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Note: In order to fill and save this form electronically, it must be opened using Adobe Reader or Acrobat software. Save a copy of the file, open Adobe Reader, select File > Open and browse for the file you saved.

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 10/21)

Notice: Use this form to request **a written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This from should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do not use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf"

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name	First	MI	Organization/ Business Name		
Millis	Dan		Millis Transfer LLC		
Mailing Address			City	State	ZIP Code
PO Box 550			Black River Falls	WI	54615
Phone # (include area code)	Fax # (include area code)		Email		
(715) 284-4384			dan.millis@millistransfer.com		

The requester listed above: (select all that apply)

- ☒ Is currently the owner
- ☐ Is considering selling the Property
- ☐ Is renting or leasing the Property
- ☐ Is considering acquiring the Property
- ☐ Is a lender with a mortgagee interest in the Property
- ☐ Other. Explain the status of the Property with respect to the applicant:

Contact Information (to be contacted with questions about this request)

☒ Select if same as requester

Contact Last Name	First	MI	Organization/ Business Name		
Millis	Dan		Millis Transfer LLC		
Mailing Address			City	State	ZIP Code
PO Box 550			Black River Falls	WI	54615
Phone # (include area code)	Fax # (include area code)		Email		
(715) 284-4384			dan.millis@millistransfer.com		

☒ Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Wagner	Ashley		Cedar Corporation		
Mailing Address			City	State	ZIP Code
W61 N497 Washington Ave			Cedarburg	WI	53012
Phone # (include area code)	Fax # (include area code)		Email		
(920) 309-2289			ashley.wagner@cedarcorp.com		

Attorney (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Mailing Address			City	State	ZIP Code
Phone # (include area code)	Fax # (include area code)		Email		

Property Owner (if different from requester)

Contact Last Name	First	MI	Organization/ Business Name		
Mailing Address			City	State	ZIP Code
Phone # (include area code)	Fax # (include area code)		Email		

Section 2. Property Information

Property Name			FID No. (if known)
Millis Transfer - Richfield			
BRRTS No. (if known)	Parcel Identification Number		
	035200A		
Street Address	City	State	ZIP Code
3001 W Holy Hill Road	Richfield	WI	53076

County	Municipality where the Property is located	Property is composed of:	Property Size Acres
Washington	○ City ○ Town ◉ Village of Richfield	◉ Single tax parcel ○ Multiple tax parcels	14.92

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

◉ No ○ Yes

Date requested by: _____

Reason:

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

◉ No. **Include the fee that is required for your request in Section 3, 4 or 5.**

○ Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:
Section 3. Technical Assistance or Post-Closure Modifications;
Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [**Numbers in brackets are for WI DNR Use]**

- ☐ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - Include a fee of $350. Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- ☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of $700.**
- ☐ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of $1050.**
- ☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of $350**
- ☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of $425.**
- ☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of $425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- ☐ Schedule a Technical Assistance Meeting - **Include a fee of $700.**
- ☐ Hazardous Waste Determination - **Include a fee of $700.**
- ☐ Other Technical Assistance - **Include a fee of $700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- ☐ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of $1050, and:**
  - ☐ Include a fee of $300 for sites with residual soil contamination; and
  - ☐ Include a fee of $350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

☐ **Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.**

Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. **[Numbers in brackets are for DNR Use]**

☐ "Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the real Property, and/or the personal Property and fixtures;

(2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;

(3) the date the environmental assessment was conducted by the lender;

(4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.

(5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.

(6) a copy of the Property deed with the correct legal description; and,

(7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).

(8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292. 21(1)(c)2.,h.-i., Wis. Stats.:

h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.

i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

☐ "Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the Property;

(2) the date of Property acquisition by the representative;

(3) the means by which the Property was acquired;

(4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;

(5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and

(6) a copy of the Property deed with the correct legal description.

☐ Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

☐ hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];

☐ Perceived environmental contamination - [649];

☐ hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or

☐ solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ **Include a fee of $700, a summary of the environmental liability clarification being requested, and the following:**

(1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).

(2) current and proposed ownership status of the Property;

(3) date and means by which the Property was acquired by the LGU, where applicable;

(4) a map and the ¼, ¼ section location of the Property;

(5) summary of current uses of the Property;

(6) intended or potential use(s) of the Property;

(7) descriptions of other investigations that have taken place on the Property; and

(8) (for solid waste clarifications) a summary of the license history of the facility.

Section 4. Request for Liability Clarification (cont.)

☐ Lease liability clarification - s. 292.55, Wis. Stats. [646]

- ❖ **Include a fee of $700 for a single Property, or $1400 for multiple Properties and the information listed below:**

(1) a copy of the proposed lease;

(2) the name of the current owner of the Property and the person who will lease the Property;

(3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;

(4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;

(5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and

(6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

- ❖ **Include a fee of $700 and an adequate summary of relevant environmental work to date.**

☒ No Action Required (NAR) - NR 716.05, [682]

- ❖ **Include a fee of $700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

☐ Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

- ❖ **Include a fee of $700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/lgu.html#tabx4.

☐ Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,

(2) a copy of the Property deed with the correct legal description.

☐ Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,

(2) a copy of the Property deed with the correct legal description.

☐ Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

- ❖ **Include a fee of $1400, and the information listed below:**

(1) a draft schedule for remediation; and,

(2) the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

- ☐ Phase I Environmental Site Assessment Report - Date: _____
- ☐ Phase II Environmental Site Assessment Report - Date: _____
- ☐ Legal Description of Property (required for all liability requests and specialized agreements)
- ☒ Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

☐ Groundwater ☒ Soil ☐ Sediment ☐ Other medium - Describe: _____

Date of Collection: 12/02/2022

- ☐ A copy of the closure letter and submittal materials
- ☐ Draft tax cancellation agreement
- ☐ Draft agreement for assignment of tax foreclosure judgment
- ☒ Other report(s) or information - Describe: Site Status Update Letter

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

- ○ Yes - Date (if known): _____
- ◉ No

Note: The Notification for Hazardous Substance Discharge Form - Non-Emergency Only (Form 4400-225) is accessible through the RR Program Submittal Portal application. Directions for using the form and the Submittal Portal application are available on the Submittal Portal web page.

Section 7. Certification by the Person who completed this form

- ☐ I am the person submitting this request (requester)
- ☒ I prepared this request for: Millis Transfer LLC
  Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

Ashley A. Wagner
Signature

1/17/2023
Date Signed

Senior Geologist
Title

(920) 309-2289
Telephone Number (include area code)

Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a DNR regional brownfields specialist with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.

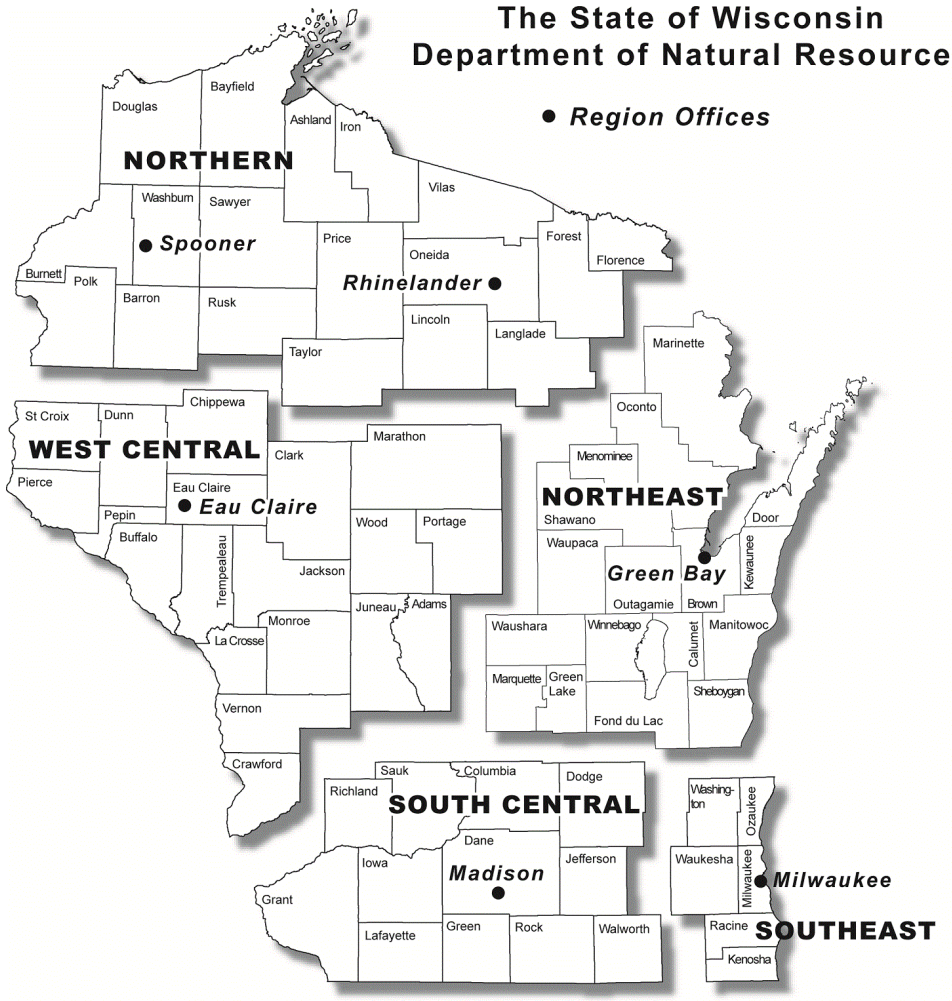
DNR NORTHERN REGION
Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION
Attn: RR Program Assistant
Milwaukee DNR Office
1027 West St. Paul Ave
Milwaukee WI 53233

DNR WEST CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer	Comments		
Fee Enclosed? ◯ Yes ◯ No	Fee Amount $	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		

Cedar CORPORATION

community infrastructure | architecture | environmental

W61 N497 Washington Avenue
Cedarburg, WI 53012

262-491-2346
800-204-7372
FAX 920-491-9020
www.cedarcorp.com

January 17, 2023

Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment
Attn: Alice Egan
1027 W. St. Paul Avenue
Milwaukee, WI 53233

RE: SITE STATUS UPDATE – MILLIS TRANSFER – 3001 W HOLY HILL ROAD, RICHFIELD, WI

Dear Ms. Egan:

Cedar Corporation (Cedar) is providing this site status update for Millis Transfer located at 3001 W Holy Hill Road, Richfield, Wisconsin (Site), reference Figure 1 – Site Location Map, attached).

Background:

On June 3, 2022, a 15,000-gallon diesel underground storage tank (UST) and associated piping was closed by removal. A total of 12 Tank System Site Assessment (TSSA) soil samples were collected following tank and piping removal. Base samples were not obtained from the tank cavity, as groundwater was encountered at approximately 13 feet below ground surface (ft bgs). Soil samples were submitted to Eurofins Analytical Laboratory in Chicago, Illinois for laboratory analysis of petroleum volatile organic compounds (PVOCs) and naphthalene. The TSSA report is included in Attachment A.

Of the 12 samples, two (2) samples, S-1 and S-12 (located at the western end of the tank cavity, closest to the associate piping and main dispenser), detected total trimethylbenzenes exceeding the Wisconsin Administrative Code (WAC) ch. NR 720 Soil to Groundwater Pathway Residual Contaminant Levels (RCLs), reference Table 1 - Soil Analytical Table and Attachment D – Laboratory Analytical Reports, attached.

Based on the analytical results from the TSSA sampling, Cedar recommended additional groundwater sampling to determine if the onsite groundwater has been impacted.

Monitoring Well Installation:

On October 28, 2022, On-Site Environmental of Sun Prairie, Wisconsin installed a 1” polyvinyl chloride (PVC) ch. NR 141 compliant monitoring well (MW-1) using dual-tube Geoprobe drilling techniques. The monitoring well was installed in the vicinity of S-1 and S-12, to a depth of 20 feet below ground surface (ft bgs), with a 10-foot screen, and riser to the surface, reference Figure 2 – Detailed Site Map, attached. The well was completed with a steel flushmount protective cover. At the time of drilling the ground surface was sand and gravel backfill from tank removal activities. The area was paved with asphalt in November 2022, and the integrity of the well and protective cover was maintained, reference Attachment C – Photo Log, attached.

