51.5	7.32	252.6	6.73	171.8	Pace
8/25/2021	0.28	*485*	*300*	<56.7	9.7													*12.2*		11.8	59.2	5.54	724.1	6.81	189.1	Pace
6/28/2022	0.37	*398*	*441*	<56.7	6.2													*10.4*		6.0	57.2	8.76	571.8	6.60	200.1	Pace
11/1/2022	<0.37	*426*	*325*	119	9.0													*7.3*		14.4	58.0	5.16	272.7	5.66	190.4	Pace
6/7/2023	<0.37	*443*	*564*	131	19.8													*9.3*		14.9	53.2	9.61	556.1	6.22	128.8	Pace
11/14/2023	<0.37	*308*	*226*	<56.7	7.7													*4.8*		10.7	57.6	5.29	196.5	6.60	174.0	Pace
10/22/2024																					59.8	5.09	210.5	5.87	336.9	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	55.6	5.18	382.8	6.02	179.0
Minimum	46.5	1.05	138.0	5.14	-40.7
Maximum	63.5	9.61	1,454.0	6.81	336.9

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
[1] = NR140.10 Table 1 Public Health Groundwater Quality Standard
[2] = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold	= Exceeds NR140.10 Enforcement Standard (ES)
Italic	= Exceeds NR140.10 Preventive Action Limit (PAL)

Responsive. Efficient. Innovative.

Printed: 1/30/2025

Table 3i
Groundwater Analytical Results - MW9
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
2/19/2013	2.3	0.63 J	*65.8*							<4.4	214	*0.63* J	*3.1* J	<0.10	<6.6	<1.4										Pace
3/5/2013	0.85	*862*	17.8							<4.4	150	*15.0*	*4.8* J	<0.10	<6.6	<1.4										Pace
5/8/2013	<0.086	*499*	*1,790*									*3.0* J														Pace
8/12/2013	0.51	*539*	*647*	16.4 J	*182*	1,190	723	37,900	1,020									*11.2*		85.8	53.27	1.18	3,254	6.25	156.1	Pace
11/12/2013	2.7	*1,120*	*273*	38.1 J	*152*	1,520	370	15,600	554									*9.9*		*147*	55.25	1.81	2,045	7.44	2.6	Pace
2/12/2014	3.4	*2,580*	*190*	25.9 J	*261*	6,000	762	194,000	5,190									*12.0*		*161*	50.41	6.9	2,602	4.75	237.6	Pace
6/2/2014	0.27	*279*	*1,290*	28.2 J	*334*	1,350	1,430	62,200	1,420									*8.4*		79.6	51.48	3.98	6,191	5.45	119.8	Pace
8/5/2014	1.6	*2,770*	*292*	16.4 J	*87.4*	2,370	366	20,100	518									*7.7*		91.9	53.67	2.61	2,984	6.31	52.1	Pace
11/5/2014	0.56	*545*	*280*	37.9 J	*92.9*	1,720	582	102,000	2,050									*8.2*		77.8	53.46	0.53	1,982	6.82	155.6	Pace
2/10/2015	0.49	*682*	*1,020*	31.0 J	*311*	621	1,100	11,100	550									*28.9*		*1,010*	50.01	5.16	3,304	5.98	198.5	Pace
5/4/2015	0.63	*1,000*	*656*	<12.9	*524*	1,060	756	40,500	1,220									*22.4*		*614*	48.83	2.44	4,095	6.63	198.2	Pace
8/4/2015	0.60	*679*	*279*	<12.9	*223*	1,450	534	91,400	1,930									*11.9*		113	53.18	2.02	2,088	6.89	175.9	Pace
11/3/2015	0.92	*905*	*298*	<12.9	*287*	1,480	519	136,000	1,750									*12.3*		84.9	55.77	0.17	1,834	6.60	289.7	Pace
2/22/2016	0.86	*938*	*173*	<12.9	*130*													*8.7*		63.6	48.75	0.52	1,880	7.24	262.7	Pace
8/31/2016	0.40	*361*	*229*	<12.9	*134*													*6.9*		50.1	55.18	0.17	1,481	7.20	122.5	Pace
2/14/2017	1.1	*1,270*	*222*	<15.5	*124*													*9.4*		56.9	50.79	5.81	1,932	6.18	200.5	Pace
8/29/2017	0.36 J	*366*	*423*	<15.5	*198*													*8.6*		65.4	55.35	6.5	2,064	6.52	150.6	Pace
7/11/2018	0.24	*238*	*555*	<15.5	*250*													*8.4*		49.8	51.62	5.74	3,541	5.79	263.4	Pace
12/11/2018	0.35	*478*	*536*	<35.4	*162*													*10.6*		73.7	52.52	3.83	2,690	5.80	-44.9	Pace
4/30/2019	0.54	*604*	*341*	*238*	*341*													*8.3*		79.8	47.4	7.29	2,163		184.2	Pace
11/13/2019	0.32	*590*	*586*	<29.6	*103*													*8.4*		58.3	52.2	6.09	2,786	5.90	222.1	Pace
2/10/2020	0.40	*647*	*564*	*1,170*	*331*													*11.2*		89.8	49.1	5.05	2,903	5.93	135.1	Pace
3/3/2021	<0.073	*782*	*666*	*5,510*	*322*													*8.4*		75.2	49.2	6.65	2,758	6.45	204.5	Pace
8/25/2021	0.33	*337*	*435*	110	*60.8*													*8.6*		67.2	55.2	2.7	723.3	6.47	207.8	Pace
6/8/2022	0.11 J	*243*	*674*	<56.7	*111*													*8.4*		48.2	48.7	9.97	2,821	5.99	184.3	Pace
11/1/2022	<0.37	*435*	*789*	<56.7	*100*													*10.4*		55.8	54.9	3.72	3,166	5.70	215.2	Pace
6/7/2023	<0.37	*199*	*819*	<56.7	*78.1*													*8.2*		41.6	49.8	6.98	3,268	5.93	261.8	Pace
11/14/2023	<0.37	*432*	*404*	<56.7	39.7													*6.9*		40.7	55.3	2.77	2,085	6.01	203.4	Pace
10/22/2024																					57.3	1.77	1,698	6.33	250.9	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	52.3	3.94	2,628.4	6.26	177.3
Minimum	47.4	0.17	723.3	4.75	-44.9
Maximum	57.3	9.97	6,191.0	7.44	289.7

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3j
Groundwater Analytical Results - MW10
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
8/12/2013	0.045	*59.6*	*22.6*	19.8 J	40.4	120	79.2	21,700	1,010									*4.3*		41.4	55.68	7.77	1,010	6.24	142.5	Pace
11/12/2013	0.13	*228*	5.7	31.4 J	5.7	254	141	17,500	825									*3.4*		36.8	52.95	4.63	408	7.27	16.4	Pace
2/12/2014	0.36	*124*	19.7	24.1 J	3.2 J	177	60.8	13,900	594									*3.2*		69.1	47.61	5.91	737	5.68	225.3	Pace
6/2/2014	0.26	*346*	*110*	32.5 J	6.8	318	158	23,200	841									*2.6*		52.0	50.87	3.06	320	6.26	57.4	Pace
8/5/2014	0.096	*172*	*27.4*	27.1 J	3.5 J	493	215	16,700	698									*2.4*		36.7	55.51	3.61	469	6.72	29.9	Pace
11/5/2014	0.21	*244*	*81.6*	34.6 J	4.8 J	121	36.8	6,700	261									*2.0*		34.1	52.16	6.11	550	6.44	116.0	Pace
2/10/2015	0.37	*126*	*35.8*	26.7 J	2.2 J	176	67.2	6,110	207									*3.2*		57.5	48.96	4.57	1,007	6.26	187.0	Pace
5/4/2015	0.60	*995*	*261*	<12.9	5.1	799	194	9,070	327									*1.6*		30.7	47.45	5.65	564	6.49	170.3	Pace
8/4/2015	0.63	*633*	*167*	<12.9	3.6 J	412	101	8,320	342									*3.8*		38.9	56.66	7.13	427	7.10	135.9	Pace
11/3/2015	0.43	*196*	*33.2*			234	16.2 J			<7.2	69.8	<0.60	<3.0		<6.7	<2.7	16.2 J				55.96	6.95	450	6.66	298.3	Pace
2/22/2016	0.74	*724*	*171*	<12.9	3.5 J													*4.2*		60.7	45.32	4.18	444	7.04	259.4	Pace
8/31/2016	0.65	*217*	*47.4*	17.3 J	1.8 J													*3.0*		70.3	58.16	6.85	374	7.03	116.4	Pace
2/14/2017	0.58	*652*	*229*	<15.5	6.8													*3.4*		44.9	49.57	4.63	879	6.49	135.1	Pace
8/29/2017	0.49	*317*	*118*	<15.5	3.2 J													*3.0*		31.9	59.23	8.92	345	6.96	104.4	Pace
7/11/2018	0.029	*12.5*	*43.8*	<15.5	54.9													<0.38		38.6	54.86	5.69	331.7	6.23	196.1	Pace
12/11/2018	0.017	*50.0*	*77.3*	<35.4	15.3													*1.2*		14.3	48.56	6.01	307.6	6.44	-76.2	Pace
4/30/2019	<0.013	<2.5	7.5 J	<35.4	<1.1													*1.4*		7.1						Pace
11/13/2019	0.068	*112*	*31.2*	95.7 J	16.6													0.85		14.9	50.4	6.56	461.3	6.47	77.0	Pace
2/10/2020	0.12	*113*	17.8	<29.6	2.8 J													*1.3*		22.8	45.6	5.56	468.6	6.52	75.0	Pace
3/3/2021	0.016 J	*206*	*43.9*	*180*	10.1													0.89		18.7	45.8	6.04	456.2	6.43	150.5	Pace
8/25/2021	0.061	*311*	15.7	<56.7	<1.5													0.88		10.8	54.4	4.98	724.2	6.10	156.1	Pace
6/8/2022	0.25	*165*	10.8	<56.7	<1.5													*2.8*		22.7	47.7	8.05	601.8	6.09	135.9	Pace
11/1/2022	0.058 J	*120*	*23.1*	<56.7	<1.5													*1.3*		12.0	54.8	5.55	518.5	6.34	87.9	Pace
6/7/2023	0.61	*286*	10.7	<56.7	<1.5													*2.2*		18.4	50.7	8.77	407.7	6.54	304.7	Pace
11/14/2023	<0.37	*359*	*29.0*	<56.7	<1.5													*3.7*		25.5	53.0	6.74	423.0	6.34	208.0	Pace
10/22/2024		*139*	*26.2*																		57.0	9.58	447.3	6.64	283.8	Pace
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	52.0	6.14	525.3	6.51	143.7
Minimum	45.3	3.06	307.6	5.68	-76.2
Maximum	59.2	9.58	1,010.0	7.27	304.7

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3k
Groundwater Analytical Results - MW10 (Split Samples)
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																		Inorganics			Field Measurments						
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	Laboratory
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
8/12/2013																					55.68	7.77	1,010	6.24	142.5	NLS
11/12/2013	0.270	*230*	*93*																		52.95	4.63	408	7.27	16.4	NLS
2/12/2014	0.230	*120*	19			190	61														47.61	5.91	737	5.68	225.3	NLS
6/2/2014	0.330	*290*	*85*			320	99														50.87	3.06	320	6.26	57.4	NLS
8/5/2014	0.170	*170*	*25*			490	220														55.51	3.61	469	6.72	29.9	NLS
11/5/2014	0.230	*240*	*71*			140	41														52.16	6.11	550	6.44	116.0	NLS
2/10/2015	0.460	*120*	*36*			190	80														48.96	4.57	1,007	6.26	187.0	NLS
5/4/2015	0.270	*270*	*270*			750	170														47.45	5.65	564	6.49	170.3	NLS
8/4/2015	0.610	*650*	*180*			520	120														56.66	7.13	427	7.10	135.9	NLS
11/3/2015	0.470	*210*	*41*			230	69														55.96	6.95	450	6.66	298.3	NLS
2/22/2016	0.660	*730*	*170*																		45.32	4.18	444	7.04	259.4	NLS
8/31/2016	0.580	*240*	*53*																		58.16	6.85	374	7.03	116.4	NLS
2/14/2017	0.250	*670*	*270*																		49.57	4.63	879	6.49	135.1	NLS
8/29/2017	0.440	*330*	*130*																		59.23	8.92	345	6.96	104.4	NLS
7/11/2018	0.017	*21*	*130*																		54.86	5.69	331.7	6.23	196.1	NLS
12/11/2018	0.021	*57*	*110*																		48.56	6.01	307.6	6.44	-76.2	NLS
4/30/2019	0.0040	3.3	4.7																							NLS
11/13/2019	0.063	*150*	*73*																		50.4	6.56	461.3	6.47	77.0	NLS
2/10/2020	0.056	*56*	5.2																		45.6	5.56	468.6	6.52	75.0	NLS
3/3/2021	0.200	*200*	14																		45.8	6.04	456.2	6.43	150.5	NLS
8/25/2021	0.120	*200*	8.6 J																		54.4	4.98	724.2	6.10	156.1	NLS
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	52.0	6.14	525.3	6.51	143.7
Minimum	45.3	3.06	307.6	5.68	-76.2
Maximum	59.2	9.58	1,010.0	7.27	304.7

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
[1] = NR140.10 Table 1 Public Health Groundwater Quality Standard
[2] = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3l
Groundwater Analytical Results - MW11
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																		Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
8/12/2013	<0.0034	<1.2	1.1 J			120	82.4														58.01	3.16	883	6.10	109.1	Pace
11/12/2013	<0.17	<1.2	1.1 J			150	106														57.33	2.28	738	7.03	3.1	Pace
2/12/2014	<0.034	<1.2	<0.75			46.8	32.2														48.49	2.71	749	5.55	247.8	Pace
6/2/2014	<0.019	<2.1	<1.4			63.1	42.3														44.33	1.27	411	5.58	102.1	Pace
8/5/2014	<0.039	<2.1	<1.4			78.9	52.6														55.70	1.01	935	6.43	-7.4	Pace
11/5/2014	<0.019	<2.1	<1.4			54.1	36.6														55.98	0.58	613	6.17	111.1	Pace
2/10/2015	<0.019	<2.1	<1.4			37.4	24.8														48.01	0.78	692	6.29	184.4	Pace
5/4/2015	<0.019	<2.1	<1.4			80.1	51.0														44.09	2.08	618	6.06	134.1	Pace
8/4/2015	<0.019	<2.1	<1.4			37.6	25.1														56.89	2.03	619	6.58	144.6	Pace
11/3/2015	<0.019	<2.1	<1.4			17.6	12.9														59.40	0.46	586	6.10	271.6	Pace
2/22/2016	<0.019	<2.1	<1.4	*674*	*130*													*8.2*		15.7	47.24	0.75	708	6.37	274.1	Pace
8/31/2016	<0.026	<2.1	<1.4	*272*	*64.8*													*5.4*		15.7 J	62.04	0.3	659	6.35	120.5	Pace
2/14/2017	<0.026	<2.5	<1.9	*266*	48.3													*5.2*		14.9 J	50.95	0.42	829	6.10	160.6	Pace
8/29/2017	<0.026	<2.5	<1.9	*166*	37.2													*5.8*		17.0	59.69	2.01	688	6.34	80.4	Pace
7/11/2018	<0.026	<2.5	<1.9	29.6 J	18.2													*7.3*		15.2	56.12	0.89	739	5.87	207.1	Pace
12/11/2018	<0.051	<2.5	<1.9	50.2 J	55.7													*7.9*		18.7	52.16	1.08	760	6.10	-75.6	Pace
4/30/2019	<0.051	<2.5	<1.9	50.5 J	53.3													*5.6*		16.4	41.4	2.04	883		211.3	Pace
11/13/2019	<0.073	<2.5	<3.0	112	*144*													*4.8*		16.4	54.5	0.55	850	6.07	210.5	Pace
2/10/2020	<0.073	<2.5	<3.0	*1,460*	*514*													*6.8*		21.2	45.9	0.48	913	6.20	166.0	Pace
3/3/2021	<0.073	<2.5	7.8 J	*159*	*94.3*													*5.3*		16.0	43.2	2.05	861	6.42	112.8	Pace
8/25/2021	<0.073	<2.5	<2.6	<56.7	*132*													*6.3*		21.9	59.7	0.55	723.7	6.07	203.7	Pace
6/8/2022	<0.073	<2.5	<2.6	*219*	*165*													*5.1*		18.8	46.2	2.69	984	6.03	169.1	Pace
11/1/2022	<0.073	<2.5	<2.6	100	*234*													*4.3*		23.0	57.3	0.78	1,995	5.80	196.5	Pace
6/7/2023	<0.37	<2.5	<2.6	102	*68.4*													*3.9*		22.1	48.3	2.15	1,016	6.13	211.8	Pace
11/14/2023	<0.37	<2.5	<2.6	75.6 J	58.1													*5.7*		16.9	57.7	0.69	1,121	6.50	219.7	Pace
10/22/2024																					60.3	0.14	912	6.04	194.5	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	52.7	1.31	826.4	6.17	152.4
Minimum	41.4	0.14	411.0	5.55	-75.6
Maximum	62.0	3.16	1,995.0	7.03	274.1

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
[1] = NR140.10 Table 1 Public Health Groundwater Quality Standard
[2] = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3m
Groundwater Analytical Results - MW11 (Split Samples)
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																		Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	--	mV	--
Date																										
8/12/2013																					58.01	3.16	883	6.10	109.1	NLS
11/12/2013																					57.33	2.28	738	7.03	3.1	NLS
2/12/2014	0.0017 J	<.50	<0.50			110	75														48.49	2.71	749	5.55	247.8	NLS
6/2/2014	<0.0017	<0.50	0.69 J			<0.50	1.3														44.33	1.27	411	5.58	102.1	NLS
8/5/2014	<0.0017	<0.50	0.80 J			90	59														55.70	1.01	935	6.43	-7.4	NLS
11/5/2014	0.0047	<0.50	<0.50			60	39														55.98	0.58	613	6.17	111.1	NLS
2/10/2015	0.0023	<0.32	<1.3			51	36														48.01	0.78	692	6.29	184.4	NLS
5/4/2015	<0.0017	0.75 J	<1.3			78	53														44.09	2.08	618	6.06	134.1	NLS
8/4/2015	<0.0017	<0.50	<0.50			36	25														56.89	2.03	619	6.58	144.6	NLS
11/3/2015	<0.0011	<0.50	0.52 J			7.4	6.5														59.40	0.46	586	6.10	271.6	NLS
2/22/2016	0.0012 J	<0.50	0.81 J																		47.24	0.75	708	6.37	274.1	NLS
8/31/2016	<0.0011	0.88 J	<0.13																		62.04	0.3	659	6.35	120.5	NLS
2/14/2017	0.0025 J	<0.67	<1.1																		50.95	0.42	829	6.10	160.6	NLS
8/29/2017	<0.0011	<0.50	0.53 J																		59.69	2.01	688	6.34	80.4	NLS
7/11/2018	<0.0011	<0.58	1.3 J																		56.12	0.89	739	5.87	207.1	NLS
12/11/2018	<0.0011	<0.58	<0.94																		52.16	1.08	760	6.10	-75.6	NLS
4/30/2019	0.0023	<0.58	<0.94																		41.4	2.04	883		211.3	NLS
11/13/2019	0.00082 J	1.0 J	<0.94																		54.5	0.55	850	6.07	210.5	NLS
2/10/2020	0.0011 J	<0.56	1.6 J																		45.9	0.48	913	6.20	166.0	NLS
3/3/2021	0.0014 J	<0.58	4.4																		43.2	2.05	861	6.42	112.8	NLS
8/25/2021	<0.00052	<0.99	<3.5																		59.7	0.55	723.7	6.07	203.7	NLS
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	52.7	1.31	826.4	6.17	152.4
Minimum	41.4	0.14	411.0	5.55	-75.6
Maximum	62.0	3.16	1,995.0	7.03	274.1

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3n
Groundwater Analytical Results - MW12
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																		Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
8/12/2013																					55.10	6.8	1,277	4.98	170.3	- -
11/12/2013																					55.75	6.11	1,451	6.81	-11.4	- -
2/12/2014																					49.27	3.75	1,898	6.16	259.8	- -
6/2/2014																					47.64	5.46	1,234	6.37	36.7	- -
8/5/2014																					57.55	3.32	752	6.62	31.2	- -
5/4/2015																					44.08	10.75	1,052	6.94	138.8	- -
8/4/2015																					54.62	8.52	1,499	7.65	105.4	- -
2/22/2016	<0.019	<2.1	<1.4	<12.9	<1.4													*6.8*		18.8	48.99	9.77	2,102	7.45	234.2	Pace
8/31/2016	<0.026	<2.1	<1.4	<12.9	<1.4													*5.3*		16.1 J	57.53	6.15	1,677	7.01	96.4	Pace
2/14/2017	<0.026	<2.5	<1.9	16.9 J	1.5 J													*7.8*		35.8	49.73	9.61	5,640	6.72	174.5	Pace
8/29/2017	<0.051	<2.5	<1.9	<15.5	1.7 J													*5.1*		17.3	58.20	7.86	1,498	6.98	84.8	Pace
7/11/2018	<0.051	<2.5	<1.9	<15.5	<1.1													*4.3*		11.3 J	54.32	6.82	1,246	6.11	216.2	Pace
12/11/2018	<0.13	<2.5	<1.9	<35.4	<1.1													*6.4*		18.0	52.52	7.67	1,416	6.30	-9.2	Pace
4/30/2019	<0.13	<2.5	<1.9	<35.4	<1.1													*3.7*		13.0 J	42.9	10.1	1,164		194.7	Pace
11/13/2019	<0.073	<2.5	<3.0	<29.6	<1.1													*5.3*		14.7	42.9	10.1	1,164		195.7	Pace
2/10/2020	<0.73	<2.5	<3.0	<29.6	1.6 J													*6.3*		19.5	48.7	9.62	1,853	6.54	159.9	Pace
3/3/2021	<0.073	<2.5	3.9 J	<56.7	2.0 J													*6.0*		21.4	48.8	7.76	2,719	6.82	183.6	Pace
8/25/2021	<0.073	<2.5	<2.6	68.8 J	2.4 J													*4.5*		13.6	58.2	6.95	723.4	6.33	200.3	Pace
6/8/2022	<0.073	<2.5	<2.6	<56.7	<1.5													*4.8*		10.7	48.0	11.32	800.0	6.89	115.0	Pace
11/1/2022	<0.37	<2.5	<2.6	<56.7	<1.5													*7.3*		25.0	54.8	6.79	2,833	5.62	211.5	Pace
6/7/2023	<0.37	<2.5	3.2 J	<56.7	<1.5													*12.0*		15.1	50.2	10.62	542.0	6.55	270.2	Pace
11/14/2023	<0.37	<2.5	2.6 J	<56.7	2.2 J													*5.9*		15.6	54.7	7.41	1,795	6.15	194.5	Pace
10/22/2024																					58.6	7.28	1,409	6.34	240.3	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	51.9	7.85	1,641.1	6.54	151.9
Minimum	42.9	3.32	542.0	4.98	-11.4
Maximum	58.6	11.32	5,640.0	7.65	270.2

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3o
Groundwater Analytical Results - MW13
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
7/11/2018	<0.051	<2.5	<1.9	*375*	*799*													<0.38		7.2 J	51.26	1.27	344.2	5.89	105.2	Pace
12/11/2018	<0.26	5.5 J	1.9 J	*5,460*	*2,110*													<0.38		<5.0	50.54	0.91	652.6	6.58	-110.2	Pace
4/30/2019	<0.26	<2.5	3.6 J	*3,270*	*1,620*													<0.38		<5.0	45.6	1.04	443.8		-56.1	Pace
11/13/2019	<0.37	5.3 J	<3.0	*11,700*	*2,400*													<0.22		2.6 J	50.8	0.55	752	6.56	-82.2	Pace
2/10/2020	<0.18	6.0 J	<3.0	*10,800*	*2,230*													<0.22		<2.2	48.0	0.25	930	6.51	-53.9	Pace
3/3/2021	0.69	6.9 J	<2.6	*11,300*	*2,050*													<0.044		5.5	46.6	3.12	606.1	6.96	-82.2	Pace
8/25/2021	<0.37	5.3 J	<2.6	*12,400*	*2,300*													<0.22		<2.2	50.7	5.6	723.1	851.00	612.0	Pace
6/8/2022	<0.18	4.4 J	<2.6	*14,100*	*2,730*													<0.044		0.70 J	47.4	5.09	239	6.43	84.9	Pace
11/1/2022	0.39 J	5.0 J	<2.6	*16,800*	*3,030*													<0.22		2.2 J	51.4	1.4	923	5.91	-30.1	Pace
6/7/2023	2.4 J	5.6 J	<2.6	*21,800*	*3,750*													<0.22		2.4 J	48.0	2.09	1,050	6.33	-33.9	Pace
11/14/2023	<0.37	6.0 J	<2.6	*14,200*	*2,520*													<0.22		<2.2	50.9	0.81	82.0	6.40	25.1	Pace
10/22/2024																					56.8	0.8	85.0	6.38	12.1	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	49.8	1.91	569.2	83.18	32.6
Minimum	45.6	0.25	82.0	5.89	-110.2
Maximum	56.8	5.60	1,050.0	851.00	612.0

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3p
Groundwater Analytical Results - MW13 (Split Samples)
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
7/11/2018	<0.0011	2.7	2.7 J																		51.26	1.27	344.2	5.89	105.2	NLS
12/11/2018	0.0093	6.6	2.5 J																		50.54	0.91	652.6	6.58	-110.2	NLS
4/30/2019	0.0066	5.0	3.2 J																		45.6	1.04	443.8		-56.1	NLS
11/13/2019	0.0013 J	6.2	2.0 J																		50.8	0.55	752	6.56	-82.2	NLS
2/10/2020	0.0020	3.8	1.4 J																		48.0	0.25	930	6.51	-53.9	NLS
3/3/2021	0.00092 J	9.1	1.3 J																		46.6	3.12	606.1	6.96	-82.2	NLS
8/25/2021	0.00068 J	*12*	<3.5																		50.7	5.6	723.1	851.00	612.0	NLS
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	
																				Average	49.8	1.91	569.2	83.18	32.6	
																				Minimum	45.6	0.25	82.0	5.89	-110.2	
																				Maximum	56.8	5.60	1,050.0	851.00	612.0	

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3q
Groundwater Analytical Results - MW14
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
7/11/2018	<0.051	<2.5	<1.9	*5,480*	*849*													<0.38		12.9 J	52.16	1.38	627.3	6.35	-27.1	Pace
12/11/2018	<0.26	<2.5	<1.9	*7,100*	*522*													<0.38		9.1 J	48.20	0.83	510.7	6.63	-97.4	Pace
4/30/2019	<0.26	<2.5	<1.9	*3,960*	*252*													<0.38		6.9 J	42.3	0.66	427.3		20.0	Pace
11/13/2019	<0.37	<2.5	<3.0	*4,740*	*286*													<0.22		6.4 J	50.7	0.3	468.7	6.60	-32.0	Pace
2/10/2020	<0.18	<2.5	<3.0	*6,710*	*402*													<0.22		8.3 J	44.5	0.26	538.9	6.51	1.3	Pace
3/3/2021	<0.37	<2.5	<2.5	*4,680*	*2,76*													<0.22		4.6 J	44.7	1.05	466.5	7.17	-49.5	Pace
8/25/2021	<0.37	<2.5	<2.5	*4,370*	*259*													<0.22		6.4 J	54.4	0.57	724.2	6.12	-13.0	Pace
6/8/2022	<0.37	<2.5	<2.6	*7,940*	*480*													<0.044		12.6	47.7	2.09	543.7	5.98	0.5	Pace
11/1/2022	<1.8	<2.5	<2.6	*3,690*	*174*													<0.22		4.7 J	53.7	1.5	396.7	6.69	21.2	Pace
6/7/2023	<1.8	<2.5	<2.6	*4,600*	*281*													<0.22		15.8	49.9	1.27	464.1	6.62	137.6	Pace
11/14/2023	<1.8	<2.5	<2.6	*2,640*	*163*													<0.22		6.2 J	52.1	0.38	434.1	6.80	32.1	Pace
10/22/2024																					56.9	0.74	549.3	6.57	52.0	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	49.8	0.92	512.6	6.55	3.8
Minimum	42.3	0.26	396.7	5.98	-97.4
Maximum	56.9	2.09	724.2	7.17	137.6

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3r
Groundwater Analytical Results - MW14 (Split Samples)
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
7/11/2018	<0.0011	<0.58	<0.94																		52.16	1.38	627.3	6.35	-27.1	NLS
12/11/2018	0.0012 J	<0.58	<0.94																		48.20	0.83	510.7	6.63	-97.4	NLS
4/30/2019	0.0037	<0.58	<0.94																		42.3	0.66	427.3		20.0	NLS
11/13/2019	0.00058 J	<0.58	<0.94																		50.7	0.3	468.7	6.60	-32.0	NLS
2/10/2020	0.0013 J	<0.58	<0.94																		44.5	0.26	538.9	6.51	1.3	NLS
3/3/2021	<0.00052	<0.58	<0.94																		44.7	1.05	466.5	7.17	-49.5	NLS
8/25/2021	<0.00052	<0.99	<3.5																		54.4	0.57	724.2	6.12	-13.0	NLS
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	
																				Average	49.8	0.92	512.6	6.55	3.8	
																				Minimum	42.3	0.26	396.7	5.98	-97.4	
																				Maximum	56.9	2.09	724.2	7.17	137.6	

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold	= Exceeds NR140.10 Enforcement Standard (ES)
Italic	= Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3s
Groundwater Analytical Results - MW15
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
7/11/2018	<0.13	<2.5	6.9 J	*3,490*	*1,800*													<0.38		<5.0	60.62	1.26	286.5	5.29	121.7	Pace
12/11/2018	<0.26	<2.5	5.1 J	*4,360*	*1,480*													<0.38		<5.0	50.54	0.39	152.1	5.94	-91.8	Pace
4/30/2019	<0.26	<2.5	4.0 J	*559*	*70.3*													<0.38		<5.0	39.6	3.61	287.7		158.2	Pace
11/13/2019	<0.37	<2.5	<3.0	*2,050*	*150*													<0.22		<2.2	54.9	0.54	187.4	5.80	132.4	Pace
2/10/2020	<0.18	<2.5	<3.0	137	*544*													<0.22		<2.2	43.5	1.02	231.9	6.05	133.0	Pace
3/3/2021	<0.18	<2.5	*32*	*3,780*	*646*													<0.044		0.75 J	45.3	1.00	252.9	6.66	82.1	Pace
8/25/2021	<0.37	<2.5	<2.6	*427*	21.4													<0.22		<2.2	61.8	2.42	724	5.68	131.5	Pace
6/8/2022	<0.18	<2.5	<2.6	*566*	30.6													0.14 J		2.6	48.2	2.16	192.6	5.88	167.5	Pace
11/1/2022	<0.37	<2.5	<2.6	*1,650*	*93.6*													0.36 J		3.2 J	56.6	3.36	111.7	5.33	206.3	Pace
6/7/2023	<0.37	<2.5	<2.6	*900*	*125*													<0.22		2.8 J	50.6	1.83	269.8	5.72	282.6	Pace
11/14/2023	<0.37	<2.5	<2.6	*7,410*	*82.0*													<0.22		<2.2	55.7	5.47	76.6	5.75	236.3	Pace
10/22/2024																					62.1	3.77	67.9	5.57	344.9	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	52.5	2.24	236.8	5.79	158.7
Minimum	39.6	0.39	67.9	5.29	-91.8
Maximum	62.1	5.47	724.0	6.66	344.9

