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June 24, 2022

Kevin McKnight
Hydrogeologist/Project Manager
Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
Oshkosh Service Center
625 E Cth Y, Suite 700
Oshkosh, WI 54901

[sent electronically]

Re: Groundwater Monitoring Results Submittal
Tecumseh Products Co – New Holstein, 1604 Michigan Ave, New Holstein
BRRTS 02-08-363333

Dear Mr. McKnight:

This letter documents results from the post-remediation groundwater sampling event from the former plating areas in accordance with the WDNR request included in the August 13, 2021, *Remedial Action Plan* (RAP) approval and associated Infiltration/Injection Temporary Exemption (July 2, 2021). Attachments to this letter include a Site figure showing the groundwater sampling locations, summary tables of field parameters and of the analytical results, and the analytical laboratory report.

On April 27, 2021, TRC (on behalf of Tecumseh Products Company LLC [Tecumseh]) submitted the RAP to WDNR. As part of WDNR's July 2, 2021, RAP approval and as reiterated in the August 13, 2021, WDNR response to Tecumseh's questions regarding the RAP approval, WDNR requested post-remediation groundwater sampling within 180 days after injection is complete. As documented in the December 30, 2021, Remedial Action Documentation Report the injections were completed by November 10, 2021.

In accordance with the WDNR approval and injection exemption, on May 24, 2022, TRC collected groundwater samples from MW-E, TEC-1, TEC-1A, TEC-3, TEC-4, MW-5, MW-8, NH-7, NH-26, MW-A, MW-B and MW-F. The monitoring well locations are shown on the attached Figure 1 in Attachment 1. Unfortunately, due to a sampling error, the groundwater samples were not filtered and were analyzed for total hexavalent chromium and total chromium (potentially a higher concentration than previous sample analyses). All samples will be filtered in future sampling event(s) and analyzed for total dissolved concentrations. Field parameters collected included temperature, conductivity, turbidity, dissolved oxygen, total dissolved solids, pH and oxidation/reduction potential (ORP).

Prior to groundwater sampling, water levels were measured at each monitoring well with a water level meter. Groundwater samples were collected using low-flow sampling techniques with an Alexis peristaltic pump and YSI ProDSS Sonde M4 multi-parameter meter and flow cell. During well purging, field parameters (temperature, conductivity, turbidity, dissolved oxygen, total dissolved solids, pH and ORP were measured and allowed to stabilize prior to sampling. Low-flow sampling stabilization forms are provided in Attachment 2. Groundwater samples were analyzed for total hexavalent chromium and total chromium using method SM 3500-Cr B and EPA 6010D, respectively. All samples were packaged in a cooler and delivered directly to Pace Analytical Services, LLC in Green Bay, Wisconsin (Pace) under standard chain of custody procedures.

Groundwater Elevations

Table 1 presents a summary of water level measurements collected during events between 2009 and 2022 and Figure 1 presents the groundwater elevation contours for the May 2022 sampling event. The groundwater gradient is oriented from the east/southeast portion of the facility, towards the west. Groundwater elevations were similar to previous groundwater monitoring events. Groundwater continues to exhibit an overall westerly flow direction as illustrated on Figure 1.

Groundwater Quality Assurance/Quality Control Results

TRC performed a Quality Assurance/Quality Control (QA/QC) review of the laboratory report regarding analyses, procedures, and protocols performed by Pace. Samples were received by Pace within the mandated timeframe and maintained at the proper temperature. Based on the results, there were no major insufficiencies regarding surrogate recoveries, analyte detections or sample duplicate recoveries. Based on an internal review by TRC, all data were considered acceptable. QC data indicate that measurement data are sufficient to meet method quality objectives, data are defensible, and QC mechanisms were effective in ensuring measurement data reliability.

The groundwater analytical results are summarized in Table 2, which contains total chromium results from the May 2022 groundwater event, as well as previous analytical results. The low-flow stabilization geochemical results indicate that the dissolved oxygen is ranging between 0.1 and 7.4 milligrams per liter (mg/L) and conductivity is generally greater than 500 u-mhos/cm. The ORP fluctuated with no discernable trend. The pH of the groundwater is basically neutral, ranging between 6.3 and 7.5 S.U. There is no obvious difference between the geochemistry of the source area as compared to down-gradient. The laboratory analytical results are provided in Attachment 4.

Total chromium concentrations exceeded the Enforcement Standard (ES) in 6 of the 12 monitoring wells in May 2022 (MW-A, MW-B, MW-F, TEC-1, TEC-4 and NH-26). Monitoring wells MW-5 and MW-8 exceeded the Preventative Action Limit (PAL) in May 2022, but not the ES. The remaining four monitoring wells NH-7, MW-E, TEC-1A and TEC-3 were below both the ES and PAL.

Despite the results being reported as total concentrations (vs. dissolved concentrations like historic results), the groundwater results show significant decreases in the areas where injections occurred – around TEC-3, TEC-4, TEC-1, NH-26. The groundwater impacts do not pose a threat to human health or the environment. Moreover, there is a deed restriction recorded to the property limiting certain activities, including extraction of groundwater for potable water supply, and uses that further act to protect human health and the environment.

TRC will conduct annual groundwater monitoring and sampling with the next round scheduled for fall/winter 2022 to further assess contaminant trends and to confirm the effectiveness of the injection remedy and MNA. Samples will be collected and analyzed for total dissolved chromium and dissolved hexavalent chromium from monitoring wells MW-E, TEC-1, TEC-1A, TEC-3, TEC-4, MW-5, MW-8, NH-7, NH-26, MW-A, MW-B and MW-F.

If you have any questions, please contact me at 312.800.5910 or via e-mail at charvey@trccompanies.com.

Sincerely,

TRC

Chris Harvey, PE
Principal

cc: S. Jason Smith/Tecumseh Products Company LLC – Paris, TN
Curtis Toll/Greenberg Traurig LLP – Philadelphia, PA
Ronald Bock/TRC – Irvine, CA

Attachment 1
Figure

PLOT DATA
Drawing Name: S:\PROJECTS\Tecumseh\Chromium Line Project - 107927\107927-19(CR LINE).dwg
Operator Name: KONIAR, JOHN
Drawing Size: 11x17
Layout: FIGURE 1
File Size: 0.59 Mb
Plot Date: June 17, 2022
Plot Time: 9:07 AM
Attached Xref's:
Attached Images: Tecumseh aerials;

MW-24
NH-7 (928.70')
NH-10
OWNER: FANNIN OIL COMPANY
FORMER NORTHERN PLATING LINE
NH-26 (930.13')
FORMER TECUMSEH PRODUCTS FACILITY
NH-2
MW-9
TEC-2
MW-H
MW-C
MW-6
MW-5
(929.07')
NH-25
(929.34')
MW-8
TEC-1A (931.26')
APPROXIMATE SOIL REMOVAL AREA
MW-4
FORMER PLATING LINE
TEC-3 (929.96')
MW-B (928.28')
TEC-4 (929.51')
MW-G
MW-1
MW-A (927.16')
MW-E (926.86')
MW-D
MW-F (926.13')
CANADIAN NATIONAL RAILROAD
RAILROAD STREET
JEFFERSON STREET
926'
927'
928'
929'
930'
931'
932'
MICHIGAN AVE.