Well Development and Sampling (November):

On November 2, 2022, Cedar developed the well using a peristaltic pump. Approximately 16 gallons of water was purged from the well to rid it of any sediment. All purge water was containerized in a steel 55-gallon drum staged at the Site.

Groundwater Sampling and Analytical Results:

On November 2, 2022, following well development activities, a groundwater sample was collected from MW-1, using a peristaltic pump, and submitted for laboratory analysis of PVOCs and naphthalene, reference Attachment B – Field Forms, attached.

In addition to sampling the newly installed monitoring well, the onsite private water supply well (PW-1) was also sampled. A faucet was turned on inside the facility and ran for approximately 10 minutes. A water sample was collected from the pressure tank and submitted for laboratory analysis of PVOCs and naphthalene, reference Attachment B – Field Forms, attached.

Analytical results identified the concentration of benzene exceeding the applicable WAC ch. NR 140 Preventive Action Limit (PAL) of 0.5 ug/L at MW-1. There were no other exceedances identified at MW-1 or PW-1, reference Table 2 – Groundwater Analytical Table and Attachment D – Laboratory Analytical Reports, attached.

As the concentration of benzene only marginally exceeded the PAL, at 0.53 ug/L, a second sampling round at MW-1 was recommended. On December 2, 2022, Cedar purged and sampled MW-1 using a peristaltic pump. Approximately 15 gallons of water was purged from the well to rid it of any sediment. All purge water was containerized in a steel 55-gallon drum staged at the Site. A sample was collected from the well and submitted for laboratory analysis of PVOCs and naphthalene, reference Attachment B – Field Forms, attached. Analytical results from this sampling event did not identify any WAC ch. NR 140 exceedances, reference Table 2 – Groundwater Analytical Table and Attachment D – Laboratory Analytical Reports, attached.

Conclusions:

The conclusions of the investigative and remedial activities are listed below.

- Tank
    - The 15,000-gallon diesel tank and associated piping was removed from the site on June 3, 2022.
    - The tank cavity was backfilled with sand and gravel fill.
    - The area was paved with asphalt in November 2022.
- Soils
    - TSSA soil sample results identified total trimethylbenzenes WAC ch. NR 720 Soil to Groundwater Pathway RCL exceedances in two samples, S-1 (3 ft bgs), and S-12 (12 ft bgs).
- Groundwater
    - A monitoring well, MW-1, was installed in the former tank cavity, near S-1 and S-12 to a depth of approximately 20 ft bgs on October 28, 2022.
    - MW-1 was developed and sampled on November 2, 2022.
        - Benzene was detected exceeding the applicable WAC ch. NR 140 PAL.
    - A sample was collected from the onsite potable well (PW-1) on November 2, 2022.
        - There were no WAC ch. NR 140 exceedances.
    - MW-1 was re-sampled on December 2, 2022.
        - There were no WAC ch. NR 140 exceedances.

Recommendations:

Based on the review of environmental conditions completed through the course of the tank removal and investigation activities, the Site has been investigated to the extent reasonable. Low-levels of total trimethylbenzenes were detected in two adjacent samples on the western wall of the former tank cavity and beneath the associated piping, and remain onsite. Confirmation groundwater sampling did not identify any WAC ch. NR 140 exceedances. Cedar recommends that the Site be issued "No Action Required" by the WDNR as the source of the contamination (UST) was successfully removed from the Site, and the residual soil impacts are not impacting the onsite groundwater.

Sincerely,

Ashley Wagner, P.G.,
Professional Geologist

Dan O'Connell, P.G., C.P.G.,
Environmental Manager

Attachments:
Figure 1 – Site Location Map
Figure 2 – Detailed Site Map
Table 1 – Soil Analytical Table
Table 2 – Groundwater Analytical Table
Attachment A – TSSA Report
Attachment B – Field Forms
Attachment C – Photo Log
Attachment D – Laboratory Analytical Reports

Figure(s)

Figure 1 – Site Location Map

Figure 2 – Detailed Site Map

NORTH

W E

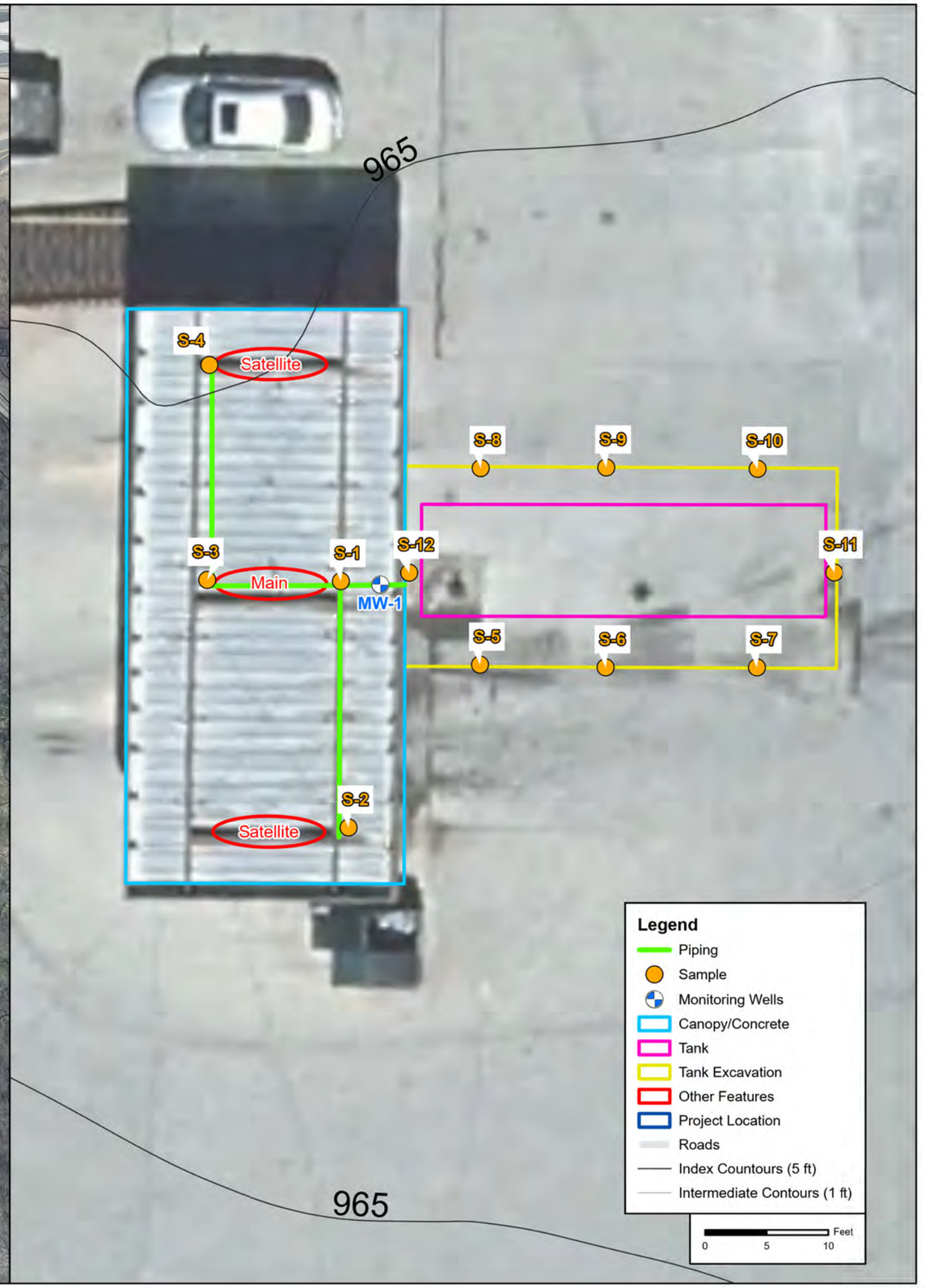
S

Cedar CORPORATION

Location Map
Millis Transfer

3001 W HOLY HILL ROAD
VILLAGE OF RICHFIELD
WASHINGTON COUNTY, WISCONSIN

JOB NO.	M6838
DATE	12/19/2022
FIGURE	Fig. 1



NORTH
W
E
S

Cedar Corporation

Detailed Site Map
Millis Transfer

3001 W HOLY HILL ROAD
VILLAGE OF RICHFIELD
WASHINGTON COUNTY, WISCONSIN

JOB NO.
M6838

DATE
12/20/2022

FIGURE
Fig. 2

Tables

Table 1
Soil Analytical Results
Millis Transfer - Richfield
3001 W Holy Hill Road
Richfield, WI

Analyte	Units	Groundwater Pathway RCL	Non-Industrial Direct Contact RCL	Industrial Direct Contact RCL	Background Threshold Value	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11	S-12
					Date	6/3/2022	6/3/2022	6/3/2022	6/3/2022	6/3/2022	6/3/2022	6/3/2022	6/3/2022	6/3/2022	6/3/2022	6/3/2022	6/3/2022
					Depth (ft bgs)	3	3	3	3	12	12	12	12	12	12	12	12
					PID (ppmv)	130.4	0.7	0.2	0.2	0.4	0.3	0.2	0.4	0.5	1.0	1.4	171.1
Volatile Organic Compounds (VOCs)																	
1,2,4-Trimethylbenzene[1]	µg/kg	***1,378.71***	219,000	219,000	--	***5,700***	<21.0	<21.0	<21.0	<21.0	<21.0	<21.0	<21.0	<22.0	<21.0	<22.0	***9,400***
1,3,5-Trimethylbenzene[1]	µg/kg	***1,378.71***	182,000	182,000	--	***2,500***	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<23.0	<23.0	<23.0	***3,100***
Benzene	µg/kg	***5.1***	1,600	7,070	--	<17.0	<8.5	<8.6	<8.6	<8.6	<8.4	<8.6	<8.5	<8.9	<8.7	<8.8	<8.6
Ethylbenzene	µg/kg	***1,570***	8,020	35,400	--	670	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	1,100
Methyl-tert-butyl ether	µg/kg	***27.0***	63,800	282,000	--	<45.0	<23.0	<23.0	<23.0	<23.0	<23.0	<23.0	<23.0	<24.0	<24.0	<24.0	<23.0
Naphthalene	µg/kg	***658.2***	5,520	24,100	--	<38.0	<19.0	<20.0	<20.0	<20.0	<19.0	<20.0	<19.0	<20.0	<20.0	<20.0	<20.0
Toluene	µg/kg	***1,107.2***	818,000	818,000	--	<17.0	<8.5	<8.6	<8.6	<8.7	<8.5	<8.6	<8.5	<8.9	<8.8	<8.9	12.0 J
Total Xylene	µg/kg	***3,960***	260,000	260,000		3,300	<13.0	<13.0	<13.0	<13.0	<13.0	<13.0	<13.0	<13.0	<13.0	<13.0	3,100

Notes:
* = Exceedance was observed but analytical result is below Background Threshold Value (BTV)
100 Exceedance of the NR 720 RCL for Soil-to-Groundwater Pathway
100 Exceedance of the NR 720 RCL for Non-Industrial Direct Contact
100 Exceedance of the NR 720 RCL for Industrial Direct Contact
PID = Photoionization Detector
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
ppmv = parts per million per volume
ft bgs= feet below ground surface
RCL = Residual Contaminant Level
< = analyte not detected above laboratories limit of detection
J = Analyte detected at concentrations between the limit of detection and the limit of quantification
B = Compound was found in the blank sample
NA = Not analyzed
-- = Not established
** = Not exceeded per ch. NR 720.07(2)(c) If a soil cleanup standard for a soil contaminant is between the limit of detection and the limit of quantitation, the soil cleanup standard shall be considered to be exceeded if the soil contaminant concentration is reported at or above the limit of quantitation.
[1] = Soil to Groundwater Pathway RCLs are for 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene combined.
[2] = Soil to Groundwater Pathway RCLs are for cis-1,2-Dichloropropene and trans-1,3-Dichloropropene combined
[3] = Soil to Groundwater Pathway RCLs are for m, p and o xylenes combined (total xylenes)

Table 2
Groundwater Analytical Results
Millis Transfer - Richfield
3001 W Holy Hill Road
Richfield, WI

Parameter	Units	ch. NR 140 ES	ch. NR 140 PAL	MW-1		PW-1
				11/02/2022	12/02/2022	11/02/2022
Volatile Organic Compounds (VOCs)						
1,2,4-Trimethylbenzene[1]	ug/L	**480**	**96**	2.4	3.2	<0.36
1,3,5-Trimethylbenzene[1]	ug/L	**480**	**96**	0.82 J	0.97 J	<0.25
Benzene	ug/L	**5.0**	**0.5**	**0.53**	0.26 J	<0.15
Ethylbenzene	ug/L	**700**	**140**	1.7	2.9	<0.18
Methyl-tert-butyl ether	ug/L	**60**	**12**	<0.39	<0.39	0.70 J
Naphthalene	ug/L	**100**	**10**	<0.34	0.44 J	<0.34
Toluene	ug/L	**800**	**160**	0.59	0.65	<0.15
Xylenes (total)[2]	ug/L	**2,000**	**400**	7.2	8.2	<0.22

Notes:

-- = No Established Standard

Bold/Red = Concentration exceeds NR 140 Enforcement Standard

Bold/Blue = Concentration exceeds NR 140 Preventive Action Limit

ug/L = Micrograms per liter

mg/L = Milligrams per liter

NA = Not analyzed

J = Reported value was between the limit of detection and the limit of quantitation.