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3t
Groundwater Analytical Results - MW15 (Split Samples)
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
7/11/2018	<0.0011	1.1 J	6.2																		60.62	1.26	286.5	5.29	121.7	NLS
12/11/2018	0.0029 J	1.5 J	4.8																		50.54	0.39	152.1	5.94	-91.8	NLS
4/30/2019	0.0027	<0.58	2.5 J																		39.6	3.61	287.7		158.2	NLS
11/13/2019	0.0013 J	1.0 J	1.8 J																		54.9	0.54	187.4	5.80	132.4	NLS
2/10/2020	0.0011	0.76 J	4.5																		43.5	1.02	231.9	6.05	133.0	NLS
3/3/2021	0.00092 J	0.62 J	3.0 J																		45.3	1.00	252.9	6.66	82.1	NLS
8/25/2021	0.0022	1.4 J	3.5																		61.8	2.42	724	5.68	131.5	NLS
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	52.5	2.24	236.8	5.79	158.7
Minimum	39.6	0.39	67.9	5.29	-91.8
Maximum	62.1	5.47	724.0	6.66	344.9

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3u
Groundwater Analytical Results - PZ1
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
8/12/2013	1.6	*1,590*	4.1 J	<14.0	*124*	2,910	269	301,000	4,400									*4.3*		62.8	56.79	0.61	6.14	6.45	141.1	Pace
11/12/2013	1.0	*810*	3.5 J	<14.0	*154*	1,610	108	99,600	1,900									*3.4*		55.6	58.50	2.55	595	7.79	-27.5	Pace
2/12/2014	1.1	*1,310*	3.8 J	<14.0	*61.5*	1,490	24.8	27,700	362									*3.9*		58.4	55.40	4.72	681	5.98	177.0	Pace
6/2/2014	0.41	*652*	3.1 J	<12.9	45.0	1,520	1,320	104,000	87.0									*3.1*		51.9	55.31	0.38	784	7.30	-11.3	Pace
8/5/2014	1.6	*1,640*	2.9 J	<12.9	14.9	1,760	14.9	14,900	179									*3.8*		49.7	56.97	1.07	747	7.62	-13.3	Pace
11/5/2014	1.0	*1,090*	2.4 J	<12.9	*102*	2,040	81.2	103,000	1,220									*3.4*		44.3	57.56	0.72	585	7.28	147.4	Pace
2/10/2015	1.9	*1,950*	3.9 J	<12.9	5.0 J	2,040	18.1	16,100	223									*4.2*		48.6	55.45	2.51	565	7.46	148.0	Pace
5/4/2015	1.5	*1,420*	2.0 J	<12.9	9.7	1,660	15.0	15,700	216									*4.0*		45.2	53.91	2.37	554	7.38	171.6	Pace
8/4/2015	1.4	*1,220*	2.1 J	<12.9	22.0	2,130	73.2	95,300	1,210									*3.8*		43.1	55.55	1.21	548	7.20	127.7	Pace
11/3/2015	1.7	*1,470*	2.1 J	<12.9	28.9	2,790	108	74,500	1,590									*4.3*		41.8	57.92	0.16	549	7.30	270.9	Pace
2/22/2016	1.9	*1,740*	1.7 J	<12.9	16.6													*4.3*		44.0	54.77	2.01	515	7.62	246.1	Pace
8/31/2016	1.4	*1,650*	2.0 J	<12.9	11.1													*3.8*		39.3	57.60	0.67	526	7.71	81.1	Pace
2/14/2017	1.9	*1,730*	3.7 J	<15.5	19.5													*4.1*		42.0	54.58	1.07	565	7.07	167.3	Pace
8/29/2017	1.1	*1,480*	<1.9	<15.5	15.7													*4.0*		39.7	58.02	2.04	444	7.28	105.9	Pace
7/11/2018	1.2	*1,350*	<1.9	<15.5	21.6													*5.1*		40.8	55.58	1.06	531.7	7.04	234.0	Pace
12/11/2018	1.5	*1,500*	<1.9	<35.4	9.2													*6.3*		45.9	55.40	1.69	517.3	7.41	-50.3	Pace
4/30/2019	1.2	*1,130*	<1.9	121	8.4													*5.5*		46.5	54.3	2.64	512.4		194.1	Pace
11/13/2019	0.94	*888*	<3.0	<29.6	13.6													*4.8*		41.4	54.3	2.64	512.4		195.1	Pace
2/10/2020	0.87	*800*	<3.0	<29.6	<1.1													*5.0*		47.1	53.0	2.61	526.1	7.01	128.6	Pace
3/3/2021	0.50	*544*	*34.6*	*367*	44.5													*4.7*		45.0	54.7	3.08	511.1	7.25	150.1	Pace
8/25/2021	0.41	*403*	<2.6	<56.7	<1.5													*4.8*		51.6	59.2	6.17	724.3	7.08	138.0	Pace
6/8/2022	<0.037	*369*	3.2 J	345	9.9													*4.9*		53.5	54.1	5.93	601.3	6.18	131.2	Pace
11/1/2022	5.8	*410*	<2.6	<56.7	<1.5													*19.2*		297	56.9	2.83	543.5	6.24	126.5	Pace
6/7/2023	0.21	*407*	<2.6	<56.7	<1.5													*3.5*		54.0	55.7	6.29	665	6.91	147.9	Pace
11/14/2023	<0.37	*514*	<2.6	<56.7	<1.5													*4.4*		58.1	56.9	4.65	541.4	7.08	288.3	Pace
10/22/2024																					58.2	2.13	619.4	7.54	250.4	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	56.0	2.45	556.5	7.13	141.0
Minimum	53.0	0.16	6.1	5.98	-50.3
Maximum	59.2	6.29	784.0	7.79	288.3

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3v
Groundwater Analytical Results - PZ2
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
7/11/2018	<0.51	<2.5	<1.9	*298*	*684*													<0.38		15.2	51.08	2.1	373	6.93	-141.4	Pace
12/11/2018	<1.3	<2.5	<1.9	*1,450*	*709*													<0.38		<5.0	49.82	0.8	323.7	6.98	-103.7	Pace
4/30/2019	<0.026	<2.5	<1.9	*384*	*591*													<0.075		5.6	46.4	0.32	265.9		24.2	Pace
11/13/2019	<0.073	<2.5	<3.0	*1,020*	*68.5*													<0.22		5.6 J	50.0	1.76	253.9	6.73	57.4	Pace
2/10/2020	<0.037	<2.5	<3.0	47.6 J	*300*													0.13 J		6.4	48.1	1.18	275.6	6.77	68.0	Pace
3/3/2021	<0.037	<2.5	7.8 J	*3,550*	*758*													<0.044		8.5	47.9	2.51	208.3	7.25	-23.3	Pace
8/25/2021	<0.037	<2.5	<2.6	<56.7	<1.5													0.51 J		6.1 J	51.7	5.15	724	6.21	129.7	Pace
6/8/2022	0.37	<2.5	<2.6	*390*	*200*													<0.044		9.4	46.6	5.93	601.3	6.18	131.2	Pace
11/1/2022	<0.073	<2.5	<2.6	*725*	*787*													0.25 J		13.8	52.0	3.17	237.6	5.73	127.6	Pace
6/7/2023	<1.8	*19.1*	7.6 J	*8,750*	*675*													<0.22		8.8 J	46.9	4.98	269.2	6.66	-10.8	Pace
11/14/2023	<1.8	<2.5	<2.6	*380*	*452*													<0.22		9.6 J	50.2	1.12	299.2	6.65	35.0	Pace
10/22/2024																					52.2	3.11	271.7	7.15	67.7	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	49.4	2.68	342.0	6.66	30.1
Minimum	46.4	0.32	208.3	5.73	-141.4
Maximum	52.2	5.93	724.0	7.25	131.2

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3w
Groundwater Analytical Results - PZ2 (Split Samples)
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
7/11/2018	<0.0011	<0.58	2.6 J																		51.08	2.1	373	6.93	-141.4	NLS
12/11/2018	0.0029 J	<0.58	<0.94																		49.82	0.8	323.7	6.98	-103.7	NLS
4/30/2019	0.0010 J	0.62 J	<0.94																		46.4	0.32	265.9		24.2	NLS
11/13/2019	0.00058 J	0.70 J	<0.94																		50.0	1.76	253.9	6.73	57.4	NLS
2/10/2020	0.0011 J	<0.58	<0.94																		48.1	1.18	275.6	6.77	68.0	NLS
3/3/2021	0.00068 J	<0.58	<0.94																		47.9	2.51	208.3	7.25	-23.3	NLS
8/25/2021	0.0012 J	<0.99	<3.5																		51.7	5.15	724	6.21	129.7	NLS
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	
																				Average	49.4	2.68	342.0	6.66	30.1	
																				Minimum	46.4	0.32	208.3	5.73	-141.4	
																				Maximum	52.2	5.93	724.0	7.25	131.2	

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3x
Groundwater Analytical Results - PZ3
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
7/11/2018	1.6	*1,510*	*4,040*	22.3 J	*410*													*7.8*		51.4	56.48	5.15	651	6.36	179.8	Pace
12/11/2018	1.2	*1,150*	*3,260*	<35.4	*272*													*7.1*		60.5	49.28	6.17	700.5	6.79	-74.0	Pace
4/30/2019	0.70	*789*	*2,660*	<35.4	*239*													*6.6*		50.2	43.4	1.78	434.4		119.2	Pace
11/13/2019	1.1	*1,260*	*2,720*	<29.6	*225*													*9.5*		52.4	52.0	3.5	485.6	7.00	57.2	Pace
2/10/2020	0.16	*665*	*786*	146	54.0													*1.5*		11.8	47.4	7.43	467	6.79	37.0	Pace
3/3/2021	0.67	*940*	*1,190*	<56.7	*83.6*													*5.0*		36.8	45.9	7.16	549.5	6.82	125.2	Pace
8/25/2021	1.4	*1,400*	*1,420*	<56.7	*105*													*8.7*		53.6	57.6	6.7	724.3	6.29	118.4	Pace
6/8/2022	0.59	*484*	*939*	<56.7	51.0													*5.1*		30.2	49.1	13.41	224.3	6.24	114.6	Pace
11/1/2022	<1.8	*1,080*	*1,750*	<56.7	*110*													*7.6*		48.0	55.2	8.38	204	5.77	108.4	Pace
6/7/2023	<1.8	*1,100*	*1,760*	*158*	*105*													*8.9*		58.9	47.7	9.32	397.3	6.65	297.3	Pace
11/14/2023	<1.8	*1,070*	*2,100*	*863*	*140*													*9.6*		49.9	53.3	6.48	321.8	6.55	280.2	Pace
10/22/2024		*1,050*	*2,170*																		58.6	7.34	359.2	6.69	272.6	Pace
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	51.3	6.90	459.9	6.54	136.3
Minimum	43.4	1.78	204.0	5.77	-74.0
Maximum	58.6	13.41	724.3	7.00	297.3

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold	= Exceeds NR140.10 Enforcement Standard (ES)
Italic	= Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3y
Groundwater Analytical Results - PZ3 (Split Samples)
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	--	mV	--
Date																										
7/11/2018	1.300	*1,300*	*3,800*																		56.48	5.15	651	6.36	179.8	NLS
12/11/2018	0.980	*1,000*	*3,200*																		49.28	6.17	700.5	6.79	-74.0	NLS
4/30/2019	0.0091	*800*	*3,000*																		43.4	1.78	434.4		119.2	NLS
11/13/2019	1.100	*1,200*	*2,600*																		52.0	3.5	485.6	7.00	57.2	NLS
2/10/2020	0.230	*200*	*250*																		47.4	7.43	467	6.79	37.0	NLS
3/3/2021	0.580	*920*	*1,200*																		45.9	7.16	549.5	6.82	125.2	NLS
8/25/2021	1.400	*1,500*	*1,500*																		57.6	6.7	724.3	6.29	118.4	NLS
6/8/2022																					49.1	13.41	224.3	6.24	114.6	--
11/1/2022																					55.2	8.38	204	5.77	108.4	--
6/7/2023																					47.7	9.32	397.3	6.65	297.3	--
11/14/2023																					53.3	6.48	321.8	6.55	280.2	--
10/22/2024																										
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	50.7	6.86	469.1	6.53	123.9
Minimum	43.4	1.78	204.0	5.77	-74.0
Maximum	57.6	13.41	724.3	7.00	297.3

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard
pH electrode malfunction 4/30/2019

Bold = Exceeds NR140.10 Enforcement Standard (ES)
Italic = Exceeds NR140.10 Preventive Action Limit (PAL)

Table 3z
Groundwater Analytical Results - PZ4
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

Parameter	Metals																	Inorganics			Field Measurments					Laboratory
	Hexavalent Chromium	Chromium[1] Dissolved	Nickel[1] Dissolved	Iron[2] Dissolved	Manganese[1] Dissolved	Chromium Total	Nickel Total	Iron Total	Manganese Total	Arsenic[1] Dissolved	Barium[1] Dissolved	Cadmium[1] Dissolved	Lead[1] Dissolved	Mercury[1] Dissolved	Selenium[1] Dissolved	Silver[1] Dissolved	Zinc Total	Nitrate (NO_3) as Nitrogen[1]	Nitrite (NO_2) as Nitrogen[1]	Sulfate (SO_4)	Temperature	Dissolved Oxygen (DO)	Specific Conductivity	pH	Oxygen Reduction Potential (ORP)	
CAS Number	78540-29-9	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-47-3	7440-02-0	7439-89-6	7439-96-5	7440-38-2	7440-39-3	7440-43-9	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	14797-55-8	14797-65-0	14808-79-8	- -	- -	- -	- -	- -	- -
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	°F	mg/L	ms/cm	- -	mV	- -
Date																										
6/9/2022	<0.037	<2.5	<2.6	<56.7	*148*													0.51		13.6	51.7	9.02	578.4	6.35	66.5	Pace
11/1/2022	<0.018	<2.5	<2.6	<56.7	7.1													0.30		16.2	52.1	4.04	499.2	6.12	168.1	Pace
6/7/2023	<1.8	<2.5	<2.6	<56.7	*146*													0.45 J		13.6	47.7	7.43	115.2	6.64	297.1	Pace
11/14/2023	<1.8	<2.5	<2.6	<56.7	*203*													0.17		16.4	51.1	3.37	458.5	7.19	94.0	Pace
10/22/2024																					54.7	4.86	144.3	6.46	270.0	- -
NR140.10 ES	- -	100	100	300	300	- -	- -	- -	- -	10	2,000	5	15	2	50	50	- -	10	1	250	- -	- -	- -	- -	- -	
NR140.10 PAL	- -	*10*	*20*	*150*	*60*	- -	- -	- -	- -	*1*	*400*	*0.5*	*1.5*	*0.2*	*10*	*10*	- -	*1*	*0.2*	*125*	- -	- -	- -	- -	- -	

Average	51.5	5.74	359.1	6.55	179.1
Minimum	47.7	3.37	115.2	6.12	66.5
Maximum	54.7	9.02	578.4	7.19	297.1

Notes:
µg/L - Parts Per Billion (ppb)
mg/L - Parts Per Million (ppm)
< = Concentration Below Laboratory Detection Limit
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
= Not Samples/Collected
1 = NR140.10 Table 1 Public Health Groundwater Quality Standard
2 = NR140.12 Table 2 Public Welfare Groundwater Quality Standard

Table 4a
Groundwater Analytical Results (PFAS) - MW6
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

			Collected By-->	*REI Engineering Inc.*	
			Date-->	*10/22/2024*	
			Associated QA/QC Sample-->	*Duplicate*	
PFAS's (ng/L)	CAS Number	Proposed NR140 Enforcement Standard (ES)	Proposed NR140 Preventive Action Limit (PAL)		
Perfluoro-n-butanoic acid (PFBA)	375-22-4	10,000 [2]	2,000 [2]	51.4	
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	- -	- -	116	
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	150,000 [2]	30,000 [2]	121	
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	- -	- -	23.3	
Perfluoro-n-octanoic acid (PFOA)	335-67-1	20 [1, 3]	2 [1, 3]	*62.2*	
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	30 [2]	3 [2]	<0.22	
Perfluoro-n-decanoic acid (PFDA)	335-76-2	300 [2]	60 [2]	<0.26	
Perfluoro-n-undecanoic acid (PFUnA)	2058-94-8	3,000 [2]	600 [2]	<0.67	
Perfluoro-n-dodecanoic acid (PFDoA)	307-55-1	500 [2]	100 [2]	<0.45	
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	- -	- -	<0.30	
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	10,000 [2]	2,000 [2]	<0.38	
Perfluoro-1-butanesulfonic acid (PFBS)	375-73-5	450,000 [2]	90,000 [2]	123	
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	- -	- -	0.83 [J]	
Perfluoro-1-hexanesulfonic acid (PFHxS)	355-46-4	40 [2]	4 [2]	*22.7*	
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	- -	- -	57.3	
Perfluoro-1-octanesulfonic acid (PFOS)	1763-23-1	20 [1, 3]	2 [1, 3]	*2,310*	
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	- -	- -	2.0 [J]	
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	- -	- -	<0.59	
Perfluoro-1-dodecanesulfonic acid (PFDoS)	79780-39-5	- -	- -	<0.56	
1H, 1H, 2H, 2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	- -	- -	18.8	
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	- -	- -	2,850	
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	- -	- -	<0.83	
Perfluorooctanesulfonamide (PFOSA)	754-91-6	20 [2, 3]	2 [2, 3]	<0.42	
N-methylperfluoro-1-octanesulfonamide (NMeFOSA)	31506-32-8	- -	- -	<0.65	
N-ethylperfluoro-1-octanesulfonamide (NEtFOSA)	4151-50-2	20 [2, 3]	2 [2, 3]	<0.48	
N-methylperfluoro-1-octanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	- -	- -	<0.82	
N-ethylperfluoro-1-octanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	20 [2, 3]	2 [2, 3]	<0.59	
2-N-methylperfluoro-1-octanesulfonamido-ethanol (NMeFOSE)	24448-09-7	- -	- -	<0.50	
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (NEtFOSE)	1691-99-2	20 [2, 3]	2 [2, 3]	<0.63	
Hexafluoropropylene oxide dimer acid (HPFO-DA; Gen X[4])	13252-13-6	3,000 [2]	600 [2]	<0.26	
4, 8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	300 [2]	60 [2]	<0.34	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	- -	- -	<0.37	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	- -	- -	<0.43	
Combined Standard[1] (PFOA and PFOS)	- -	20 [1]	2 [1]	*2,372*	-
Combined Standard[3] (EtFOSA, EtFOSAA, EtFOSE, PFOSA, PFOA, and PFOS)	- -	20 [2, 3]	2 [2, 3]	*2,372*	-
Hazard Index	- -	1 [2]	- -	119	-

Notes:
ng/L - Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled
- - = No Standard/Not Applicable
[J] = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
[1] = WI DHS proposed groundwater standards for the protection of human health (Cycle 10 - June 21, 2019)
[2] = WI DHS proposed groundwater standards for the protection of human health (Cycle 11 - November 6, 2020)
[3] = WI DHS recommends a combinded standard for EtFOSA, EtFOSAA, EtFOSE, PFOSA, PFOA, and PFOS (Cycle 11 - November 6, 2020)
[4] = Gen X is a trade name for Hexafluoropropylene oxide dimer acid (HPFO-DA)

Bold	= Exceeds Proposed NR140.10 Enforcement Standard
Italic	= Exceeds Proposed NR140.10 Preventive Action Limit

Table 4b
Groundwater Analytical Results (PFAS) - PZ1
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

			Collected By-->	*REI Engineering Inc.*	
			Date-->	*10/22/2024*	
			Associated QA/QC Sample-->	*Field Blank*	
PFAS's (ng/L)	CAS Number	Proposed NR140 Enforcement Standard (ES)	Proposed NR140 Preventive Action Limit (PAL)		
Perfluoro-n-butanoic acid (PFBA)	375-22-4	10,000 [2]	2,000 [2]	16.0	
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	- -	- -	17.2	
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	150,000 [2]	30,000 [2]	14.8	
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	- -	- -	4.0	
Perfluoro-n-octanoic acid (PFOA)	335-67-1	20 [1, 3]	2 [1, 3]	*22.5*	
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	30 [2]	3 [2]	<0.22	
Perfluoro-n-decanoic acid (PFDA)	335-76-2	300 [2]	60 [2]	<0.26	
Perfluoro-n-undecanoic acid (PFUnA)	2058-94-8	3,000 [2]	600 [2]	<0.67	
Perfluoro-n-dodecanoic acid (PFDoA)	307-55-1	500 [2]	100 [2]	<0.45	
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	- -	- -	<0.30	
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	10,000 [2]	2,000 [2]	<0.38	
Perfluoro-1-butanesulfonic acid (PFBS)	375-73-5	450,000 [2]	90,000 [2]	5,360	
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	- -	- -	1.8 [J]	
Perfluoro-1-hexanesulfonic acid (PFHxS)	355-46-4	40 [2]	4 [2]	*34.8*	
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	- -	- -	40.7	
Perfluoro-1-octanesulfonic acid (PFOS)	1763-23-1	20 [1, 3]	2 [1, 3]	*2,830*	
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	- -	- -	<0.50	
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	- -	- -	<0.60	
Perfluoro-1-dodecanesulfonic acid (PFDoS)	79780-39-5	- -	- -	<0.56	
1H, 1H, 2H, 2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	- -	- -	1.8 [J]	
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	- -	- -	85.2	
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	- -	- -	<0.83	
Perfluorooctanesulfonamide (PFOSA)	754-91-6	20 [2, 3]	2 [2, 3]	<0.42	
N-methylperfluoro-1-octanesulfonamide (NMeFOSA)	31506-32-8	- -	- -	<0.66	
N-ethylperfluoro-1-octanesulfonamide (NEtFOSA)	4151-50-2	20 [2, 3]	2 [2, 3]	<0.48	
N-methylperfluoro-1-octanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	- -	- -	<0.82	
N-ethylperfluoro-1-octanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	20 [2, 3]	2 [2, 3]	<0.60	
2-N-methylperfluoro-1-octanesulfonamido-ethanol (NMeFOSE)	24448-09-7	- -	- -	<0.51	
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (NEtFOSE)	1691-99-2	20 [2, 3]	2 [2, 3]	<0.63	
Hexafluoropropylene oxide dimer acid (HPFO-DA; Gen X[4])	13252-13-6	3,000 [2]	600 [2]	<0.26	
4, 8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	300 [2]	60 [2]	<0.34	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	- -	- -	<0.37	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	- -	- -	<0.43	
Combined Standard[1] (PFOA and PFOS)	- -	20 [1]	2 [1]	*2,853*	-
Combined Standard[3] (EtFOSA, EtFOSAA, EtFOSE, PFOSA, PFOA, and PFOS)	- -	20 [2, 3]	2 [2, 3]	*2,853*	-
Hazard Index	- -	1 [2]	- -	144	-

Notes:
ng/L - Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled
- - = No Standard/Not Applicable
[J] = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
[1] = WI DHS proposed groundwater standards for the protection of human health (Cycle 10 - June 21, 2019)
[2] = WI DHS proposed groundwater standards for the protection of human health (Cycle 11 - November 6, 2020)
[3] = WI DHS recommends a combinded standard for EtFOSA, EtFOSAA, EtFOSE, PFOSA, PFOA, and PFOS (Cycle 11 - November 6, 2020)
[4] = Gen X is a trade name for Hexafluoropropylene oxide dimer acid (HPFO-DA)

Bold	= Exceeds Proposed NR140.10 Enforcement Standard
Italic	= Exceeds Proposed NR140.10 Preventive Action Limit

Table 4c
Groundwater Analytical Results (PFAS) - QA/QC - Field Blank
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

			Collected By-->	*REI Engineering Inc.*	
			Date-->	*10/22/2024*	
			Associated Sample-->	*PZ1*	
PFAS's (ng/L)	CAS Number	Proposed NR140 Enforcement Standard (ES)	Proposed NR140 Preventive Action Limit (PAL)		
Perfluoro-n-butanoic acid (PFBA)	375-22-4	10,000 [2]	2,000 [2]	<0.30	
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	- -	- -	<0.20	
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	150,000 [2]	30,000 [2]	<0.40	
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	- -	- -	<0.25	
Perfluoro-n-octanoic acid (PFOA)	335-67-1	20 [1, 3]	2 [1, 3]	<0.29	
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	30 [2]	3 [2]	<0.22	
Perfluoro-n-decanoic acid (PFDA)	335-76-2	300 [2]	60 [2]	<0.27	
Perfluoro-n-undecanoic acid (PFUnA)	2058-94-8	3,000 [2]	600 [2]	<0.68	
Perfluoro-n-dodecanoic acid (PFDoA)	307-55-1	500 [2]	100 [2]	<0.46	
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	- -	- -	<0.30	
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	10,000 [2]	2,000 [2]	<0.39	
Perfluoro-1-butanesulfonic acid (PFBS)	375-73-5	450,000 [2]	90,000 [2]	<0.22	
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	- -	- -	<0.27	
Perfluoro-1-hexanesulfonic acid (PFHxS)	355-46-4	40 [2]	4 [2]	<0.25	
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	- -	- -	<0.67	
Perfluoro-1-octanesulfonic acid (PFOS)	1763-23-1	20 [1, 3]	2 [1, 3]	1.2 [J]	
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	- -	- -	<0.51	
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	- -	- -	<0.61	
Perfluoro-1-dodecanesulfonic acid (PFDoS)	79780-39-5	- -	- -	<0.57	
1H, 1H, 2H, 2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	- -	- -	<0.39	
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	- -	- -	<0.61	
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	- -	- -	<0.84	
Perfluorooctanesulfonamide (PFOSA)	754-91-6	20 [2, 3]	2 [2, 3]	<0.43	
N-methylperfluoro-1-octanesulfonamide (NMeFOSA)	31506-32-8	- -	- -	<0.67	
N-ethylperfluoro-1-octanesulfonamide (NEtFOSA)	4151-50-2	20 [2, 3]	2 [2, 3]	<0.49	
N-methylperfluoro-1-octanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	- -	- -	<0.83	
N-ethylperfluoro-1-octanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	20 [2, 3]	2 [2, 3]	<0.61	
2-N-methylperfluoro-1-octanesulfonamido-ethanol (NMeFOSE)	24448-09-7	- -	- -	<0.51	
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (NEtFOSE)	1691-99-2	20 [2, 3]	2 [2, 3]	<0.64	
Hexafluoropropylene oxide dimer acid (HPFO-DA; Gen X[4])	13252-13-6	3,000 [2]	600 [2]	<0.27	
4, 8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	300 [2]	60 [2]	<0.34	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	- -	- -	<0.38	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	- -	- -	<0.43	
Combined Standard[1] (PFOA and PFOS)	- -	20 [1]	2 [1]	1.2	-
Combined Standard[3] (EtFOSA, EtFOSAA, EtFOSE, PFOSA, PFOA, and PFOS)	- -	20 [2, 3]	2 [2, 3]	1.2	-
Hazard Index	- -	1 [2]	- -	0.1	-

Notes:
ng/L - Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled
- - = No Standard/Not Applicable
[J] = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
[1] = WI DHS proposed groundwater standards for the protection of human health (Cycle 10 - June 21, 2019)
[2] = WI DHS proposed groundwater standards for the protection of human health (Cycle 11 - November 6, 2020)
[3] = WI DHS recommends a combinded standard for EtFOSA, EtFOSAA, EtFOSE, PFOSA, PFOA, and PFOS (Cycle 11 - November 6, 2020)
[4] = Gen X is a trade name for Hexafluoropropylene oxide dimer acid (HPFO-DA)

Bold	= Exceeds Proposed NR140.10 Enforcement Standard
Italic	= Exceeds Proposed NR140.10 Preventive Action Limit

Table 4d
Groundwater Analytical Results (PFAS) - QA/QC - Duplicate
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

			Collected By-->	*REI Engineering Inc.*	
			Date-->	*10/22/2024*	
			Associated Sample-->	*MW6*	
PFAS's (ng/L)	CAS Number	Proposed NR140 Enforcement Standard (ES)	Proposed NR140 Preventive Action Limit (PAL)		
Perfluoro-n-butanoic acid (PFBA)	375-22-4	10,000 [2]	2,000 [2]	50.4	
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	- -	- -	117	
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	150,000 [2]	30,000 [2]	118	
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	- -	- -	23.2	
Perfluoro-n-octanoic acid (PFOA)	335-67-1	20 [1, 3]	2 [1, 3]	*58.6*	
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	30 [2]	3 [2]	<0.22	
Perfluoro-n-decanoic acid (PFDA)	335-76-2	300 [2]	60 [2]	<0.26	
Perfluoro-n-undecanoic acid (PFUnA)	2058-94-8	3,000 [2]	600 [2]	<0.67	
Perfluoro-n-dodecanoic acid (PFDoA)	307-55-1	500 [2]	100 [2]	<0.45	
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	- -	- -	<0.30	
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	10,000 [2]	2,000 [2]	<0.38	
Perfluoro-1-butanesulfonic acid (PFBS)	375-73-5	450,000 [2]	90,000 [2]	123	
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	- -	- -	0.84 [J]	
Perfluoro-1-hexanesulfonic acid (PFHxS)	355-46-4	40 [2]	4 [2]	*22.7*	
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	- -	- -	59.0	
Perfluoro-1-octanesulfonic acid (PFOS)	1763-23-1	20 [1, 3]	2 [1, 3]	*3,010*	
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	- -	- -	2.5	
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	- -	- -	<0.60	
Perfluoro-1-dodecanesulfonic acid (PFDoS)	79780-39-5	- -	- -	<0.56	
1H, 1H, 2H, 2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	- -	- -	18.7	
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	- -	- -	2,110	
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	- -	- -	<0.83	
Perfluorooctanesulfonamide (PFOSA)	754-91-6	20 [2, 3]	2 [2, 3]	<0.42	
N-methylperfluoro-1-octanesulfonamide (NMeFOSA)	31506-32-8	- -	- -	<0.66	
N-ethylperfluoro-1-octanesulfonamide (NEtFOSA)	4151-50-2	20 [2, 3]	2 [2, 3]	<0.48	
N-methylperfluoro-1-octanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	- -	- -	<0.82	
N-ethylperfluoro-1-octanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	20 [2, 3]	2 [2, 3]	<0.60	
2-N-methylperfluoro-1-octanesulfonamido-ethanol (NMeFOSE)	24448-09-7	- -	- -	<0.51	
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (NEtFOSE)	1691-99-2	20 [2, 3]	2 [2, 3]	<0.63	
Hexafluoropropylene oxide dimer acid (HPFO-DA; Gen X[4])	13252-13-6	3,000 [2]	600 [2]	<0.27	
4, 8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	300 [2]	60 [2]	<0.34	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	- -	- -	<0.37	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	- -	- -	<0.43	
Combined Standard[1] (PFOA and PFOS)	- -	20 [1]	2 [1]	3,069	-
Combined Standard[3] (EtFOSA, EtFOSAA, EtFOSE, PFOSA, PFOA, and PFOS)	- -	20 [2, 3]	2 [2, 3]	3,069	-
Hazard Index	- -	1 [2]	- -	154	-