LEGEND:

- MONITORING WELL LOCATION
- MONITORING WELL INSTALLED BY ROBERT E. LEE & ASSOCIATES IN 2012
- RAILROAD TRACKS
- FENCE
- INJECTION WELL
- INJECTION AREA BONDARY
- (926.13') GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL) - MAY 24, 2022
- GROUNDWATER ELEVATION CONTOUR

NOTE: MW-24 WAS FOUND TO BE DESTROYED DURING THE NOVEMBER 13, 2020 GROUNDWATER EVENT

N

0 60 120
SCALE IN FEET

PROJECT: BRRTS #02-08-363333
TECUMSEH PRODUCTS CO. (FORMER) - CHROMIUM LINE
NEW HOLSTEIN, WISCONSIN

TITLE: GROUNDWATER CONTOUR MAP - MAY 2022

DRAWN BY: J.KONIAR	SCALE: AS SHOWN	PROJ. NO. 471202	
CHECKED BY: A.JANNKE		FILE NO. 107927-19(CR LINE).dwg	
APPROVED BY: C.HARVEY	DATE PRINTED:	FIGURE 1	
DATE: MAY 2022			

TRC
230 West Monroe St.
Suite 630
Chicago, IL 60606
Phone: 312.578.0870

Attachment 2
Groundwater
Sampling Logs

Sample Location	TEC-1
Date	5.24.2022
Client	Tecumseh / HARP
Site	New Holstein, WI

Static Depth to Water (ft)	1.25	Sample Collection Time	
Total Purge Volume (gal)	0.512	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: Y (N) HC Sheen: Y (N) Description: Clear
Pump Intake Depth (ft)		Sampling Personnel	Adam Jannke / (Andrew Ruetten)

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10%
9:26	0.5	0.12	2.71	1.46	7.17	52.5	976	845	115.9	2.30	36.95
9:30	0.48	0.12	2.74	1.49	7.03	52.2	948	836	114.5	1.36	20.15
9:34	0.48	0.12	3.80	1.55	7.00	51.9	955	846	115.1	1.28	6.40
9:38	0.48	0.12	3.80	1.55	6.98	51.7	968	861	114.8	1.07	-6.15
T	1.94										

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AR Date 5.24

Sample Location	MW-B
Date	5.24.2022
Client	Tecumseh / HARP
Site	New Holstein, WI

Static Depth to Water (ft)	4.30	Sample Collection Time	12:55
Total Purge Volume (gal)	0.512	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: Y (N) HC Sheen: Y (N) Description: Clear
Pump Intake Depth (ft)		Sampling Personnel	Adam Jannke (Andrew Ruetten)

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10%
12:40	0.5	0.12	4.37	0.07	7.12	55.5	706	545	79.6	5.61	-46.65
12:44	0.48	0.12	4.43	0.13	7.11	53.7	635	547	94.1	5.18	-49.42
12:48	0.48	0.12	4.46	0.16	7.03	53.6	619	535	100.4	5.05	-49.98
12:52	0.48	0.12	4.48	0.18	6.98	53.7	606	523	104.6	5.03	-50.69

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AR Date 5/24

Sample Location	MW-8
Date	5.24.2022
Client	Tecumseh / HARP
Site	New Holstein, WI

Static Depth to Water (ft)	2.55	Sample Collection Time	10:28
Total Purge Volume (gal)	0.639	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: Y (N) HC Sheen: Y (N) Description: clear
Pump Intake Depth (ft)		Sampling Personnel	Adam Jannke / Andrew Ruetten

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	* Turbidity (NTUs) ± 10%
10:10	0.5	0.12	2.83	0.28	7.10	51.3	706	631	38.1	2.25	-51.10
10:14	0.48	0.12	2.83	0.28	6.94	50.4	673	610	19.2	0.72	-50.98
10:18	0.48	0.12	2.85	0.30	6.88	50.3	653	592	3.7	0.56	-51.35
10:22	0.48	0.12	2.86	0.31	6.86	50.4	642	582	-5.9	0.50	-51.13
10:26	0.48	0.12	2.86	0.31	6.85	50.4	635	575	-11.9	0.48	-51.12
T	2.42										

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AR Date 5/29

Sample Location	TEC-3
Date	5.24.2022
Client	Tecumseh / HARP
Site	New Holstein, WI

Static Depth to Water (ft)	4.66	Sample Collection Time	11:50
Total Purge Volume (gal)	0.512	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: **Y / N** HC Sheen: **Y / N** Description:
Pump Intake Depth (ft)		Sampling Personnel	Adam Jannke, Andrew Ruetten

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10%
11:34	0.5	0.12	4.87	0.21	7.06	55.2	2182	1850	-18.1	1.26	-50.2
11:38	0.48	0.12	4.95	0.29	6.79	54.1	2152	1848	-11.5	0.70	-50.48
11:42	0.48	0.12	5.01	0.35	6.66	54.0	2158	1856	-11.1	0.55	-49.99
11:46	0.48	0.12	5.05	0.39	6.62	53.2	2151	1869	-10.0	0.52	-49.63
T	1.94										

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AR Date 5/24

Sample Location	TEC-4
Date	5.24.2022
Client	Tecumseh / HARP
Site	New Holstein, WI

Static Depth to Water (ft)	4.99	Sample Collection Time	11:12
Total Purge Volume (gal)	0.512	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: Y / (N) HC Sheen: Y / (N) Description: ~~Clear~~ slightly cloudy slight odor
Pump Intake Depth (ft)		Sampling Personnel	Adam Jannke / ~~Andrew Ruetten~~

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10%
10:58	0.5	0.12	5.21	0.22	6.70	52.3	2125	1872	-93.4	1.36	~~10.~~ -4.97
11:02	0.48	0.12	5.23	0.24	6.47	51.1	2091	1874	-98.2	0.59	-13.56
11:06	0.48	0.12	5.26	0.27	6.37	50.7	2082	1878	-99.0	0.51	-16.23
11:10	0.48	0.12	5.27	0.28	6.34	50.9	2084	1872	-99.7	0.46	-18.80
T	1.94										

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AR Date 5/24

Sample Location	MW-A	
Date	5.24.2022	
Client	Tecumseh / HARP	
Site	New Holstein, WI	

Static Depth to Water (ft)	5.67	Sample Collection Time	13:35
Total Purge Volume (gal)	0.639	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: **Y / N** HC Sheen: **Y / N** Description:
Pump Intake Depth (ft)		Sampling Personnel	Adam Jannke, (Andrew Ruetten)

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10%
13:16	0.5	0.12	5.75	0.08	6.88	54.6	1010	860	110.4	1.35	-48.05
13:20	0.48	0.12	5.83	0.16	6.73	53.1	904	787	115.9	1.04	-50.15
13:24	0.48	0.12	5.89	0.22	6.68	53.9	868	746	119.7	1.00	-50.70
13:28	0.48	0.12	5.94	0.27	6.66	54.0	842	723	122.4	0.94	-50.95
13:32	0.48	0.12	5.98	0.31	6.65	54.2	831	712	124.8	0.89	-50.88

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Sample Location	TEC-1A
Date	5.24.2022
Client	Tecumseh / HARP
Site	New Holstein, WI

Static Depth to Water (ft)	14.90	Sample Collection Time	0945
Total Purge Volume (gal)	0.5L	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: Y / (N) HC Sheen: Y / (N) Description: Clear
Pump Intake Depth (ft)		Sampling Personnel	(Adam Jannke) Andrew Ruetten

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	* Turbidity (NTUs) ± 10%
0927	0.5	0.12	15.68	0.78	7.48	52.2	611	540	89.2	3.82	-14
0931	0.48	0.12	16.09	1.17	7.47	51.8	599	532	91.7	1.50	-16
0935	0.48	0.12	16.47	1.57	7.50	51.6	596	530	92.1	1.26	-17
0939	0.48	0.12	16.72		7.49	51.5	595	531	95.5	1.16	-15
Stable	1.94										

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AJS Date 5/24

Sample Location	MW-5	
Date	5.24.2022	
Client	Tecumseh / HARP	
Site	New Holstein, WI	

Static Depth to Water (ft)	2.74	Sample Collection Time	1025
Total Purge Volume (gal)	0.5L	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: Y / (N) HC Sheen: Y / (N) Description: Clear
Pump Intake Depth (ft)		Sampling Personnel	Adam Jannke / Andrew Ruetten

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	* Turbidity (NTUs) ± 10%
1004	0.5	0.12	2.92	0.18	6.71	51.1	554	492	174.8	2.08	-18
1012	0.48	0.12	2.99	0.25	6.71	50.9	543	488	160.6	0.36	-19
1016	0.48	0.12	3.03	0.29	6.71	50.7	540	487	154.6	0.19	-19
1020	0.48	0.12	3.06	0.32	6.71	50.9	539	485	151.9	0.11	-19
Stable	1.99										

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AJ Date 5/24

Sample Location	NH-7	
Date	5.24.2022	
Client	Tecumseh / HARP	
Site	New Holstein, WI	

Static Depth to Water (ft)	6.72	Sample Collection Time	1110
Total Purge Volume (gal)	0.69	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: ~~Y~~ / (N) HC Sheen: Y / (N) Description: Clear
Pump Intake Depth (ft)		Sampling Personnel	Adam Jannke / Andrew Ruetten