** = Not exceeded per ch. NR 140.14(3)(c) If the preventive action limit or enforcement standard is between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or enforcement standard to be attained or exceeded if the concentration of a substance is reported at or above the limit of quantitation.

[1] = ES and PAL levels are for 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene combined

[2] = ES and PAL levels are for m, p and o xylenes combined (total xylenes)

[3] = ES and PAL are Public Welfare (ch. NR 140 Table 2) Standards

Appendices

Attachment A – TSSA Report

TR-WM-140 (4/22) Formerly ERS-8951

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures
P.O. Box 7837, Madison, WI 53707-7837
(608) 224-4942

Wis. Admin. Code §ATCP 93.560

FOR OFFICE USE ONLY

TANK SYSTEM SERVICE AND CLOSURE ASSESSMENT REPORT

Personal information you provide may be used for purposes other than that for which it was originally collected (s. 15.04(1)(m) Wis. Stats.).

Complete One Form for Each System Service Event

FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE 'N/A' BOX

CHECK ONE: ☒ **UNDERGROUND** ☐ **ABOVEGROUND**

Part A – To be completed by contractor performing repair or closure

A. TYPE OF SERVICE ☒ CLOSURE ☐ REPAIR/UPGRADE ☐ CHANGE-IN-SERVICE

Indicate portion of system being serviced if a repair, upgrade or change-in-service is being performed

☐ Remote fill ☐ Tank ☐ Piping ☐ Transition/containment sump ☐ Spill bucket ☐ Dispenser

B. IDENTIFICATION

OWNER INFORMATION

OWNER NAME	CONTACT NAME	TITLE
MILLIS TRANSFER INC 412663	CRAIG SCHMIDT	

MAILING ADDRESS	☐ CITY ☐ TOWN ☐ VILLAGE	STATE	ZIP
P.O. BOX 550	BLACK RIVER FALLS	WI	54615

TELEPHONE:	E-MAIL
(715) 299 - 2319	

SITE INFORMATION

FACILITY NAME
MILLIS TRANSFER INC

SITE ADDRESS (Not PO Box)	☐ CITY ☐ TOWN ☒ VILLAGE	STATE	ZIP
3001 STATE RD 167 W	RICHFIELD	WI	53076

SERVICE CONTRACTOR INFORMATION

PRIMARY SERVICE CONTRACTOR Section A Above	SERVICE CONTRACTOR CERT ID #	TELEPHONE:	CELL:
ADVANCED TANK SERVICE, INC	507193	(715) 831 - 8484	(715) 579 - 8324

STREET ADDRESS	☐ CITY ☐ TOWN ☐ VILLAGE	STATE	ZIP
P.O. BOX 1072	EAU CLAIRE	WI	54702

C. TANK SYSTEM DETAIL (Complete for all service activities)

a	b	c	d	e	f	g	h	
Tank ID #	Type of Closure[1]	Tank Material of Construction	Piping Material of Construction	Tank Capacity (gallons)	Contents[2]	Release - System Integrity Compromised (e.g. holes, cracks, loose connection,	If "Yes" to "g", Then Specify Source and Cause of Release[5]	
							Source of Release[3]	Cause of Release[4]
113523	P	STEEL	FRP	15000	DL	☐ Yes ☒ No		
						☐ Yes ☐ No		
						☐ Yes ☐ No		
						☐ Yes ☐ No		
						☐ Yes ☐ No		
						☐ Yes ☐ No		

1. Indicate type of closure: P = Permanent, TOS = Temporarily Out-of-Service, CIP = Closure In-Place
2. Indicate type of product: DL = Diesel, LG = Leaded Gasoline, UG = Unleaded Gasoline, FO = Fuel Oil, GH = Gasohol, AF = Aviation Fuel, K = Kerosene, PX = Premix, WO = Waste/Used Motor Oil, FCHZW = Flammable/Combustible Hazardous Waste, OC = Other Chemical (indicate the chemical name(s):

3. CAS number(s):

4. Source of release: T = tank, P = piping, D = dispenser, STP = submersible turbine pump, DP = delivery problem, O = other, UNK = Unknown
5. Cause of release:
   S = spill, O = overfill, POMD = physical or mechanical damage, C = corrosion, IP = installation problem, O = other, UNK = Unknown
6. Has release been reported to the Department of Natural Resources? ☐ Yes ☐ No ☒ Release not evident at this time (pending sample analysis)

Part A Distribution: DATCP DNR Inspector Contractor Owner

D. CLOSURES (Check applicable box at right in response to all statements in section D)

Written notification was provided to the local agent 5 days in advance of closure date. ☑ Yes ☐ No

All local permits were obtained before beginning closure. ☑ Yes ☐ No ☐ NA

☑ UST Form TR-WM-137 or ☐ AST Form TR-WM-118 filed by owner with the DATCP indicating closure. ☑ Yes ☐ No ☐ NA

NOTE: *TANK INVENTORY FORM TR-WM-137 or TR-WM-118 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE or CHANGE-IN-SERVICE CHECKLIST*

D. ☑ CLOSURE BY REMOVAL OR IN-PLACE

1. General Requirements	Remover Verified	Inspector Verified	Inspector Not Present	NA
a. Product from piping drained into tank (or other container).	☑ Y ☐ N	☑ Y ☐ N	☐	☐
b. Piping disconnected from tank and removed.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
c. All liquid and residue removed from tank using explosion-proof pumps or hand pumps prior to removing tank from excavation.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
d. All pump motors and suction hoses bonded to tank or otherwise grounded.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
e. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures	☑ Y ☐ N	☑ Y ☐ N	☐	☐
f. Vent lines left connected until tanks purged.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
g. Tank openings temporarily plugged so vapors exit through vent.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
h. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section E.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
2. Specific Closure-by-Removal Requirements				
a. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
b. Tank cleaned before being removed from site.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
c. Tank labeled in full compliance with API 1604 after removal but before being moved from site.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
NOTE: *COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; MONTH/DAY/YEAR OF REMOVAL*				
d. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site.	☐ Y ☐ N	☐ Y ☐ N	☐	☑
e. Site security is provided while the excavation is open.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
3. Specific Closure-In-Place Requirements				
NOTE: *CLOSURES IN-PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION (DATCP) OR LOCAL AGENT.*				
a. Tank properly cleaned to remove all sludge and residue.	☐ Y ☐ N	☐ Y ☐ N	☐	☐
b. Solid inert material (sand, cyclone boiler slag, or pea gravel recommended) introduced and tank filled.	☐ Y ☐ N	☐ Y ☐ N	☐	☐
c. Vent line disconnected or removed.	☐ Y ☐ N	☐ Y ☐ N	☐	☐
d. Inventory form filed by owner with DATCP indicating closure in-place.	☐ Y ☐ N	☐ Y ☐ N	☐	☐

E. ☐ REPAIR, UPGRADE OR CHANGE-IN-SERVICE

Written notification was provided to the local agent 5 days in advance of service date.	☐ Y	☐ N	☐ NA
All local permits were obtained before beginning service.	☐ Y	☐ N	☐ NA
Form TR-WM-137 or 0 TR-WM-118 filed by owner with DATCP indicating change-in-service.	☐ Y	☐ N	☐ NA

F. METHOD OF VAPOR FREEING OF TANK

☐ Displacement of vapors by eductor or diffused air blower.

Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.

☐ Inert gas using dry ice or liquid carbon dioxide.

☐ Inert gas using CO2 or N2 **NOTE:** *INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. LEL METERS MAY NOT FUNCTION ACCURATELY. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.*

Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.

Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☑ Readings of 10% or less of the lower flammable range (LEL) or <5% oxygen obtained before removing tank from ground.

☑ Tank atmosphere monitored for flammable or combustible vapor levels prior to and during cleaning and cutting.

☑ Calibrate combustible gas indicator and/or oxygen meter prior to use. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank.

TR-WM-140 (4/22) Formerly ERS-8951

G. REMOVER/CLEANER INFORMATION

REMOVER/CLEANER NAME (PRINT):	REMOVER/CLEANER SIGNATURE	CERTIFICATION #	DATE TANK REMOVED
Justin Peloquin	J n P	401548	6-3-22

I attest that the procedures and information which I have provided as the tank closure contractor are correct and comply with ATCP 93.

Company expected to perform soil contamination assessment cedar corp 401889

Distribution: DATCP DNR Inspector Contractor Owner

H. INSPECTOR INFORMATION

Jason Karczewski		468444	DATCP
INSPECTOR NAME (PRINT)	INSPECTOR SIGNATURE	INSPECTOR CERTIFICATION #	LPO AGENCY/COMPANY NAME

6610 Richfield	(262) 307-6440	6/3/22
FDID # FOR LOCATION WHERE INSPECTION PERFORMED	INSPECTOR TELEPHONE NUMBER	DATE SIGNED

INSPECTOR NOTES:

Distribution: DATCP DNR Inspector Contractor Owner

TR-WM-140 (4/22) Formerly ERS-8951

Part B – To be completed by environmental professional - Submit *original* Part B to the WDNR along with a *copy* of Part A

I. TANK-SYSTEM SITE ASSESSMENT (TSSA)

SITE NAME - ***Note: SITE NAME and address MUST MATCH with Part A Section 1.***

Millis Transfer LLC

SITE ADDRESS (Not PO Box)	☒ CITY ☐ TOWN ☐ VILLAGE	STATE	ZIP
3001 State HWY 167	Richfield	WI	53076

To determine if a TSSA is required, see ATCP 93 and section II part B of *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

If a TSSA is required, then follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS*

1. Site Information

a. Has there been a previously documented release at this site? ☐ Y ☒ N

If yes, provide the DATCP # _____ or DNR BRRT's # _____

b. Number of active tanks at facility prior to completion of current services: USTs 1 ASTs 0

(**NOTE 1**: *Do not include previously closed systems or system components.*)

c. Excavation/trench dimensions (in feet). (Photos must be provided.)

EXCAVATION/TRENCH #	LENGTH	WIDTH	DEPTH
Tank Bed	34	17	12
Piping	24	4	3

2. Visual Excavation/Trench Inspection (Photos must be provided for "Yes" responses, except item b.)

Do any of the following conditions exist in or about the excavation(s)?

a. Stained soils: ☐ Yes ☒ No b. Petroleum odor: ☒ Yes ☐ No c. Water In excavation/trench: ☒ Yes ☐ No

d. Free product in the excavation/trench: ☐ Yes ☒ No e. Sheen or free product on water: ☐ Yes ☒ No

3. Geology/Hydrogeology

a. Depth to groundwater 13 feet b. Indicate type of geology[2] Silty sand

4. Receptors

a. Water supply well(s) within 250 feet of the facility? ☒ Yes ☐ No If yes, specify: Potable well on site, specific location unknown

b. Surface water(s) within 1000 feet of the facility? ☐ Yes ☒ No If yes, specify: _____

5. Sampling

a. Follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

b. Complete Tables 1 and 2 as appropriate. (Attach chain-of-custody and laboratory analytical reports.)

c. Attach a detailed map of site features and sample locations.