Notes:
ng/L - Parts Per Trillion (ppt)
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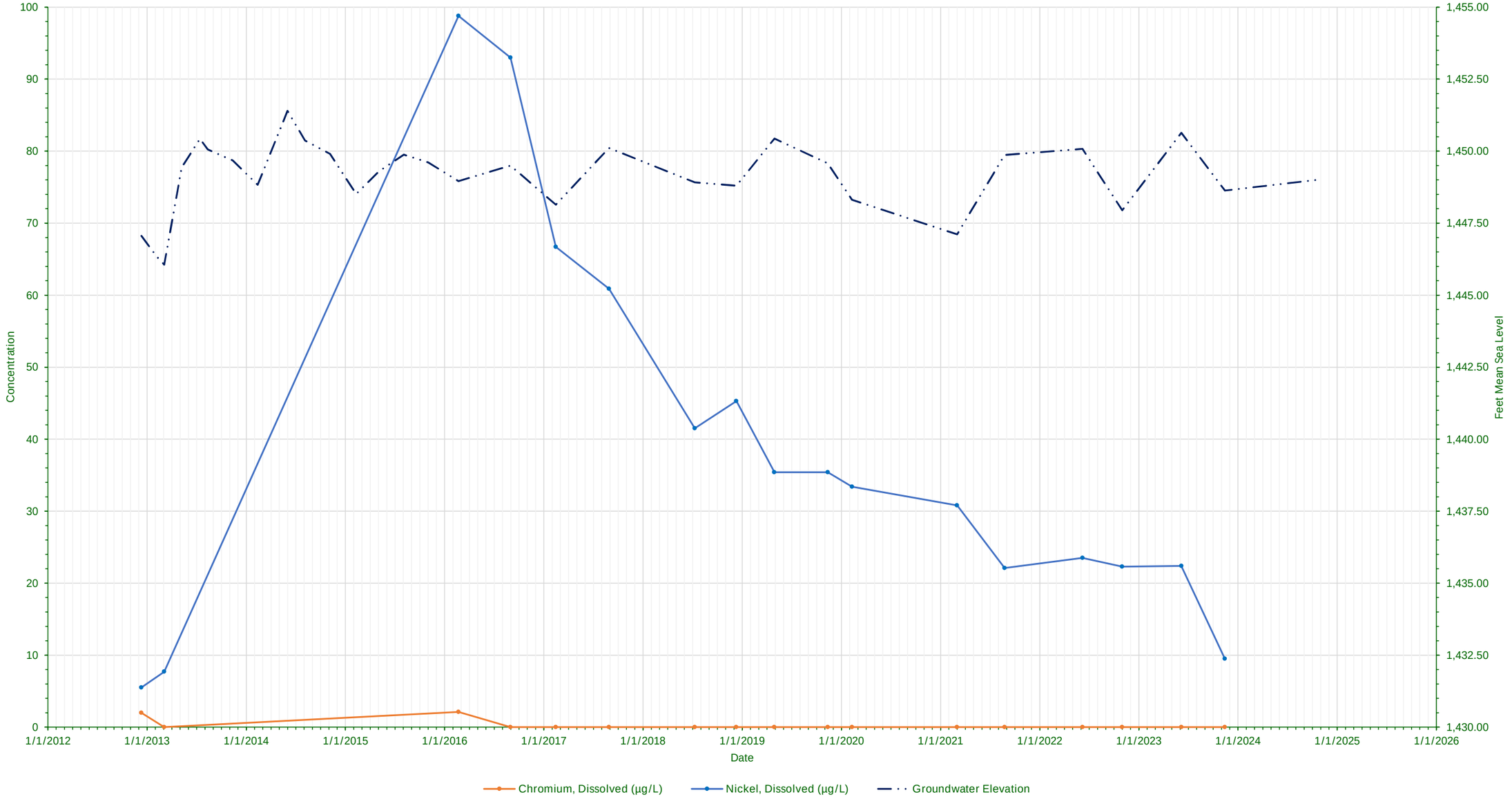
[J] = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
[1] = WI DHS proposed groundwater standards for the protection of human health (Cycle 10 - June 21, 2019)
[2] = WI DHS proposed groundwater standards for the protection of human health (Cycle 11 - November 6, 2020)
[3] = WI DHS recommends a combinded standard for EtFOSA, EtFOSAA, EtFOSE, PFOSA, PFOA, and PFOS (Cycle 11 - November 6, 2020)
[4] = Gen X is a trade name for Hexafluoropropylene oxide dimer acid (HPFO-DA)

Bold	= Exceeds Proposed NR140.10 Enforcement Standard
Italic	= Exceeds Proposed NR140.10 Preventive Action Limit

Graph 1a
Groundwater Analytical Results - MW1
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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Graph 1b
Groundwater Analytical Results - MW2
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

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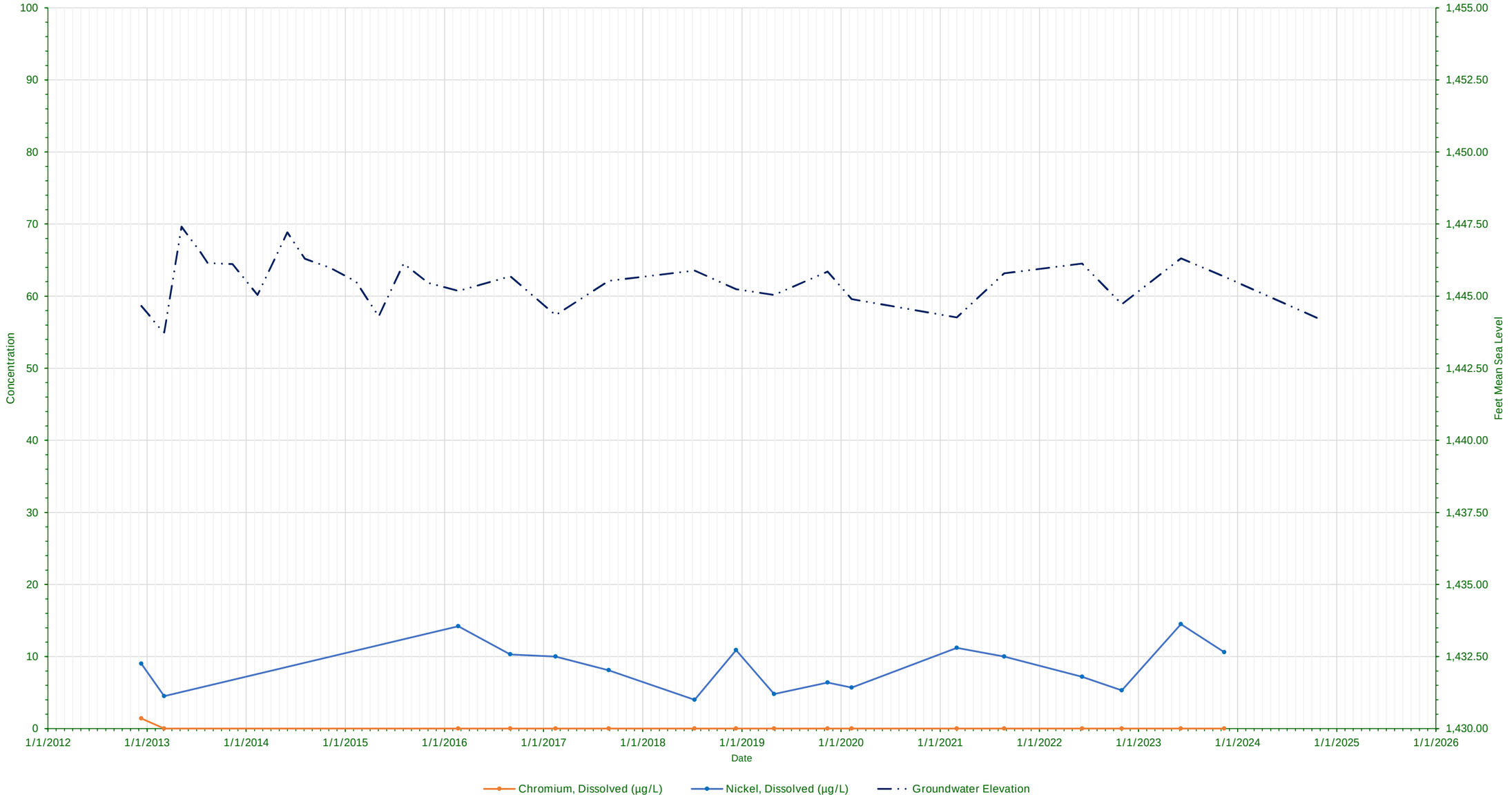

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Graph 1c
Groundwater Analytical Results - MW3
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

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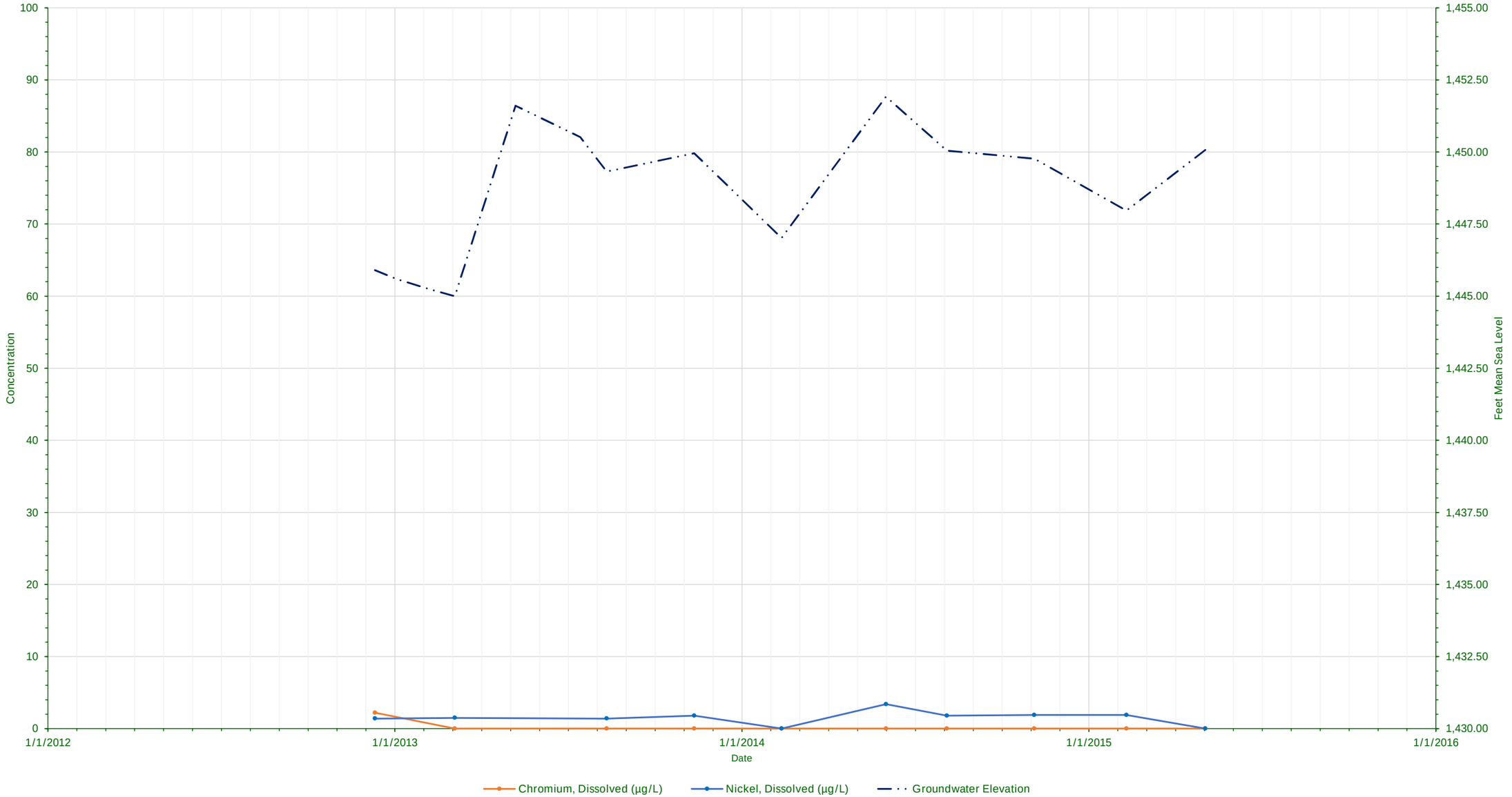

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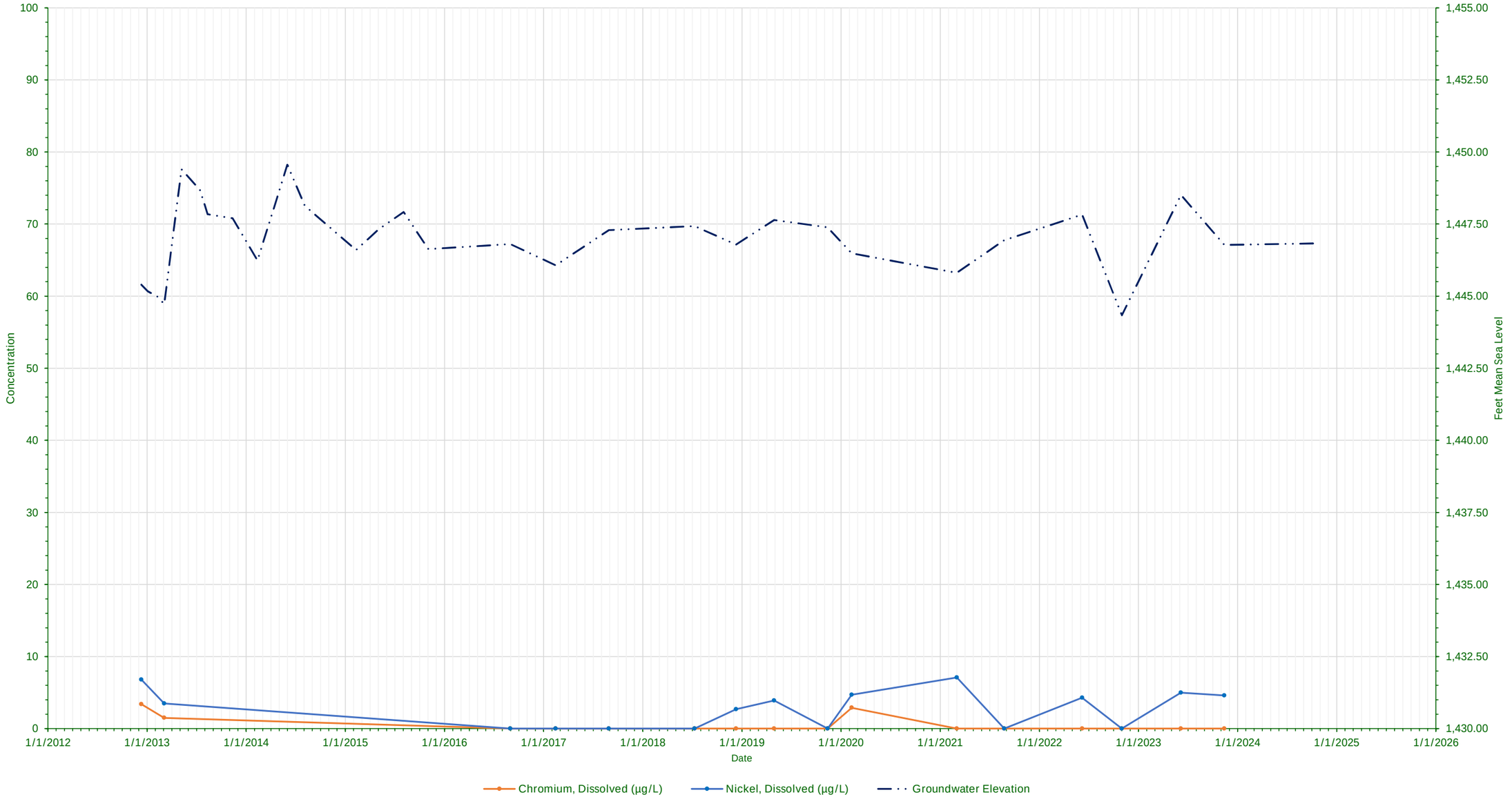
Graph 1d
Groundwater Analytical Results - MW4
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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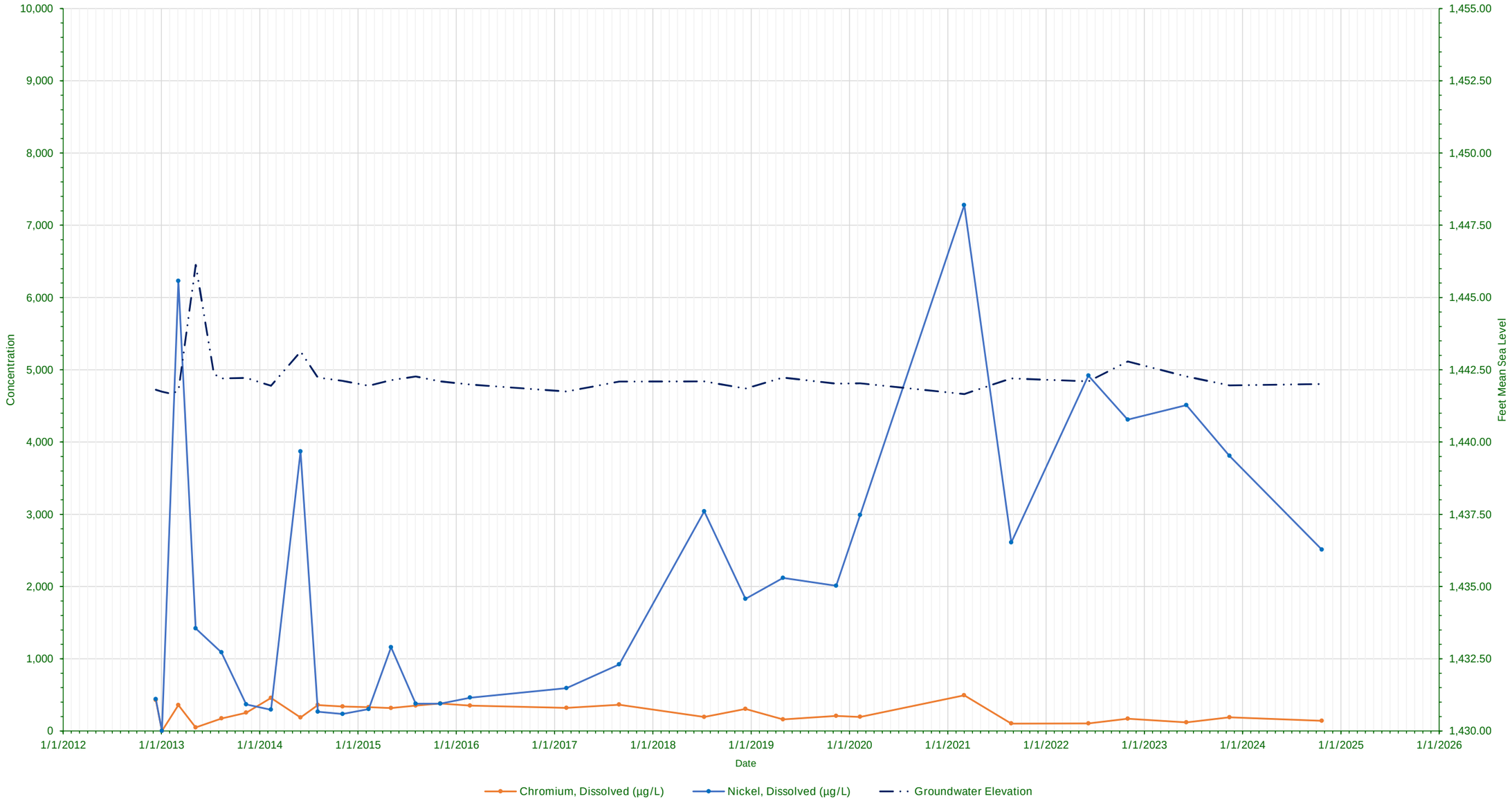
Graph 1e
Groundwater Analytical Results - MW5
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634