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10%
1050	0.5	0.12	6.83	0.11	6.45	57.4	3000	2469	-40.1	1.93	-10
1054	0.48	0.12	6.93	0.21	6.49	55.9	2957	2479	-55.1	0.46	-17
1058	0.48	0.12	7.04	0.32	6.50	55.1	2898	2456	-70.7	0.09	-17
1102	0.48	0.12	7.16	0.44	6.49	55.4	2884	2431	-74.9	0.01	-17
1106	0.48	0.12	7.23	0.51	6.46	55.8	2876	2413	-70.1	-0.02	-16
stbd	2.92										

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AJ Date 5/24

Sample Location	NH-26
Date	5.24.2022
Client	Tecumseh / HARP
Site	New Holstein, WI

Static Depth to Water (ft)	4.63	Sample Collection Time	1145
Total Purge Volume (gal)	0.64	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: Y / (N) HC Sheen: Y / (N) Description: Clear
Pump Intake Depth (ft)		Sampling Personnel	Adam Jannke / Andrew Ruetten

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	* Turbidity (NTUs) ± 10%
1122	0.5	0.12	4.85	0.22	6.99	55.6	980	827	-45.9	2.70	-11
1126	0.48	0.12	4.92	0.29	6.99	52.4	896	788	-37.8	0.64	-13
1130	0.48	0.12	5.00	0.37	6.99	50.9	866	776	-36.0	0.19	-13
1134	0.48	0.12	5.06	0.43	7.00	51.5	855	762	-37.7	0.07	-12
1138	0.48	0.12	5.13	0.50	7.00	51.5	846	754	-36.6	0.01	-11
Stable	2.92										

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AJ Date 5/24

Sample Location	MW-E
Date	5.24.2022
Client	Tecumseh / HARP
Site	New Holstein, WI

Static Depth to Water (ft)	5.45	Sample Collection Time	1255
Total Purge Volume (gal)	0.51	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: Y / (N) HC Sheen: Y / (N) Description: clear
Pump Intake Depth (ft)		Sampling Personnel	(Adam Jannke) / Andrew Ruetten

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	# Turbidity (NTUs) ± 10%
1238	0.5	0.12	6.54	0.09	6.59	55.9	1950	1551	97.7	1.44	-16
1242	0.48	0.12	6.61	0.16	6.60	54.6	1806	1539	114.0	0.45	-18
1246	0.48	0.12	6.68	0.23	6.61	54.6	1798	1533	118.5	0.23	-18
1250	0.48	0.12	6.75	0.30	6.61	54.3	1787	1531	120.5	0.11	-18
Stop	1.94										

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AJ Date 5/24

Sample Location	MW-F
Date	5.24.2022
Client	Tecumseh / HARP
Site	New Holstein, WI

Static Depth to Water (ft)	7.70	Sample Collection Time	1330
Total Purge Volume (gal)	6.51	Purge Method	Low Flow using Peristaltic Pump and Poly Tubing
Total Depth (ft)		Sample Method	Low Flow using Peristaltic Pump and Poly Tubing
Screen Depth Interval (ft)		Water Description	HC Odor: Y (N) HC Sheen: Y (N) Description: Clear
Pump Intake Depth (ft)		Sampling Personnel	~~Adam Jannke~~ / Andrew Ruetten

Condition of Manhole or Protective Cover	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Compression Plug	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Padlock	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:
Condition of Well Label	☐ Good	☐ Fair	☐ Poor/Requires Replacement	Comment:

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft) < 0.3 ft	pH (SU) ± 0.1	Temp (F) ± 3%	Conductivity (u-mhos/cm) ± 3%	TDS (mg/L) ± 3%	ORP (mV) ± 10 mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10%
1309	0.5	0.12	7.901	0.11	6.93	52.5	711	625	159.4	7.39	-11
1313	0.48	0.12	7.91	0.21	6.93	51.2	672	602	165.6	7.00	-19
1317	0.48	0.12	7.95	0.25	6.94	49.8	649	593	169.6	7.23	-17
1321	0.48	0.12	8.00	0.30	6.96	49.3	621	572	172.4	7.39	-18
Stable	1.99										

Record measurements in units listed on form
microSiemens/cm = micromhos/cm
All depth measurements are feet below top of casing

Form Date: 04/01/09

Initial AS Date 5/24

Attachment 3
Summary Tables

Table 1. Groundwater Level Elevations 2009-2022

Location	Top of Casing (TOC) Elevation (ft MSL)	June 8, 2009		September 23, 2009		December 28 & 29, 2009		March 29 & 30, 2010		March 18 & 19, 2011		May 15, 2012	
		Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation
MW-1	932.60	6.13	926.47	8.80	923.80	3.71	928.89	4.98	927.62	4.92	927.68	2.77	929.83
NH-2	935.34	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	932.24	4.32	927.92	7.55	924.69	2.56	929.68	3.77	928.47	3.56	928.68	2.67	929.57
MW-5	931.81	4.30	927.51	7.24	924.57	3.10	928.71	3.27	928.54	2.99	928.82	2.39	929.42
MW-6	931.90	5.23	926.67	8.45	923.45	3.17	928.73	3.72	928.18	3.46	928.44	2.85	929.05
NH-7	935.42	Well installed in 2012		Well installed in 2012		Well installed in 2012		Well installed in 2012		Well installed in 2012		Well installed in 2012	
MW-8	931.89	4.07	927.82	6.73	925.16	2.99	928.90	3.33	928.56	3.11	928.78	2.63	929.26
MW-9	931.54	7.04	924.50	10.65	920.89	4.71	926.83	4.58	926.96	--	--	--	--
NH-10	935.37	--	--	--	--	--	--	--	--	--	--	--	--
NH-25	934.65	Well installed in 2012		Well installed in 2012		Well installed in 2012		Well installed in 2012		Well installed in 2012		Well installed in 2012	
MW-24	931.07	--	--	--	--	--	--	--	--	--	--	--	--
NH-26	934.76	Well installed in 2012		Well installed in 2012		Well installed in 2012		Well installed in 2012		Well installed in 2012		Well installed in 2012	
MW-A	932.83	6.78	926.05	9.38	923.45	4.79	928.04	5.62	927.21	5.57	927.26	4.47	928.36
MW-B	932.58	5.69	926.89	8.60	923.98	3.00	929.58	4.40	928.18	4.22	928.36	3.11	929.47
MW-C	931.89	5.88	926.01	9.24	922.65	3.29	928.60	3.86	928.03	3.64	928.25	2.59	929.30
MW-D	941.90	5.81	936.09	9.96	931.94	5.18	936.72	4.04	937.86	--	--	--	--
MW-E	933.31	7.28	926.03	9.81	923.50	6.20	927.11	6.43	926.88	6.33	926.98	5.32	927.99
MW-F	933.83	8.52	925.31	10.93	922.90	7.31	926.52	7.53	926.30	7.52	926.31	6.71	927.12
MW-G	934.37	7.52	926.85	10.66	923.71	7.02	927.35	7.28	927.09	7.21	927.16	5.98	928.39
MW-H	933.63	8.81	924.82	12.40	921.23	9.06	924.57	8.45	925.18	--	--	--	--
TEC-1	932.51	4.20	928.31	6.67	925.84	3.69	928.82	3.89	928.62	3.46	929.05	3.14	929.37
TEC-1A	932.02	14.29	917.73	18.37	913.65	14.66	917.36	13.58	918.44	13.42	918.60	13.17	918.85
TEC-2	931.90	4.67	927.23	7.47	924.43	3.55	928.35	3.68	928.22	3.40	928.50	2.90	929.00
TEC-3	934.62	6.94	927.68	9.07	925.55	6.51	928.11	6.20	928.42	5.94	928.68	5.38	929.24
TEC-4	934.50	7.15	927.35	9.64	924.86	6.12	928.38	6.33	928.17	5.98	928.52	5.35	929.15