J. NOTE RELEVANT OBSERVATIONS, SPECIFIC PROBLEMS OR CONCERNS BELOW

Groundwater was encountered in the bottom of the excavation. No base samples were collected. Sidewall samples were collected approximately 12 feet below ground surface, just above the water table. Soil samples S-1 and S-12 had elevated PID readings. The western tank wall was approximately 8 feet from the master pump. Soil sample S-1 was collected approximately 3 feet below the master pump. Soil sample S-12 was collected from the west side wall at approximately 12 feet. Sample S-12 acts as a confirmation sample from beneath soil sample S-1. 1,2,4-Trimethylbenzene was detected in the trip blank at 32J micrograms per kilogram, the result was detected between the laboratory limit of detection and the limit of quantification.

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method				Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
		Grab	Shelby Tube	Direct Push	Split Spoon				
S-1	East master piping / Silty sand	☒	☐	☐	☐	-3	130.4		
S-2	South satellite piping / Silty sand	☒	☐	☐	☐	-3	0.7		
S-3	West master piping / Silty sand	☒	☐	☐	☐	-3	0.2		
S-4	North satellite piping / Silty sand	☒	☐	☐	☐	-3	0.2		
S-5	Southwest wall / Silty sand	☒	☐	☐	☐	-12	0.4		
S-6	South wall / Silty sand	☒	☐	☐	☐	-12	0.3		
S-7	Southeast wall / Silty sand	☒	☐	☐	☐	-12	0.2		
S-8	Northwest wall / Silty sand	☒	☐	☐	☐	-12	0.4		
S-9	North wall / Silty sand	☒	☐	☐	☐	-12	0.5		
S-10	Northeast wall / Silty sand	☒	☐	☐	☐	-12	1.0		
S-11	East wall / Silty sand	☒	☐	☐	☐	-12	1.4		
S-12	West wall / Silty sand	☒	☐	☐	☐	-12	171.1		
		☐	☐	☐	☐				
		☐	☐	☐	☐				

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
S-1	<17	<17	670	<45	8,200	3,300	<38
S-2	<8.5	<8.5	<11	<23	<22	<13	<19
S-3	<8.6	<8.6	<11	<23	<22	<13	<20
S-4	<8.6	<8.6	<11	<23	<22	<13	<20
S-5	<8.6	<8.7	<11	<23	<22	<13	<20
S-6	<8.4	<8.5	<11	<23	<22	<13	<19
S-7	<8.6	<8.6	<11	<23	<22	<13	<20
S-8	<8.5	<8.5	<11	<23	<22	<13	<19
S-9	<8.9	<8.9	<11	<24	<23	<13	<20
S-10	<8.7	<8.8	<11	<24	<23	<13	<20
S-11	<8.8	<8.9	<11	<24	<23	<13	<20
S-12	<8.6	12JB	1,100	<23	12,500	3,100	<20
Trip Blank	<7.3	<7.4	<9.2	<20	32J	<11	<17

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

☐ As a tank-system site assessor certified under Wis. Admin. Code section ATCP 93.240, it is my opinion that there is no indication of a release of a regulated substance to the environment.

☒ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section ATCP 93.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter ATCP 93 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of $10 and a maximum of $5000 for each violation under Wis. Stats. Section 168.26 (5). Each day of continued violation and each tank are treated as separate offenses.

Quin Lenz		494047
TANK-SYSTEM SITE ASSESSOR NAME (PRINT):	TANK-SYSTEM SITE ASSESSOR SIGNATURE	CERTIFICATION NO.

(920) 491 - 9081	6/20/2022	Cedar Corporation
TANK-SYSTEM SITE ASSESSOR TELEPHONE NUMBER	DATE SIGNED	COMPANY NAME

This document can be made available in alternate formats to individuals with disabilities upon request.

Distribution: DATCP DNR Inspector Contractor Owner

TR-WM-137 (9/20) Formerly ERS 7437

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures
PO Box 7837 Madison, WI 53707-7837
(608) 224-4942

FOR OFFICE USE ONLY

Wis. Admin. Code §ATCP 93.140

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Personal information you provide may be used for purposes other than that for which it was originally collected (s. 15.04(1)(m) Wis. Stats.).

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered.
A separate form is needed for each tank. Send each completed form to the agency designated above.

Have you previously registered this tank by submitting a form? ☒ Yes ☐ No If yes, are you correcting/updating information only? ☒ Yes ☐ No

This registration applies to a ☒ tank ☐ piping status that is *(check one)*: Date of status change: 6/3/2022

☐ In Use ☐ Abandoned with Water ☐ Abandoned with Product
☐ Newly Installed ☒ Closed - Removed ☐ Abandoned without Product (empty)
☐ Temporarily Out of Service – Provide Date: ☐ Closed – Filled with Inert Materials ☐ Change of Site/Facility Address Only (complete boxes 1.a. and b. below)
☐ Ownership Change (Indicate new owner name in box 2 – *attach deed)*

IDENTIFICATION (Please Print)

1. TANK SITE NAME MILLIS TRANSFER INC	COUNTY WASHINGTON	PHONE ( ) -	
a. CURRENT SITE STREET ADDRESS 3001 STATE RD 167 W	☐ CITY ☒ VILLAGE ☐ TOWN OF: RICHFIELD	STATE WI	ZIP 53076
b. PREVIOUS SITE STREET ADDRESS	☐ CITY ☐ VILLAGE ☐ TOWN OF:	STATE	ZIP

Fire Dept. providing fire coverage where tank is located: ☐ CITY ☐ TOWN ☒ VILLAGE of: RICHFIELD #6610

2. TANK OWNER LEGAL NAME MILLIS TRANSFER INC	COUNTY JACKSON	PHONE: Check ☐ CELL or ☐ LAND (715) 299 - 2319	
MAILING ADDRESS P.O. BOX 550	☐ CITY ☐ VILLAGE ☐ TOWN OF: BLACK RIVER FALLS	STATE WI	ZIP 54615
3. PROPERTY OWNER NAME *(if different from Tank Owner Legal Name #2)*	COUNTY *(if different from County #2)*		
PROPERTY OWNER ADDRESS *(if different from Site Street Address #1)*	☐ CITY ☐ VILLAGE ☐ TOWN OF:	STATE	ZIP

4. CLASS A NAME	DOB	CERTIFICATION: (Attach certificate)
5. CLASS B NAME	DOB	CERTIFICATION: (Attach certificate)

SITE ID:	**FACILITY ID #** 412683	**CUSTOMER ID #**
Tank Capacity (gallons): 15000	Tank Age (age or date installed):	Vehicle fueling: ☒ Yes ☐ No

LAND OWNER TYPE *(Refer to back; check one)*: ☐ County ☐ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☒ Private

OCCUPANCY TYPE *(check one)* Refer to back
☐ Retail Fuel Sales ☒ Mercantile/Commercial ☐ Bulk Storage ☐ Terminal Storage ☐ Industrial ☐ Residential ☐ School ☐ Government Fleet
☐ Agricultural (crop or livestock production) ☐ Utility ☐ Backup or Emergency Generator ☐ Other (specify):

TANK CONSTRUCTION:
☐ Bare Steel ☒ Coated Steel ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Fiberglass ☐ Unknown ☐ Other (specify): ☐ Lined (date):

Overfill Protection? ☒ Yes ☐ No
Spill Containment? ☒ Yes ☐ No
Tank Double Walled? ☐ Yes ☒ No

TANK CATHODIC PROTECTION: ☒ Sacrificial Anodes ☐ Impressed Current ☐ N/A

TANK LEAK DETECTION METHOD: ☒ Automatic tank gauging ☐ Interstitial monitoring ⇨ Electronic ☐ Yes ☐ No ☐ Statistical Inventory Reconciliation (SIR)
☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Unknown

PIPING CONSTRUCTION: ☒ Single Wall ☐ Double Wall:
☐ Bare Steel ☐ Coated Steel ☒ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown ☐ N/A ☐ Other:

PIPING CATHODIC PROTECTION: ☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

PRIMARY PIPING SYSTEM TYPE: ☒ Pressurized piping with ⇨ ☐ A. Pump auto shutoff - ELLD ☒ B. Flow restrictor – MLLD ☐ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

PIPING LEAK DETECTION METHOD: ☐ Interstitial monitoring ⇨ Electronic ☐ Yes ☐ No ⇨ Sump or cable sensor ☐ Yes ☐ No
☒ Tightness testing ☐ Electronic line monitor - ELLD ☐ SIR ☐ Not required ☐ Unknown

TANK CONTENTS *Current, or previous product (if tank now empty) (* = NOT PECFA eligible)* ☐ Leaded ☐ Unleaded ☐ Gas-ethanol blend: ___ % ethanol ☒ Diesel
☐ Bio-Diesel: ___ % ☐ Hazardous Waste/Interface* ☐ Kerosene ☐ Fuel Oil ☐ Premix ☐ New Oil ☐ New oil – Flash point less than 200°F
☐ Waste/Used Motor Oil ⇨ ☐ Used for Heating ☐ Aviation ☐ Empty* ☐ Sand/Grave/Slurry* ☐ Unknown
☐ Other (specify): ☐ Chemical* Name: CAS#

Has a site assessment been completed? *(see reverse side for details)* ☒ Yes ☐ No

TANK OWNER LEGAL NAME (please print) Christopher Schwenke	TANK OWNER E-MAIL
TANK OWNER SIGNATURE (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.)	DATE:

Note: Refer to comments on reverse side of form.

TR-WM-121 (11/19) Formerly ERS-919

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures
Storage Tank Regulation, PO Box 7837, Madison, WI 53707-7837
Phone: (608) 224-4942

FOR OFFICE USE ONLY

Wis. Admin. Code §ATCP 93.115
§ATCP 93.350

ATCP 93 NOTIFICATION RECORD

Personal information you provide may be used for purposes other than that for which it was originally collected (s. 15.04(1)(m), Wis. Stats.)

TO: Darren Leone OFFICE LOCATION: DATCP

(Refer to https://datcp.wi.gov/Pages/Programs_Services/StorageTankContacts.aspx for a jurisdiction's authorized agent/department.)

Note: *Only the notification form is required for non-flammable, non-combustible, hazardous liquid, or CERCLA tanks greater than or equal to 5,000 gallon capacity that are under the direct supervision of a qualified engineer. A plan review is not required. (ATCP 93.350(2)(b)).*

LOCATION / IDENTIFICATION

SITE NAME: Millis Transfer Inc		FACILITY NUMBER: 412663	FIRE DEPT. PROVIDING FIRE PROTECTION COVERAGE: Richfield # 6610			
SITE STREET ADDRESS: 3001 State Road 167 W		☐ CITY ☐ TOWN ☒ VILLAGE: Richfield	STATE: WI	ZIP: 53076	COUNTY: Washington	
OWNER NAME: Millis Transfer Inc		PHONE NUMBER: ( ) -	TANK OWNER EMAIL:			
OWNER STREET ADDRESS: P.O. Box 550		☐ CITY ☐ TOWN ☐ VILLAGE: Black River Falls	STATE: WI	ZIP: 54615		
CONTRACTOR NAME: ADVANCED TANK SERVICE, INC	PHONE NUMBER: (715) 831 - 8484	CELL NUMBER: (715) 579 - 8324	EMAIL: molson@adv-tank.com			
STREET ADDRESS: P.O. BOX 1072		☐ CITY ☐ TOWN ☐ VILLAGE: EAU CLAIRE	STATE: WI	ZIP: 54702		
DATE WORK IS TO BEGIN	DATE/TIME REQUESTED FOR TANK INSPECTION: 6/3 1:30pm	ATCP 93 CERTIFIED INSTALLER SUPERVISOR OR QUALIFIED ENGINEER: Justin Peloquin				

PROJECT WILL INVOLVE: (Check all that apply) Plan Approval No.: Approval Date:

	UST	AST	No. of Tanks	Comments:
Tank Installation	☐	☐		
Dispenser POS Conversion	☐	☐		
Piping Installation or Upgrade	☐	☐		
Leak Detection Upgrade	☐	☐		
Spill or Overfill Protection	☐	☐		
Cathodic Protection or Interior Lining	☐	☐		
CERCLA Chemical Tank(s) Only[1]	☐	☐		15K DSL
Tank Closure	☒	☐	1	
Alternative Fuel Storage Tank Installation[2,3,5] (see footnotes below)	☐	☐		
Alternative Fuel Storage Tank Conversion[4,5] (see footnotes below)	☐	☐		TSSA: Cedar Corporation

[1]Send Notice to DATCP (see address above). Installation inspection is not required if construction/installation is supervised by a qualified engineer.
[2]For LPO installations send notice to both the assigned LPO and DATCP General Inspection Inspector. DATCP General Inspection Inspector will be at the final inspection only. Alternative fuel storage tank systems shall not begin operation until the DATCP General Inspection Inspector has granted approval.
[3]For DATCP installation inspections send notice to only the assigned DATCP Installation Inspector. Alternative fuel storage tank systems shall not begin operation until the DATCP general inspector has granted approval.
[4]Send notice to only the DATCP General Inspection Inspector.
[5]See Conditional Approval letter and Notification email for Installation and general inspector information.