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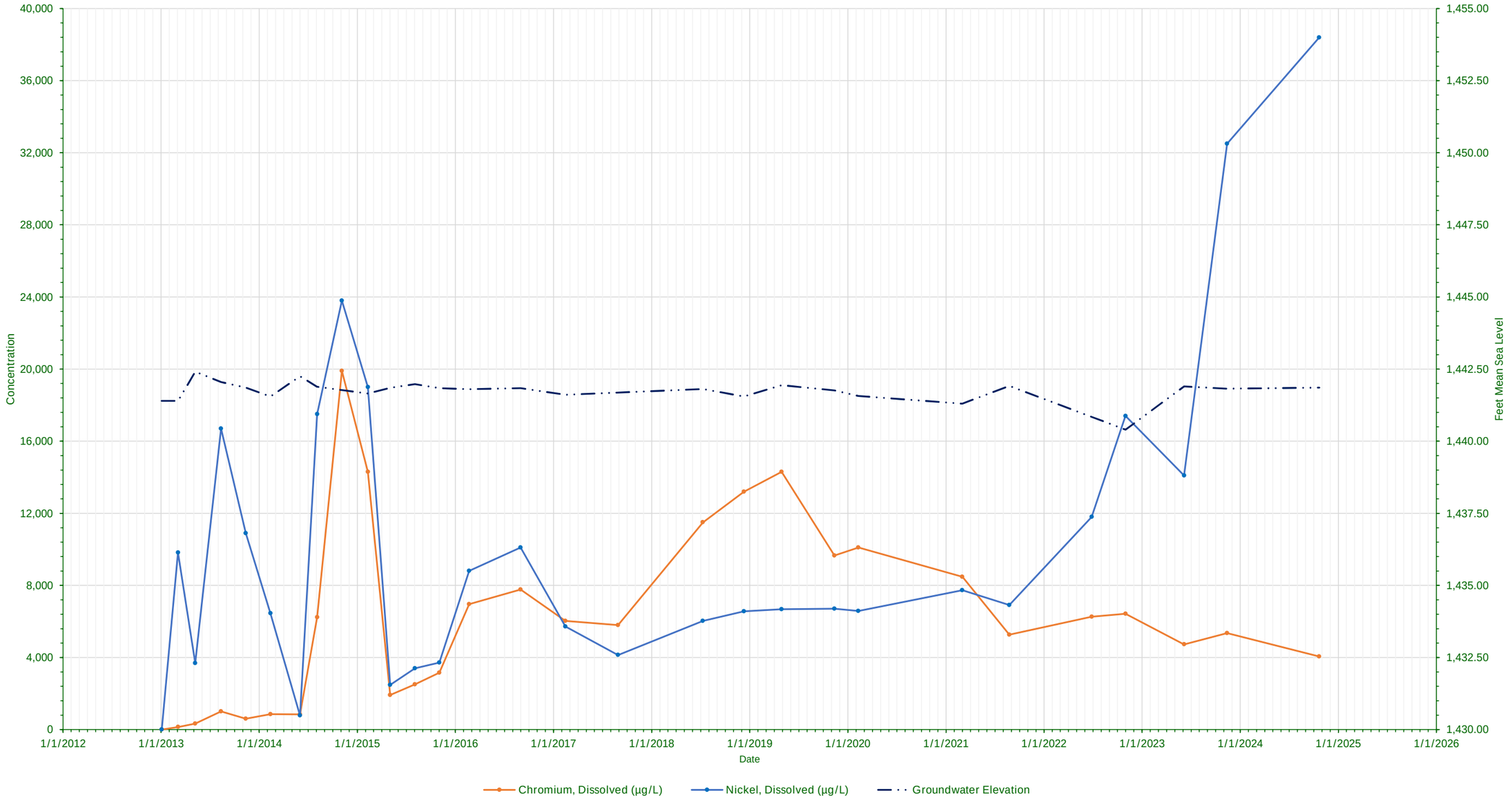
Graph 1f
Groundwater Analytical Results - MW6
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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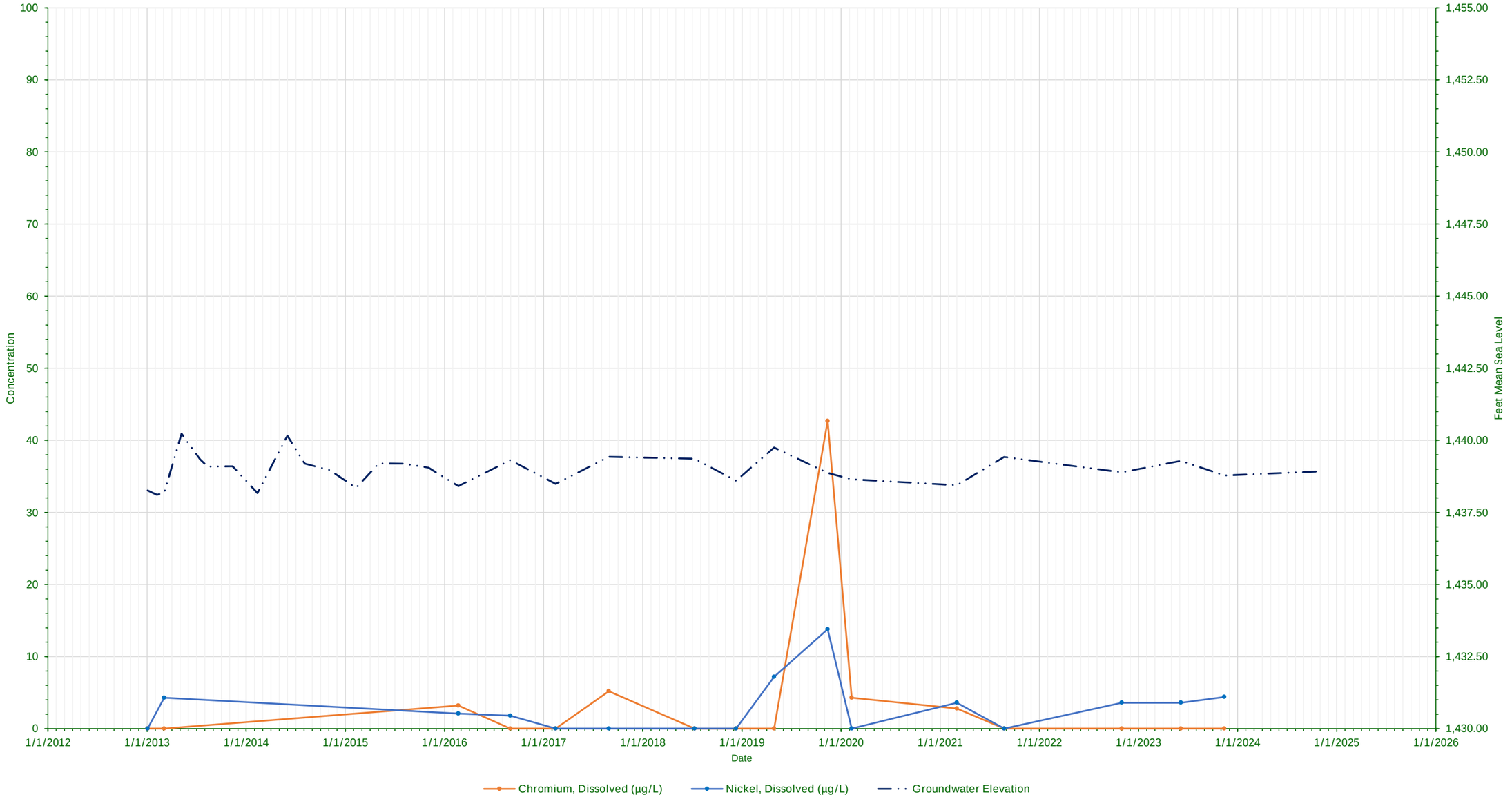
Graph 1g
Groundwater Analytical Results - MW7
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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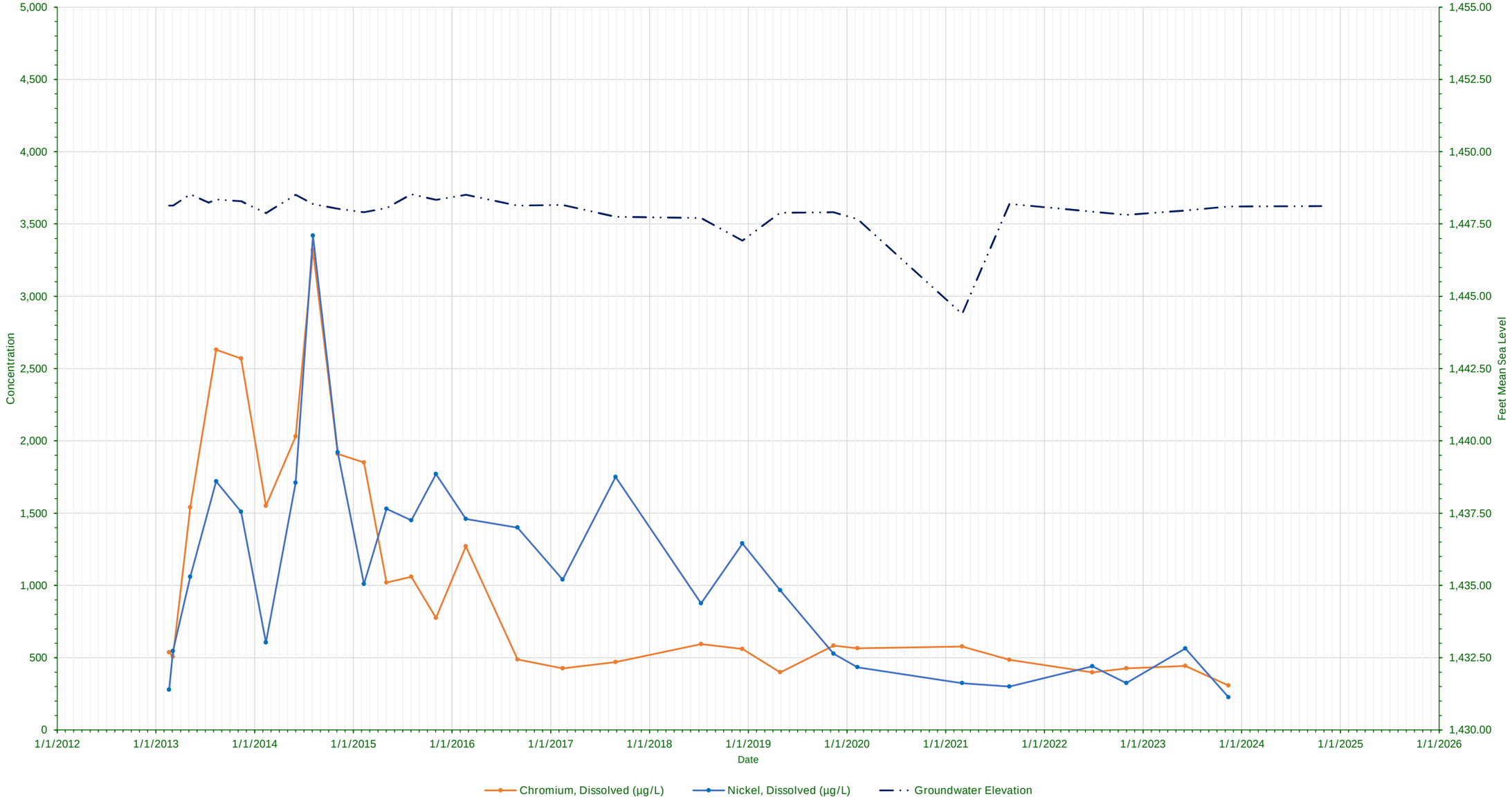
Graph 1h
Groundwater Analytical Results - MW8
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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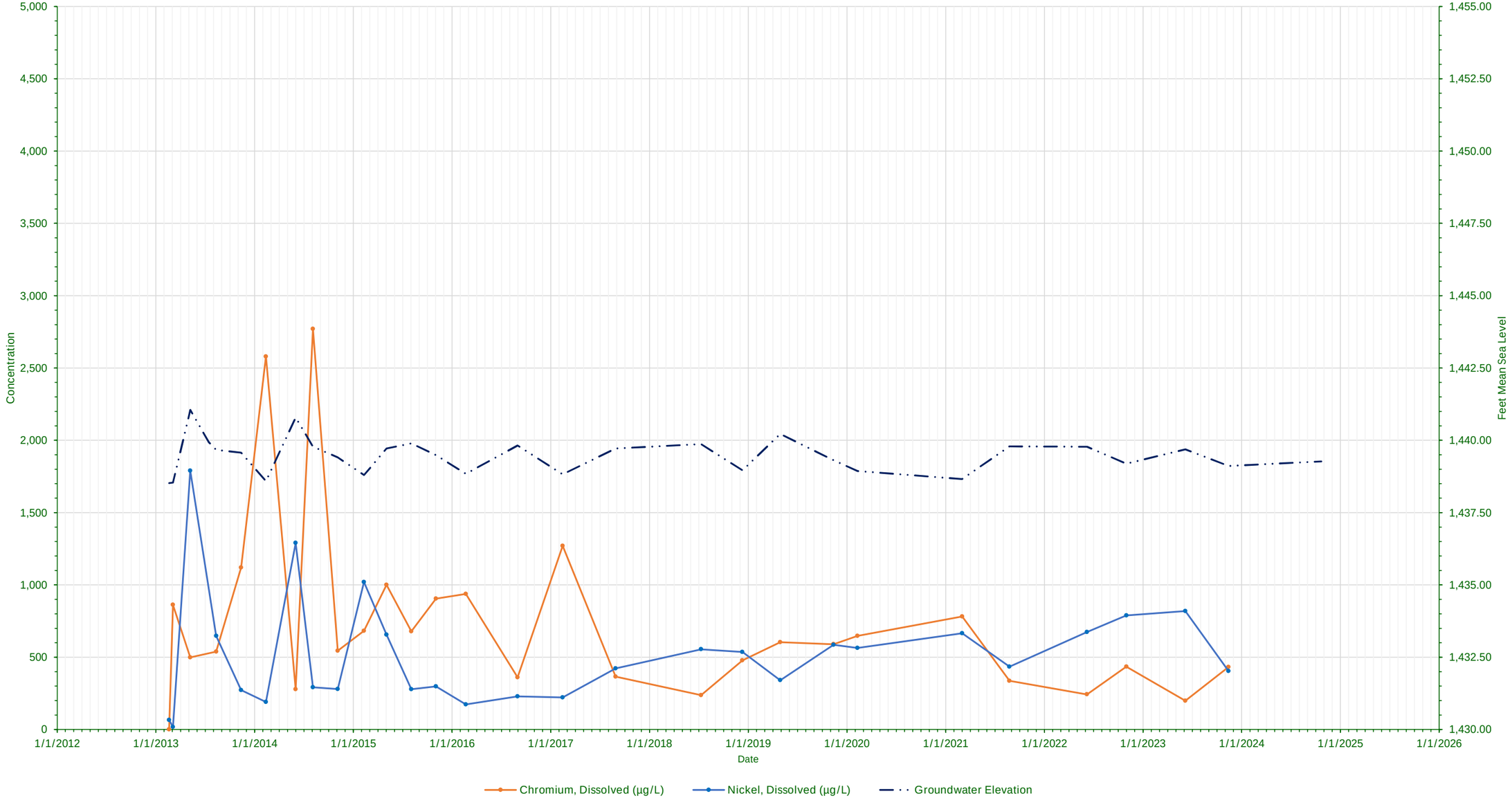
Graph 1i
Groundwater Analytical Results - MW9
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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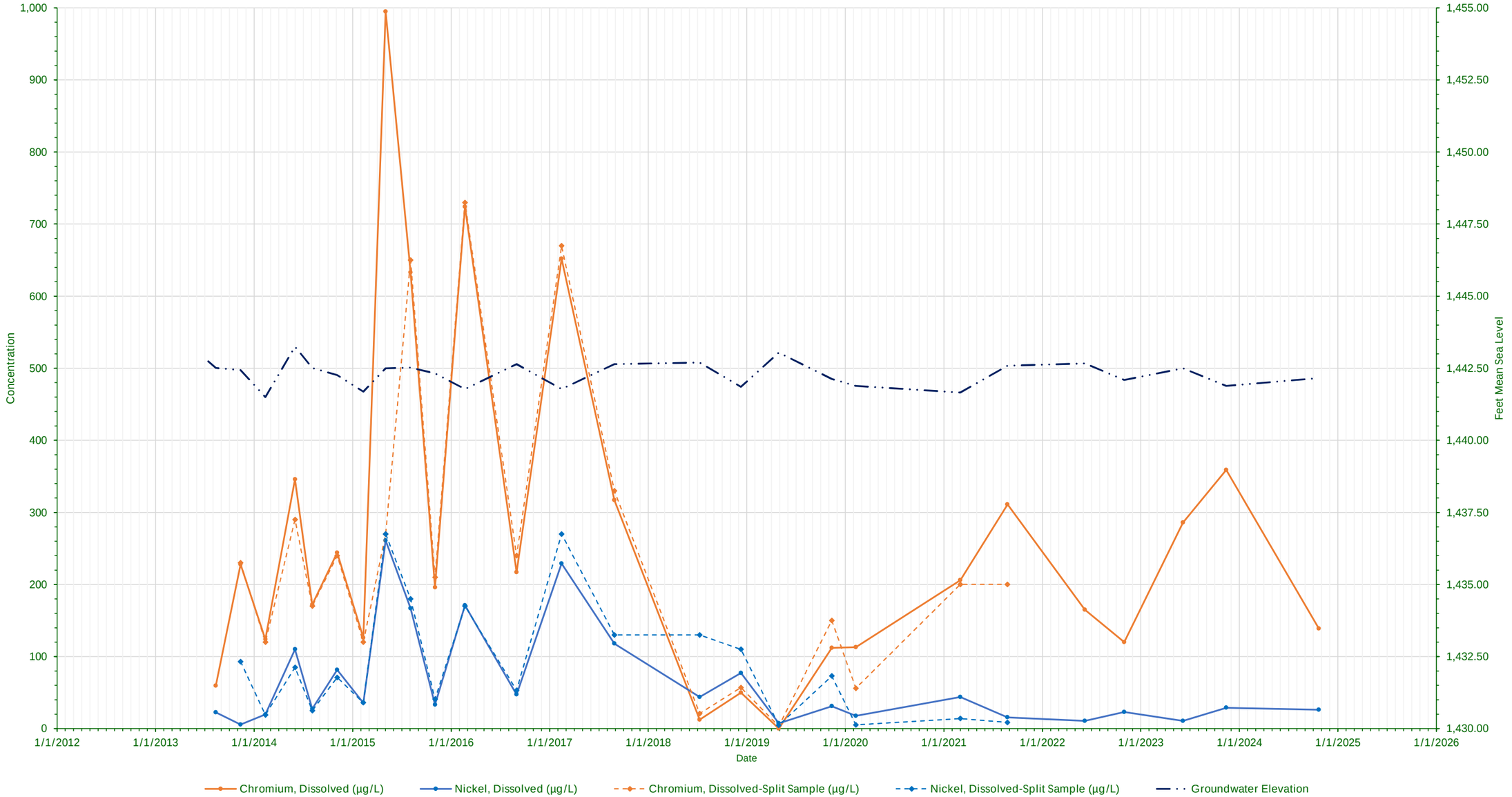
Graph 1j
Groundwater Analytical Results - MW10
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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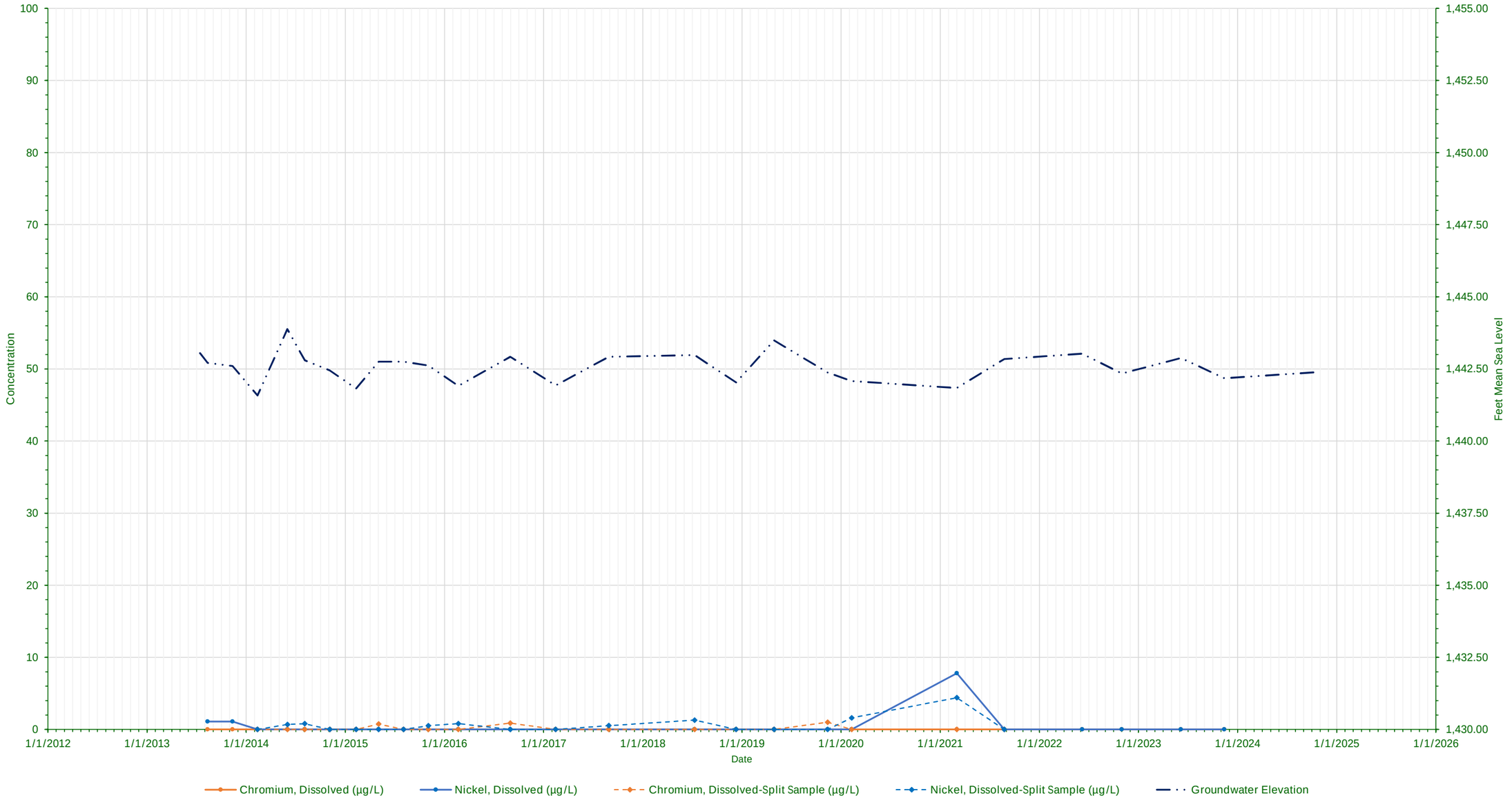
Graph 1k
Groundwater Analytical Results - MW10
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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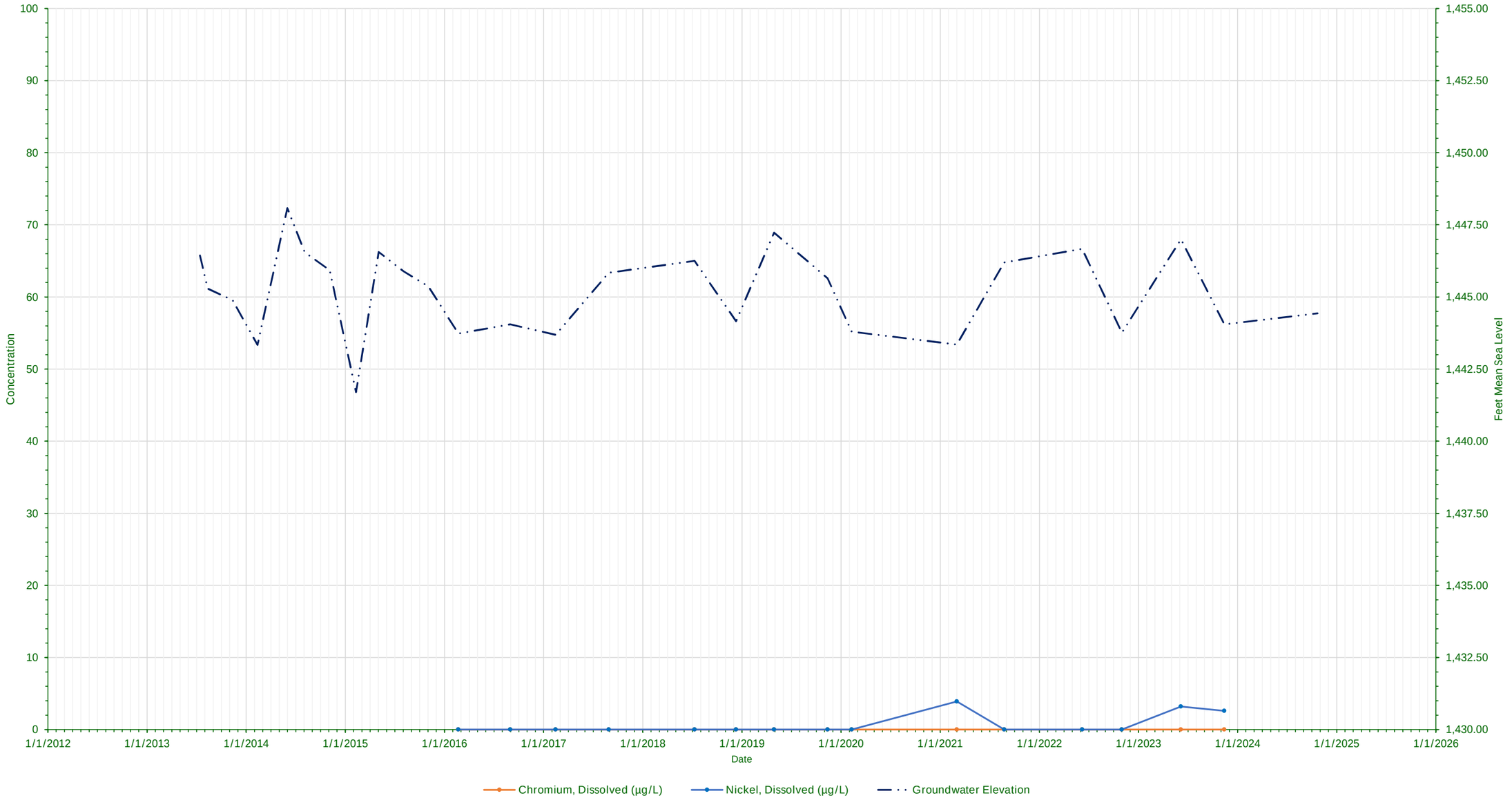
Graph 1l
Groundwater Analytical Results - MW12
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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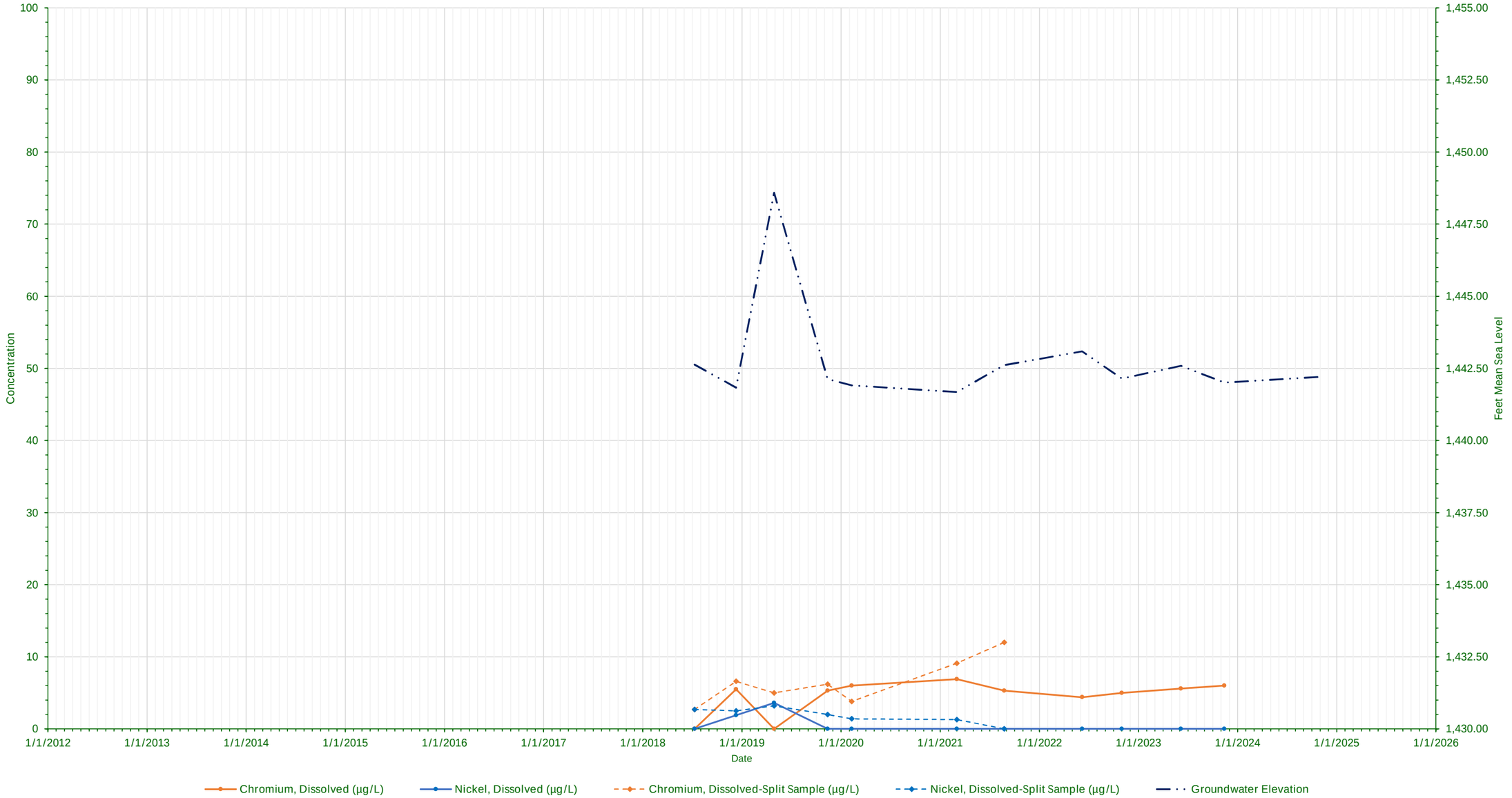
Graph 1m
Groundwater Analytical Results - MW13
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

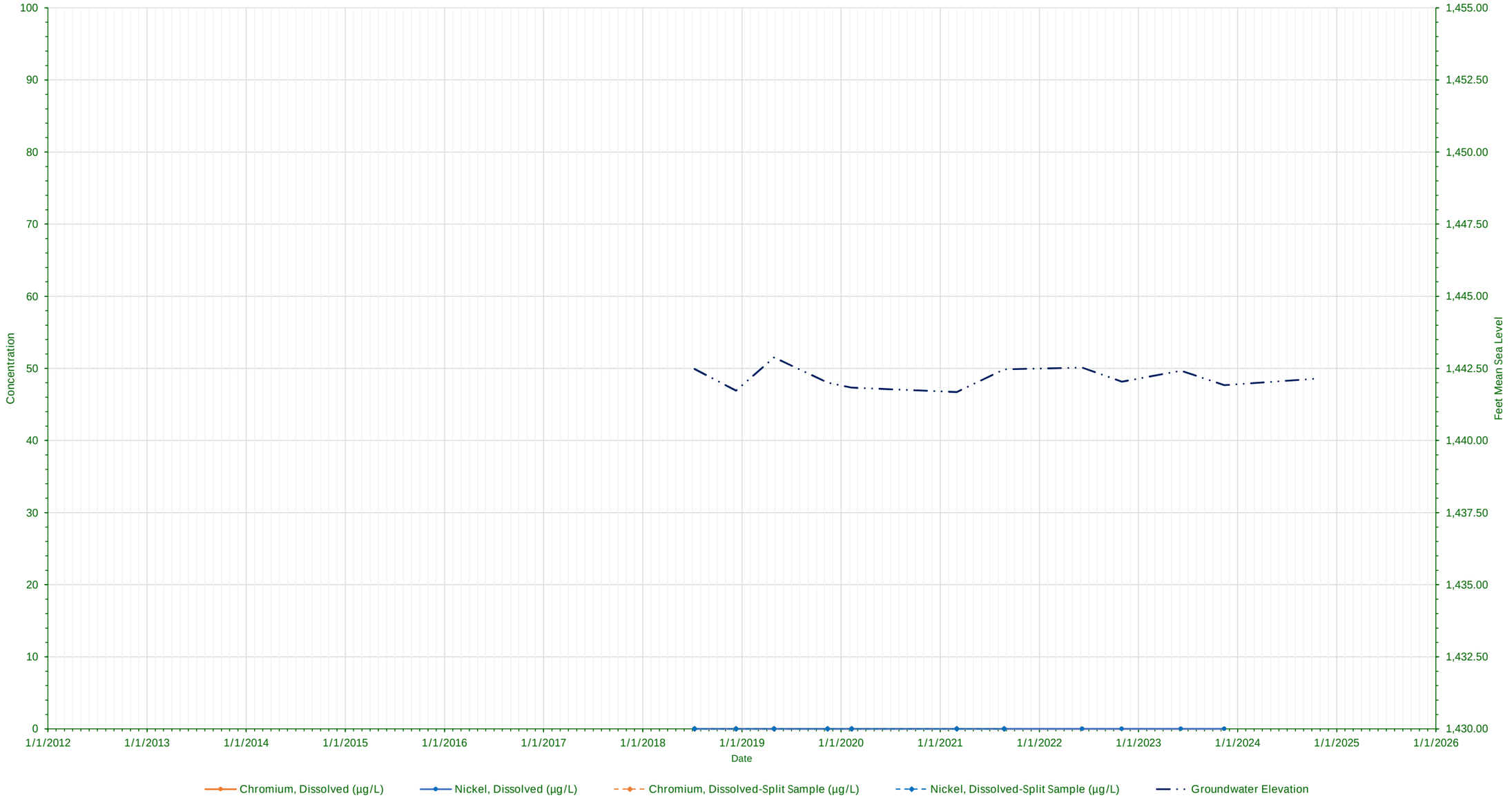
REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



Responsive. Efficient. Innovative.

Printed: 1/30/2025

Graph 1n
Groundwater Analytical Results - MW14
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634



Printed: 1/30/2025

Graph 1o
Groundwater Analytical Results - MW15
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
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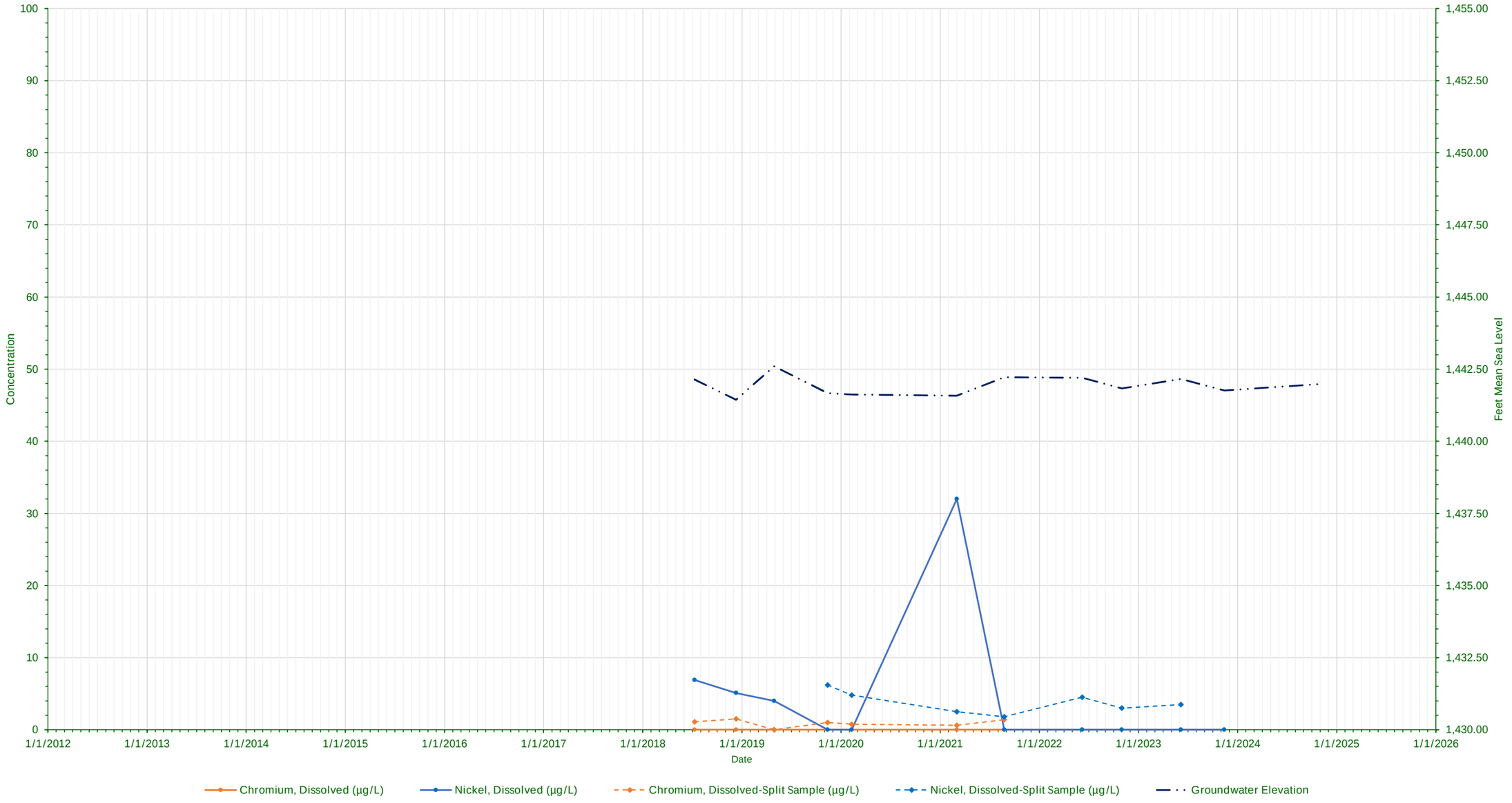
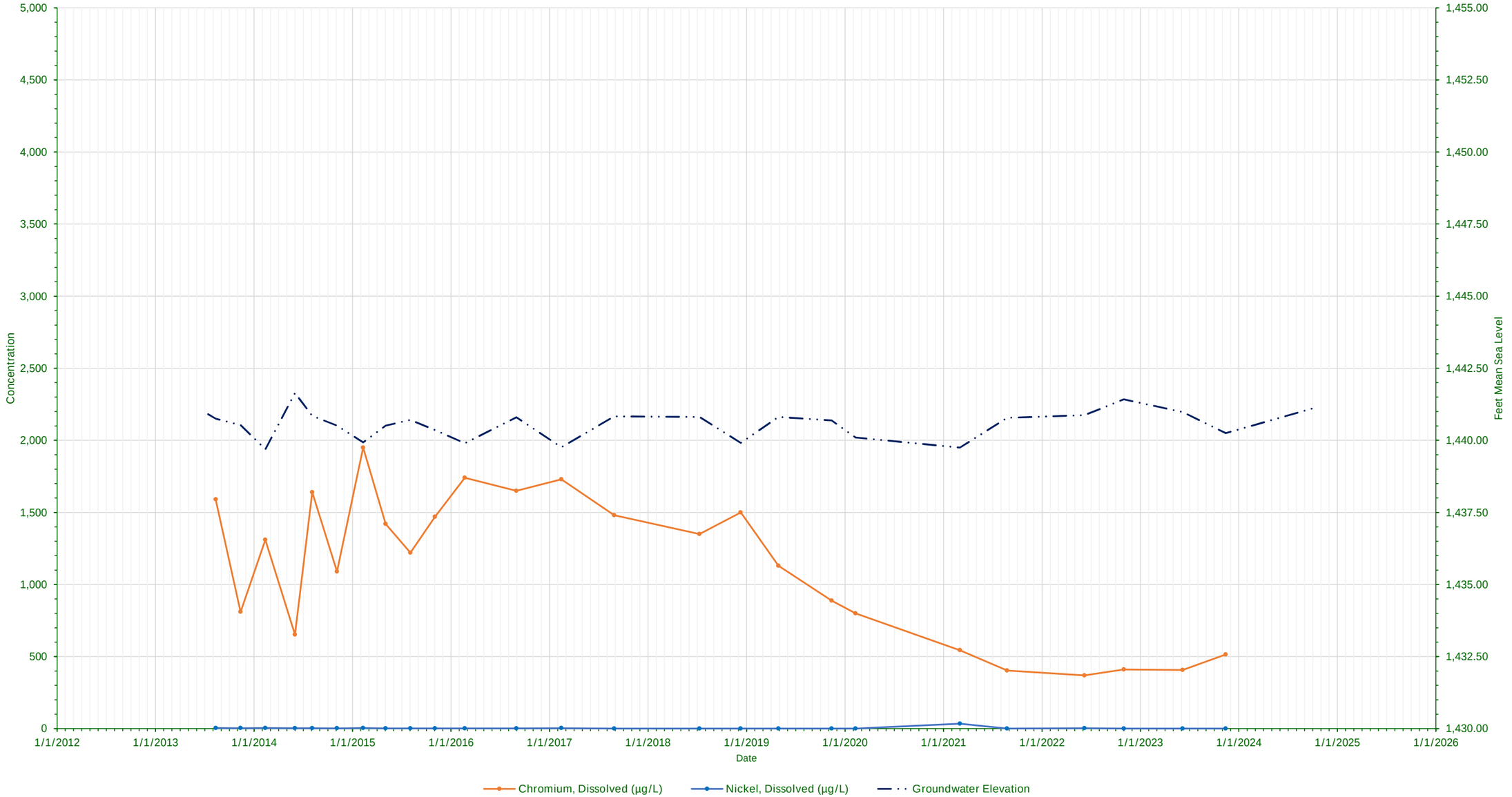