MSL - Mean Sea Level

NA* Well underwater and could not be measured

Table 1. Groundwater Level Elevations 2009-2022

Location	Top of Casing (TOC) Elevation (ft MSL)	June 20 & 21, 2013		August 18, 2014		April 22, 2016		September 7, 2016		April 26, 2017		March 21, 2019		November 5, 2020	
		Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation	Depth To Water Below TOC	Water Level Elevation
MW-1	932.60	5.13	927.47	6.80	925.80	4.53	928.07	2.97	929.63	--	--	4.12	928.48	--	--
NH-2	935.34	--	--	3.68	931.66	4.01	931.33	3.65	931.69	3.82	931.52	3.63	931.71	--	--
MW-4	932.24	4.08	928.16	5.62	926.62	3.36	928.88	3.03	929.21	--	--	--	--	--	--
MW-5	931.81	3.70	928.11	4.89	926.92	2.87	928.94	3.35	928.46	--	--	2.81	929.00	3.08	928.73
MW-6	931.90	4.28	927.62	5.91	925.99	3.19	928.71	3.69	928.21	--	--	--	--	--	--
NH-7	935.42	8.64	926.78	9.14	926.28	7.77	927.65	8.13	927.29	--	--	7.22	928.20	7.83	927.59
MW-8	931.89	3.63	928.26	4.74	927.15	2.91	928.98	2.42	929.47	2.33	929.56	1.54	930.35	3.03	928.86
MW-9	931.54	--	--	--	--	3.96	927.58	4.99	926.55	--		--	--	--	--
NH-10	935.37	--	--	9.24	926.13	8.23	927.14	8.59	926.78	--	--	7.80	927.57	--	--
NH-25	934.65	6.34	928.31	6.73	927.92	5.83	928.82	5.49	929.16	--	--	4.97	929.68	--	--
MW-24	931.07	--	--	7.58	923.49	4.94	926.13	6.21	924.86	--	--	Destroyed		Destroyed	
NH-26	934.76	6.76	928.00	6.99	927.77	6.24	928.52	NA*	934.76	5.73	929.03	6.04	928.72	6.28	928.48
MW-A	932.83	5.72	927.11	7.33	925.50	5.23	927.60	4.56	928.27	3.92	928.91	5.34	927.49	5.33	927.50
MW-B	932.58	4.58	928.00	6.31	926.27	3.95	928.63	3.57	929.01	2.69	929.89	3.88	928.70	4.32	928.26
MW-C	931.89	4.57	927.32	6.35	925.54	3.26	928.63	3.63	928.26	--	--	4.19	927.70	--	--
MW-D	941.90	--	--	--	--	3.86	938.04	6.59	935.31	--	--	3.58	938.32	--	--
MW-E	933.31	6.44	926.87	7.98	925.33	6.01	927.30	5.60	927.71	4.92	928.39	6.16	927.15	6.09	927.22
MW-F	933.83	7.76	926.07	9.02	924.81	7.21	926.62	7.41	926.42	--	--	7.38	926.45	7.27	926.56
MW-G	934.37	7.68	926.69	9.29	925.08	7.11	927.26	5.89	928.48	--	--	8.25	926.12	--	--
MW-H	933.63	--	--	--	--	7.88	925.75	7.19	926.44	--	--	8.61	925.02	--	--
TEC-1	932.51	4.08	928.43	4.95	927.56	3.54	928.97	4.29	928.22	3.29	929.22	3.34	929.17	3.78	928.73
TEC-1A	932.02	14.18	917.84	15.76	916.26	13.60	918.42	15.17	916.85	--	--	13.90	918.12	--	--
TEC-2	931.90	3.97	927.93	4.86	927.04	3.30	928.60	NA*	931.90	--	--	2.98	928.92	--	--
TEC-3	934.62	6.23	928.39	6.88	927.74	5.90	928.72	5.78	928.84	5.31	929.31	5.74	928.88	5.95	928.67
TEC-4	934.50	6.40	928.10	7.43	927.07	5.76	928.74	5.23	929.27	4.88	929.62	5.79	928.71	5.94	928.56

MSL - Mean Sea Level

NA* Well underwater and could

Table 1. Groundwater Level Elevations 2009-2022

Location	Top of Casing (TOC) Elevation (ft MSL)	May 24, 2022	
		Depth To Water Below TOC	Water Level Elevation
MW-1	932.60	--	--
NH-2	935.34	--	--
MW-4	932.24	--	--
MW-5	931.81	2.74	929.07
MW-6	931.90	--	--
NH-7	935.42	6.72	928.70
MW-8	931.89	2.55	929.34
MW-9	931.54	--	--
NH-10	935.37	--	--
NH-25	934.65	--	--
MW-24	931.07	Destroyed	
NH-26	934.76	4.63	930.13
MW-A	932.83	5.67	927.16
MW-B	932.58	4.30	928.28
MW-C	931.89	--	--
MW-D	941.90	--	--
MW-E	933.31	6.45	926.86
MW-F	933.83	7.70	926.13
MW-G	934.37	--	--
MW-H	933.63	--	--
TEC-1	932.51	1.25	931.26
TEC-1A	932.02	14.90	917.12
TEC-2	931.90	--	--
TEC-3	934.62	4.66	929.96
TEC-4	934.50	4.99	929.51

MSL - Mean Sea Level

NA* Well underwater and could

Table 2

Groundwater Analytical Results - Dissolved Chromium and Lead
Tecumseh Products Co. (Former)-Chromium Line
New Holstein, Wisconsin

WELL ID	Date Sampled	DISSOLVED METALS				UNDISSOLVED METALS	
		Hexavalent Chromium (CrVI)	Total Chromium[1]	Trivalent Chromium[2] (CrIII)	Lead	Ferrous Iron	Total Organic Carbon
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
NR 140 STANDARD	**PAL**	--	10	--	1.5	150	--
	ES	--	100	--	15	300	--
TW-1	8/13/2002	5.0	3.6	NM	--	--	--
TW-2	8/13/2002	24	*33*	8.7	--	--	--
TW-3	8/13/2002	130	**110**	NM	--	--	--
TW-4	8/13/2002	7,900	**8,200**	NM	--	--	--
TW-5	8/13/2002	700	**640**	NM	--	--	--
TW-6	8/13/2002	5	1 U	NM	--	--	--
TW-7	8/13/2002	6.3	1 U	NM	--	--	--
TW-8	8/13/2002	6.3	1.9	NM	--	--	--
TW-9	8/13/2002	8.9	0.44 U	NM	--	--	--
TW-10	8/13/2002	3.6 U	1.3 U	NM	--	--	--
MW-1	8/13/2002	1,900	**1,700**	NM	--	--	--
	11/16/2005	4,600	**4,900**	300	--	--	--
	5/24/2007	2,800	**2,800**	NM	*0.24*	--	--
	6/9/2009	680	**738**	58 J	*1.7* J	--	--
	9/24/2009	1,700	**1,660**	200 U	3.3 J	--	--
	12/28/2009	3.90 U	9.2	9.2 J	*2.2* J	--	--
	3/29/2010	5.3	*57.6*	52.3	*2.2* J	--	--
	5/18/2011	50	*54.1*	4.1	--	--	--
	5/15/2012	4.4 J	*16.1*	11.7 J	--	--	--
	6/21/2013	33	*54.9*	NM	*2.3* J	--	--
	8/19/2014	--	4.1 J	--	*3* U	--	--
MW-2	8/13/2002	3.6 U	2.3	3.6 U	--	--	--
	11/16/2005	5.0 U	2.8	NM	--	--	--
NH-2	4/24/2012	--	<2.4	--	<1.4	--	--
	8/19/2014	--	2.1 J	--	*3* J	--	--
	4/26/2017	<3.9	3.7 J	NM	NM	<28	3,400
MW-3	8/13/2002	1,900	**1,700**	NM	--	--	--
MW-4	8/13/2002	3.7	0.44 U	NM	--	--	--
	11/15/2005	5.0 U	2.0	NM	--	--	--
	5/24/2007	3.4 U	0.63	NM	0.26	--	--
	6/9/2009	3.9 U	1.3 J	NM	*2.2* J	--	--
	9/24/2009	3.9 U	0.39 U	3.9 U	1.3	--	--
	12/28/2009	3.9 U	1.2 J	3.9 U	1.3	--	--
	3/29/2010	3.9 U	0.82 J	3.9 U	1.4 J	--	--
	5/18/2011	3.9 U	1.6 J	3.9 U	--	--	--
	5/15/2012	3.9 U	2.4 U	3.9 U	--	--	--
	6/20/2013	3.4 U	1.2 U	3.9 U	1.2 U	--	--
	8/19/2014	--	2.1 U	NM	*3* U	--	--

Notes:

ES = NR140 Enforcement Standard

PAL = NR140 Preventative Action Limit

ITALICIZE = Detection over NR140 PAL Limit

BOLD = Detection over NR140 ES Limit

U = Analyte not detected at or above reporting limit

J = Estimated value. Analyte detected at a level less than the reporting limit

"--" = Analyte was not sampled during sampling round

NM Not measured/calculated, due to Cr(VI) result greater than total Cr result.