For USTs: If an Owner/Operator intends to begin operation immediately after the final inspection, they shall prepare and submit the documentation listed below at least 15 days prior to the final inspection:

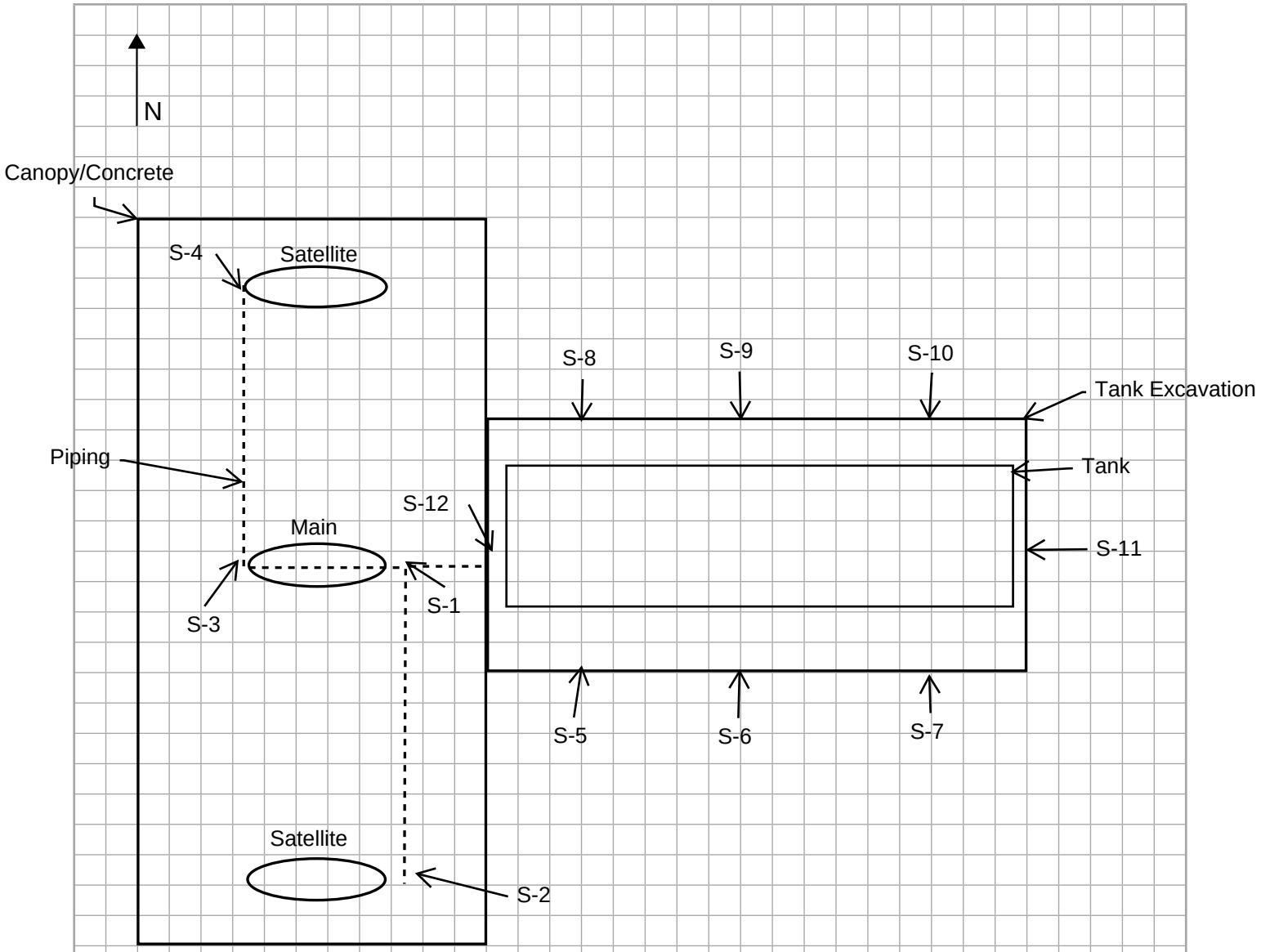
- **A TR-WM-137 Underground Flammable/Combustible Liquid Storage Tank Registration.**
- **A Wisconsin Operator Training Designation form.**
- **Affidavit of Financial Responsibility, certificate of insurance, and site schedule of covered locations and storage tanks.**

Cedar corporation
604 Wilson Avenue
Menomonie, WI 54751
engineering | architecture | environmental | surveying
landscape architecture | planning | economic development

JOB Millis Transfer LLC

BY QL DATE 6/3/2022

Figure 1 - Detailed Site Map



Notes:
-Tank size ~ 9'x32'.
-Tank excavation ~ 34'x17'.
-Piping samples collected at 3' below ground surface (bgs).
-Tank samples collected at 12' bgs.
-No base samples due to groundwater encountered at 13' bgs.

Scale
10 feet

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Wisconsin Department of Natural Resources	3001 State Highway 167, Richfield WI	00590-0009

Photo No.	Date:
1	6/3/2022

Direction Photo Taken:

Northwest

Description:

View of the tank location prior to removal.

Photo No.	Date:
2	6/3/2022

Direction Photo Taken:

East

Description:

View of the tank during removal.

Photo No.	Date:
3	6/3/2022

Direction Photo Taken:

Northwest

Description:

15,000-gallon tank removed from the Site.

Photo No.	Date:
4	6/3/2022

Direction Photo Taken:

West

Description:

Area of the tank excavation.

Photo No.	Date:
5	6/3/2022

Direction Photo Taken:

South

Description:

View of the south sidewall of the tank excavation.

Photo No.	Date:
6	6/3/2022

Direction Photo Taken:

Southwest

Description:

View of the west sidewall of the tank excavation

Photo No.	Date:
7	6/3/2022

Direction Photo Taken:

Northwest

Description:

View of the north sidewall of the tank excavation.

Photo No.	Date:
8	6/3/2022

Direction Photo Taken:

Northeast

Description:

View of the east sidewall of the tank excavation.

Photo No.	Date:
9	6/3/2022

Direction Photo Taken:

North

Description:

View of the pipe excavation running from the main to the northern satellite.

Photo No.	Date:
10	6/3/2022

Direction Photo Taken:

North

Description:

View of the pipe excavation running from the main to the northern satellite.

OSI Environmental, Inc.

STRAIGHT BILL OF LADING

GMO- 4866

BILL TO
Advanced Tank Service #6497
Pick-up 4 drums diesel sludge
East Side of Bldg.
Phone number:

SHIP FROM
Millis Transfer
3001 Holy Hill Rd
Richfield, WI 53076
Phone number:

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on route to said destination. It is mutually agree, as to each carrier of all or any of said property over all or any portion of said route to destination, as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

Route: BEST WAY

Delivery Carrier: ☐ OSI Environmental, Inc. US DOT Hazmat Reg. Number: MNT 280011586

Alternate Carrier: ☐ US DOT Hazmat Reg. Number:

Number of Packages	HM	Description of articles	ERG
____	1	RQ, UN1203, Flammable Liquid, N.O.S. 3 PG II Gasoline for Recycle APPROXIMATE GALLONS:	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	
____	☐	Specialty Product for Recycle Mineral Oil PG III (NON PCB: _____ PPM) APPROXIMATE GALLONS:	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	
____	☐	Specialty Product for Recycle Mineral Oil PG III (NON PCB: _____ PPM) APPROXIMATE GALLONS:	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	
★4	☐	RQ, UN1202, Fuel Oil, Combustible Liquid PG III Surplus Fuel for Recycling APPROXIMATE GALLONS: 220 DIESEL SLUDGE	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and is in proper condition for transportation according to the applicable regulations of The Department of Transportation.

Placards Required: None Placards Supplied: NO - Furnished By Carrier

Shipper Signature: Bob Miller Carrier Signature:

Date: 6-13-22 Received By: Date 6/13/22

CUSTOMER PROJECT NUMBER:

UNIT #: 1005

OSI TANK NUMBER:

OSI Environmental, Inc. 800-732-5667
912 Tesch Court EPA # WIR000147397 WDNR #14740
Waukesha, WI 53186

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 732-5667

SHIPPER COPY

Attachment B – Field Forms

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Millis Transfer - Richfield	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 10 / 28 / 2022 (m m / d d / y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: NE 1/4 of NE 1/4 of Sec. 13, T. 09 N, R. 19 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Tony Kapuga, On Site Environmental
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known / Gov. Lot Number	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

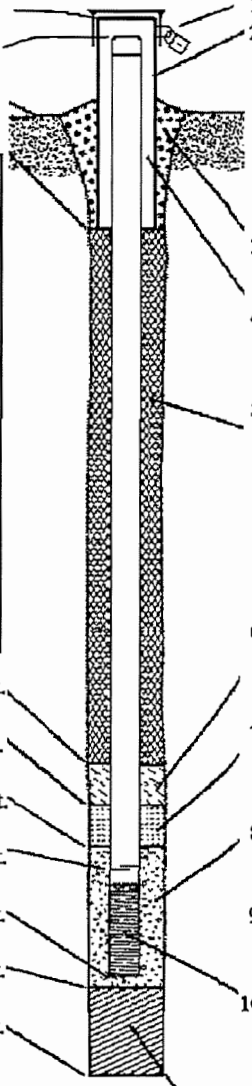
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Other ☒ Geoprobe

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
NA

E. Bentonite seal, top _____ ft. MSL or 0.8 ft.
F. Fine sand, top _____ ft. MSL or 3.5 ft.
G. Filter pack, top _____ ft. MSL or 4 ft.
H. Screen joint, top _____ ft. MSL or 10 ft.
I. Well bottom _____ ft. MSL or 20 ft.
J. Filter pack, bottom _____ ft. MSL or 18 ft.
K. Borehole, bottom _____ ft. MSL or 20 ft.
L. Borehole, diameter 3.5 in.
M. O.D. well casing 1.66 in.
N. I.D. well casing 1.38 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 0.8 ft.
c. Material: _____ Steel ☒ 04 / Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Asphalt — Bentonite ☐ 30 / Concrete ☐ 01 / Other ☒
4. Material between well casing and protective pipe: _____ Bentonite ☒ 30 / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley
b. Volume added 0.05 ft^3 Appx
8. Filter pack material: Manufacturer, product name & mesh size
a. RW Sidley
b. Volume added 0.5 ft^3 Appx
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): _____ None ☐ 14 / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Cedar Corp.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Millis Transfer - Richfield	Washington	MW-1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	__	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☒ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 55 min.