Printed: 1/30/2025

Graph 1p
Groundwater Analytical Results - PZ1
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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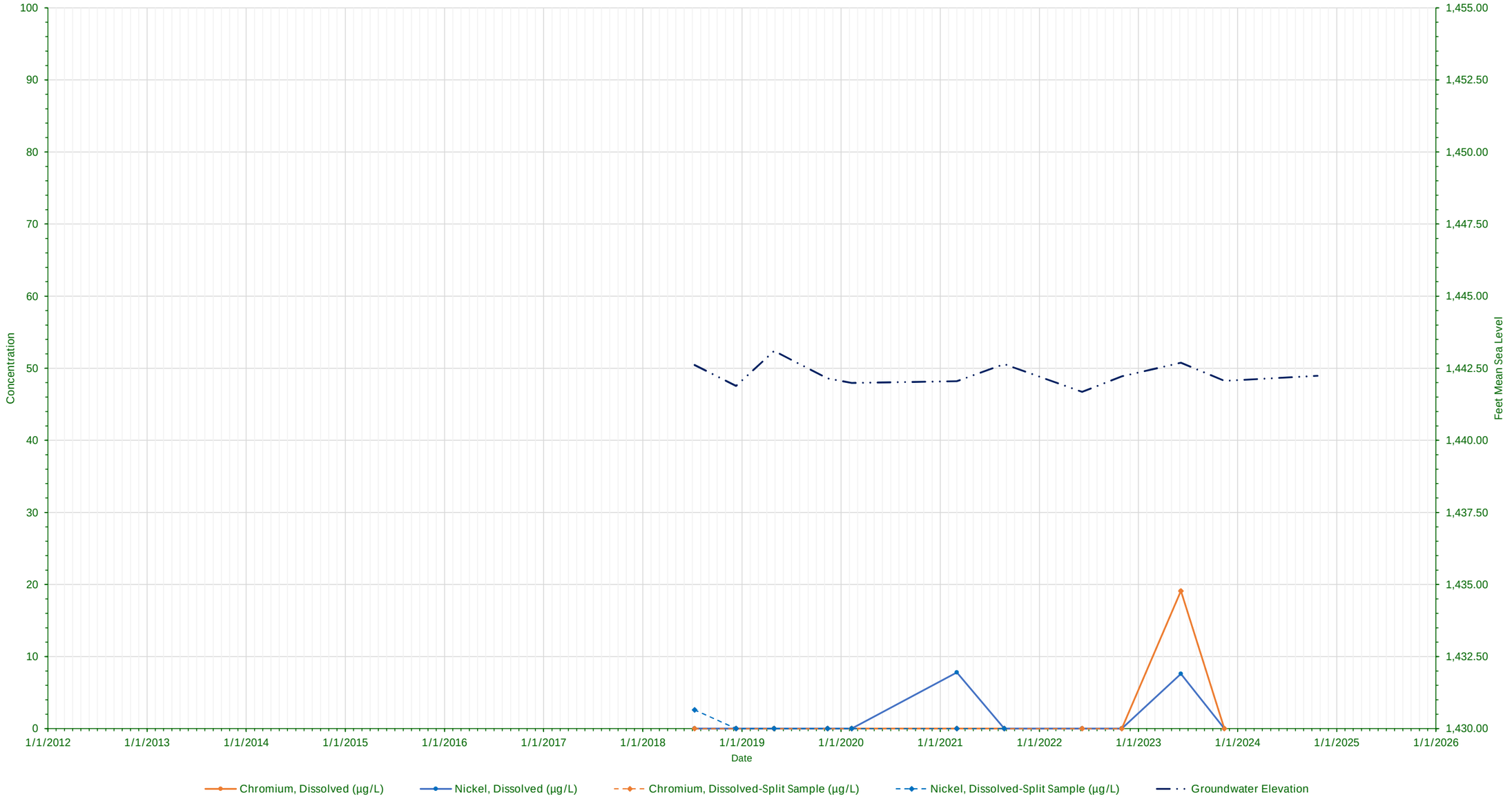
Graph 1q
Groundwater Analytical Results - PZ2
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634

CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



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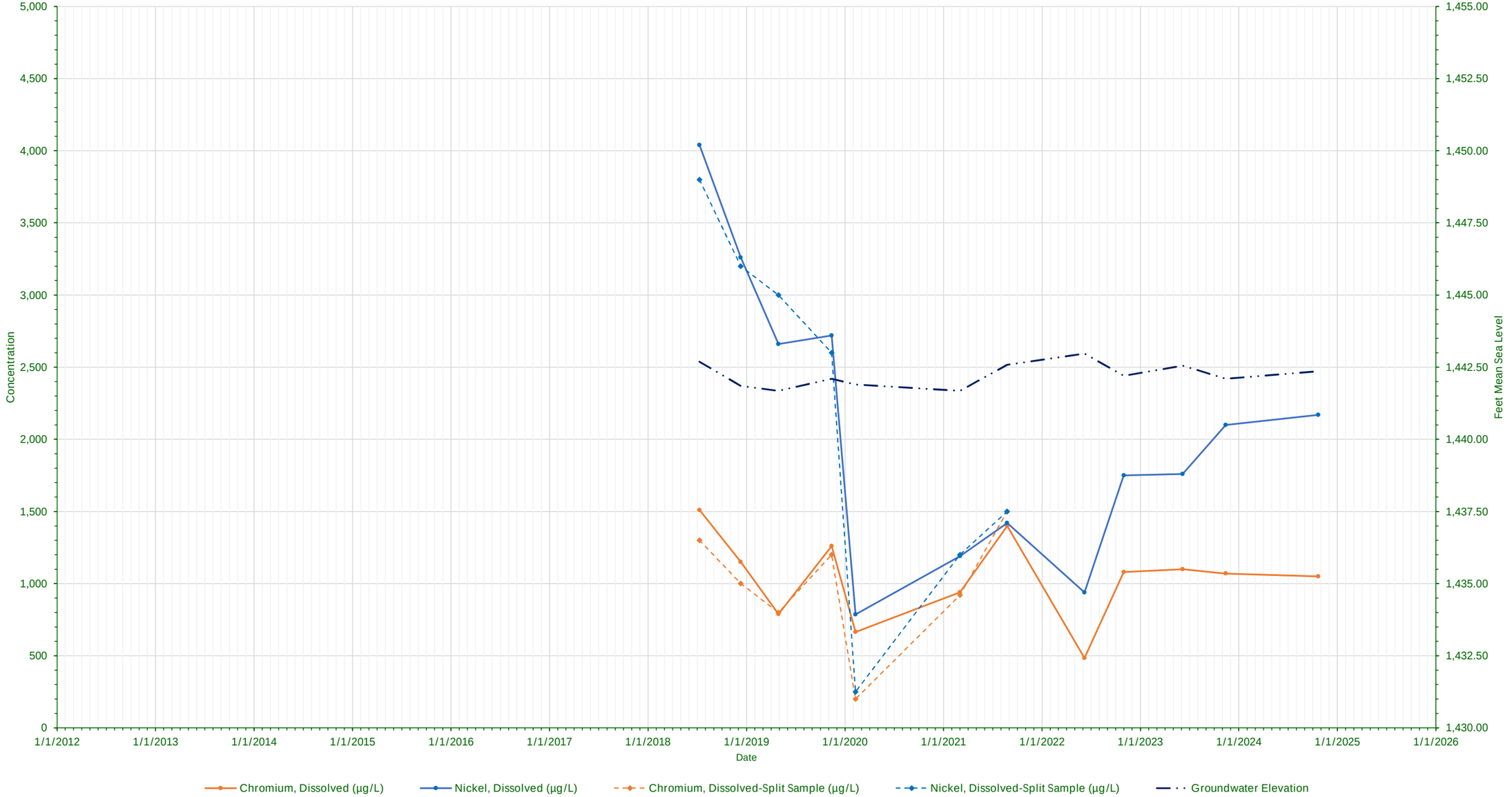
Printed: 1/30/2025

Graph 1r
Groundwater Analytical Results - PZ3
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634



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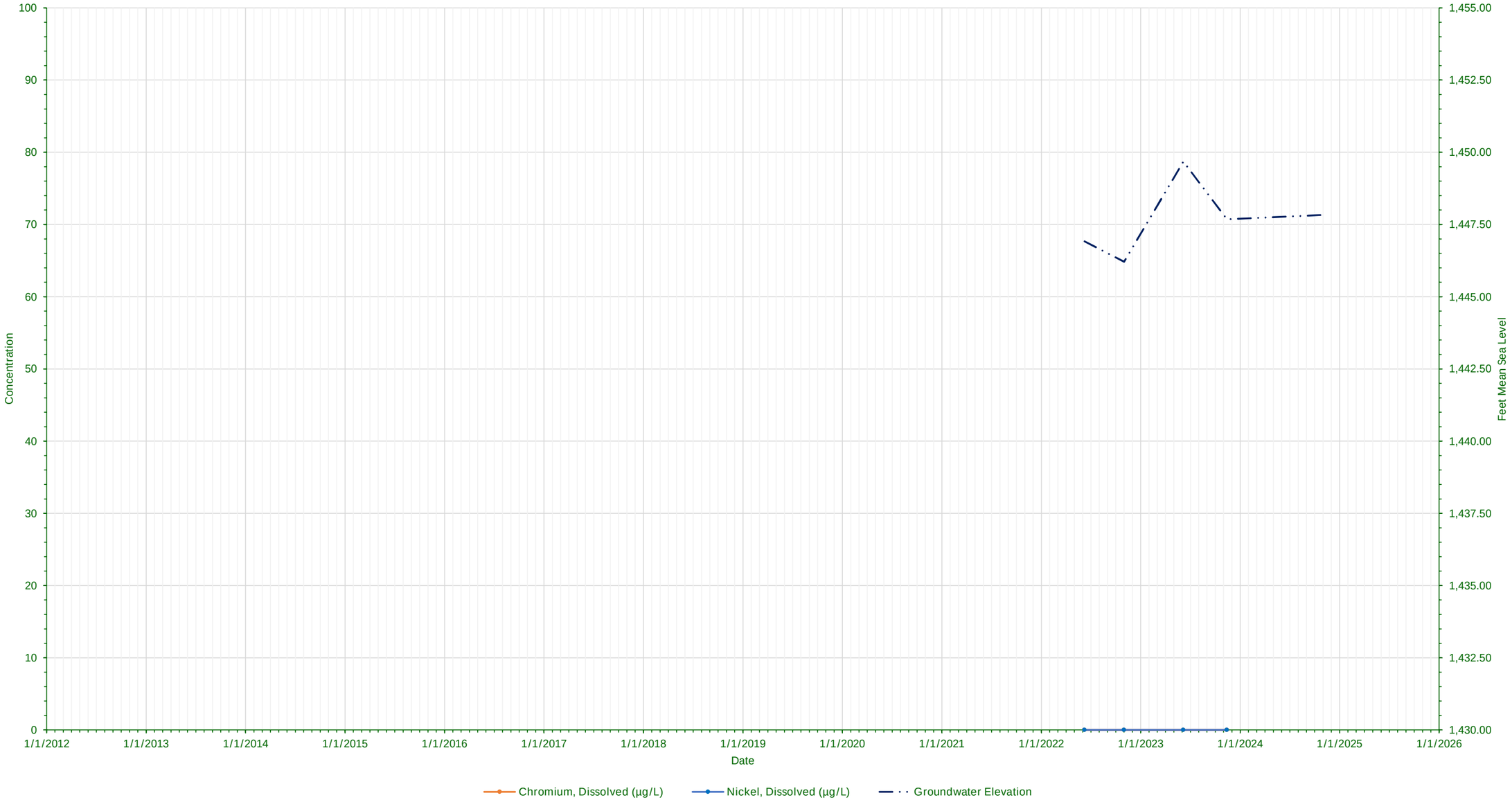
Printed: 1/30/2025

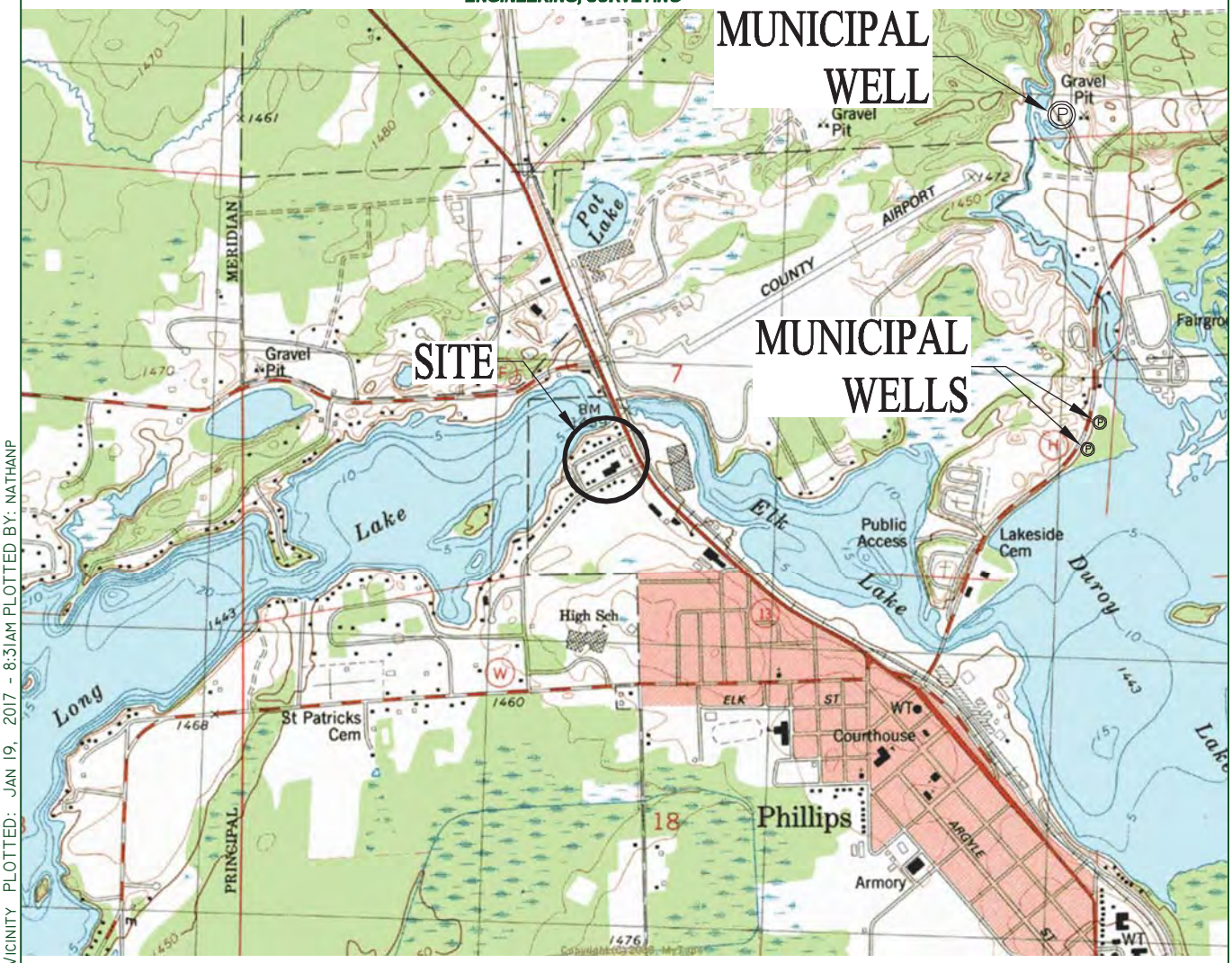
Graph 1s
Groundwater Analytical Results - PZ4
Phillips Platting Corporation
984 N Lake Avenue, Phillips, WI
BRRTS#: 02-51-559634



Responsive. Efficient. Innovative.

Printed: 1/30/2025

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING



SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UTM GRID AND 1984 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

PHILLIPS, WIS.
NW/4 PHILLIPS 15' QUADRANGLE
45090-F4-TF-024
1984
DMA 2975 III NW–SERIES V861

QUADRANGLE LOCATION

REI Engineering, INC.

PHILLIPS PLATING CORP. 984 N LAKE AVENUE PHILLIPS, WISCONSIN	FIGURE 1 : SITE VICINITY MAP		
	PROJECT NO. 6134B	DRAWN BY: NAP	DATE: 12/13/12

DRAWING FILE: P:\6100-6199\6134B-PHILLIPS PLATING\DWG\6134B-VICN.DWG LAYOUT: VICINITY PLOTTED: JAN 19, 2017 - 8:31AM PLOTTED BY: NATHANP

LONG LAKE
WBIC 2239300

ELK LAKE
WBIC 2240000

FAYETTE STREET

SHAW STREET

HIGHWAY 13 (LAKE AVENUE)

MW1
MW2
MW3
MW4
MW5
MW6
MW7
MW8
MW9
MW10
MW11
MW12
MW13
MW14
MW15
PZ1
PZ2
PZ3
PZ4
GP1
GP2
GP3
GP4
GP5
GP6
GP6B
GP6C
GP6D
GP7
GP7B
GP7C
HA1

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-0101

PHILLIPS PLATING
984 N LAKE AVE
50-272-4-37-01-07-5
15-025-02030

PHILLIPS PLATING
134 SHAW ST
50-272-4-37-01-07-5
15-025-02130

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-0120

PHILLIPS MEDISIZE
1 PLASTICS DR
50-272-4-37-01-07-5
05-004-20000

LEGEND

- MONITORING WELL
- MONITORING WELL - ABANDONED
- PIEZOMETER
- GEOPROBE SOIL BORING
- HAND AUGER SOIL BORING
- UTILITY POLE
- FIRE HYDRANT
- MANHOLE - SANITARY SEWER
- CATCH BASIN - STORM SEWER
- CATCH BASIN - STORM SEWER

NATURAL GAS LINE

TELECOMMUNICATION LINE

WATER LINE

HISTORIC USTS

- (A) 550-GALLON SPILL CATCH TANK
- (B) 5,500-GALLON WASTE TREATMENT PROCESS TANK (STORAGE TANK)
- (C) 1,500-GALLON WASTE TREATMENT PROCESS TANK (WASTE TREATMENT COLLECTION TANK)
- (F) 1,500-GALLON WASTE TREATMENT PROCESS TANK (PLATING LINE COLLECTION TANK)

OVERHEAD UTILITIES

ELECTRICAL LINE

SANITARY SEWER LINE

STORM SEWER LINE

PROPERTY BOUNDARY - SUBJECT PROPERTY

PROPERTY BOUNDARY - OTHER PROPERTIES

NOTES:
1. PROPERTY BOUNDARIES ARE BASED ON PRICE COUNTY GIS.
2. UTILITY LOCATION ARE BASED ON OCTOBER 2024 UTILITY LOCATE SUBMITTED VIA DIGGERS HOTLINE.

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

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4080 N. 20TH AVENUE
WAUSAU, WISCONSIN 54401
PHONE: 715.675.9784
EMAIL: MAIL@REIENGINEERING.COM

SCALE
0 100

DATE: 2/3/2025
DRAWN BY: MCM
APPROVED BY: KJL

DETAILED SITE MAP

PHILLIPS PLATING CORP
984 N LAK AVENUE
PHILLIPS, WISCONSIN 54555

REI No. 6134B
FIGURE: 2

DRAWING FILE: P:\6100-6199\6134B-PHILLIPS PLATING\DWG\6134B-SITE.DWG LAYOUT: SITE 2024 PLOTTED: FEB 03, 2025 - 2:22PM PLOTTED BY: MATTM

LONG LAKE
WBIC 2239300

ELK LAKE
WBIC 2240000

FAYETTE STREET

SHAW STREET

HIGHWAY 35 (LAKE AVENUE)

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-0101I

PHILLIPS PLATING
984 N LAKE AVE
50-272-4-37-01-07-5
15-025-02020

PHILLIPS PLATING
134 SHAW ST
50-272-4-37-01-07-5
15-025-02130

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-02120

PHILLIPS MEDSIZE
1 PLASTICS DR
50-272-4-37-01-07-5
05-004-20000

MW1 1,449.01
MW2
MW3
MW4 1,446.83
MW5 1,442.01
MW6
MW7 1,438.92
MW8 1,448.12
MW9 1,439.27
MW10 1,442.16
MW11
MW12 1,444.43
MW13 1,442.20
MW14 1,442.15
MW15 1,441.98
PZ1
PZ2
PZ3
PZ4
GP1
GP2
GP3
GP5
GP6
GP6B
GP6C
GP6D
GP7
GP7B
GP7C

1,446 MSL
1,447 MSL
1,448 MSL
1,445 MSL
1,444 MSL
1,443 MSL
1,442 MSL
1,441 MSL
1,440 MSL

LEGEND

- MONITORING WELL
- MONITORING WELL - ABANDONED
- PIEZOMETER
- GEOPROBE SOIL BORING
- HAND AUGER SOIL BORING
- UTILITY POLE
- FIRE HYDRANT
- MANHOLE - SANITARY SEWER
- CATCH BASIN - STORM SEWER
- CATCH BASIN - STORM SEWER

NATURAL GAS LINE

TELECOMMUNICATION LINE

WATER LINE

HISTORIC USTS
- (A) 550-GALLON SPILL CATCH TANK
- (B) 5,500-GALLON WASTE TREATMENT PROCESS TANK (STORAGE TANK)
- (C) 1,500-GALLON WASTE TREATMENT PROCESS TANK (WASTE TREATMENT COLLECTION TANK)
- (F) 1,500-GALLON WASTE TREATMENT PROCESS TANK (PLATING LINE COLLECTION TANK)

OVERHEAD UTILITIES

ELECTRICAL LINE

SANITARY SEWER LINE

STORM SEWER LINE

PROPERTY BOUNDARY - SUBJECT PROPERTY

PROPERTY BOUNDARY - OTHER PROPERTIES

NOTES:
1. PROPERTY BOUNDARIES ARE BASED ON PRICE COUNTY GIS.
2. UTILITY LOCATION ARE BASED ON OCTOBER 2024 UTILITY LOCATE SUBMITTED VIA DIGGERS HOTLINE.
3. ELEVATION DATA IS PRESENTED IN FEET MEAN SEA LEVEL (MSL)
4. GROUNDWATER CONTOUR MAP IS BASED ON DEPTH TO GROUNDWATER MEASUREMENTS COLLECTED FROM WATER TABLE OBSERVATION WELLS DURING THE OCTOBER 22, 2024 GROUNDWATER MONITORING EVENT.

REI
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EMAIL: MAIL@REIENGINEERING.COM

SCALE
0 100

N

DATE: 2/3/2025
DRAWN BY: MCM
APPROVED BY: KJL

GROUNDWATER CONTOUR MAP (10/22/2024)

PHILLIPS PLATING CORP
984 N LAK AVENUE
PHILLIPS, WISCONSIN 54555

REI No. 6134B
FIGURE: 3

DRAWING FILE: P:\6100-6199\6134B-PHILLIPS PLATING\DWG\6134B-GW-102224.DWG LAYOUT: SITE 2024 PLOTTED: FEB 03, 2025 - 2:24PM PLOTTED BY: MATTM

LONG LAKE
WBIC 2239300

ELK LAKE
WBIC 2240000

FAYETTE STREET

SHAW STREET

HIGHWAY 13 (LAKE AVENUE)

MW1
MW2
MW3
MW4
MW5
MW6
MW7
MW8
MW9
MW10
MW11
MW12
MW13
MW14
MW15

PZ1 1,441.16
PZ2 1,442.24
PZ3 1,442.36
PZ4 1,447.83

1,447 MSL
1,446 MSL
1,445 MSL
1,444 MSL
1,443 MSL
1,442 MSL
1,442 MSL

GP1
GP2
GP3
GP4
GP5
GP6
GP6B
GP6C
GP6D
GP7
GP7B
GP7C
HA1

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-0101

PHILLIPS PLATING
984 N LAKE AVE
50-272-4-37-01-07-5
15-025-02030

PHILLIPS PLATING
134 SHAW ST
50-272-4-37-01-07-5
15-025-02130

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-0120

PHILLIPS MEDISIZE
1 PLASTICS DR
50-272-4-37-01-07-5
05-004-20000

LEGEND

- MONITORING WELL
- MONITORING WELL - ABANDONED
- PIEZOMETER
- GEOPROBE SOIL BORING
- HAND AUGER SOIL BORING
- UTILITY POLE
- FIRE HYDRANT
- MANHOLE - SANITARY SEWER
- CATCH BASIN - STORM SEWER
- CATCH BASIN - STORM SEWER

NATURAL GAS LINE
TELECOMMUNICATION LINE
WATER LINE

HISTORIC USTS
- (A) 550-GALLON SPILL CATCH TANK
- (B) 5,500-GALLON WASTE TREATMENT PROCESS TANK (STORAGE TANK)
- (C) 1,500-GALLON WASTE TREATMENT PROCESS TANK (WASTE TREATMENT COLLECTION TANK)
- (F) 1,500-GALLON WASTE TREATMENT PROCESS TANK (PLATING LINE COLLECTION TANK)

OVERHEAD UTILITIES
ELECTRICAL LINE
SANITARY SEWER LINE
STORM SEWER LINE
PROPERTY BOUNDARY - SUBJECT PROPERTY
PROPERTY BOUNDARY - OTHER PROPERTIES

NOTES:
1. PROPERTY BOUNDARIES ARE BASED ON PRICE COUNTY GIS.
2. UTILITY LOCATION ARE BASED ON OCTOBER 2024 UTILITY LOCATE SUBMITTED VIA DIGGERS HOTLINE.
3. ELEVATION DATA IS PRESENTED IN FEET MEAN SEA LEVEL (MSL)
4. PIEZOMETRIC CONTOUR MAP IS BASED ON DEPTH TO GROUNDWATER MEASUREMENTS COLLECTED FROM PIEZOMETER WELLS DURING THE OCTOBER 22, 2024 GROUNDWATER MONITORING EVENT.

REI
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WAUSAU, WISCONSIN 54401
PHONE: 715.675.9784
EMAIL: MAIL@REIENGINEERING.COM

SCALE
0 100

DATE: 2/3/2025
DRAWN BY: MCM
APPROVED BY: KJL

PIEZOMETRIC CONTOUR MAP (10/22/2024)

PHILLIPS PLATING CORP
984 N LAK AVENUE
PHILLIPS, WISCONSIN 54555

REI No. 6134B
FIGURE: 4

DRAWING FILE: P:\6100-6199\6134B-PHILLIPS PLATING\DWG\6134B-PZ-102224.DWG LAYOUT: SITE 2024 PLOTTED: FEB 03, 2025 - 2:23PM PLOTTED BY: MATTM

LONG LAKE
WBIC 2239300

ELK LAKE
WBIC 2240000

FAYETTE STREET

SHAW STREET

HIGHWAY 13 (LAKE AVENUE)

MW1
MW2
MW3
MW4
MW5
MW6
MW7
MW8
MW9
MW10
MW11
MW12
MW13
MW14
MW15
PZ1
PZ2
PZ3
PZ4
GP1
GP2
GP3
GP4
GP5
GP6
GP6B
GP6C
GP6D
GP7
GP7B
GP7C

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-0101I

PHILLIPS PLATING
984 N LAKE AVE
50-272-4-37-01-07-5
15-025-02030

PHILLIPS PLATING
134 SHAW ST
50-272-4-37-01-07-5
15-025-02130

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-02120

PHILLIPS MEDISIZE
1 PLASTICS DR
50-272-4-37-01-07-5
05-004-20000

ESTIMATED EXTENT OF DISSOLVED PHASE CHROMIUM CONTAMINATION EXCEEDING THE WAC CHAPTER NR140 PAL.

ESTIMATED EXTENT OF DISSOLVED PHASE CHROMIUM CONTAMINATION EXCEEDING THE WAC CHAPTER NR140 ES.

LEGEND

- MONITORING WELL
- MONITORING WELL - ABANDONED
- PIEZOMETER
- GEOPROBE SOIL BORING
- HAND AUGER SOIL BORING
- UTILITY POLE
- FIRE HYDRANT
- MANHOLE - SANITARY SEWER
- CATCH BASIN - STORM SEWER
- CATCH BASIN - STORM SEWER

NATURAL GAS LINE

TELECOMMUNICATION LINE

WATER LINE

HISTORIC USTS

- (A) 550-GALLON SPILL CATCH TANK
- (B) 5,500-GALLON WASTE TREATMENT PROCESS TANK (STORAGE TANK)
- (C) 1,500-GALLON WASTE TREATMENT PROCESS TANK (WASTE TREATMENT COLLECTION TANK)
- (F) 1,500-GALLON WASTE TREATMENT PROCESS TANK (PLATING LINE COLLECTION TANK)

OVERHEAD UTILITIES

ELECTRICAL LINE

SANITARY SEWER LINE

STORM SEWER LINE

PROPERTY BOUNDARY - SUBJECT PROPERTY

PROPERTY BOUNDARY - OTHER PROPERTIES

NOTES:
1. PROPERTY BOUNDARIES ARE BASED ON PRICE COUNTY GIS.
2. UTILITY LOCATION ARE BASED ON OCTOBER 2024 UTILITY LOCATE SUBMITTED VIA DIGGERS HOTLINE.
3. GROUNDWATER ISOCONCENTRATIONS ARE BASED ON LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED FROM THE SITE MONITORING WELLS DURING THE OCTOBER 22, 2024 GROUNDWATER MONITORING EVENT.
4. ISOCONCENTRATION CONTOURS DEPICTS THE ESTIMATED EXTENT OF DISSOLVED CHROMIUM EXCEEDING THE WISCONSIN ADMINISTRATIVE CODE (WAC) CHAPTER NR140 ENFORCEMENT STANDARDS (ES) AND PREVENTIVE ACTION LIMITS (PAL).