1 = PAL and ES values are for total chromium.
As such, these values are not applicable for hexavalent chromium.

2 = Trivalent chromium is the difference between total chromium and hexavalent chromium concentrations.

D3 Sample was diluted due to the presence of high levels of non-target or other matrix interference.

* Samples from this date were only tested for Total Undissolved metals

Table 2

Groundwater Analytical Results - Dissolved Chromium and Lead
Tecumseh Products Co. (Former)-Chromium Line
New Holstein, Wisconsin

WELL ID	DATE SAMPLED	DISSOLVED METALS				UNDISSOLVED METALS	
		HEXAVALENT CHROMIUM (CrVI)	TOTAL CHROMIUM[1]	TRIVALENT CHROMIUM[2] (CrIII)	Lead	Ferrous Iron	Total Organic Carbon
	UNITS	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
NR 140 STANDARD	PAL	--	10	--	1.5	--	-
	ES	--	100	--	15	--	-
MW-5	8/13/2002	380	**390**	180 U	NM	--	--
	11/16/2005	330	**270**	NM	NM	--	--
	5/24/2007	1,100	**910**	NM	0.19	--	--
	6/9/2009	950	**938**	9.8 U	*3.2* J	--	--
	9/24/2009	3400	**3,510**	110	*2.6* J	--	--
	12/29/2009	240	**240**	3.9 U	*1.5* J	--	--
	3/30/2010	210	**202**	3.9 U	*2* J	--	--
	5/19/2011	140	**134**	NM	NM	--	--
	5/15/2012	350	**339**	NM	NM	--	--
	6/20/2013	290	**313**	NM	1.2 U	--	--
	8/18/2014	NM	**318**	--	*3* U	--	--
	3/21/2019	--	*81.6*	--	--	--	--
	11/5/2020	--	**102**	--	--	--	--
	5/24/2022*	22 J	*17.9*	--	--	--	--
MW-6	8/13/2002	8.9	0.56 U	NM	NM	--	--
	11/15/2005	45	*65*	20	NM	--	--
	5/24/2007	3.4 U	2.6	NM	0.07	--	--
	6/9/2009	3.9 U	0.39 U	3.9	*2.6* J	--	--
	9/24/2009	3.9 U	5.0	5.0	*2* J	--	--
	12/28/2009	3.9 U	0.48 J	3.9	1.3 U	--	--
	3/29/2010	3.9 U	0.39 U	3.9	*2.3* J	--	--
	5/18/2011	3.9 U	1.2 J	3.9	NM	--	--
	5/15/2012	3.9 U	2.4 U	3.9	NM	--	--
	6/20/2013	3.4 U	1.2 U	NM	1.2 U	--	--
	8/19/2014	NM	2.1 U	NM	*3* U	--	--
NH-7	4/24/2012	NM	**261**	NM	*1.7* J	--	--
	6/20/2013	110	**111**	NM	1.2 U	--	--
	8/19/2014	NM	**114**	NM	*3* U	--	--
	3/21/2019	--	**279**	--	--	--	--
	11/5/2020	--	**311**	--	--	--	--
	5/24/2022*	<73 D3	<12.7 D3	--	--	--	--
MW-8	8/13/2002	3,100	**3,200**	720 U	NM	--	--
	11/16/2005	3,000	**2,900**	NM	NM	--	--
	5/24/2007	1,900	**1,600**	NM	0.09	--	--
	6/9/2009	7,300	**8,730**	1400	*2.9* J	--	--
	9/24/2009	8,200	**8,470**	270	*2.6* J	--	--
	12/29/2009	5100	**5,150**	50 J	*1.9* J	--	--
	3/29/2010	1,900	**1,720**	180	*2.3* J	--	--
	5/19/2011	320	**330**	10	NM	--	--
	5/15/2012	3,100	**2,940**	NM	NM	--	--
	6/20/2013	860	**844**	NM	*1.8* J	--	--
	8/18/2014	NM	**1,320**	NM	*3* U	--	--
	4/22/2016	NM	*46.7*	NM	NM	--	--
	9/7/2016	NM	**725**	NM	NM	--	--
	4/26/2017	<3.9	<2.5	NM	NM	<28	4,500
	3/21/2019	--	5.2 J	--	--	--	--
	11/5/2020	--	5.0 J	--	--	--	--
	5/24/2022*	<7.3	*17.5*	--	--	--	--

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NM Not measured/calculated, due to Cr(VI) result greater than total Cr result.

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As such, these values are not applicable for hexavalent chromium.

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D3 Sample was diluted due to the presence of high levels of non-target or other matrix interference.

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Table 2
Groundwater Analytical Results - Dissolved Chromium and Lead
Tecumseh Products Co. (Former)-Chromium Line
New Holstein, Wisconsin

WELL ID	DATE SAMPLED	DISSOLVED METALS				UNDISSOLVED METALS	
		HEXAVALENT CHROMIUM (CrVI)	TOTAL CHROMIUM[1]	TRIVALENT CHROMIUM[2] (CrIII)	Lead	Ferrous Iron	Total Organic Carbon
	UNITS	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
NR 140	PAL	--	10	--	1.5	--	-
STANDARD	ES	--	100	--	15	--	-
MW-9	8/13/2002	3.6 U	0.44 U	3.6	NM	--	--
	11/15/2005	5.0 U	1.7	NM	*1.8*	--	--
	5/24/2007	5.4	0.44	NM	0.06	--	--
	6/9/2009	3.9 U	0.39 U	3.9 U	*2.2* J	--	--
	9/24/2009	3.9 U	0.39 U	3.9 U	*2.1* J	--	--
	12/28/2009	3.9 U	0.39 U	3.9 U	*1.7* J	--	--
	3/29/2010	3.9 U	4.9 J	4.9 J	*2.4* J	--	--
NH-10	4/23/2012	NM	4.1 J	NM	*1.9* J	--	--
	8/19/2014	NM	2.1 U	NM	*3* U	--	--
MW-24	8/19/2014	NM	3.7 J	NM	*3* U	--	--
NH-25	4/23/2012	NM	**1,220**	NM	*1.6* J	--	--
	6/20/2013	3,100	**3,330**	NM	*2.8* J	--	--
	8/19/2014	NM	**895**	--	3 U	--	--
NH-26	4/23/2012	--	**470**	--	<1.4	--	--
	6/20/2013	480	**510**	NM	1.2 U	--	--
	8/19/2014	--	**284**	--	3 U	--	--
	4/26/2017	1,500	**1,400**	NM	NM	<28	7,400
	3/21/2019	--	**763**	--	--	--	--
	11/5/2020	--	**1,080**	--	--	--	--
	5/24/2022*	<7.3	**111**	--	--	--	--
MW-A	5/24/2007	4,000	**4,100**	100	***27.0***	--	--
	6/8/2009	1,500	**1,510**	20 U	*2.1* J	--	--
	9/24/2009	3,600	**3,710**	110	*1.5* J	--	--
	12/28/2009	1,900	**1,870**	20 U	*2.1* J	--	--
	3/29/2010	1,500	**1,390**	110	*2.3* J	--	--
	5/18/2011	590	**594**	4	--	--	--
	5/15/2012	440	**417**	NM	--	--	--
	6/21/2013	520	**484**	NM	*2.3* J	--	--
	8/19/2014	--	18.1	--	*3*	--	--
	4/22/2016	--	**307**	--	--	--	--
	9/7/2016	NM	*60.1*	NM	NM	--	--
	4/26/2017	330	**295**	NM	NM	<28	5,800
	3/21/2019	--	**458**	--	--	--	--
	11/5/2020	--	**779**	--	--	--	--
	5/24/2022*	190	**242**	--	--	--	--
MW-B	5/24/2007	910	**780**	NM	0.044 U	--	--
	6/9/2009	570	**533**	20 U	*2.2* J	--	--
	9/24/2009	1,300	**1,200**	100 U	*1.6* J	--	--
	12/28/2009	740	**649**	20 U	*2.4* J	--	--
	3/29/2010	270	**263**	20 U	*2.2* J	--	--
	5/18/2011	68	*64*	NM	--	--	--
	5/15/2012	5.5 J	*10.2*	4.7 J	--	--	--
	6/20/2013	74	*73.8*	NM	1.2 U	--	--
	8/19/2014	--	*47.1*	--	*3* U	--	--
	4/22/2016	NM	*20.1*	NM	NM	--	--
	9/7/2016	NM	**585**	NM	NM	--	--
	4/26/2017	<3.9	4.7 J	NM	NM	<28	910
	3/21/2019	--	*79.6*	--	--	--	--
	11/5/2020	--	*73.3*	--	--	--	--
	5/24/2022*	310	**394**	--	--	--	--

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NM Not measured/calculated, due to Cr(VI) result greater than total Cr result.