4. Depth of well (from top of well casisng) 19.7 ft.

5. Inside diameter of well 1.38 in.

6. Volume of water in filter pack and well casing 0.7 gal.

7. Volume of water removed from well 16.5 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 11.05 ft.	11.08 ft.
Date	b. 11/02/2022 (m m d d y y y y)	11/02/2022 (m m d d y y y y)
Time	c. 9:00 ☒ a.m. ☐ p.m.	9:57 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.1 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)
	Brown Turbid cleared w/ pumping- petro odor	Clear weak petro odor
14. Total suspended solids	NA mg/l	NA mg/l
15. COD	NA mg/l	NA mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Ashley Last Name: Wagner
Firm: Cedar Corporation

17. Additional comments on development:
Surged ¼" tubing during development

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Dan Last Name: Millis
Facility/Firm: Millis Transfer
Street: _____
City/State/Zip: Black River Falls, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Ashley Wagner
Print Name: Ashley Wagner
Firm: Cedar Corporation

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Washington	MW-1	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 3001 W Holy Hill Rd
Well City, Village or Town: Richfield
Well ZIP Code: 53076
Subdivision Name:
Lot #:
Reason for Removal from Service: NO contamination
WI Unique Well # of Replacement Well: _ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name:
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Millis Transfer
Present Well Owner: Millis Transfer
Mailing Address of Present Owner: P.O. Box 550
City of Present Owner: Black River Falls
State: WI
ZIP Code: 54615

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 10/28/2022
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	1.25
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
3.5"	20

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet): 10.1

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt	Surface	0.2	NM	
3/8" Bentonite Chips	0.2	20	0.3	

6. Comments

10 ft of 1" PVC casing removed. Screen remains in place.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Cedar Corporation		03-02-2023

Street or Route	Telephone Number
W61 N497 Washington Ave	(920) 309-2289

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Cedarburg	WI	53012	Ashley Wagner	03-08-2023

DNR Use Only
Date Received: _____ Noted By: _____
Comments: _____

Groundwater Sampling Log

Project Information:

Project Name: Millis Transfer Richfield	Well ID: MW-1	Date: 11/2/22
Cedar Project Number: M6838-001	Cedar Representative: Ashley Wagner	
Project Address: 3001 W Holy Hill Rd, Richfield, WI 53076		
Water Quality Meter (Make, Model, S/N): Hanna, HI9813-6, 04240008101		

Water Level Information:

Depth to Bottom (ft. below TOC): 19.66	Length of Water Column: 8.61 ft
Depth of Water (ft. below TOC): 11.05	One Well Volume (c*0.08[for 1" dia. Pipe]): 0.69 gal

Well Purging Data:

Purge Method: Purge/sample peri pump

Minimum Required Volume: Developed well prior to sampling (16.5 gal)

Water Quality Parameters:

Time	Gallons	pH	Cond. (mS/cm)	TDS (ppm)	Temp (°C)	Notes
	Initial					
9:55	16.5	7.1	1	NM	15	color: clear/brown specks
						odor: weak petro
						clarity: clear

Temp = Degrees Celsuis Cond. = Electrical Conductivity TDS = Total Dissolved Solids

Method of sampling: Purge/sample peri pump

Sample ID:

Analysis: PVOCs + Naphthalene

Sample Time:

Have groundwater paramerters been met?

Yes No (NA)

Explanation:

Additional Comments:

Cedar Representative Signature Date

Groundwater Sampling Log

Project Information:

Project Name: Millis Transfer Richfield	Well ID: PW-1	Date: 11/2/22
Cedar Project Number: M6838-001	Cedar Representative: Ashley Wagner	
Project Address: 3001 W Holy Hill Rd, Richfield, WI 53076		
Water Quality Meter (Make, Model, S/N): Hanna, HI9813-6, 04240008101		

Water Level Information:

Depth to Bottom (ft. below TOC): NA	Length of Water Column: NA
Depth of Water (ft. below TOC): NA	One Well Volume (c*0.08[for 1" dia. Pipe]): NA

Well Purging Data:

Purge Method: Purge faucet in facility

Minimum Required Volume: NA

Water Quality Parameters:

Time	Gallons	pH	Cond. (mS/cm)	TDS (ppm)	Temp (°C)	Notes
	Initial					
10:48	NM	7.3	1.36	NM	15.5	color: clear
						odor: none
						clarity: clear
						Turned faucet on, and let run for appx 10 min, pressure tank turned on before sampling.

Temp = Degrees Celsuis Cond. = Electrical Conductivity TDS = Total Dissolved Solids

Method of sampling: Sample spigot at pressure tank

Sample ID:

Analysis: PVOCs + Naphthalene

Sample Time:

Have groundwater paramerters been met?

Yes No (NA)

Explanation:

Additional Comments:

Cedar Representative Signature Date

Groundwater Sampling Log

Project Information:

Project Name: Millis Transfer Richfield | Well ID: MW-1 | Date: 12/2/22

Cedar Project Number: M6838-001 | Cedar Representative: Ashley Wagner

Project Address: 3001 W Holy Hill Rd, Richfield, WI 53076

Water Quality Meter (Make, Model, S/N): Hanna, HI9813-6, 04240008101

Water Level Information:

Depth to Bottom (ft. below TOC): 19.76 | Length of Water Column: 9.37 ft

Depth of Water (ft. below TOC): 10.39 | One Well Volume (c*0.08[for 1" dia. Pipe]): 0.75 gal

Well Purging Data:

Purge Method: Purge/sample peri pump

Minimum Required Volume: Redeveloped well prior to sampling (15 gal)

Water Quality Parameters:

Time	Gallons	pH	Cond. (mS/cm)	TDS (ppm)	Temp (°C)	Notes
	Initial					
9:00	15	7	1.45	NM	11.8	color: clear
						odor: none
						clarity: clear

Temp = Degrees Celsuis | Cond. = Electrical Conductivity | TDS = Total Dissolved Solids

Method of sampling: Purge/sample peri pump

Sample ID:

Analysis: PVOCs + Naphthalene

Sample Time:

Have groundwater paramerters been met?

Yes No (NA)

Explanation:

Additional Comments:

Cedar Representative Signature | Date

Attachment C – Photo Log

PHOTOGRAPH LOG

Client Name: Millis Transfer	Site Location: Richfield, WI	Project No. M6838-001

Photo No.	Date:
1	11/2/2022

Direction Photo Taken:

East

Description:

Drilling MW-1

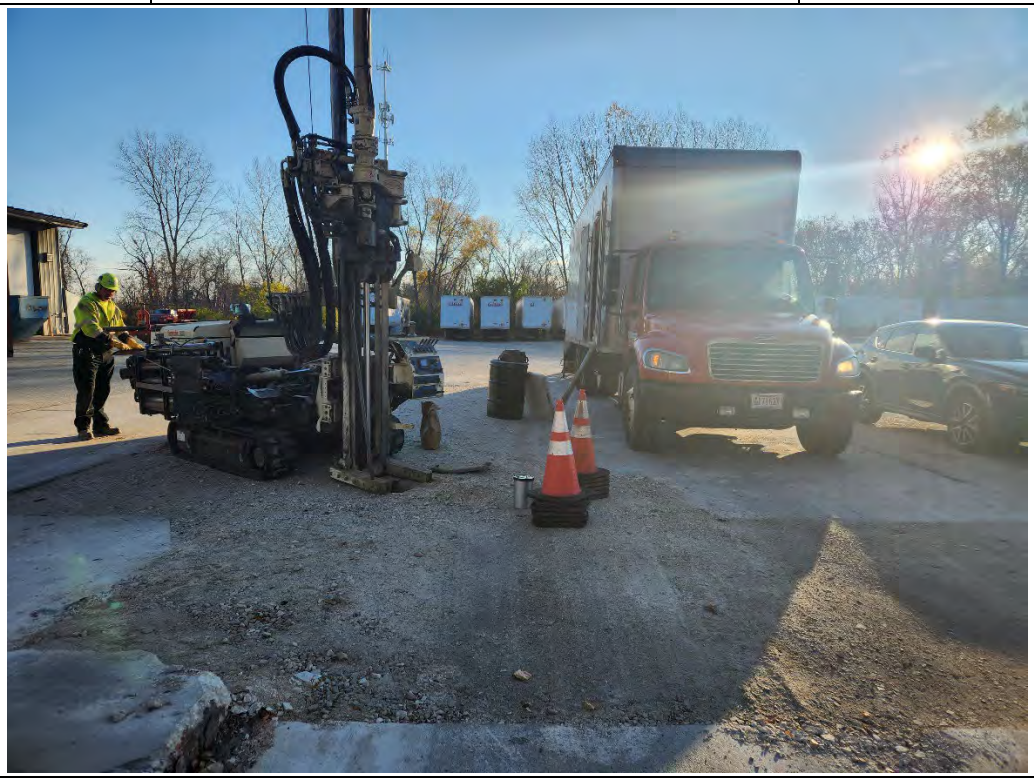


Photo No.	Date:
2	11/2/2022

Direction Photo Taken:

West

Description:

Drilling MW-1

PHOTOGRAPH LOG

Client Name: Millis Transfer	Site Location: Richfield, WI	Project No. M6838-001

Photo No.	Date:
3	11/2/2022

Direction Photo Taken:

Description:

Constructed MW-1

Photo No.	Date:
4	11/2/2022

Direction Photo Taken:

East-Northeast

Description:

Completed MW-1

PHOTOGRAPH LOG

Client Name: Millis Transfer	Site Location: Richfield, WI	Project No. M6838-001

Photo No.	Date:
5	11/2/2022

Direction Photo Taken:

Southeast

Description:

Location of pressure tank, PW-1 sample

Photo No.	Date:
6	11/2/2022

Direction Photo Taken:

East

Description:

Location of pressure tank, PW-1 sample

PHOTOGRAPH LOG

Client Name: Millis Transfer	Site Location: Richfield, WI	Project No. M6838-001

Photo No.	Date:
7	12/2/2022

Direction Photo Taken:

West

Description:

Former tank cavity paved over

Photo No.	Date:
8	12/2/2022

Direction Photo Taken:

West

Description:

Former tank cavity paved over – MW-1 in sound condition

PHOTOGRAPH LOG

Client Name: Millis Transfer	Site Location: Richfield, WI	Project No. M6838-001

Photo No.	Date:
9	12/2/2022

Direction Photo Taken:

East-Southeast

Description:

Former tank cavity paved over – MW-1 in sound condition

Attachment D – Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-217596-1
Client Project/Site: Richfield Tank Pull

For:
Cedar Corporation
1695 Bellevue Street
Green Bay, Wisconsin 54311

Attn: Quin Lenz

Authorized for release by:
6/20/2022 7:46:03 AM

Sandie Fredrick, Project Manager II
(920)261-1660
Sandra.Fredrick@et.eurofinsus.com

Table of Contents

Case Narrative

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Job ID: 500-217596-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-217596-1

Comments
No additional comments.

Receipt
The samples were received on 6/4/2022 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method 8260B: The following sample was diluted due to the abundance of non-target analytes: S-1 (500-217596-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-1 — Lab Sample ID: 500-217596-1

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	670		29	21	ug/Kg	100	☼	8260B	Total/NA
1,2,4-Trimethylbenzene	5700		110	41	ug/Kg	100	☼	8260B	Total/NA
1,3,5-Trimethylbenzene	2500		110	44	ug/Kg	100	☼	8260B	Total/NA
Xylenes, Total	3300		57	25	ug/Kg	100	☼	8260B	Total/NA

Client Sample ID: S-2 — Lab Sample ID: 500-217596-2

No Detections.

Client Sample ID: S-3 — Lab Sample ID: 500-217596-3

No Detections.

Client Sample ID: S-4 — Lab Sample ID: 500-217596-4

No Detections.

Client Sample ID: S-5 — Lab Sample ID: 500-217596-5

No Detections.

Client Sample ID: S-6 — Lab Sample ID: 500-217596-6

No Detections.

Client Sample ID: S-7 — Lab Sample ID: 500-217596-7

No Detections.

Client Sample ID: S-8 — Lab Sample ID: 500-217596-8

No Detections.

Client Sample ID: S-9 — Lab Sample ID: 500-217596-9

No Detections.

Client Sample ID: S-10 — Lab Sample ID: 500-217596-10

No Detections.

Client Sample ID: S-11 — Lab Sample ID: 500-217596-11

No Detections.