REI
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WAUSAU, WISCONSIN 54401
PHONE: 715.675.9784
EMAIL: MAIL@REIENGINEERING.COM

SCALE
0 100

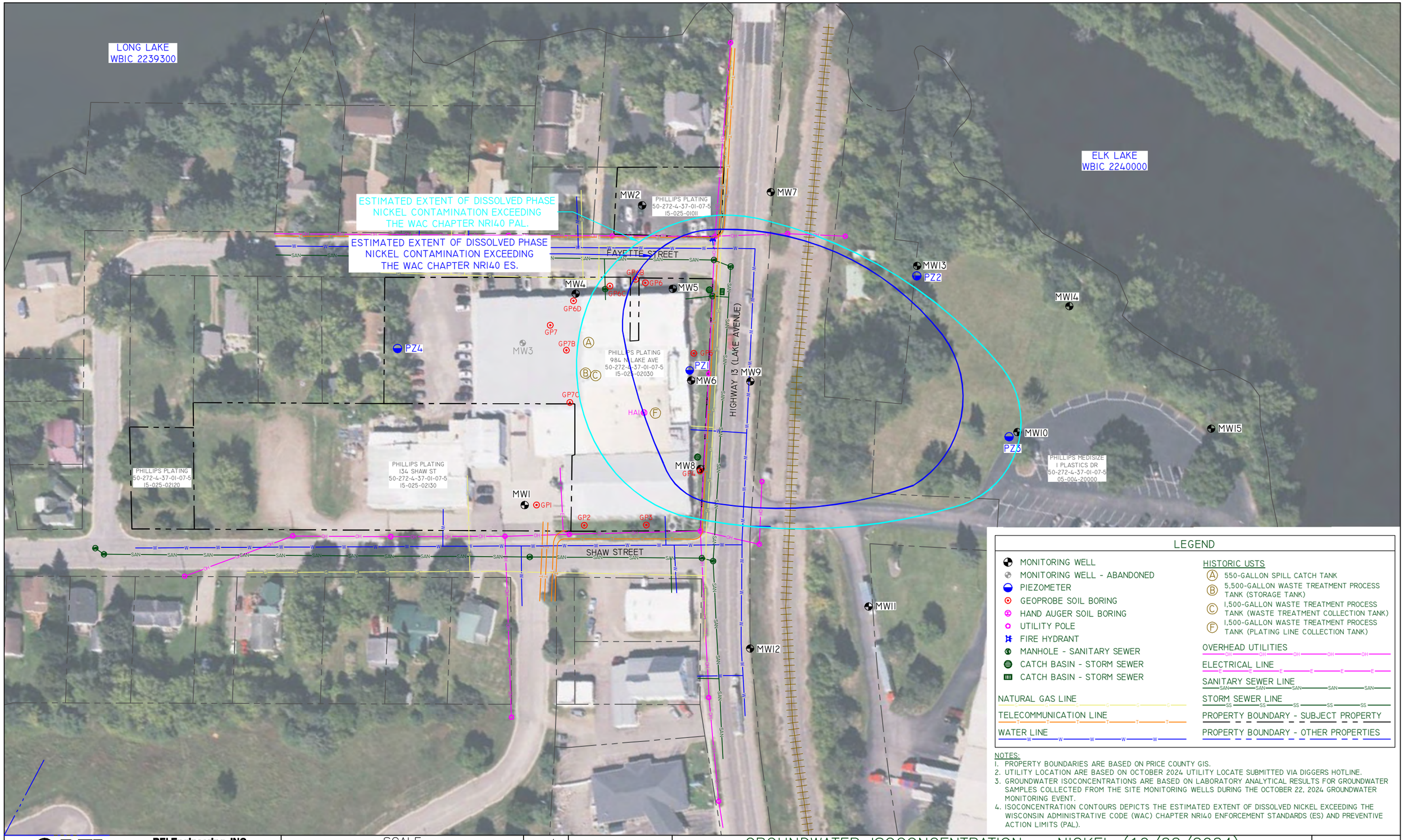
DATE:	2/3/2025
DRAWN BY:	MCM
APPROVED BY:	KJL

GROUNDWATER ISOCONCENTRATION – CHROMIUM (10/22/2024)

PHILLIPS PLATING CORP
984 N LAK AVENUE
PHILLIPS, WISCONSIN 54555

REI No. 6134B
FIGURE: 5A

DRAWING FILE: P:\6100-6199\6134B-Phillips Plating\dwg\6134B-GW-contam-102224.dwg LAYOUT: Chromium PLOTTED: Feb 03, 2025 - 2:26pm PLOTTED BY: MattM



LEGEND

- MONITORING WELL
- MONITORING WELL - ABANDONED
- PIEZOMETER
- GEOPROBE SOIL BORING
- HAND AUGER SOIL BORING
- UTILITY POLE
- FIRE HYDRANT
- MANHOLE - SANITARY SEWER
- CATCH BASIN - STORM SEWER
- CATCH BASIN - STORM SEWER

NATURAL GAS LINE

TELECOMMUNICATION LINE

WATER LINE

HISTORIC USTS

- (A) 550-GALLON SPILL CATCH TANK
- (B) 5,500-GALLON WASTE TREATMENT PROCESS TANK (STORAGE TANK)
- (C) 1,500-GALLON WASTE TREATMENT PROCESS TANK (WASTE TREATMENT COLLECTION TANK)
- (F) 1,500-GALLON WASTE TREATMENT PROCESS TANK (PLATING LINE COLLECTION TANK)

OVERHEAD UTILITIES

ELECTRICAL LINE

SANITARY SEWER LINE

STORM SEWER LINE

PROPERTY BOUNDARY - SUBJECT PROPERTY

PROPERTY BOUNDARY - OTHER PROPERTIES

NOTES:

1. PROPERTY BOUNDARIES ARE BASED ON PRICE COUNTY GIS.
2. UTILITY LOCATION ARE BASED ON OCTOBER 2024 UTILITY LOCATE SUBMITTED VIA DIGGERS HOTLINE.
3. GROUNDWATER ISOCONCENTRATIONS ARE BASED ON LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED FROM THE SITE MONITORING WELLS DURING THE OCTOBER 22, 2024 GROUNDWATER MONITORING EVENT.
4. ISOCONCENTRATION CONTOURS DEPICTS THE ESTIMATED EXTENT OF DISSOLVED NICKEL EXCEEDING THE WISCONSIN ADMINISTRATIVE CODE (WAC) CHAPTER NR140 ENFORCEMENT STANDARDS (ES) AND PREVENTIVE ACTION LIMITS (PAL).

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

REI Engineering, INC.
4080 N. 20TH AVENUE
WAUSAU, WISCONSIN 54401
PHONE: 715.675.9784
EMAIL: MAIL@REIENGINEERING.COM

SCALE
0 100

DATE: 2/3/2025
DRAWN BY: MCM
APPROVED BY: KJL

GROUNDWATER ISOCONCENTRATION – NICKEL (10/22/2024)

PHILLIPS PLATING CORP
984 N LAK AVENUE
PHILLIPS, WISCONSIN 54555

REI No. 6134B
FIGURE: 5B

DRAWING FILE: P:\6100-6199\6134B-PHILLIPS PLATING\DWG\6134B-GW-CONTAM-102224.DWG LAYOUT: NICKEL PLOTTED: FEB 03, 2025 - 2:26PM PLOTTED BY: MATTM

LONG LAKE
WBIC 2239300

ELK LAKE
WBIC 2240000

FAYETTE STREET

HIGHWAY 13 (LAKE AVENUE)

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-01011

PHILLIPS PLATING
984 N LAKE AVE
50-272-4-37-01-07-5
15-025-02030

PHILLIPS PLATING
134 SHAW ST
50-272-4-37-01-07-5
15-025-02130

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-0210

PHILLIPS MEDIZE
PLASTICS DR
50-272-4-37-01-07-5
05-004-20100

MW1 GP1
MW2
MW3
MW4 GP6D
MW5 GP6 GP6B GP6C
MW6 PZ1 GP5
MW7
MW8 GP4
MW9
MW10 PZ3
MW11
MW12
MW13 PZ2
MW14
MW15
PZ4 GP7 GP7B GP7C
GP2 GP3
HA1 F
A B C

ESTIMATED EXTENT OF DISSOLVED PHASE CHROMIUM CONTAMINATION EXCEEDING THE WAC CHAPTER NR140 PAL.

ESTIMATED EXTENT OF DISSOLVED PHASE CHROMIUM CONTAMINATION EXCEEDING THE WAC CHAPTER NR140 ES.

LEGEND

- MONITORING WELL
- MONITORING WELL - ABANDONED
- PIEZOMETER
- GEOPROBE SOIL BORING
- HAND AUGER SOIL BORING
- UTILITY POLE
- FIRE HYDRANT
- MANHOLE - SANITARY SEWER
- CATCH BASIN - STORM SEWER
- CATCH BASIN - STORM SEWER

NATURAL GAS LINE
TELECOMMUNICATION LINE
WATER LINE

HISTORIC USTS
- (A) 550-GALLON SPILL CATCH TANK
- (B) 5,500-GALLON WASTE TREATMENT PROCESS TANK (STORAGE TANK)
- (C) I,500-GALLON WASTE TREATMENT PROCESS TANK (WASTE TREATMENT COLLECTION TANK)
- (F) I,500-GALLON WASTE TREATMENT PROCESS TANK (PLATING LINE COLLECTION TANK)

OVERHEAD UTILITIES
ELECTRICAL LINE
SANITARY SEWER LINE
STORM SEWER LINE
PROPERTY BOUNDARY - SUBJECT PROPERTY
PROPERTY BOUNDARY - OTHER PROPERTIES

NOTES:
1. PROPERTY BOUNDARIES ARE BASED ON PRICE COUNTY GIS.
2. UTILITY LOCATION ARE BASED ON OCTOBER 2024 UTILITY LOCATE SUBMITTED VIA DIGGERS HOTLINE.
3. GROUNDWATER ISOCONCENTRATIONS ARE BASED ON LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED FROM THE SITE PIEZOMETERS DURING THE OCTOBER 22, 2024 GROUNDWATER MONITORING EVENT.
4. ISOCONCENTRATION CONTOURS DEPICTS THE ESTIMATED EXTENT OF DISSOLVED CHROMIUM EXCEEDING THE WISCONSIN ADMINISTRATIVE CODE (WAC) CHAPTER NR140 ENFORCEMENT STANDARDS (ES) AND PREVENTIVE ACTION LIMITS (PAL).

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

REI Engineering, INC.
4080 N. 20TH AVENUE
WAUSAU, WISCONSIN 54401
PHONE: 715.675.9784
EMAIL: MAIL@REIENGINEERING.COM

SCALE
0 100

DATE: 2/3/2025
DRAWN BY: MCM
APPROVED BY: KJL

PEIZOMETRIC ISOCONCENTRATION – CHROMIUM (10/22/2024)

PHILLIPS PLATING CORP
984 N LAK AVENUE
PHILLIPS, WISCONSIN 54555

REI No. 6134B
FIGURE: 6A

DRAWING FILE: P:\6100-6199\6134B-PHILLIPS PLATING\DWG\6134B-PZ-CONTAM-102224.DWG LAYOUT: CHROMIUM PLOTTED: FEB 03, 2025 - 2:25PM PLOTTED BY: MATTM

LONG LAKE
WBIC 2239300

ELK LAKE
WBIC 2240000

ESTIMATED EXTENT OF DISSOLVED PHASE NICKEL CONTAMINATION EXCEEDING THE WAC CHAPTER NR140 PAL.

ESTIMATED EXTENT OF DISSOLVED PHASE NICKEL CONTAMINATION EXCEEDING THE WAC CHAPTER NR140 ES.

LAFAYETTE STREET

SHAW STREET

HIGHWAY 13 (LAKE AVENUE)

MW1 GP1
MW2
MW3
MW4 GP6D GP6C
MW5 GP6 GP6B
MW6 GP5 PZ1
MW7
MW8 GP4
MW9
MW10 PZ3
MW11
MW12
MW13 PZ2
MW14
MW15
PZ4
GP2
GP3
GP7
GP7B
GP7C
HALO

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-01011

PHILLIPS PLATING
984 N LAKE AVE
50-272-4-37-01-07-5
15-025-02030

PHILLIPS PLATING
134 SHAW ST
50-272-4-37-01-07-5
15-025-02130

PHILLIPS PLATING
50-272-4-37-01-07-5
15-025-02120

PHILLIPS MEDISIZE
1 PLASTICS DR
50-272-4-37-01-07-5
05-004-20000

LEGEND

- MONITORING WELL
- MONITORING WELL - ABANDONED
- PIEZOMETER
- GEOPROBE SOIL BORING
- HAND AUGER SOIL BORING
- UTILITY POLE
- FIRE HYDRANT
- MANHOLE - SANITARY SEWER
- CATCH BASIN - STORM SEWER
- CATCH BASIN - STORM SEWER

NATURAL GAS LINE
TELECOMMUNICATION LINE
WATER LINE

HISTORIC USTS
- (A) 550-GALLON SPILL CATCH TANK
- (B) 5,500-GALLON WASTE TREATMENT PROCESS TANK (STORAGE TANK)
- (C) 1,500-GALLON WASTE TREATMENT PROCESS TANK (WASTE TREATMENT COLLECTION TANK)
- (F) 1,500-GALLON WASTE TREATMENT PROCESS TANK (PLATING LINE COLLECTION TANK)

OVERHEAD UTILITIES
ELECTRICAL LINE
SANITARY SEWER LINE
STORM SEWER LINE
PROPERTY BOUNDARY - SUBJECT PROPERTY
PROPERTY BOUNDARY - OTHER PROPERTIES

NOTES:
1. PROPERTY BOUNDARIES ARE BASED ON PRICE COUNTY GIS.
2. UTILITY LOCATION ARE BASED ON OCTOBER 2024 UTILITY LOCATE SUBMITTED VIA DIGGERS HOTLINE.
3. GROUNDWATER ISOCONCENTRATIONS ARE BASED ON LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED FROM THE SITE PIEZOMETERS DURING THE OCTOBER 22, 2024 GROUNDWATER MONITORING EVENT.
4. ISOCONCENTRATION CONTOURS DEPICTS THE ESTIMATED EXTENT OF DISSOLVED NICKEL EXCEEDING THE WISCONSIN ADMINISTRATIVE CODE (WAC) CHAPTER NR140 ENFORCEMENT STANDARDS (ES) AND PREVENTIVE ACTION LIMITS (PAL).

REI
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REI Engineering, INC.
4080 N. 20TH AVENUE
WAUSAU, WISCONSIN 54401
PHONE: 715.675.9784
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SCALE
0 100

DATE: 2/3/2025
DRAWN BY: MCM
APPROVED BY: KJL

PEIZOMETRIC ISOCONCENTRATION – NICKEL (10/22/2024)

PHILLIPS PLATING CORP
984 N LAK AVENUE
PHILLIPS, WISCONSIN 54555

REI No. 6134B
FIGURE: 6B

DRAWING FILE: P:\6100-6199\6134B-PHILLIPS PLATING\DWG\6134B-PZ-CONTAM-102224.DWG LAYOUT: NICKEL PLOTTED: FEB 03, 2025 - 2:25PM PLOTTED BY: MATTM

CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

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:	6134B
Project Name:	Phillips Plating
Disposed of Material:	Purge Water
Disposal Location:	Wausau WWTP
Name of Waste Hauler:	REI Engineering, Inc.
Quantity of Water Discharged:	30

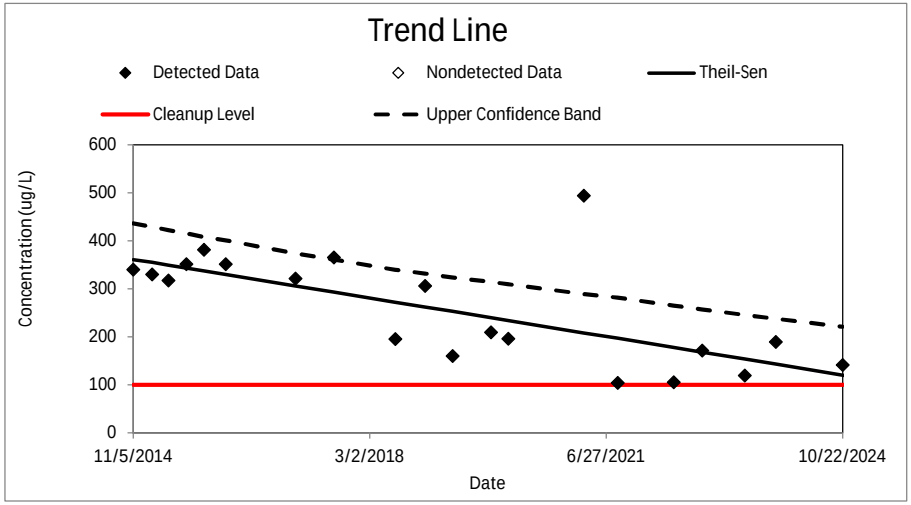
Sum of Volume (Gallons)		Job Number
Disposal Location	DateOut	6134B
WWTP		
	11/11/2024	30
WWTP Total (Gallons)		30

Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Nonparametric Residuals

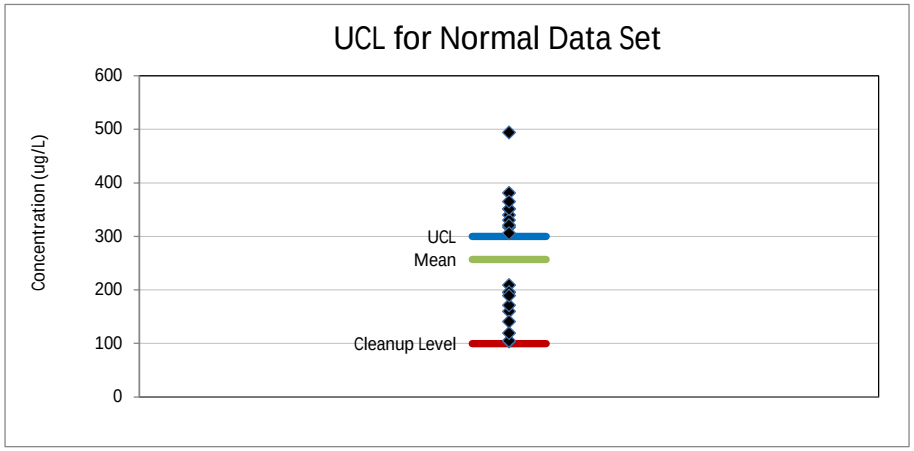
General Information

Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	MW5
Chemical of Concern	Chromium
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	20
Outliers present?	No
Number of Non-Detects	0



Trend Analysis

Trend Type	Nonparametric
Method	Theil-Sen Line, Mann-Kendall Test
Is the Upper Confidence Band above the cleanup level?	NA
Slope	-0.0662
Intercept	3140
Test Result	**Decreasing**
When concentration is predicted to achieve the cleanup level	**8/23/2025**
When concentration is predicted to exceed the cleanup level	**NA**



UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	257
95% UCL	**300**
Is the 95% UCL greater than the cleanup level?	**Yes**

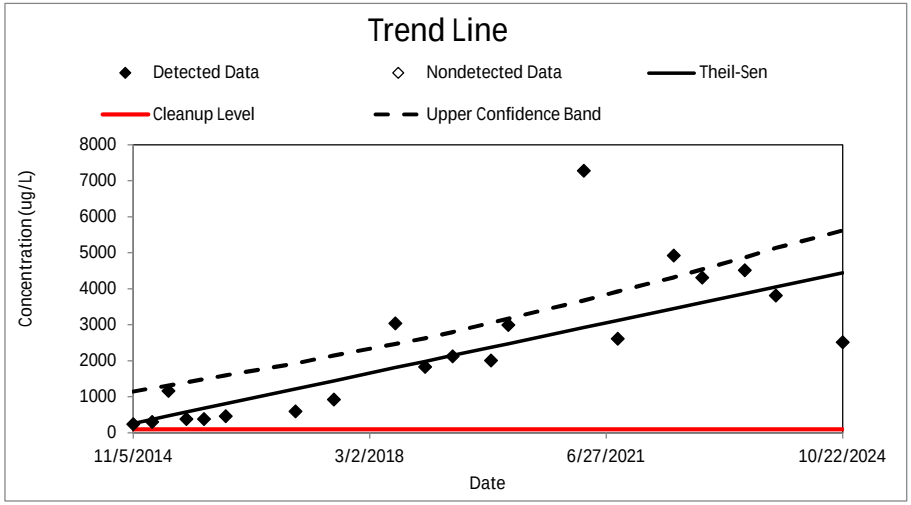
Previous Step: Trend Screen **Previous Step: UCL Screen** **Restart: Data Input Screen**

Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Nonparametric Residuals

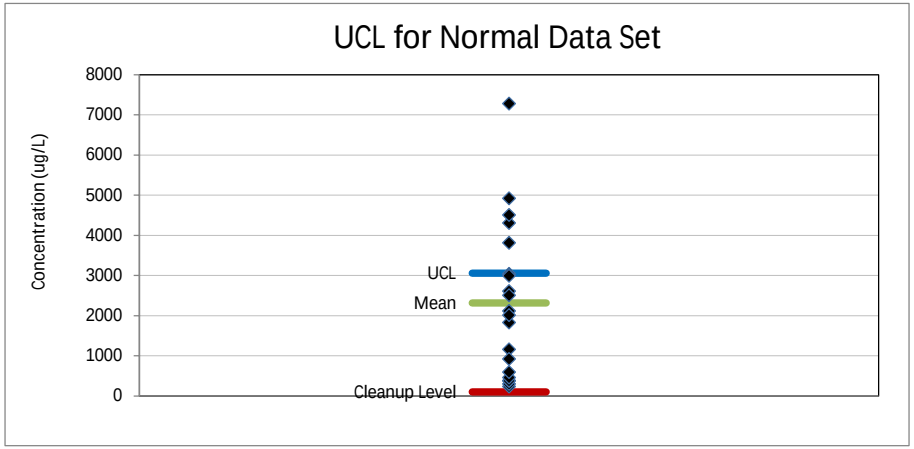
General Information

Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	MW5
Chemical of Concern	Nickel
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	20
Outliers present?	No
Number of Non-Detects	0



Trend Analysis

Trend Type	Nonparametric
Method	Theil-Sen Line, Mann-Kendall Test
Is the Upper Confidence Band above the cleanup level?	NA
Slope	1.15
Intercept	-48000
Test Result	**Increasing**
When concentration is predicted to achieve the cleanup level	**NA**
When concentration is predicted to exceed the cleanup level	**NA**



UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	2320
95% UCL	**3060**
Is the 95% UCL greater than the cleanup level?	**Yes**

Previous Step: Trend Screen **Previous Step: UCL Screen** **Restart: Data Input Screen**

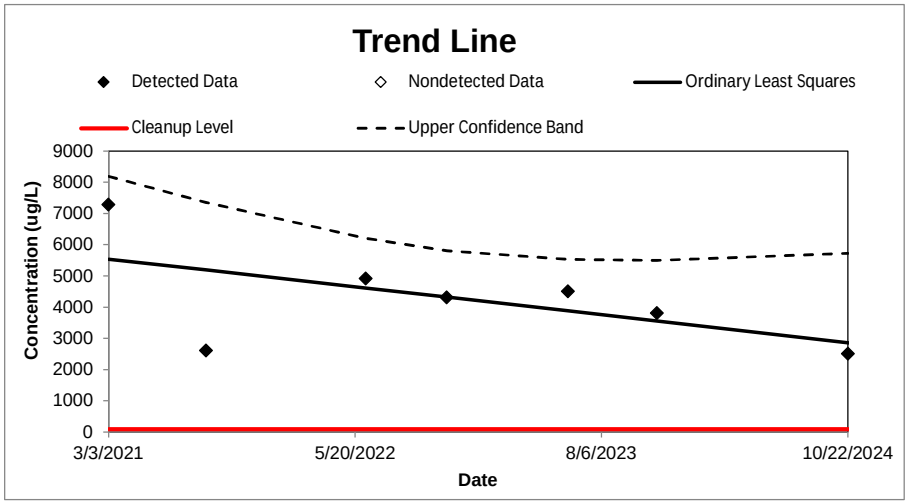
Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Normal Residuals

Eight data points are recommended for the attainment evaluation

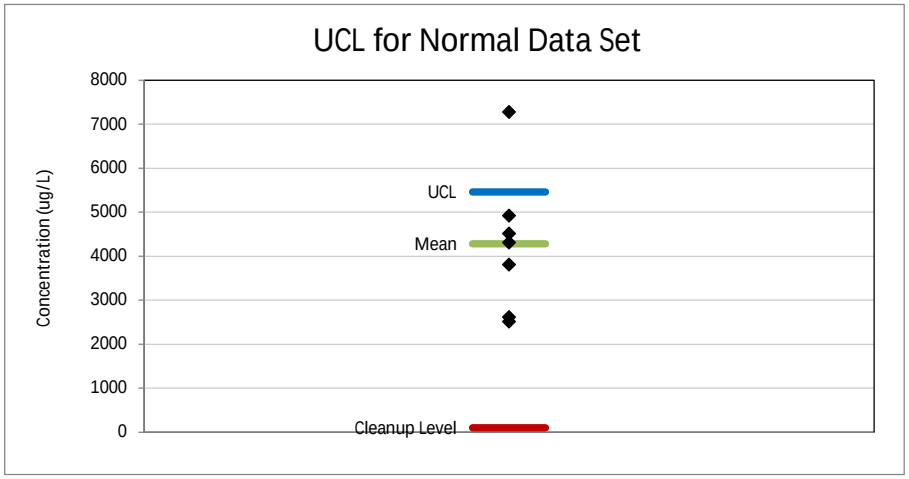
General Information

Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	MW5
Chemical of Concern	Nickel
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	7
Outliers present?	No
Number of Non-Detects	0



Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	-2.02
Intercept	94900
R^2	0.3362
Test Result	**No trend**
When concentration is predicted to achieve the cleanup level	**7/19/2028**
When concentration is predicted to exceed the cleanup level	**NA**



UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	4280
95% UCL	**5460**
Is the 95% UCL greater than the cleanup level?	**Yes**

Previous Step: Trend Screen

Previous Step: UCL Screen

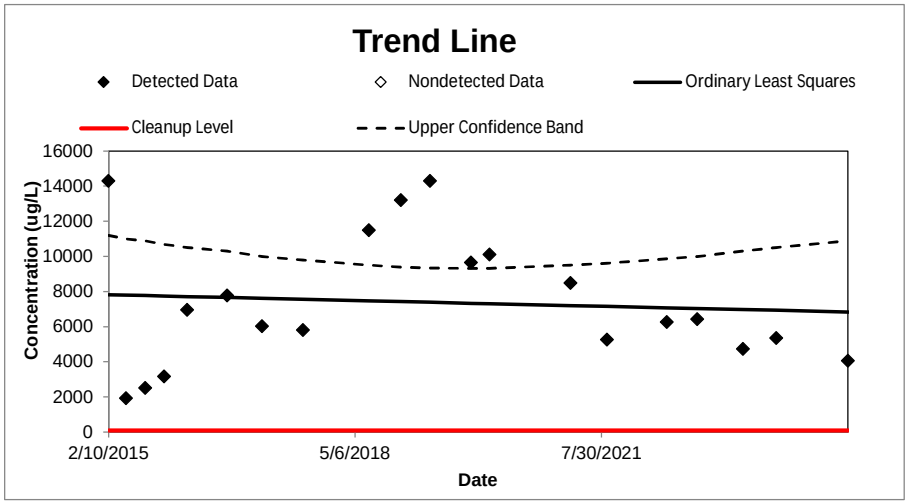
Restart: Data Input Screen

Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Normal Residuals

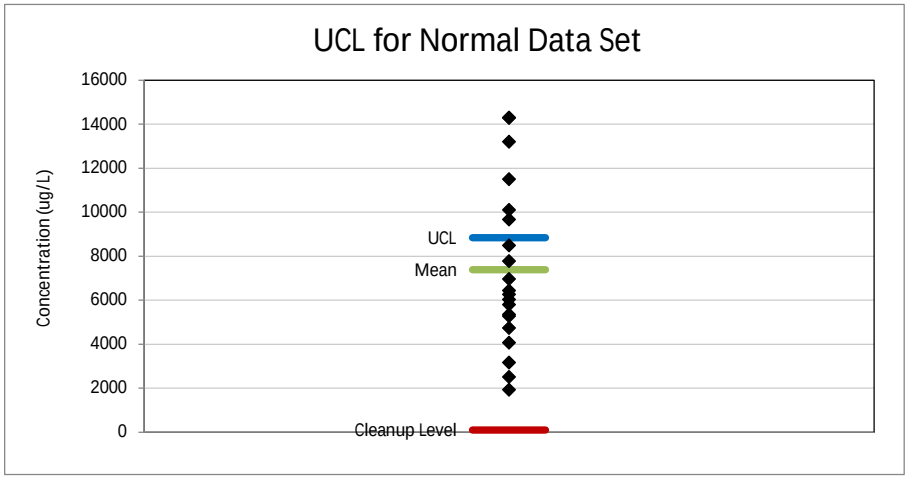
General Information

Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	MW6
Chemical of Concern	Chromium
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	20
Outliers present?	No
Number of Non-Detects	0



Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	-0.278
Intercept	19500
R^2	0.0072
Test Result	**No trend**
When concentration is predicted to achieve the cleanup level	**3/19/2091**
When concentration is predicted to exceed the cleanup level	**NA**



UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	7390
95% UCL	**8840**
Is the 95% UCL greater than the cleanup level?	**Yes**

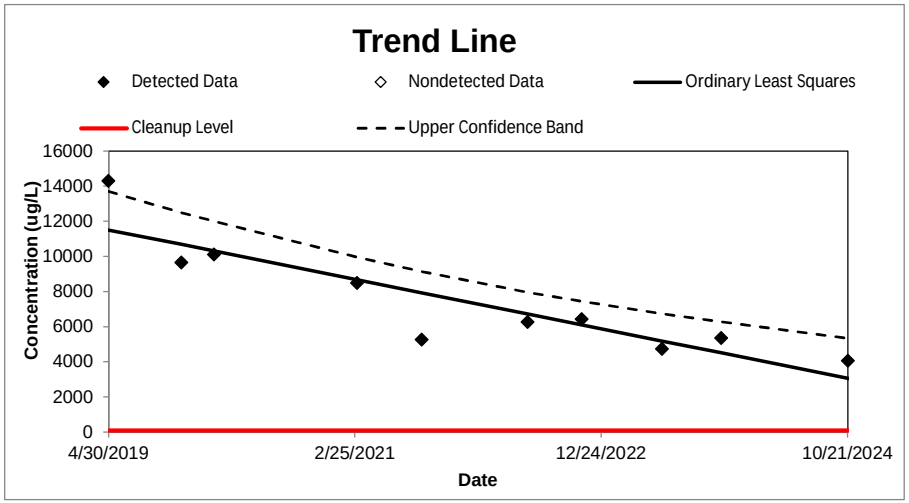
Previous Step: Trend Screen | **Previous Step: UCL Screen** | **Restart: Data Input Screen**

Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Normal Residuals

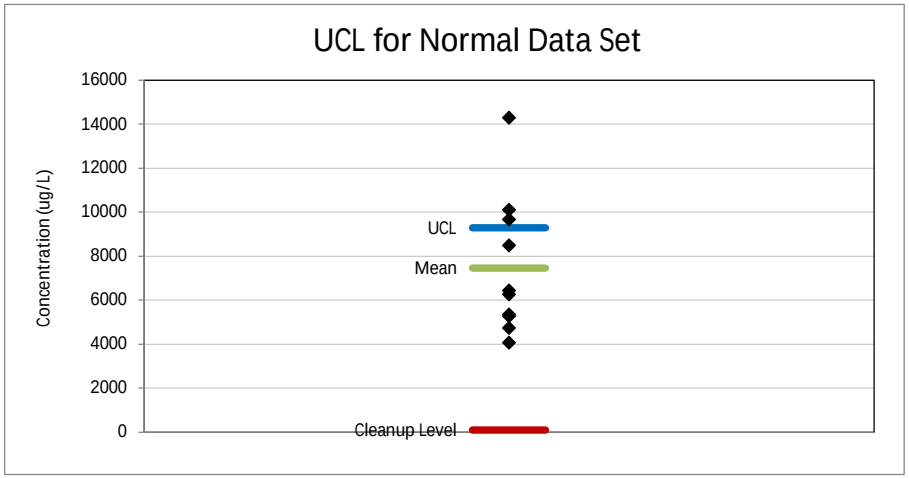
General Information

Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	MW6
Chemical of Concern	Chromium
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	10
Outliers present?	No
Number of Non-Detects	0



Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	-4.22
Intercept	195000
R^2	0.7985
Test Result	**Decreasing**
When concentration is predicted to achieve the cleanup level	**9/22/2026**
When concentration is predicted to exceed the cleanup level	**NA**



UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	7460
95% UCL	**9300**
Is the 95% UCL greater than the cleanup level?	**Yes**

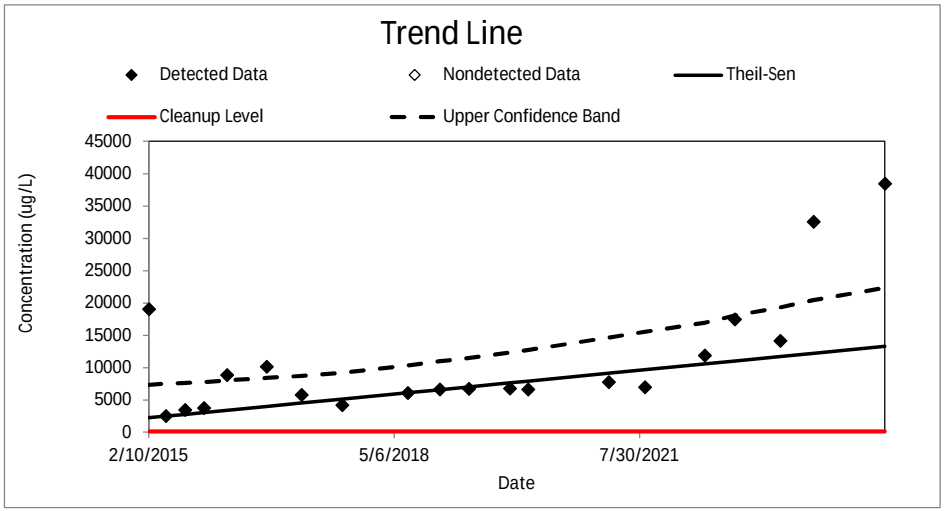
Previous Step: Trend Screen | **Previous Step: UCL Screen** | **Restart: Data Input Screen**

Groundwater Statistics Tool

Site & Summary Statistics for Nonparametric Data Sets with Nonparametric Residuals