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* Samples from this date were only tested for Total Undissolved metals

Table 2
Groundwater Analytical Results - Dissolved Chromium and Lead
Tecumseh Products Co. (Former)-Chromium Line
New Holstein, Wisconsin

WELL ID	DATE SAMPLED	DISSOLVED METALS				UNDISSOLVED METALS	
		HEXAVALENT CHROMIUM (CrVI)	TOTAL CHROMIUM[1]	TRIVALENT CHROMIUM[2] (CrIII)	Lead	Ferrous Iron	Total Organic Carbon
	UNITS	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
NR 140	PAL	--	10	--	1.5	--	
STANDARD	ES	--	100	--	15		
MW-C	5/24/2007	3.4 U	1.3	NM	0.07	--	--
	6/9/2009	3.9 U	1.1 J	3.9 U	*2.4* J	--	--
	9/24/2009	3.9 U	0.39 U	3.9 U	*4.1* J	--	--
	12/28/2009	3.9 U	4.5 J	4.5 J	*1.9* J	--	--
	3/29/2010	3.9 U	4.2 J	4.2 J	1.4 J	--	--
	5/18/2011	3.9 U	2.3 J	3.9 U	--	--	--
	5/15/2012	3.9 U	2.4 U	3.9 U	--	--	--
	6/20/2013	3.4 U	1.2 U	NM	1.2 U	--	--
	8/19/2014	--	2.1 U	--	*3* U	--	--
MW-D	5/25/2007	3.4 U	1.9	NM	0.1	--	--
	6/9/2009	3.9 U	2.4 J	3.9 U	*1.7* J	--	--
	9/24/2009	3.9 U	0.42 J	3.9 U	*3* J	--	--
	12/29/2009	3.9 U	1.9 J	3.9 U	*2.5* J	--	--
	3/29/2010	3.9 U	1.0 J	3.9 U	1.4 J	--	--
MW-E	6/9/2009	290	**268**	3.9 U	*2* J	--	--
	9/24/2009	340	**353**	20 U	*2* J	--	--
	12/29/2009	870	**814**	39 U	*3.9* J	--	--
	3/30/2010	890	**808**	39 U	*1.9* J	--	--
	5/19/2011	1,000	**963**	NM	--	--	--
	5/15/2012	1,000	**920**	NM	--	--	--
	6/20/2013	1,200	**1,150**	NM	*2.9* J	--	--
	8/19/2014	--	**1,290**	--	*3* U	--	--
	4/22/2016	NM	**594**	NM	NM	--	--
	9/7/2016	NM	**507**	NM	NM	--	--
	4/26/2017	550	**533**	NM	NM	<28	6,200
	3/21/2019	--	**628**	--	--	--	--
	11/5/2020	--	**1,420**	--	--	--	--
	5/24/2022*	<7.3	<2.5	--	--	--	--
MW-F	6/8/2009	3.9 U	0.46 J	3.9 U	*2.2* J	--	--
	9/23/2009	3.9 U	0.39 U	3.9 U	*2.4* J	--	--
	12/28/2009	3.9 U	1.8 J	3.9 U	*1.6* J	--	--
	3/29/2010	3.9 U	1.4 J	3.9 U	*2.2* J	--	--
	5/18/2011	3.9 U	1.7 J	3.9 U	--	--	--
	5/15/2012	3.9 U	2.4 U	3.9 U	--	--	--
	6/21/2013	3.9 U	1.2 U	NM	1.2 U	--	--
	8/19/2014	3.9 U	2.1 U	--	3 U	--	--
	3/21/2019	--	2.5 U	--	--	--	--
	11/5/2020	--	2.5 U	--	--	--	--
	5/24/2022*	250	**333**	--	--	--	--
MW-G	6/8/2009	3.9 U	0.7 J	3.9 U	1.3	--	--
	9/23/2009	3.9 U	0.39 U	3.9 U	*4.9* J	--	--
	12/28/2009	3.9 U	0.39 J	3.9 U	*1.9* J	--	--
	3/29/2010	3.9 U	0.39 U	3.9 U	*3* J	--	--
	5/18/2011	3.9 U	1.1 J	3.9 U	--	--	--
	5/15/2012	3.9 U	2.4 U	3.9 U	--	--	--
	6/21/2013	3.4 U	1.2 U	NM	*3.1* J	--	--
	8/19/2014	--	2.1 U	--	3 U	--	--

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Table 2
Groundwater Analytical Results - Dissolved Chromium and Lead
Tecumseh Products Co. (Former)-Chromium Line
New Holstein, Wisconsin

WELL ID	DATE SAMPLED	DISSOLVED METALS				UNDISSOLVED METALS	
		HEXAVALENT CHROMIUM (CrVI)	TOTAL CHROMIUM[1]	TRIVALENT CHROMIUM[2] (CrIII)	Lead	Ferrous Iron	Total Organic Carbon
	UNITS	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
NR 140 STANDARD	PAL	--	10	--	1.5	--	-
	ES	--	100	--	15	--	-
MW-H	6/8/2009	3.9 U	0.89 J	3.9 U	1.3	--	--
	9/23/2009	3.9 U	3.9 U	3.9 U	*2.1* J	--	--
	12/28/2009	3.9 U	3.9 U	3.9 U	*2.7* J	--	--
	3/29/2010	3.9 U	3.9 U	3.9 U	*1.6* J	--	--
TEC-1	8/13/2002	500	**490**	NM	--	--	--
	11/16/2005	4,300	**3,800**	NM	*1.9*	--	--
	5/23/2007	790	**670**	NM	***20***	--	--
	6/10/2009	11,400	**12,000**	600 J	*3.5* J	--	--
	9/24/2009	3,000	**3,120**	120	*3.8* J	--	--
	12/29/2009	7,900	**7,430**	200 U	*3.3* J	--	--
	3/30/2010	6,700	**6,710**	200 U	*3.3* J	--	--
	5/19/2011	2,400	**2,620**	220	--	--	--
	5/15/2012	2,300	**2,190**	NM	--	--	--
	6/20/2013	2,300	**2,250**	NM	*4.3* J	--	--
	8/18/2014	--	**1,250**	--	*3* U	--	--
	4/26/2017	650	**598**	NM	NM	<28	2,100
	3/21/2019	--	**315**	--	--	--	--
	11/5/2020	--	**318**	--	--	--	--
	5/24/2022*	140	**192**	--	--	--	--
TEC-1A	8/13/2002	14	0.52 U	NM	--	--	--
	3/6/2006	5.0 U	2.8	NM	--	--	--
	5/23/2007	3.4 U	0.43 U	NM	0.07	--	--
	6/9/2009	14 J	*22.6*	9 J	*2.2* J	--	--
	9/24/2009	3.9 U	1.1 J	3.9 U	*2.1* J	--	--
	12/29/2009	3.9 U	4.3 J	4.3 J	*2* J	--	--
	3/29/2010	3.9 U	5.1	5.1	*1.5* J	--	--
	5/19/2011	32	38.7	6.7	--	--	--
	5/15/2012	3.9 U	8.2	8.2	--	--	--
	6/20/2013	3.4 U	1.2 U	NM	1.2 U	--	--
	8/18/2014	--	2.1 U	--	*3* U	--	--
	5/24/2022*	<7.3	9.3 J	--	--	--	--
TEC-2	8/13/2002	16	0.44 U	NM	--	--	--
	11/16/2005	5.0 U	0.78	NM	--	--	--
	5/24/2007	3.4 U	0.94	--	0.13	--	--
	6/9/2009	3.9 U	1.2 J	3.9 U	*2.5* J	--	--
	9/24/2009	3.9 U	0.68 J	3.9 U	*3.1* J	--	--
	12/29/2009	3.9 U	1.1 J	3.9 U	*3.2* J	--	--
	3/30/2010	3.9 U	2.7 J	3.9 U	*2.3* J	--	--
	5/19/2011	3.9 U	1.3 J	3.9 U	--	--	--
	5/15/2012	3.9 U	2.4 U	3.9 U	--	--	--
	6/20/2013	3.4 U	1.2 U	NM	*2.8* J	--	--
	8/18/2014	--	2.1 U	--	*3.0* U	--	--