Client Sample ID: S-12 — Lab Sample ID: 500-217596-12

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1100		15	11	ug/Kg	50	☼	8260B	Total/NA
Toluene	12	J B	15	8.7	ug/Kg	50	☼	8260B	Total/NA
1,2,4-Trimethylbenzene	9400		59	21	ug/Kg	50	☼	8260B	Total/NA
1,3,5-Trimethylbenzene	3100		59	23	ug/Kg	50	☼	8260B	Total/NA
Xylenes, Total	3100		30	13	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-217596-13

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	32	J	50	18	ug/Kg	50		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-217596-1	S-1	Solid	06/03/22 12:40	06/04/22 09:15
500-217596-2	S-2	Solid	06/03/22 12:45	06/04/22 09:15
500-217596-3	S-3	Solid	06/03/22 12:50	06/04/22 09:15
500-217596-4	S-4	Solid	06/03/22 12:55	06/04/22 09:15
500-217596-5	S-5	Solid	06/03/22 13:00	06/04/22 09:15
500-217596-6	S-6	Solid	06/03/22 13:03	06/04/22 09:15
500-217596-7	S-7	Solid	06/03/22 13:06	06/04/22 09:15
500-217596-8	S-8	Solid	06/03/22 13:10	06/04/22 09:15
500-217596-9	S-9	Solid	06/03/22 13:15	06/04/22 09:15
500-217596-10	S-10	Solid	06/03/22 13:20	06/04/22 09:15
500-217596-11	S-11	Solid	06/03/22 13:25	06/04/22 09:15
500-217596-12	S-12	Solid	06/03/22 13:30	06/04/22 09:15
500-217596-13	Trip Blank	Solid	06/03/22 10:00	06/04/22 09:15

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-1
Date Collected: 06/03/22 12:40
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-1
Matrix: Solid
Percent Solids: 92.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<17		29	17	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
Ethylbenzene	**670**		29	21	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
Methyl tert-butyl ether	<45		110	45	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
Naphthalene	<38		110	38	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
Toluene	<17		29	17	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
1,2,4-Trimethylbenzene	**5700**		110	41	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
1,3,5-Trimethylbenzene	**2500**		110	44	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
Xylenes, Total	**3300**		57	25	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*06/03/22 12:40*	*06/16/22 12:08*	*100*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*06/03/22 12:40*	*06/16/22 12:08*	*100*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*06/03/22 12:40*	*06/16/22 12:08*	*100*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 12:40*	*06/16/22 12:08*	*100*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-2
Date Collected: 06/03/22 12:45
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-2
Matrix: Solid
Percent Solids: 92.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.5		15	8.5	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
Methyl tert-butyl ether	<23		58	23	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
Naphthalene	<19		58	19	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
Toluene	<8.5		15	8.5	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
1,2,4-Trimethylbenzene	<21		58	21	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
1,3,5-Trimethylbenzene	<22		58	22	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*	*06/03/22 12:45*	*06/16/22 12:33*	*50*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*06/03/22 12:45*	*06/16/22 12:33*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*06/03/22 12:45*	*06/16/22 12:33*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*06/03/22 12:45*	*06/16/22 12:33*	*50*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-3

Date Collected: 06/03/22 12:50
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-3

Matrix: Solid
Percent Solids: 91.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
Naphthalene	<20		59	20	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
Toluene	<8.6		15	8.6	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
1,2,4-Trimethylbenzene	<21		59	21	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
1,3,5-Trimethylbenzene	<22		59	22	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*	*06/03/22 12:50*	*06/16/22 12:59*	*50*
Dibromofluoromethane (Surr)	*87*		*75 - 120*	*06/03/22 12:50*	*06/16/22 12:59*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*06/03/22 12:50*	*06/16/22 12:59*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*06/03/22 12:50*	*06/16/22 12:59*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-4
Date Collected: 06/03/22 12:55
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-4
Matrix: Solid
Percent Solids: 91.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
Naphthalene	<20		59	20	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
Toluene	<8.6		15	8.6	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
1,2,4-Trimethylbenzene	<21		59	21	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
1,3,5-Trimethylbenzene	<22		59	22	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*	*06/03/22 12:55*	*06/16/22 13:25*	*50*
Dibromofluoromethane (Surr)	*86*		*75 - 120*	*06/03/22 12:55*	*06/16/22 13:25*	*50*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*06/03/22 12:55*	*06/16/22 13:25*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 12:55*	*06/16/22 13:25*	*50*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-5

Date Collected: 06/03/22 13:00
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-5

Matrix: Solid
Percent Solids: 91.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
Naphthalene	<20		59	20	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
Toluene	<8.7		15	8.7	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
1,2,4-Trimethylbenzene	<21		59	21	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
1,3,5-Trimethylbenzene	<22		59	22	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
Xylenes, Total	<13		30	13	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*06/03/22 13:00*	*06/16/22 13:51*	*50*
Dibromofluoromethane (Surr)	*87*		*75 - 120*	*06/03/22 13:00*	*06/16/22 13:51*	*50*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*06/03/22 13:00*	*06/16/22 13:51*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 13:00*	*06/16/22 13:51*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-6
Date Collected: 06/03/22 13:03
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-6
Matrix: Solid
Percent Solids: 92.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.4		14	8.4	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
Ethylbenzene	<11		14	11	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
Methyl tert-butyl ether	<23		58	23	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
Naphthalene	<19		58	19	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
Toluene	<8.5		14	8.5	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
1,2,4-Trimethylbenzene	<21		58	21	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
1,3,5-Trimethylbenzene	<22		58	22	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*	*06/03/22 13:03*	*06/16/22 14:17*	*50*
Dibromofluoromethane (Surr)	*85*		*75 - 120*	*06/03/22 13:03*	*06/16/22 14:17*	*50*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*	*06/03/22 13:03*	*06/16/22 14:17*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*06/03/22 13:03*	*06/16/22 14:17*	*50*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-7

Date Collected: 06/03/22 13:06
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-7

Matrix: Solid
Percent Solids: 91.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
Naphthalene	<20		59	20	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
Toluene	<8.6		15	8.6	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
1,2,4-Trimethylbenzene	<21		59	21	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
1,3,5-Trimethylbenzene	<22		59	22	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*06/03/22 13:06*	*06/16/22 14:42*	*50*
Dibromofluoromethane (Surr)	*87*		*75 - 120*	*06/03/22 13:06*	*06/16/22 14:42*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*06/03/22 13:06*	*06/16/22 14:42*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*06/03/22 13:06*	*06/16/22 14:42*	*50*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-8

Date Collected: 06/03/22 13:10
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-8

Matrix: Solid
Percent Solids: 92.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.5		14	8.5	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
Ethylbenzene	<11		14	11	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
Methyl tert-butyl ether	<23		58	23	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
Naphthalene	<19		58	19	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
Toluene	<8.5		14	8.5	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
1,2,4-Trimethylbenzene	<21		58	21	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
1,3,5-Trimethylbenzene	<22		58	22	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*	*06/03/22 13:10*	*06/16/22 15:08*	*50*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*06/03/22 13:10*	*06/16/22 15:08*	*50*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*	*06/03/22 13:10*	*06/16/22 15:08*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*06/03/22 13:10*	*06/16/22 15:08*	*50*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-9

Date Collected: 06/03/22 13:15
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-9

Matrix: Solid
Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.9		15	8.9	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
Methyl tert-butyl ether	<24		61	24	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
Naphthalene	<20		61	20	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
Toluene	<8.9		15	8.9	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
1,2,4-Trimethylbenzene	<22		61	22	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
1,3,5-Trimethylbenzene	<23		61	23	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
Xylenes, Total	<13		30	13	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*06/03/22 13:15*	*06/16/22 15:33*	*50*
Dibromofluoromethane (Surr)	*86*		*75 - 120*	*06/03/22 13:15*	*06/16/22 15:33*	*50*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*	*06/03/22 13:15*	*06/16/22 15:33*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 13:15*	*06/16/22 15:33*	*50*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-10

Date Collected: 06/03/22 13:20
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-10

Matrix: Solid
Percent Solids: 91.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.7		15	8.7	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
Methyl tert-butyl ether	<24		60	24	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
Naphthalene	<20		60	20	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
Toluene	<8.8		15	8.8	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
1,2,4-Trimethylbenzene	<21		60	21	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
1,3,5-Trimethylbenzene	<23		60	23	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
Xylenes, Total	<13		30	13	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*	*06/03/22 13:20*	*06/16/22 15:58*	*50*
Dibromofluoromethane (Surr)	*84*		*75 - 120*	*06/03/22 13:20*	*06/16/22 15:58*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*06/03/22 13:20*	*06/16/22 15:58*	*50*
Toluene-d8 (Surr)	*99*		*75 - 120*	*06/03/22 13:20*	*06/16/22 15:58*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-11
Date Collected: 06/03/22 13:25
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-11
Matrix: Solid
Percent Solids: 90.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.8		15	8.8	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
Methyl tert-butyl ether	<24		60	24	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
Naphthalene	<20		60	20	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
Toluene	<8.9		15	8.9	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
1,2,4-Trimethylbenzene	<22		60	22	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
1,3,5-Trimethylbenzene	<23		60	23	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
Xylenes, Total	<13		30	13	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*	*06/03/22 13:25*	*06/16/22 16:23*	*50*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*06/03/22 13:25*	*06/16/22 16:23*	*50*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*	*06/03/22 13:25*	*06/16/22 16:23*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 13:25*	*06/16/22 16:23*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-12
Date Collected: 06/03/22 13:30
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-12
Matrix: Solid
Percent Solids: 91.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
Ethylbenzene	**1100**		15	11	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
Naphthalene	<20		59	20	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
Toluene	**12**	**J B**	15	8.7	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
1,2,4-Trimethylbenzene	**9400**		59	21	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
1,3,5-Trimethylbenzene	**3100**		59	23	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
Xylenes, Total	**3100**		30	13	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*	*06/03/22 13:30*	*06/16/22 16:50*	*50*
Dibromofluoromethane (Surr)	*88*		*75 - 120*	*06/03/22 13:30*	*06/16/22 16:50*	*50*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*	*06/03/22 13:30*	*06/16/22 16:50*	*50*
Toluene-d8 (Surr)	*99*		*75 - 120*	*06/03/22 13:30*	*06/16/22 16:50*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: Trip Blank

Date Collected: 06/03/22 10:00
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-13

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
Naphthalene	<17		50	17	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
Toluene	<7.4		13	7.4	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
1,2,4-Trimethylbenzene	**32**	**J**	50	18	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
Xylenes, Total	<11		25	11	ug/Kg		06/03/22 10:00	06/16/22 17:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*	*06/03/22 10:00*	*06/16/22 17:17*	*50*
Dibromofluoromethane (Surr)	*86*		*75 - 120*	*06/03/22 10:00*	*06/16/22 17:17*	*50*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*06/03/22 10:00*	*06/16/22 17:17*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 10:00*	*06/16/22 17:17*	*50*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Prep Batch: 661137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217596-1	S-1	Total/NA	Solid	5035	
500-217596-2	S-2	Total/NA	Solid	5035	
500-217596-3	S-3	Total/NA	Solid	5035	
500-217596-4	S-4	Total/NA	Solid	5035	
500-217596-5	S-5	Total/NA	Solid	5035	
500-217596-6	S-6	Total/NA	Solid	5035	
500-217596-7	S-7	Total/NA	Solid	5035	
500-217596-8	S-8	Total/NA	Solid	5035	
500-217596-9	S-9	Total/NA	Solid	5035	
500-217596-10	S-10	Total/NA	Solid	5035	
500-217596-11	S-11	Total/NA	Solid	5035	
500-217596-12	S-12	Total/NA	Solid	5035	
500-217596-13	Trip Blank	Total/NA	Solid	5035	
LB3 500-661137/21-A	Method Blank	Total/NA	Solid	5035	
LCS 500-661137/22-A	Lab Control Sample	Total/NA	Solid	5035	
500-217596-2 MS	S-2	Total/NA	Solid	5035	
500-217596-2 MSD	S-2	Total/NA	Solid	5035	

Analysis Batch: 661273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-661137/21-A	Method Blank	Total/NA	Solid	8260B	661137
MB 500-661273/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-661137/22-A	Lab Control Sample	Total/NA	Solid	8260B	661137
LCS 500-661273/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 661438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217596-1	S-1	Total/NA	Solid	8260B	661137
500-217596-2	S-2	Total/NA	Solid	8260B	661137
500-217596-3	S-3	Total/NA	Solid	8260B	661137
500-217596-4	S-4	Total/NA	Solid	8260B	661137
500-217596-5	S-5	Total/NA	Solid	8260B	661137
500-217596-6	S-6	Total/NA	Solid	8260B	661137
500-217596-7	S-7	Total/NA	Solid	8260B	661137
500-217596-8	S-8	Total/NA	Solid	8260B	661137
500-217596-9	S-9	Total/NA	Solid	8260B	661137
500-217596-10	S-10	Total/NA	Solid	8260B	661137
500-217596-11	S-11	Total/NA	Solid	8260B	661137
500-217596-12	S-12	Total/NA	Solid	8260B	661137
500-217596-13	Trip Blank	Total/NA	Solid	8260B	661137
MB 500-661438/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-661438/4	Lab Control Sample	Total/NA	Solid	8260B	
500-217596-2 MS	S-2	Total/NA	Solid	8260B	661137
500-217596-2 MSD	S-2	Total/NA	Solid	8260B	661137