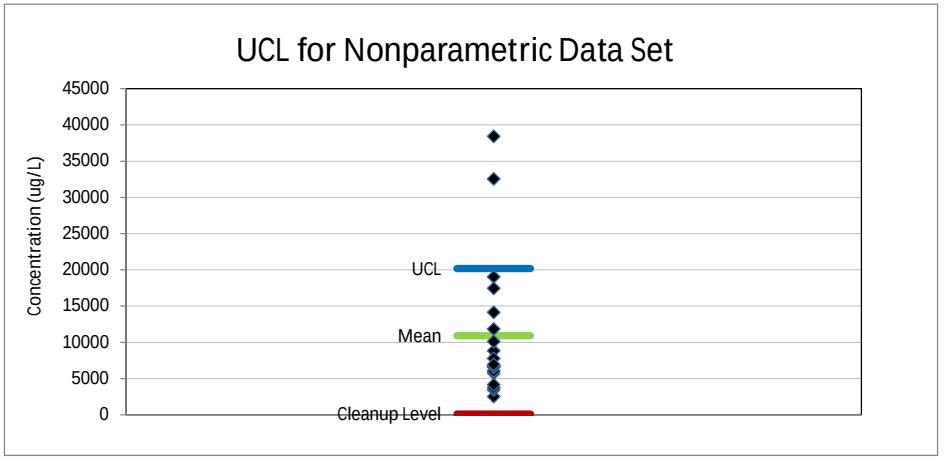
General Information

Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	MW6
Chemical of Concern	Nickel
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	20
Outliers present?	Yes
Number of Non-Detects	0



Trend Analysis

Trend Type	Nonparametric
Method	Theil-Sen Line, Mann-Kendall Test
Is the Upper Confidence Band above the cleanup level?	NA
Slope	3.12
Intercept	-129000
Test Result	**Increasing**
When concentration is predicted to achieve the cleanup level	**NA**
When concentration is predicted to exceed the cleanup level	**NA**



UCL Analysis

Distribution Type	Nonparametric
Test	Chebyshev UCL
Mean	10900
95% UCL	**20200**
Is the 95% UCL greater than the cleanup level?	**Yes**

Previous Step: Trend Screen | Previous Step: UCL Screen | Restart: Data Input Screen

Groundwater Statistics Tool

Site & Summary Statistics for Nonparametric Data Sets with Non-detects and Normal Residuals

General Information

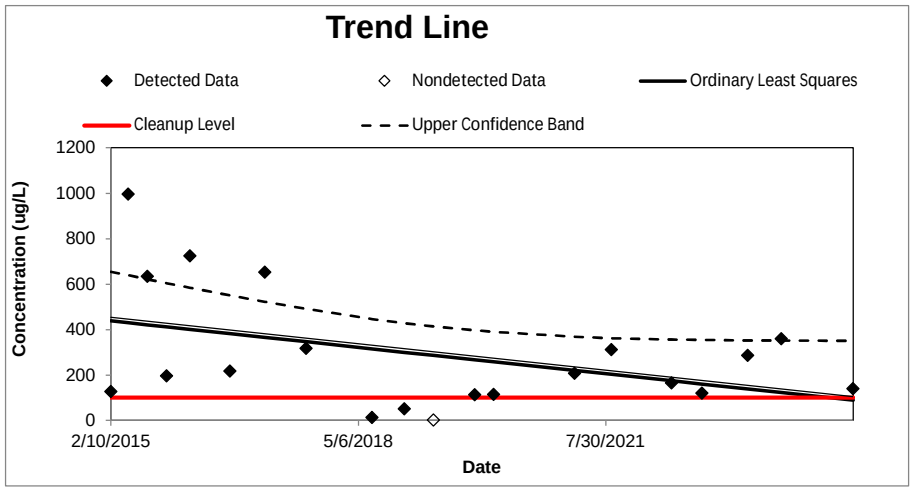
Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	MW10
Chemical of Concern	Chromium
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	20
Outliers present?	No
Number of Non-Detects	1

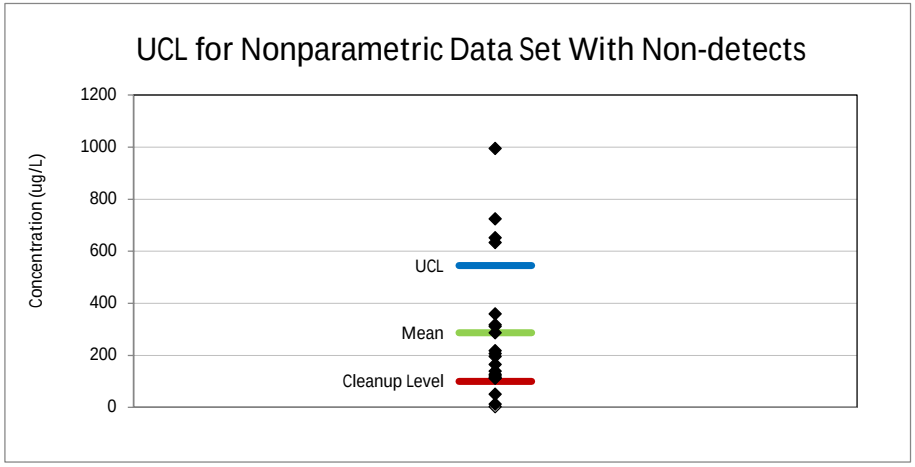
Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	-0.0986
Intercept	4580
R^2	0.1913
Test Result	**Decreasing**
When concentration is predicted to achieve the cleanup level	**NA**
When concentration is predicted to exceed the cleanup level	**NA**

UCL Analysis

Distribution Type	Nonparametric
Test	KM Chebyshev UCL
Mean	287
95% UCL	**545**
Is the 95% UCL greater than the cleanup level?	**Yes**





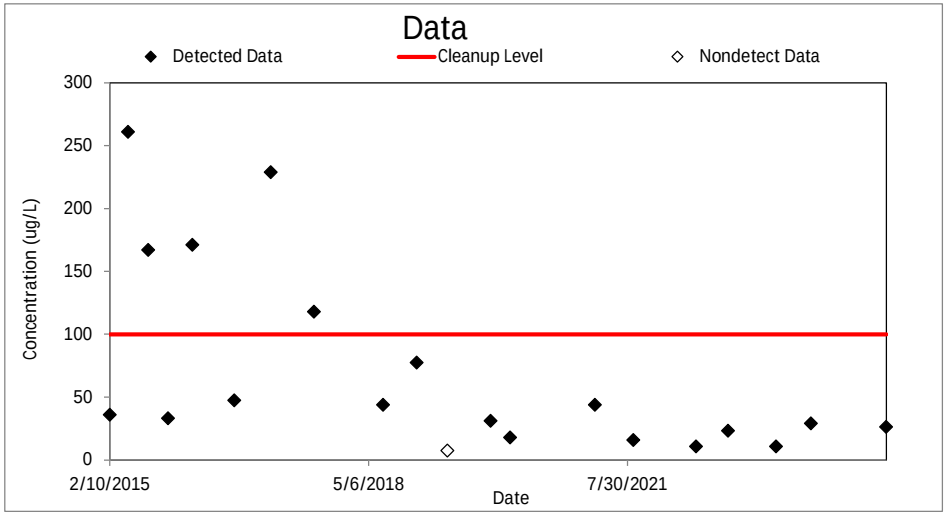
Previous Step: Trend Screen | Previous Step: UCL Screen | Restart: Data Input Screen

Groundwater Statistics Tool

Site & Summary Statistics for Nonparametric Data Sets with Non-detects and Negative Predictions

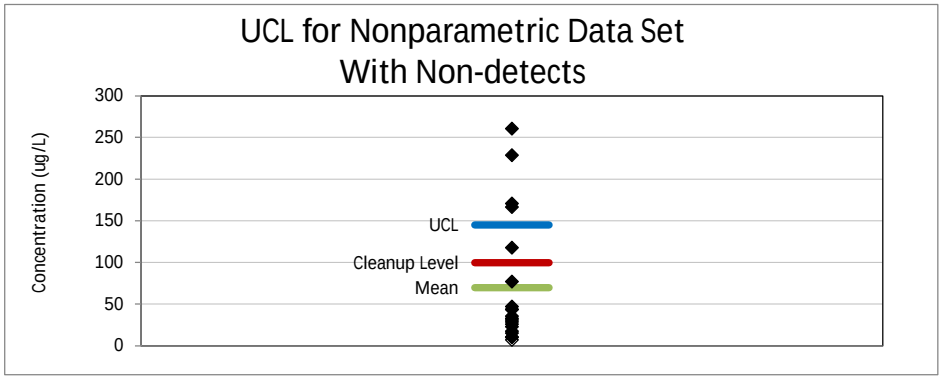
General Information

Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	MW10
Chemical of Concern	Nickel
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	20
Outliers present?	No
Number of Non-Detects	1



Trend Analysis

Trend Type	Negative Predictions



UCL Analysis

Distribution Type	Nonparametric
Test	KM Chebyshev UCL
Mean	70
95% UCL	**145**
Is the 95% UCL greater than the cleanup level?	**Yes**

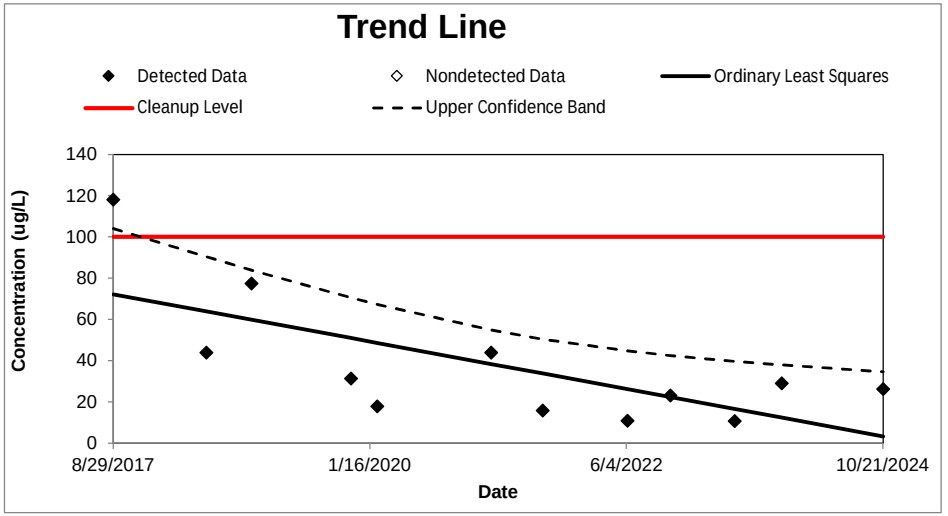
Previous Step: UCL Screen **Restart: Data Input Screen**

Groundwater Statistics Tool

Site & Summary Statistics for Nonparametric Data Sets with Normal Residuals

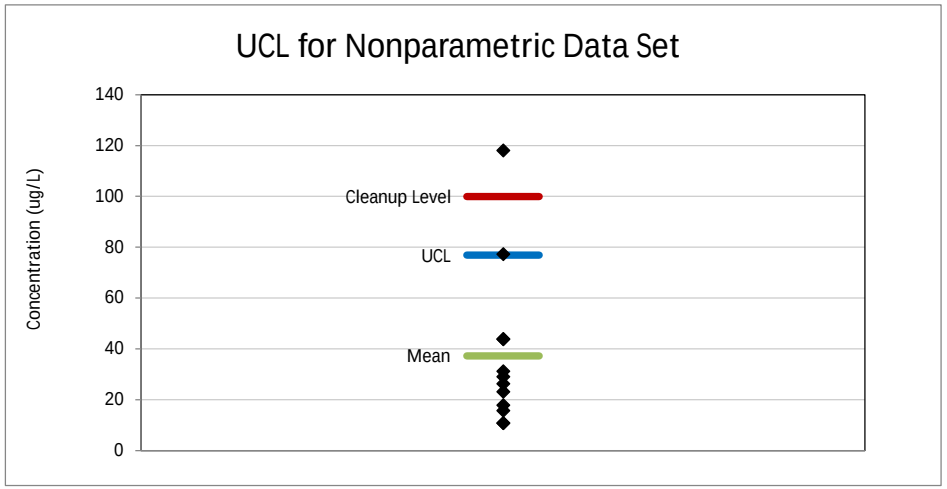
General Information

Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	MW10
Chemical of Concern	Nickel
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	12
Outliers present?	Yes
Number of Non-Detects	0



Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	-0.0264
Intercept	1210
R^2	0.4881
Test Result	**Decreasing**
When concentration is predicted to achieve the cleanup level	**NA**
When concentration is predicted to exceed the cleanup level	**NA**



UCL Analysis

Distribution Type	Nonparametric
Test	Chebyshev UCL
Mean	37.3
95% UCL	**76.9**
Is the 95% UCL greater than the cleanup level?	**No**

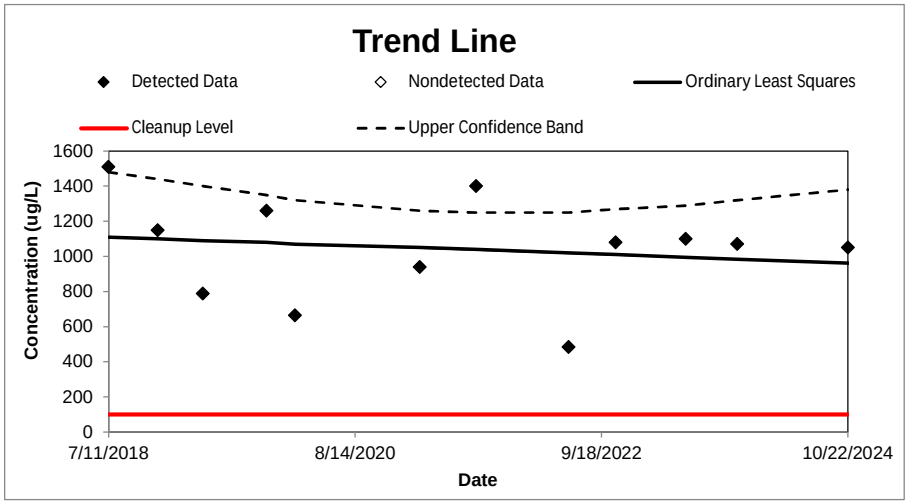
Previous Step: Trend Screen | Previous Step: UCL Screen | Restart: Data Input Screen

Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Normal Residuals

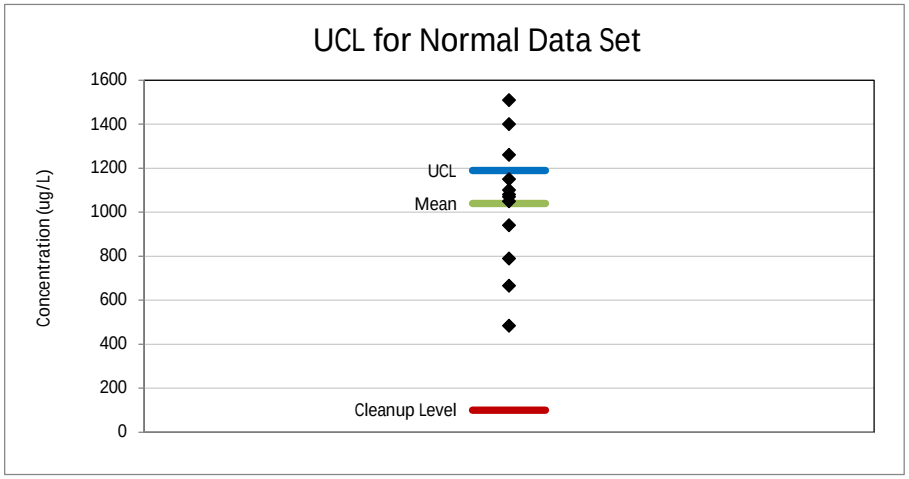
General Information

Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	PZ3
Chemical of Concern	Chromium
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	12
Outliers present?	No
Number of Non-Detects	0



Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	-0.0649
Intercept	3920
R^2	0.0285
Test Result	**No trend**
When concentration is predicted to achieve the cleanup level	**2/19/2061**
When concentration is predicted to exceed the cleanup level	**NA**



UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	1040
95% UCL	**1190**
Is the 95% UCL greater than the cleanup level?	**Yes**

Previous Step: Trend Screen

Previous Step: UCL Screen

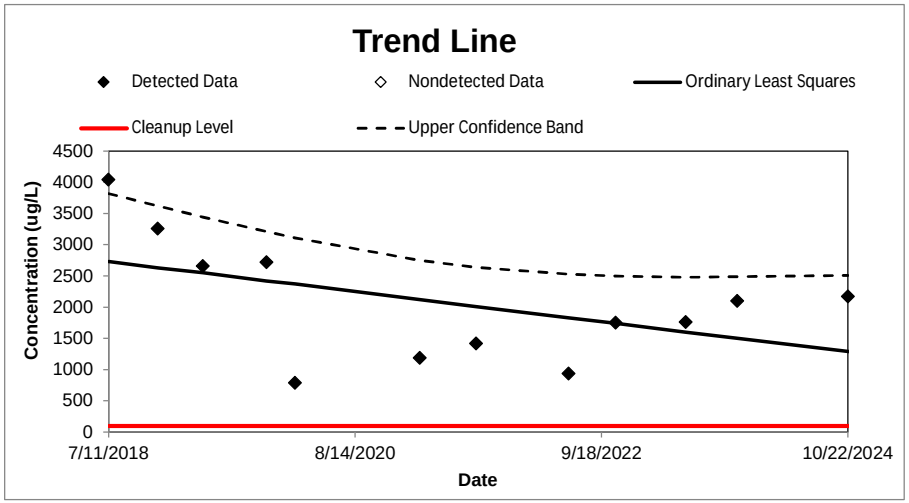
Restart: Data Input Screen

Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Normal Residuals

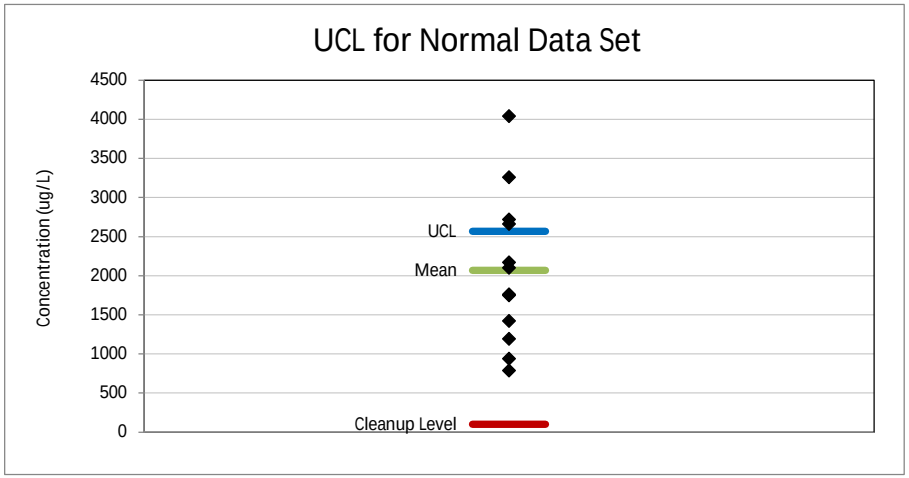
General Information

Analyst	MCM
Date of Evaluation	3/26/2018
Site Name	Test
Operable Unit	Test
Type of Evaluation	Attainment
Well Name/Number	PZ3
Chemical of Concern	Nickel
Concentration Units	ug/L
Cleanup Level	100
Source of Cleanup Level	NR140 ES
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	12
Outliers present?	No
Number of Non-Detects	0



Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	-0.629
Intercept	30000
R^2	0.2418
Test Result	**No trend**
When concentration is predicted to achieve the cleanup level	**12/22/2029**
When concentration is predicted to exceed the cleanup level	**NA**



UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	2070
95% UCL	**2570**
Is the 95% UCL greater than the cleanup level?	**Yes**

Previous Step: Trend Screen

Previous Step: UCL Screen

Restart: Data Input Screen

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

November 11, 2024

Ken Lassa
REI
4080 North 20th Avenue
Wausau, WI 54401

RE: Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

Dear Ken Lassa:

Enclosed are the analytical results for sample(s) received by the laboratory on October 24, 2024. 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 - Green Bay

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

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

CERTIFICATIONS

Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40286308001	**MW6**	Water	10/22/24 10:23	10/24/24 08:15
40286308002	**MW5**	Water	10/22/24 10:58	10/24/24 08:15
40286308003	**MW10**	Water	10/22/24 11:22	10/24/24 08:15
40286308004	**P23**	Water	10/22/24 11:48	10/24/24 08:15

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40286308001	**MW6**	EPA 6010D	SIS	2	PASI-G
40286308002	**MW5**	EPA 6010D	SIS	2	PASI-G
40286308003	**MW10**	EPA 6010D	SIS	2	PASI-G
40286308004	**P23**	EPA 6010D	SIS	2	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

Sample: MW6 **Lab ID: 40286308001** Collected: 10/22/24 10:23 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium, Dissolved	**4060**	ug/L	100	25.5	10	10/25/24 06:07	10/29/24 13:44	7440-47-3	
Nickel, Dissolved	**38400**	ug/L	100	26.2	10	10/25/24 06:07	10/29/24 13:44	7440-02-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

Sample: MW5 **Lab ID: 40286308002** Collected: 10/22/24 10:58 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium, Dissolved	**141**	ug/L	10.0	2.5	1	10/25/24 06:07	10/28/24 20:41	7440-47-3	
Nickel, Dissolved	**2510**	ug/L	100	26.2	10	10/25/24 06:07	10/28/24 20:34	7440-02-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

Sample: MW10 **Lab ID: 40286308003** Collected: 10/22/24 11:22 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium, Dissolved	**139**	ug/L	10.0	2.5	1	10/25/24 06:07	10/28/24 20:57	7440-47-3	
Nickel, Dissolved	**26.2**	ug/L	10.0	2.6	1	10/25/24 06:07	10/28/24 20:57	7440-02-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

Sample: P23 **Lab ID: 40286308004** Collected: 10/22/24 11:48 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium, Dissolved	**1050**	ug/L	10.0	2.5	1	10/25/24 06:07	10/28/24 20:59	7440-47-3	
Nickel, Dissolved	**2170**	ug/L	10.0	2.6	1	10/25/24 06:07	10/28/24 20:59	7440-02-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

QC Batch: 488330
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40286308001, 40286308002, 40286308003, 40286308004

METHOD BLANK: 2796611 Matrix: Water
Associated Lab Samples: 40286308001, 40286308002, 40286308003, 40286308004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Dissolved	ug/L	<2.5	10.0	10/28/24 20:30	
Nickel, Dissolved	ug/L	<2.6	10.0	10/28/24 20:30	

LABORATORY CONTROL SAMPLE: 2796612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Dissolved	ug/L	250	253	101	80-120	
Nickel, Dissolved	ug/L	250	264	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2796613 2796614

Parameter	Units	40286308002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Dissolved	ug/L	141	250	250	389	396	99	102	75-125	2	20	
Nickel, Dissolved	ug/L	2510	250	250	2790	2770	110	101	75-125	1	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

DEFINITIONS

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

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

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

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

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 40286308

[1] Revised due to lab error. Samples -001 and -002 were reported incorrectly due to lab labeling error. Revised report reflects corrected ID's and times.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6134B PHILLIPS PLATING CORP
Pace Project No.: 40286308

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40286308001	**MW6**	EPA 3010A	488330	EPA 6010D	488439
40286308002	**MW5**	EPA 3010A	488330	EPA 6010D	488439
40286308003	**MW10**	EPA 3010A	488330	EPA 6010D	488439
40286308004	**P23**	EPA 3010A	488330	EPA 6010D	488439

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40286308

ALL SHADED AREAS are for LAB USE ONLY

Company: REI Engineering, Inc.	Billing Information: REI
Address: 4080 N 20th Ave, Wausau, WI 54401	
Report To: Ken Lassa	Email To: KLassa@REIengineering.com
Copy To: Matthew C Michalski	Site Collection Info/Address: Phillips Plating Corp
Customer Project Name/Number: Phillips Plating Corp / 6134B	State: WI County/City: Price / Phillips Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: (715) 675-9784 Email: SAA	Site/Facility ID #: 02-51-559634 Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Matthew C Michalski	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Normal Immediately Packed on Ice: [X] Yes [ ] No
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) Field Filtered (if applicable): [X] Yes [ ] No Analysis: Metals

* 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)

Container Preservative Type **: 1 1

** 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 _____

Lab Project Manager:

Analyses: Nickel (Dissolved); Chromium, Total (Dissolved)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lab Sample # / Comments
MW7	GW	G	10/22/24	10:58				2	001
MW6	"	"	"	10:23				"	002
MW10	"	"	"	11:22				"	003
P23	"	"	"	11:48				"	004

Lab Sample Receipt Checklist:

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: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2881037

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: 1 oC

Cooler 1 Therm Corr. Factor: _____ oC

Cooler 1 Corrected Temp: _____ oC

Comments:

Relinquished by/Company: (Signature) REI	Date/Time: 10-23-24 15:15	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY
Relinquished by/Company: (Signature)	Date/Time: 10/24/24 0815	Received by/Company: (Signature) Susan K Wylie Pace	Date/Time: 10/24/24 0815	Table #: Acctnum: Template: Prelogin: PM: PB:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Sample Preservation Receipt Form

Client Name: REI

Project # 402816308

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A

Lab Lot# of pH paper: 10257933 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: REI Date/ Time:

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	Vials: VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001											2																				X		2.5 / 5
002											2																				X		2.5 / 5
003											2																				X		2.5 / 5
004											2																				X		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																													10/24/24			SCH	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	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40286308

40286308

Client Name: REI

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

Tracking #: 403010Z

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

Cooler Temperature Uncorr: 0.5 /Corr: 0.5

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

Person examining contents: Date: 10/24/24 /Initials: SCH

Labeled By Initials: MW

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 10/24/24	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑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: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☑No ☐N/A	12. 002 - ID is MW5, time 1058 001 - time 1023 10/24/24 SCH
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

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

November 21, 2024

Ken Lassa
REI
4080 North 20th Avenue
Wausau, WI 54401

RE: Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Dear Ken Lassa:

Enclosed are the analytical results for sample(s) received by the laboratory on October 24, 2024. 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

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

CERTIFICATIONS

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
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
DoD Certification via A2LA #: 2926.01
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
ISO/IEC 17025 Certification via A2LA #: 2926.01
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

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

SAMPLE SUMMARY

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40286313001	**MW6**	Water	10/22/24 09:15	10/24/24 08:15
40286313002	**PZ1**	Water	10/22/24 09:52	10/24/24 08:15
40286313003	**DUPLICATE**	Water	10/22/24 09:30	10/24/24 08:15
40286313004	**FB**	Water	10/22/24 10:00	10/24/24 08:15