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Table 2

Groundwater Analytical Results - Dissolved Chromium and Lead
Tecumseh Products Co. (Former)-Chromium Line
New Holstein, Wisconsin

WELL ID	DATE SAMPLED	DISSOLVED METALS				UNDISSOLVED METALS	
		HEXAVALENT	TOTAL	TRIVALENT	Lead	Ferrous Iron	Total Organic
	UNITS	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
NR 140	PAL	--	10	--	1.5	--	-
STANDARD	ES	--	100	--	15	--	-
TEC-3	9/23/2003	270	**310**	40	--	--	--
	11/16/2005	540	**490**	NM	--	--	--
	5/24/2007	1,000	**910**	NM	0.17	--	--
	6/10/2009	400	**789**	390	*3.5* J	--	--
	9/24/2009	99	*99*	20 U	*1.8* J	--	--
	12/29/2009	190	**201**	11 J	*2.2* J	--	--
	3/30/2010	470	**445**	20 U	1.3 J	--	--
	5/19/2011	580	**585**	5	--	--	--
	5/15/2012	250	**227**	NM	--	--	--
	6/20/2013	1,200	**1,260**	NM	1.2 U	--	--
	8/19/2014	--	**2,100**	--	*3* U	--	--
	4/22/2016	NM	**5,650**	NM	NM	--	--
	9/7/2016	NM	**2,820**	NM	NM	--	--
	4/26/2017	5,300	**5,040**	NM	NM	<28	5,800
	3/21/2019	--	**1,080**	--	--	--	--
	11/5/2020	--	**4,560**	--	--	--	--
	5/24/2022*	<73 D3	6.1 J	--	--	--	--
TEC-4	9/23/2003	1,200	**1,300**	100	--	--	--
	11/16/2005	2,800	**2,700**	NM	0.40 U	--	--
	5/24/2007	4,800	**4,000**	NM	0.06	--	--
	6/10/2009	13,300	**12,500**	200 U	*2.3* J	--	--
	9/24/2009	5,500	**5,220**	500 U	*2.3* J	--	--
	12/29/2009	5,200	**5,360**	160 J	*3* J	--	--
	3/30/2010	14,300	**12,900**	390 U	*2.5* J	--	--
	5/19/2011	29,000	**29,200**	200	--	--	--
	5/15/2012	21,300	**20,300**	NM	--	--	--
	6/20/2013	33,600	**32,200**	NM	*14* U	--	--
	8/19/2014	--	**6,880**	--	*3* U	--	--
	4/22/2016	NM	**65,100**	NM	NM	--	--
	9/7/2016	NM	**33,100**	NM	NM	--	--
	4/26/2017	16,200	**15,400**	NM	NM	<28	13,400
	3/21/2019	--	**16,900**	--	--	--	--
	11/5/2020	--	**26,100**	--	--	--	--
	5/24/2022*	<73 D3	**2170**	--	--	--	--

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Attachment 4
Analytical Data

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

June 03, 2022

Chris Harvey
TRC Environmental
230 W. Monroe St
Suite 630
Chicago, IL 60606

RE: Project: 471202.PHASE 02
Pace Project No.: 40245401

Dear Chris Harvey:

Enclosed are the analytical results for sample(s) received by the laboratory on May 24, 2022. 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,

Tod Noltemeyer

Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 471202.PHASE 02
Pace Project No.: 40245401

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
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 471202.PHASE 02
Pace Project No.: 40245401

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40245401001	**TEC-1**	Water	05/24/22 09:40	05/24/22 15:17
40245401002	**TEC-1A**	Water	05/24/22 09:45	05/24/22 15:17
40245401003	**MW-5**	Water	05/24/22 10:25	05/24/22 15:17
40245401004	**MW-8**	Water	05/24/22 10:28	05/24/22 15:17
40245401005	**NH-7**	Water	05/24/22 11:10	05/24/22 15:17
40245401006	**NH-26**	Water	05/24/22 11:45	05/24/22 15:17
40245401007	**TEC-4**	Water	05/24/22 11:12	05/24/22 15:17
40245401008	**TEC-3**	Water	05/24/22 11:50	05/24/22 15:17
40245401009	**MW-E**	Water	05/24/22 12:55	05/24/22 15:17
40245401010	**MW-F**	Water	05/24/22 13:30	05/24/22 15:17
40245401011	**MW-B**	Water	05/24/22 12:35	05/24/22 15:17
40245401012	**MW-A**	Water	05/24/22 13:35	05/24/22 15:17

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SAMPLE ANALYTE COUNT

Project: 471202.PHASE 02
Pace Project No.: 40245401

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40245401001	**TEC-1**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401002	**TEC-1A**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401003	**MW-5**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401004	**MW-8**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401005	**NH-7**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401006	**NH-26**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401007	**TEC-4**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401008	**TEC-3**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401009	**MW-E**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401010	**MW-F**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401011	**MW-B**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G
40245401012	**MW-A**	EPA 6010D	TXW	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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PROJECT NARRATIVE

Project: 471202.PHASE 02
Pace Project No.: 40245401

Method: **EPA 6010D**
Description: 6010D MET ICP
Client: TRC Environmental - IL
Date: June 03, 2022

General Information:
12 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

Analyte Comments:

QC Batch: 416751

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- NH-7 (Lab ID: 40245401005)
  - Chromium

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PROJECT NARRATIVE

Project: 471202.PHASE 02
Pace Project No.: 40245401

Method: **SM 3500-Cr B**
Description: Chromium, Hexavalent
Client: TRC Environmental - IL
Date: June 03, 2022

General Information:
12 samples were analyzed for SM 3500-Cr B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

QC Batch: 416812

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40245339001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2400001)
  - Chromium, Hexavalent
- MSD (Lab ID: 2400002)
  - Chromium, Hexavalent

Additional Comments:

Analyte Comments:

QC Batch: 416812

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- NH-7 (Lab ID: 40245401005)
  - Chromium, Hexavalent
- TEC-3 (Lab ID: 40245401008)
  - Chromium, Hexavalent
- TEC-4 (Lab ID: 40245401007)
  - Chromium, Hexavalent

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

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: TEC-1 **Lab ID: 40245401001** Collected: 05/24/22 09:40 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**192**	ug/L	10.0	2.5	1	05/26/22 05:43	05/26/22 17:28	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**0.14**	mg/L	0.024	0.0073	1		05/26/22 14:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: TEC-1A **Lab ID: 40245401002** Collected: 05/24/22 09:45 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**9.3J**	ug/L	10.0	2.5	1	05/26/22 05:43	05/26/22 17:30	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**<0.0073**	mg/L	0.024	0.0073	1		05/26/22 14:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: MW-5 **Lab ID: 40245401003** Collected: 05/24/22 10:25 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**17.9**	ug/L	10.0	2.5	1	05/26/22 05:43	05/26/22 17:33	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**0.022J**	mg/L	0.024	0.0073	1		05/26/22 14:14		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: MW-8 **Lab ID: 40245401004** Collected: 05/24/22 10:28 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**17.5**	ug/L	10.0	2.5	1	05/26/22 05:43	05/26/22 17:35	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**<0.0073**	mg/L	0.024	0.0073	1		05/26/22 14:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: NH-7 **Lab ID: 40245401005** Collected: 05/24/22 11:10 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**<12.7**	ug/L	50.0	12.7	5	05/26/22 05:43	05/31/22 14:13	7440-47-3	D3
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**<0.073**	mg/L	0.24	0.073	10		05/26/22 14:16		D3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: NH-26 **Lab ID: 40245401006** Collected: 05/24/22 11:45 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**111**	ug/L	10.0	2.5	1	05/26/22 05:43	05/26/22 17:45	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**<0.0073**	mg/L	0.024	0.0073	1		05/26/22 14:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: TEC-4 **Lab ID: 40245401007** Collected: 05/24/22 11:12 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**2170**	ug/L	20.0	5.1	2	05/26/22 05:43	05/31/22 14:16	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**<0.073**	mg/L	0.24	0.073	10		05/26/22 14:16		D3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: TEC-3 **Lab ID: 40245401008** Collected: 05/24/22 11:50 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**6.1J**	ug/L	10.0	2.5	1	05/26/22 05:43	05/26/22 17:50	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**<0.073**	mg/L	0.24	0.073	10		05/26/22 14:17		D3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: MW-E **Lab ID: 40245401009** Collected: 05/24/22 12:55 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**<2.5**	ug/L	10.0	2.5	1	05/26/22 05:43	05/26/22 17:53	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**<0.0073**	mg/L	0.024	0.0073	1		05/26/22 14:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: MW-F **Lab ID: 40245401010** Collected: 05/24/22 13:30 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**333**	ug/L	10.0	2.5	1	05/26/22 05:43	05/26/22 17:55	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**0.25**	mg/L	0.024	0.0073	1		06/01/22 12:02		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: MW-B **Lab ID: 40245401011** Collected: 05/24/22 12:35 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**394**	ug/L	10.0	2.5	1	05/26/22 05:43	05/26/22 17:57	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**0.31**	mg/L	0.024	0.0073	1		06/01/22 12:02		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 471202.PHASE 02
Pace Project No.: 40245401