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

SAMPLE ANALYTE COUNT

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40286313001	**MW6**	ENV-SOP-MIN4-0178	NBH	58	PASI-M
40286313002	**PZ1**	ENV-SOP-MIN4-0178	NBH	58	PASI-M
40286313003	**DUPLICATE**	ENV-SOP-MIN4-0178	NBH	58	PASI-M
40286313004	**FB**	ENV-SOP-MIN4-0178	NBH	58	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Sample: MW6 **Lab ID: 40286313001** Collected: 10/22/24 09:15 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.43**	ng/L	2.0	0.43	1	11/15/24 13:14	11/18/24 15:04	763051-92-9	
4:2 FTS	**18.8**	ng/L	2.0	0.38	1	11/15/24 13:14	11/18/24 15:04	757124-72-4	
6:2 FTS	**2850**	ng/L	199	59.8	100	11/15/24 13:14	11/19/24 14:39	27619-97-2	
8:2 FTS	**<0.83**	ng/L	2.0	0.83	1	11/15/24 13:14	11/18/24 15:04	39108-34-4	
9Cl-PF3ONS	**<0.37**	ng/L	1.9	0.37	1	11/15/24 13:14	11/18/24 15:04	756426-58-1	
ADONA	**<0.34**	ng/L	2.0	0.34	1	11/15/24 13:14	11/18/24 15:04	919005-14-4	
HFPO-DA	**<0.26**	ng/L	2.1	0.26	1	11/15/24 13:14	11/18/24 15:04	13252-13-6	
NEtFOSAA	**<0.59**	ng/L	2.1	0.59	1	11/15/24 13:14	11/18/24 15:04	2991-50-6	
NEtFOSA	**<0.48**	ng/L	2.1	0.48	1	11/15/24 13:14	11/18/24 15:04	4151-50-2	
NEtFOSE	**<0.63**	ng/L	2.1	0.63	1	11/15/24 13:14	11/18/24 15:04	1691-99-2	
NMeFOSAA	**<0.82**	ng/L	2.1	0.82	1	11/15/24 13:14	11/18/24 15:04	2355-31-9	
NMeFOSA	**<0.65**	ng/L	2.1	0.65	1	11/15/24 13:14	11/18/24 15:04	31506-32-8	
NMeFOSE	**<0.50**	ng/L	2.1	0.50	1	11/15/24 13:14	11/18/24 15:04	24448-09-7	
PFBS	**123**	ng/L	1.9	0.21	1	11/15/24 13:14	11/18/24 15:04	375-73-5	
PFDA	**<0.26**	ng/L	2.1	0.26	1	11/15/24 13:14	11/18/24 15:04	335-76-2	
PFHxA	**121**	ng/L	2.1	0.40	1	11/15/24 13:14	11/18/24 15:04	307-24-4	
PFBA	**51.7**	ng/L	2.1	0.29	1	11/15/24 13:14	11/18/24 15:04	375-22-4	
PFDS	**<0.59**	ng/L	2.0	0.59	1	11/15/24 13:14	11/18/24 15:04	335-77-3	
PFDoS	**<0.56**	ng/L	2.0	0.56	1	11/15/24 13:14	11/18/24 15:04	79780-39-5	
PFHpS	**57.3**	ng/L	2.0	0.66	1	11/15/24 13:14	11/18/24 15:04	375-92-8	
PFNS	**2.0J**	ng/L	2.0	0.50	1	11/15/24 13:14	11/18/24 15:04	68259-12-1	
PFOSA	**<0.42**	ng/L	2.1	0.42	1	11/15/24 13:14	11/18/24 15:04	754-91-6	
PFPeA	**116**	ng/L	2.1	0.19	1	11/15/24 13:14	11/18/24 15:04	2706-90-3	
PFPeS	**0.83J**	ng/L	2.0	0.27	1	11/15/24 13:14	11/18/24 15:04	2706-91-4	
PFDoA	**<0.45**	ng/L	2.1	0.45	1	11/15/24 13:14	11/18/24 15:04	307-55-1	
PFHpA	**23.3**	ng/L	2.1	0.25	1	11/15/24 13:14	11/18/24 15:04	375-85-9	
PFHxS	**22.7**	ng/L	1.9	0.25	1	11/15/24 13:14	11/18/24 15:04	355-46-4	
PFNA	**<0.22**	ng/L	2.1	0.22	1	11/15/24 13:14	11/18/24 15:04	375-95-1	
PFOS	**2310**	ng/L	194	53.4	100	11/15/24 13:14	11/19/24 14:39	1763-23-1	
PFOA	**62.2**	ng/L	2.1	0.28	1	11/15/24 13:14	11/18/24 15:04	335-67-1	
PFTeDA	**<0.38**	ng/L	2.1	0.38	1	11/15/24 13:14	11/18/24 15:04	376-06-7	
PFTrDA	**<0.30**	ng/L	2.1	0.30	1	11/15/24 13:14	11/18/24 15:04	72629-94-8	
PFUnA	**<0.67**	ng/L	2.1	0.67	1	11/15/24 13:14	11/18/24 15:04	2058-94-8	
Surrogates									
13C4-PFBA (S)	42	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C5-PFPeA (S)	52	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C3-PFBS (S)	66	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C24:2FTS (S)	67	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C3HFPO-DA (S)	70	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C4-PFHpA (S)	75	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C3-PFHxS (S)	78	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C26:2FTS (S)	19	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		S0
13C8-PFOA (S)	31	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C8-PFOS (S)	58	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C9-PFNA (S)	45	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Sample: MW6 **Lab ID: 40286313001** Collected: 10/22/24 09:15 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	85	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C28:2FTS (S)	106	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
d3-MeFOSAA (S)	66	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C7-PFUdA (S)	82	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C8-PFOSA (S)	76	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
d5-EtFOSAA (S)	65	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C2-PFDoA (S)	75	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
d3-NMeFOSA (S)	28	%.	10-150		1	11/15/24 13:14	11/18/24 15:04		
d7-NMeFOSE (S)	58	%.	10-150		1	11/15/24 13:14	11/18/24 15:04		
13C2-PFTA (S)	67	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
d9-NEtFOSE (S)	61	%.	10-150		1	11/15/24 13:14	11/18/24 15:04		
d5-NEtFOSA (S)	24	%.	10-150		1	11/15/24 13:14	11/18/24 15:04		
13C2PFHxDA (S)	62	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		
13C5-PFHxA (S)	69	%.	25-150		1	11/15/24 13:14	11/18/24 15:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Sample: PZ1 **Lab ID: 40286313002** Collected: 10/22/24 09:52 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.43**	ng/L	2.0	0.43	1	11/15/24 13:14	11/18/24 15:11	763051-92-9	
4:2 FTS	**1.8J**	ng/L	2.0	0.38	1	11/15/24 13:14	11/18/24 15:11	757124-72-4	
6:2 FTS	**85.2**	ng/L	2.0	0.60	1	11/15/24 13:14	11/18/24 15:11	27619-97-2	
8:2 FTS	**<0.83**	ng/L	2.0	0.83	1	11/15/24 13:14	11/18/24 15:11	39108-34-4	
9Cl-PF3ONS	**<0.37**	ng/L	2.0	0.37	1	11/15/24 13:14	11/18/24 15:11	756426-58-1	
ADONA	**<0.34**	ng/L	2.0	0.34	1	11/15/24 13:14	11/18/24 15:11	919005-14-4	
HFPO-DA	**<0.26**	ng/L	2.1	0.26	1	11/15/24 13:14	11/18/24 15:11	13252-13-6	
NEtFOSAA	**<0.60**	ng/L	2.1	0.60	1	11/15/24 13:14	11/18/24 15:11	2991-50-6	
NEtFOSA	**<0.48**	ng/L	2.1	0.48	1	11/15/24 13:14	11/18/24 15:11	4151-50-2	
NEtFOSE	**<0.63**	ng/L	2.1	0.63	1	11/15/24 13:14	11/18/24 15:11	1691-99-2	
NMeFOSAA	**<0.82**	ng/L	2.1	0.82	1	11/15/24 13:14	11/18/24 15:11	2355-31-9	
NMeFOSA	**<0.66**	ng/L	2.1	0.66	1	11/15/24 13:14	11/18/24 15:11	31506-32-8	
NMeFOSE	**<0.51**	ng/L	2.1	0.51	1	11/15/24 13:14	11/18/24 15:11	24448-09-7	
PFBS	**5360**	ng/L	186	21.3	100	11/15/24 13:14	11/19/24 15:01	375-73-5	
PFDA	**<0.26**	ng/L	2.1	0.26	1	11/15/24 13:14	11/18/24 15:11	335-76-2	
PFHxA	**14.8**	ng/L	2.1	0.40	1	11/15/24 13:14	11/18/24 15:11	307-24-4	
PFBA	**16.0**	ng/L	2.1	0.29	1	11/15/24 13:14	11/18/24 15:11	375-22-4	
PFDS	**<0.60**	ng/L	2.0	0.60	1	11/15/24 13:14	11/18/24 15:11	335-77-3	
PFDoS	**<0.56**	ng/L	2.0	0.56	1	11/15/24 13:14	11/18/24 15:11	79780-39-5	
PFHpS	**40.7**	ng/L	2.0	0.66	1	11/15/24 13:14	11/18/24 15:11	375-92-8	
PFNS	**<0.50**	ng/L	2.0	0.50	1	11/15/24 13:14	11/18/24 15:11	68259-12-1	
PFOSA	**<0.42**	ng/L	2.1	0.42	1	11/15/24 13:14	11/18/24 15:11	754-91-6	
PFPeA	**17.2**	ng/L	2.1	0.19	1	11/15/24 13:14	11/18/24 15:11	2706-90-3	
PFPeS	**1.8J**	ng/L	2.0	0.27	1	11/15/24 13:14	11/18/24 15:11	2706-91-4	
PFDoA	**<0.45**	ng/L	2.1	0.45	1	11/15/24 13:14	11/18/24 15:11	307-55-1	
PFHpA	**4.0**	ng/L	2.1	0.25	1	11/15/24 13:14	11/18/24 15:11	375-85-9	
PFHxS	**34.8**	ng/L	1.9	0.25	1	11/15/24 13:14	11/18/24 15:11	355-46-4	
PFNA	**<0.22**	ng/L	2.1	0.22	1	11/15/24 13:14	11/18/24 15:11	375-95-1	
PFOS	**2830**	ng/L	194	53.6	100	11/15/24 13:14	11/19/24 15:01	1763-23-1	
PFOA	**22.5**	ng/L	2.1	0.28	1	11/15/24 13:14	11/18/24 15:11	335-67-1	
PFTeDA	**<0.38**	ng/L	2.1	0.38	1	11/15/24 13:14	11/18/24 15:11	376-06-7	
PFTrDA	**<0.30**	ng/L	2.1	0.30	1	11/15/24 13:14	11/18/24 15:11	72629-94-8	
PFUnA	**<0.67**	ng/L	2.1	0.67	1	11/15/24 13:14	11/18/24 15:11	2058-94-8	
Surrogates									
13C4-PFBA (S)	62	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C5-PFPeA (S)	60	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C3-PFBS (S)	38	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C24:2FTS (S)	57	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C3HFPO-DA (S)	76	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C4-PFHpA (S)	81	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C3-PFHxS (S)	81	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C26:2FTS (S)	19	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		S0
13C8-PFOA (S)	39	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C8-PFOS (S)	68	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C9-PFNA (S)	58	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Sample: PZ1 **Lab ID: 40286313002** Collected: 10/22/24 09:52 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	85	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C28:2FTS (S)	103	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
d3-MeFOSAA (S)	74	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C7-PFUdA (S)	87	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C8-PFOSA (S)	78	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
d5-EtFOSAA (S)	74	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C2-PFDoA (S)	82	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
d3-NMeFOSA (S)	54	%.	10-150		1	11/15/24 13:14	11/18/24 15:11		
d7-NMeFOSE (S)	66	%.	10-150		1	11/15/24 13:14	11/18/24 15:11		
13C2-PFTA (S)	76	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
d9-NEtFOSE (S)	69	%.	10-150		1	11/15/24 13:14	11/18/24 15:11		
d5-NEtFOSA (S)	51	%.	10-150		1	11/15/24 13:14	11/18/24 15:11		
13C2PFHxDA (S)	65	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		
13C5-PFHxA (S)	83	%.	25-150		1	11/15/24 13:14	11/18/24 15:11		

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Sample: DUPLICATE **Lab ID: 40286313003** Collected: 10/22/24 09:30 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.43**	ng/L	2.0	0.43	1	11/15/24 13:14	11/18/24 15:18	763051-92-9	
4:2 FTS	**18.7**	ng/L	2.0	0.38	1	11/15/24 13:14	11/18/24 15:18	757124-72-4	
6:2 FTS	**2110**	ng/L	200	60.1	100	11/15/24 13:14	11/19/24 15:08	27619-97-2	
8:2 FTS	**<0.83**	ng/L	2.0	0.83	1	11/15/24 13:14	11/18/24 15:18	39108-34-4	
9Cl-PF3ONS	**<0.37**	ng/L	2.0	0.37	1	11/15/24 13:14	11/18/24 15:18	756426-58-1	
ADONA	**<0.34**	ng/L	2.0	0.34	1	11/15/24 13:14	11/18/24 15:18	919005-14-4	
HFPO-DA	**<0.27**	ng/L	2.1	0.27	1	11/15/24 13:14	11/18/24 15:18	13252-13-6	
NEtFOSAA	**<0.60**	ng/L	2.1	0.60	1	11/15/24 13:14	11/18/24 15:18	2991-50-6	
NEtFOSA	**<0.48**	ng/L	2.1	0.48	1	11/15/24 13:14	11/18/24 15:18	4151-50-2	
NEtFOSE	**<0.63**	ng/L	2.1	0.63	1	11/15/24 13:14	11/18/24 15:18	1691-99-2	
NMeFOSAA	**<0.82**	ng/L	2.1	0.82	1	11/15/24 13:14	11/18/24 15:18	2355-31-9	
NMeFOSA	**<0.66**	ng/L	2.1	0.66	1	11/15/24 13:14	11/18/24 15:18	31506-32-8	
NMeFOSE	**<0.51**	ng/L	2.1	0.51	1	11/15/24 13:14	11/18/24 15:18	24448-09-7	
PFBS	**123**	ng/L	1.9	0.21	1	11/15/24 13:14	11/18/24 15:18	375-73-5	
PFDA	**<0.26**	ng/L	2.1	0.26	1	11/15/24 13:14	11/18/24 15:18	335-76-2	
PFHxA	**118**	ng/L	2.1	0.40	1	11/15/24 13:14	11/18/24 15:18	307-24-4	
PFBA	**50.4**	ng/L	2.1	0.29	1	11/15/24 13:14	11/18/24 15:18	375-22-4	
PFDS	**<0.60**	ng/L	2.0	0.60	1	11/15/24 13:14	11/18/24 15:18	335-77-3	
PFDoS	**<0.56**	ng/L	2.0	0.56	1	11/15/24 13:14	11/18/24 15:18	79780-39-5	
PFHpS	**59.0**	ng/L	2.0	0.66	1	11/15/24 13:14	11/18/24 15:18	375-92-8	
PFNS	**2.5**	ng/L	2.0	0.50	1	11/15/24 13:14	11/18/24 15:18	68259-12-1	
PFOSA	**<0.42**	ng/L	2.1	0.42	1	11/15/24 13:14	11/18/24 15:18	754-91-6	
PFPeA	**117**	ng/L	2.1	0.19	1	11/15/24 13:14	11/18/24 15:18	2706-90-3	
PFPeS	**0.84J**	ng/L	2.0	0.27	1	11/15/24 13:14	11/18/24 15:18	2706-91-4	
PFDoA	**<0.45**	ng/L	2.1	0.45	1	11/15/24 13:14	11/18/24 15:18	307-55-1	
PFHpA	**23.2**	ng/L	2.1	0.25	1	11/15/24 13:14	11/18/24 15:18	375-85-9	
PFHxS	**22.7**	ng/L	1.9	0.25	1	11/15/24 13:14	11/18/24 15:18	355-46-4	
PFNA	**<0.22**	ng/L	2.1	0.22	1	11/15/24 13:14	11/18/24 15:18	375-95-1	
PFOS	**3010**	ng/L	195	53.7	100	11/15/24 13:14	11/19/24 15:08	1763-23-1	
PFOA	**58.6**	ng/L	2.1	0.28	1	11/15/24 13:14	11/18/24 15:18	335-67-1	
PFTeDA	**<0.38**	ng/L	2.1	0.38	1	11/15/24 13:14	11/18/24 15:18	376-06-7	
PFTrDA	**<0.30**	ng/L	2.1	0.30	1	11/15/24 13:14	11/18/24 15:18	72629-94-8	
PFUnA	**<0.67**	ng/L	2.1	0.67	1	11/15/24 13:14	11/18/24 15:18	2058-94-8	
Surrogates									
13C4-PFBA (S)	37	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C5-PFPeA (S)	47	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C3-PFBS (S)	63	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C24:2FTS (S)	65	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C3HFPO-DA (S)	62	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C4-PFHpA (S)	69	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C3-PFHxS (S)	74	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C26:2FTS (S)	22	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		S0
13C8-PFOA (S)	30	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C8-PFOS (S)	57	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C9-PFNA (S)	42	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Sample: DUPLICATE **Lab ID: 40286313003** Collected: 10/22/24 09:30 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	79	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C28:2FTS (S)	103	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
d3-MeFOSAA (S)	60	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C7-PFUdA (S)	80	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C8-PFOSA (S)	74	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
d5-EtFOSAA (S)	61	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C2-PFDoA (S)	74	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
d3-NMeFOSA (S)	52	%.	10-150		1	11/15/24 13:14	11/18/24 15:18		
d7-NMeFOSE (S)	60	%.	10-150		1	11/15/24 13:14	11/18/24 15:18		
13C2-PFTA (S)	72	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
d9-NEtFOSE (S)	68	%.	10-150		1	11/15/24 13:14	11/18/24 15:18		
d5-NEtFOSA (S)	52	%.	10-150		1	11/15/24 13:14	11/18/24 15:18		
13C2PFHxDA (S)	72	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		
13C5-PFHxA (S)	67	%.	25-150		1	11/15/24 13:14	11/18/24 15:18		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Sample: FB **Lab ID: 40286313004** Collected: 10/22/24 10:00 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.43**	ng/L	2.0	0.43	1	11/15/24 13:14	11/18/24 15:26	763051-92-9	
4:2 FTS	**<0.39**	ng/L	2.0	0.39	1	11/15/24 13:14	11/18/24 15:26	757124-72-4	
6:2 FTS	**<0.61**	ng/L	2.0	0.61	1	11/15/24 13:14	11/18/24 15:26	27619-97-2	
8:2 FTS	**<0.84**	ng/L	2.1	0.84	1	11/15/24 13:14	11/18/24 15:26	39108-34-4	
9Cl-PF3ONS	**<0.38**	ng/L	2.0	0.38	1	11/15/24 13:14	11/18/24 15:26	756426-58-1	
ADONA	**<0.34**	ng/L	2.0	0.34	1	11/15/24 13:14	11/18/24 15:26	919005-14-4	
HFPO-DA	**<0.27**	ng/L	2.1	0.27	1	11/15/24 13:14	11/18/24 15:26	13252-13-6	
NEtFOSAA	**<0.61**	ng/L	2.1	0.61	1	11/15/24 13:14	11/18/24 15:26	2991-50-6	
NEtFOSA	**<0.49**	ng/L	2.1	0.49	1	11/15/24 13:14	11/18/24 15:26	4151-50-2	
NEtFOSE	**<0.64**	ng/L	2.1	0.64	1	11/15/24 13:14	11/18/24 15:26	1691-99-2	
NMeFOSAA	**<0.83**	ng/L	2.1	0.83	1	11/15/24 13:14	11/18/24 15:26	2355-31-9	
NMeFOSA	**<0.67**	ng/L	2.1	0.67	1	11/15/24 13:14	11/18/24 15:26	31506-32-8	
NMeFOSE	**<0.51**	ng/L	2.1	0.51	1	11/15/24 13:14	11/18/24 15:26	24448-09-7	
PFBS	**<0.22**	ng/L	1.9	0.22	1	11/15/24 13:14	11/18/24 15:26	375-73-5	
PFDA	**<0.27**	ng/L	2.1	0.27	1	11/15/24 13:14	11/18/24 15:26	335-76-2	
PFHxA	**<0.40**	ng/L	2.1	0.40	1	11/15/24 13:14	11/18/24 15:26	307-24-4	
PFBA	**<0.30**	ng/L	2.1	0.30	1	11/15/24 13:14	11/18/24 15:26	375-22-4	
PFDS	**<0.61**	ng/L	2.1	0.61	1	11/15/24 13:14	11/18/24 15:26	335-77-3	
PFDoS	**<0.57**	ng/L	2.1	0.57	1	11/15/24 13:14	11/18/24 15:26	79780-39-5	
PFHpS	**<0.67**	ng/L	2.0	0.67	1	11/15/24 13:14	11/18/24 15:26	375-92-8	
PFNS	**<0.51**	ng/L	2.1	0.51	1	11/15/24 13:14	11/18/24 15:26	68259-12-1	
PFOSA	**<0.43**	ng/L	2.1	0.43	1	11/15/24 13:14	11/18/24 15:26	754-91-6	
PFPeA	**<0.20**	ng/L	2.1	0.20	1	11/15/24 13:14	11/18/24 15:26	2706-90-3	
PFPeS	**<0.27**	ng/L	2.0	0.27	1	11/15/24 13:14	11/18/24 15:26	2706-91-4	
PFDoA	**<0.46**	ng/L	2.1	0.46	1	11/15/24 13:14	11/18/24 15:26	307-55-1	
PFHpA	**<0.25**	ng/L	2.1	0.25	1	11/15/24 13:14	11/18/24 15:26	375-85-9	
PFHxS	**<0.25**	ng/L	1.9	0.25	1	11/15/24 13:14	11/18/24 15:26	355-46-4	
PFNA	**<0.22**	ng/L	2.1	0.22	1	11/15/24 13:14	11/18/24 15:26	375-95-1	
PFOS	**1.2J**	ng/L	2.0	0.54	1	11/15/24 13:14	11/18/24 15:26	1763-23-1	
PFOA	**<0.29**	ng/L	2.1	0.29	1	11/15/24 13:14	11/18/24 15:26	335-67-1	
PFTeDA	**<0.39**	ng/L	2.1	0.39	1	11/15/24 13:14	11/18/24 15:26	376-06-7	
PFTrDA	**<0.30**	ng/L	2.1	0.30	1	11/15/24 13:14	11/18/24 15:26	72629-94-8	
PFUnA	**<0.68**	ng/L	2.1	0.68	1	11/15/24 13:14	11/18/24 15:26	2058-94-8	
Surrogates									
13C4-PFBA (S)	80	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C5-PFPeA (S)	83	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C3-PFBS (S)	85	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C24:2FTS (S)	50	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C3HFPO-DA (S)	84	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C4-PFHpA (S)	80	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C3-PFHxS (S)	83	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C26:2FTS (S)	51	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C8-PFOA (S)	79	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C8-PFOS (S)	84	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C9-PFNA (S)	75	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Sample: FB **Lab ID: 40286313004** Collected: 10/22/24 10:00 Received: 10/24/24 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	80	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C28:2FTS (S)	130	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
d3-MeFOSAA (S)	65	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C7-PFUdA (S)	78	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C8-PFOSA (S)	80	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
d5-EtFOSAA (S)	69	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C2-PFDoA (S)	72	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
d3-NMeFOSA (S)	57	%.	10-150		1	11/15/24 13:14	11/18/24 15:26		
d7-NMeFOSE (S)	70	%.	10-150		1	11/15/24 13:14	11/18/24 15:26		
13C2-PFTA (S)	67	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
d9-NEtFOSE (S)	68	%.	10-150		1	11/15/24 13:14	11/18/24 15:26		
d5-NEtFOSA (S)	58	%.	10-150		1	11/15/24 13:14	11/18/24 15:26		
13C2PFHxDA (S)	57	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		
13C5-PFHxA (S)	85	%.	25-150		1	11/15/24 13:14	11/18/24 15:26		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

QC Batch: 979453 | Analysis Method: ENV-SOP-MIN4-0178
QC Batch Method: ENV-SOP-MIN4-0178 | Analysis Description: WI ID NPW
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 40286313001, 40286313002, 40286313003, 40286313004

METHOD BLANK: 5117533 Matrix: Water
Associated Lab Samples: 40286313001, 40286313002, 40286313003, 40286313004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11Cl-PF3OUdS	ng/L	<0.41	1.9	11/18/24 14:28	
4:2 FTS	ng/L	<0.36	1.9	11/18/24 14:28	
6:2 FTS	ng/L	<0.57	1.9	11/18/24 14:28	
8:2 FTS	ng/L	<0.79	1.9	11/18/24 14:28	
9Cl-PF3ONS	ng/L	<0.35	1.9	11/18/24 14:28	
ADONA	ng/L	<0.32	1.9	11/18/24 14:28	
HFPO-DA	ng/L	<0.25	2.0	11/18/24 14:28	
NEtFOSA	ng/L	<0.46	2.0	11/18/24 14:28	
NEtFOSAA	ng/L	<0.57	2.0	11/18/24 14:28	
NEtFOSE	ng/L	<0.60	2.0	11/18/24 14:28	
NMeFOSA	ng/L	<0.63	2.0	11/18/24 14:28	
NMeFOSAA	ng/L	<0.78	2.0	11/18/24 14:28	
NMeFOSE	ng/L	<0.48	2.0	11/18/24 14:28	
PFBA	ng/L	<0.28	2.0	11/18/24 14:28	
PFBS	ng/L	<0.20	1.8	11/18/24 14:28	
PFDA	ng/L	<0.25	2.0	11/18/24 14:28	
PFDoA	ng/L	<0.43	2.0	11/18/24 14:28	
PFDoS	ng/L	<0.53	1.9	11/18/24 14:28	
PFDS	ng/L	<0.57	1.9	11/18/24 14:28	
PFHpA	ng/L	<0.24	2.0	11/18/24 14:28	
PFHpS	ng/L	<0.63	1.9	11/18/24 14:28	
PFHxA	ng/L	<0.38	2.0	11/18/24 14:28	
PFHxS	ng/L	<0.23	1.8	11/18/24 14:28	
PFNA	ng/L	<0.21	2.0	11/18/24 14:28	
PFNS	ng/L	<0.47	1.9	11/18/24 14:28	
PFOA	ng/L	<0.27	2.0	11/18/24 14:28	
PFOS	ng/L	<0.51	1.9	11/18/24 14:28	
PFOSA	ng/L	<0.40	2.0	11/18/24 14:28	
PFPeA	ng/L	<0.18	2.0	11/18/24 14:28	
PFPeS	ng/L	<0.26	1.9	11/18/24 14:28	
PFTeDA	ng/L	<0.36	2.0	11/18/24 14:28	
PFTrDA	ng/L	<0.28	2.0	11/18/24 14:28	
PFUnA	ng/L	<0.64	2.0	11/18/24 14:28	
13C2-PFDoA (S)	%.	79	25-150	11/18/24 14:28	
13C2-PFTA (S)	%.	73	25-150	11/18/24 14:28	
13C24:2FTS (S)	%.	84	25-150	11/18/24 14:28	
13C26:2FTS (S)	%.	72	25-150	11/18/24 14:28	
13C28:2FTS (S)	%.	99	25-150	11/18/24 14:28	
13C2PFHxDA (S)	%.	58	25-150	11/18/24 14:28	
13C3-PFBS (S)	%.	88	25-150	11/18/24 14:28	

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

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

QUALITY CONTROL DATA

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

METHOD BLANK: 5117533 Matrix: Water
Associated Lab Samples: 40286313001, 40286313002, 40286313003, 40286313004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C3-PFHxS (S)	%.	83	25-150	11/18/24 14:28	
13C3HFPO-DA (S)	%.	83	25-150	11/18/24 14:28	
13C4-PFBA (S)	%.	84	25-150	11/18/24 14:28	
13C4-PFHpA (S)	%.	86	25-150	11/18/24 14:28	
13C5-PFHxA (S)	%.	86	25-150	11/18/24 14:28	
13C5-PFPeA (S)	%.	88	25-150	11/18/24 14:28	
13C6-PFDA (S)	%.	86	25-150	11/18/24 14:28	
13C7-PFUdA (S)	%.	80	25-150	11/18/24 14:28	
13C8-PFOA (S)	%.	85	25-150	11/18/24 14:28	
13C8-PFOS (S)	%.	89	25-150	11/18/24 14:28	
13C8-PFOSA (S)	%.	82	25-150	11/18/24 14:28	
13C9-PFNA (S)	%.	84	25-150	11/18/24 14:28	
d3-MeFOSAA (S)	%.	81	25-150	11/18/24 14:28	
d3-NMeFOSA (S)	%.	56	20-150	11/18/24 14:28	
d5-EtFOSAA (S)	%.	79	25-150	11/18/24 14:28	
d5-NEtFOSA (S)	%.	58	20-150	11/18/24 14:28	
d7-NMeFOSE (S)	%.	73	20-150	11/18/24 14:28	
d9-NEtFOSE (S)	%.	72	20-150	11/18/24 14:28	

LABORATORY CONTROL SAMPLE & LCSD: 5117534 5117535

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
11Cl-PF3OUdS	ng/L	3.8	3.6	3.2	96	84	50-150	12	30	
4:2 FTS	ng/L	3.8	3.9	3.6	104	95	50-150	9	30	
6:2 FTS	ng/L	3.8	3.4	4.1	90	105	50-150	17	30	
8:2 FTS	ng/L	3.9	3.7	3.2	96	83	50-150	15	30	
9Cl-PF3ONS	ng/L	3.8	4.0	3.6	105	95	50-150	9	30	
ADONA	ng/L	3.8	3.6	3.4	95	90	50-150	5	30	
HFPO-DA	ng/L	4	4.2	3.9	104	97	50-150	6	30	
NEtFOSA	ng/L	4	4.3	4.0	107	100	50-150	6	30	
NEtFOSAA	ng/L	4	4.2	4.4	105	108	50-150	3	30	
NEtFOSE	ng/L	4	4.1	3.9	102	95	50-150	6	30	
NMeFOSA	ng/L	4	3.5	3.8	88	94	50-150	8	30	
NMeFOSAA	ng/L	4	4.4	4.2	110	104	50-150	5	30	
NMeFOSE	ng/L	4	4.4	4.2	108	104	50-150	3	30	
PFBA	ng/L	4	4.0	3.7	99	92	50-150	7	30	
PFBS	ng/L	3.6	3.6	3.4	102	96	50-150	6	30	
PFDA	ng/L	4	4.2	4.0	105	98	50-150	6	30	
PFDoA	ng/L	4	4.0	3.6	100	89	50-150	11	30	
PFDoS	ng/L	3.9	3.7	2.8	95	70	50-150	29	30	
PFDS	ng/L	3.9	3.7	3.4	96	86	50-150	10	30	
PFHpA	ng/L	4	3.9	3.7	97	91	50-150	6	30	
PFHpS	ng/L	3.8	4.1	4.4	107	113	50-150	6	30	
PFHxA	ng/L	4	4.0	3.8	99	94	50-150	5	30	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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QUALITY CONTROL DATA

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

LABORATORY CONTROL SAMPLE & LCSD: 5117534 5117535

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PFHxS	ng/L	3.7	3.6	3.6	98	96	50-150	1	30	
PFNA	ng/L	4	4.0	4.0	99	98	50-150	0	30	
PFNS	ng/L	3.9	3.6	4.1	92	106	50-150	14	30	
PFOA	ng/L	4	4.2	3.9	104	95	50-150	8	30	
PFOS	ng/L	3.7	3.9	3.8	105	101	50-150	3	30	
PFOSA	ng/L	4	3.6	3.7	90	92	50-150	2	30	
PFPeA	ng/L	4	4.1	3.9	101	97	50-150	4	30	
PFPeS	ng/L	3.8	4.0	3.5	106	92	50-150	14	30	
PFTeDA	ng/L	4	3.8	3.8	96	95	50-150	0	30	
PFTrDA	ng/L	4	4.1	3.6	101	88	50-150	13	30	
PFUnA	ng/L	4	4.0	3.5	99	87	50-150	12	30	
13C2-PFDoA (S)	%.				72	79	25-150			
13C2-PFTA (S)	%.				67	67	25-150			
13C24:2FTS (S)	%.				60	82	25-150			
13C26:2FTS (S)	%.				64	73	25-150			
13C28:2FTS (S)	%.				68	101	25-150			
13C2PFHxDA (S)	%.				56	54	25-150			
13C3-PFBS (S)	%.				85	88	25-150			
13C3-PFHxS (S)	%.				78	84	25-150			
13C3HFPO-DA (S)	%.				81	83	25-150			
13C4-PFBA (S)	%.				80	84	25-150			
13C4-PFHpA (S)	%.				79	86	25-150			
13C5-PFHxA (S)	%.				82	87	25-150			
13C5-PFPeA (S)	%.				84	89	25-150			
13C6-PFDA (S)	%.				78	84	25-150			
13C7-PFUdA (S)	%.				79	84	25-150			
13C8-PFOA (S)	%.				78	84	25-150			
13C8-PFOS (S)	%.				78	83	25-150			
13C8-PFOSA (S)	%.				78	82	25-150			
13C9-PFNA (S)	%.				76	78	25-150			
d3-MeFOSAA (S)	%.				62	74	25-150			
d3-NMeFOSA (S)	%.				52	62	20-150			
d5-EtFOSAA (S)	%.				67	76	25-150			
d5-NEtFOSA (S)	%.				51	61	20-150			
d7-NMeFOSE (S)	%.				68	74	20-150			
d9-NEtFOSE (S)	%.				69	75	20-150			

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

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

QUALIFIERS

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

DEFINITIONS

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

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

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

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

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

S0 Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6134B/PHILLIPS PLATING CORP
Pace Project No.: 40286313

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40286313001	**MW6**	ENV-SOP-MIN4-0178	979453	ENV-SOP-MIN4-0178	980494
40286313002	**PZ1**	ENV-SOP-MIN4-0178	979453	ENV-SOP-MIN4-0178	980494
40286313003	**DUPLICATE**	ENV-SOP-MIN4-0178	979453	ENV-SOP-MIN4-0178	980494
40286313004	**FB**	ENV-SOP-MIN4-0178	979453	ENV-SOP-MIN4-0178	980494

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40286313

ALL SHADED AREAS are for LAB USE ONLY

Company: REI Engineering Inc	Billing Information: REI
Address: 4080 N 20th Ave, Wausau, WI 54401	
Report To: Ken Lassa	Email To: KLassa@REIengineering.com
Copy To: Matthew Michalski	Site Collection Info/Address: Phillips Plating Corp
Customer Project Name/Number: Phillips Plating Corp / 61348	State: WI / County/City: Price/Phillips / Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: (215) 625-5784 Email: SAA	Site/Facility ID #: 02-51-559634 / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Matthew C Michals	Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: Normal / Immediately Packed on Ice: [X] Yes [ ] No
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) / Field Filtered (if applicable): [ ] Yes [X] No / 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)

Container Preservative Type **: U

** 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 _____

Lab Project Manager:

Analyses: PFAS (WI 33 List)

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collection 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: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lab Sample # / Comments
MW6	GW	G	10/22/24	9:15				2	001
P21				9:52					002
Duplicate				9:50					003
FB				10:00					004

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2881036 (1)

Samples received via: FEDEX UPS Client Courier Pace Courier

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:

	Date/Time		Date/Time
Relinquished by/Company: (Signature) REI	10/23/2024 15:15	Received by/Company: (Signature)	
Relinquished by/Company: (Signature) Walco	10/24/24 0815	Received by/Company: (Signature) Pace	10/24/24 0815
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Client Name: REI

Sample Preservation Receipt Form

Project # 402810313

All containers needing preservation have been checked and noted below: ☐Yes ☐No ☒N/A

Lab Lot# of pH paper:

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

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	Vials: VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001									2																									2.5 / 5
002									2																									2.5 / 5
003									2																									2.5 / 5
004									2																									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																													10/24/24					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
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial 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				

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40286313

40286313

Client Name: RET

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

Tracking #: 4030102

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 cardboard 10/24/24 SKW

Thermometer Used SR - 136 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 1.0 /Corr: 1.0

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

Person examining contents: Date: 10/24/24 /Initials: SKW

Labeled By Initials: MMC

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: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
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: -Includes date/time/ID/Analysis Matrix: W	☒Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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