Sample: MW-A **Lab ID: 40245401012** Collected: 05/24/22 13:35 Received: 05/24/22 15:17 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Chromium	**242**	ug/L	10.0	2.5	1	05/26/22 05:43	05/26/22 18:00	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay								
Chromium, Hexavalent	**0.19**	mg/L	0.024	0.0073	1		06/01/22 12:02		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 471202.PHASE 02
Pace Project No.: 40245401

QC Batch: 416751
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40245401001, 40245401002, 40245401003, 40245401004, 40245401005, 40245401006, 40245401007, 40245401008, 40245401009, 40245401010, 40245401011, 40245401012

METHOD BLANK: 2399804 Matrix: Water
Associated Lab Samples: 40245401001, 40245401002, 40245401003, 40245401004, 40245401005, 40245401006, 40245401007, 40245401008, 40245401009, 40245401010, 40245401011, 40245401012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium	ug/L	<2.5	10.0	05/26/22 17:01	

LABORATORY CONTROL SAMPLE: 2399805

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium	ug/L	250	258	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2399806 2399807

Parameter	Units	40245381001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	ug/L	<2.5	250	250	253	254	101	101	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 471202.PHASE 02
Pace Project No.: 40245401

QC Batch: 416812
QC Batch Method: SM 3500-Cr B
Analysis Method: SM 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40245401001, 40245401002, 40245401003, 40245401004, 40245401005, 40245401006, 40245401007, 40245401008, 40245401009

METHOD BLANK: 2399999 Matrix: Water
Associated Lab Samples: 40245401001, 40245401002, 40245401003, 40245401004, 40245401005, 40245401006, 40245401007, 40245401008, 40245401009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.0073	0.024	05/26/22 14:06	

LABORATORY CONTROL SAMPLE: 2400000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.3	0.30	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2400001 2400002

Parameter	Units	40245339001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	mg/L	<0.0073	0.3	0.3	0.16	0.17	53	56	90-110	6	20	M0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 471202.PHASE 02
Pace Project No.: 40245401

QC Batch: 417153
QC Batch Method: SM 3500-Cr B
Analysis Method: SM 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40245401010, 40245401011, 40245401012

METHOD BLANK: 2402177 Matrix: Water
Associated Lab Samples: 40245401010, 40245401011, 40245401012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.0073	0.024	06/01/22 12:01	

LABORATORY CONTROL SAMPLE: 2402178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.3	0.31	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2402179 2402180

Parameter	Units	40245431002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	mg/L	<0.0073	0.3	0.3	0.29	0.30	98	98	90-110	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

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QUALIFIERS

Project: 471202.PHASE 02
Pace Project No.: 40245401

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 471202.PHASE 02
Pace Project No.: 40245401

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40245401001	**TEC-1**	EPA 3010A	416751	EPA 6010D	416850
40245401002	**TEC-1A**	EPA 3010A	416751	EPA 6010D	416850
40245401003	**MW-5**	EPA 3010A	416751	EPA 6010D	416850
40245401004	**MW-8**	EPA 3010A	416751	EPA 6010D	416850
40245401005	**NH-7**	EPA 3010A	416751	EPA 6010D	416850
40245401006	**NH-26**	EPA 3010A	416751	EPA 6010D	416850
40245401007	**TEC-4**	EPA 3010A	416751	EPA 6010D	416850
40245401008	**TEC-3**	EPA 3010A	416751	EPA 6010D	416850
40245401009	**MW-E**	EPA 3010A	416751	EPA 6010D	416850
40245401010	**MW-F**	EPA 3010A	416751	EPA 6010D	416850
40245401011	**MW-B**	EPA 3010A	416751	EPA 6010D	416850
40245401012	**MW-A**	EPA 3010A	416751	EPA 6010D	416850
40245401001	**TEC-1**	SM 3500-Cr B	416812		
40245401002	**TEC-1A**	SM 3500-Cr B	416812		
40245401003	**MW-5**	SM 3500-Cr B	416812		
40245401004	**MW-8**	SM 3500-Cr B	416812		
40245401005	**NH-7**	SM 3500-Cr B	416812		
40245401006	**NH-26**	SM 3500-Cr B	416812		
40245401007	**TEC-4**	SM 3500-Cr B	416812		
40245401008	**TEC-3**	SM 3500-Cr B	416812		
40245401009	**MW-E**	SM 3500-Cr B	416812		
40245401010	**MW-F**	SM 3500-Cr B	417153		
40245401011	**MW-B**	SM 3500-Cr B	417153		
40245401012	**MW-A**	SM 3500-Cr B	417153		

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

UPDW5401

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	TRC
Branch/Location:	Chicago
Project Contact:	Chris Harvey
Phone:	
Project Number:	471202. Phase 02
Project Name:	Tecumseh/HARP
Project State:	WI
Sampled By (Print):	Adam Jenne
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: Hexavalent Chromium	Total Chromium	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	TEC-1	5/24	0940	W	X	X			
002	TEC-1A		0945		X	X			
003	MW-5		1025		X	X			
004	MW-8		1028		X	X			
005	NH-7		1110		X	X			
006	NH-26		1145		X	X			
007	TEC-4		1112		X	X			
008	TEC-3		1150		V	V			
009	MW-E		1255		X	X			
010	MW-F		1330		X	X			
011	MW-B		1235		X	X			
012	MW-A		1335		X	X			

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

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

Email #1:	charvey@trccompanies.com
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Caitlin Kuth	5/24/2022 15:17	Anthony Wendel	5/24/22 1517

PACE Project No.: UPDW5401

Receipt Temp = 5.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Preservation Receipt Form

Client Name: TRC Project # WO#:45401

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

Initial when completed: JP Date/ Time:

Lab Lot# of pH paper: 10D3112 Lab Std #ID of preservation (if pH adjusted):

	Glass								Plastic					Vials						Jars				General							
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001										I		I																		X		2.5 / 5 / 10
002										I		I																		X		2.5 / 5 / 10
003										I		I																		X		2.5 / 5 / 10
004										I		I																		X		2.5 / 5 / 10
005										I		I																		X		2.5 / 5 / 10
006										I		I																		X		2.5 / 5 / 10
007										I		I																		X		2.5 / 5 / 10
008										I		I																		X		2.5 / 5 / 10
009										I		I																		X		2.5 / 5 / 10
010										I		I																		X		2.5 / 5 / 10
011										I		I																		X		2.5 / 5 / 10
012										I		I																		X		2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018														5.24.22 JP																		2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

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	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40245401

40245401

Client Name: TRC

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

Tracking #:

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

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

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

Thermometer Used SR-108 **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5 /Corr: 5.1

Person examining contents:
Date: 5-24-22 /Initials: AC

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

Labeled By Initials: MP

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. Filt.?, Preservation, Mail contact 5-24-22 MP
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.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:		8.
For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

TRC