General Chemistry

Analysis Batch: 659958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217596-1	S-1	Total/NA	Solid	Moisture	
500-217596-2	S-2	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 659958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217596-3	S-3	Total/NA	Solid	Moisture	
500-217596-4	S-4	Total/NA	Solid	Moisture	
500-217596-5	S-5	Total/NA	Solid	Moisture	
500-217596-6	S-6	Total/NA	Solid	Moisture	
500-217596-7	S-7	Total/NA	Solid	Moisture	
500-217596-8	S-8	Total/NA	Solid	Moisture	
500-217596-9	S-9	Total/NA	Solid	Moisture	
500-217596-10	S-10	Total/NA	Solid	Moisture	
500-217596-11	S-11	Total/NA	Solid	Moisture	
500-217596-12	S-12	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-217596-1	S-1	95	89	85	96
500-217596-2	S-2	96	89	84	95
500-217596-2 MS	S-2	96	90	83	99
500-217596-2 MSD	S-2	96	88	82	99
500-217596-3	S-3	96	87	84	98
500-217596-4	S-4	96	86	85	96
500-217596-5	S-5	98	87	85	96
500-217596-6	S-6	97	85	83	97
500-217596-7	S-7	98	87	84	97
500-217596-8	S-8	96	89	86	98
500-217596-9	S-9	98	86	83	96
500-217596-10	S-10	97	84	84	99
500-217596-11	S-11	100	89	87	96
500-217596-12	S-12	101	88	86	99
500-217596-13	Trip Blank	97	86	85	96
LB3 500-661137/21-A	Method Blank	108	102	107	97
LCS 500-661137/22-A	Lab Control Sample	103	108	110	98
LCS 500-661273/4	Lab Control Sample	109	105	110	111
LCS 500-661438/4	Lab Control Sample	90	91	81	98
MB 500-661273/6	Method Blank	112	106	107	98
MB 500-661438/6	Method Blank	97	86	84	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-661137/21-A
Matrix: Solid
Analysis Batch: 661273

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661137

Analyte	LB3 Result	LB3 Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
Naphthalene	<17		50	17	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
Toluene	9.92	J	13	7.4	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
Xylenes, Total	<11		25	11	ug/Kg		06/14/22 11:30	06/15/22 15:59	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*	*06/14/22 11:30*	*06/15/22 15:59*	*50*
Dibromofluoromethane (Surr)	*102*		*75 - 120*	*06/14/22 11:30*	*06/15/22 15:59*	*50*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*	*06/14/22 11:30*	*06/15/22 15:59*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*06/14/22 11:30*	*06/15/22 15:59*	*50*

Lab Sample ID: LCS 500-661137/22-A
Matrix: Solid
Analysis Batch: 661273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2500	2570		ug/Kg		103	70 - 120
Ethylbenzene	2500	2540		ug/Kg		101	70 - 123
Methyl tert-butyl ether	2500	2870		ug/Kg		115	55 - 123
Naphthalene	2500	3400		ug/Kg		136	53 - 144
Toluene	2500	2440		ug/Kg		98	70 - 125
1,2,4-Trimethylbenzene	2500	2590		ug/Kg		103	70 - 123
1,3,5-Trimethylbenzene	2500	2650		ug/Kg		106	70 - 123
Xylenes, Total	5000	5000		ug/Kg		100	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane (Surr)	*108*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: 500-217596-2 MS
Matrix: Solid
Analysis Batch: 661438

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 661137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<8.5		2900	2680		ug/Kg	☼	92	70 - 120
Ethylbenzene	<11		2900	2940		ug/Kg	☼	101	70 - 123
Methyl tert-butyl ether	<23		2900	2310		ug/Kg	☼	80	55 - 123
Naphthalene	<19		2900	2370		ug/Kg	☼	82	53 - 144
Toluene	<8.5		2900	2790		ug/Kg	☼	96	70 - 125
1,2,4-Trimethylbenzene	<21		2900	2930		ug/Kg	☼	101	70 - 123
1,3,5-Trimethylbenzene	<22		2900	3060		ug/Kg	☼	105	70 - 123
Xylenes, Total	<13		5800	5690		ug/Kg	☼	98	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		72 - 124
Dibromofluoromethane (Surr)	90		75 - 120
1,2-Dichloroethane-d4 (Surr)	83		75 - 126
Toluene-d8 (Surr)	99		75 - 120

Lab Sample ID: 500-217596-2 MSD — **Client Sample ID: S-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 661438 — **Prep Batch: 661137**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<8.5		2900	2450		ug/Kg	☼	85	70 - 120	9	30
Ethylbenzene	<11		2900	2720		ug/Kg	☼	94	70 - 123	8	30
Methyl tert-butyl ether	<23		2900	2120		ug/Kg	☼	73	55 - 123	9	30
Naphthalene	<19		2900	2630		ug/Kg	☼	91	53 - 144	10	30
Toluene	<8.5		2900	2640		ug/Kg	☼	91	70 - 125	6	30
1,2,4-Trimethylbenzene	<21		2900	2720		ug/Kg	☼	94	70 - 123	7	30
1,3,5-Trimethylbenzene	<22		2900	2830		ug/Kg	☼	98	70 - 123	8	30
Xylenes, Total	<13		5800	5250		ug/Kg	☼	90	70 - 125	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		72 - 124
Dibromofluoromethane (Surr)	88		75 - 120
1,2-Dichloroethane-d4 (Surr)	82		75 - 126
Toluene-d8 (Surr)	99		75 - 120

Lab Sample ID: MB 500-661273/6 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 661273

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			06/15/22 12:46	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			06/15/22 12:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			06/15/22 12:46	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			06/15/22 12:46	1
Toluene	<0.15		0.25	0.15	ug/Kg			06/15/22 12:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			06/15/22 12:46	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			06/15/22 12:46	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			06/15/22 12:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		06/15/22 12:46	1
Dibromofluoromethane (Surr)	106		75 - 120		06/15/22 12:46	1
1,2-Dichloroethane-d4 (Surr)	107		75 - 126		06/15/22 12:46	1
Toluene-d8 (Surr)	98		75 - 120		06/15/22 12:46	1

Lab Sample ID: LCS 500-661273/4 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 661273

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	46.9		ug/Kg		94	70 - 120		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-661273/4
Matrix: Solid
Analysis Batch: 661273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	50.0	49.6		ug/Kg		99	70 - 123
Methyl tert-butyl ether	50.0	45.4		ug/Kg		91	55 - 123
Naphthalene	50.0	61.1		ug/Kg		122	53 - 144
Toluene	50.0	49.4		ug/Kg		99	70 - 125
1,2,4-Trimethylbenzene	50.0	52.0		ug/Kg		104	70 - 123
1,3,5-Trimethylbenzene	50.0	54.1		ug/Kg		108	70 - 123
Xylenes, Total	100	97.3		ug/Kg		97	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*
Dibromofluoromethane (Surr)	*105*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*
Toluene-d8 (Surr)	*111*		*75 - 120*

Lab Sample ID: MB 500-661438/6
Matrix: Solid
Analysis Batch: 661438

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			06/16/22 11:41	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			06/16/22 11:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			06/16/22 11:41	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			06/16/22 11:41	1
Toluene	<0.15		0.25	0.15	ug/Kg			06/16/22 11:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			06/16/22 11:41	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			06/16/22 11:41	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			06/16/22 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*06/16/22 11:41*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 120*		*06/16/22 11:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*		*06/16/22 11:41*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*06/16/22 11:41*	*1*

Lab Sample ID: LCS 500-661438/4
Matrix: Solid
Analysis Batch: 661438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	54.3		ug/Kg		109	70 - 120
Ethylbenzene	50.0	60.0		ug/Kg		120	70 - 123
Methyl tert-butyl ether	50.0	46.0		ug/Kg		92	55 - 123
Naphthalene	50.0	48.3		ug/Kg		97	53 - 144
Toluene	50.0	56.1		ug/Kg		112	70 - 125
1,2,4-Trimethylbenzene	50.0	59.1		ug/Kg		118	70 - 123
1,3,5-Trimethylbenzene	50.0	61.4		ug/Kg		123	70 - 123
Xylenes, Total	100	117		ug/Kg		117	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-661438/4
Matrix: Solid
Analysis Batch: 661438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	91		75 - 120
1,2-Dichloroethane-d4 (Surr)	81		75 - 126
Toluene-d8 (Surr)	98		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-1
Lab Sample ID: 500-217596-1
Date Collected: 06/03/22 12:40
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-1
Lab Sample ID: 500-217596-1
Date Collected: 06/03/22 12:40
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 12:40	WRE	TAL CHI
Total/NA	Analysis	8260B		100	661438	06/16/22 12:08	W1T	TAL CHI

Client Sample ID: S-2
Lab Sample ID: 500-217596-2
Date Collected: 06/03/22 12:45
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-2
Lab Sample ID: 500-217596-2
Date Collected: 06/03/22 12:45
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 12:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 12:33	W1T	TAL CHI

Client Sample ID: S-3
Lab Sample ID: 500-217596-3
Date Collected: 06/03/22 12:50
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-3
Lab Sample ID: 500-217596-3
Date Collected: 06/03/22 12:50
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 12:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 12:59	W1T	TAL CHI

Client Sample ID: S-4
Lab Sample ID: 500-217596-4
Date Collected: 06/03/22 12:55
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Lab Chronicle

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-4
Lab Sample ID: 500-217596-4
Date Collected: 06/03/22 12:55
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 12:55	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 13:25	W1T	TAL CHI

Client Sample ID: S-5
Lab Sample ID: 500-217596-5
Date Collected: 06/03/22 13:00
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-5
Lab Sample ID: 500-217596-5
Date Collected: 06/03/22 13:00
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 13:51	W1T	TAL CHI

Client Sample ID: S-6
Lab Sample ID: 500-217596-6
Date Collected: 06/03/22 13:03
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-6
Lab Sample ID: 500-217596-6
Date Collected: 06/03/22 13:03
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:03	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 14:17	W1T	TAL CHI

Client Sample ID: S-7
Lab Sample ID: 500-217596-7
Date Collected: 06/03/22 13:06
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Lab Chronicle

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-7
Lab Sample ID: 500-217596-7
Date Collected: 06/03/22 13:06
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:06	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 14:42	W1T	TAL CHI

Client Sample ID: S-8
Lab Sample ID: 500-217596-8
Date Collected: 06/03/22 13:10
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-8
Lab Sample ID: 500-217596-8
Date Collected: 06/03/22 13:10
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 15:08	W1T	TAL CHI

Client Sample ID: S-9
Lab Sample ID: 500-217596-9
Date Collected: 06/03/22 13:15
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-9
Lab Sample ID: 500-217596-9
Date Collected: 06/03/22 13:15
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 15:33	W1T	TAL CHI

Client Sample ID: S-10
Lab Sample ID: 500-217596-10
Date Collected: 06/03/22 13:20
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Lab Chronicle

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-10
Date Collected: 06/03/22 13:20
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-10
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 15:58	W1T	TAL CHI

Client Sample ID: S-11
Date Collected: 06/03/22 13:25
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-11
Date Collected: 06/03/22 13:25
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-11
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 16:23	W1T	TAL CHI

Client Sample ID: S-12
Date Collected: 06/03/22 13:30
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-12
Date Collected: 06/03/22 13:30
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-12
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 16:50	W1T	TAL CHI

Client Sample ID: Trip Blank
Date Collected: 06/03/22 10:00
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 10:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 17:17	W1T	TAL CHI

Laboratory References:
TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-22

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Quin Lenz	Lab PM: Fredrick Sandie	Carrier Tracking No(s): 577605978336	COC No: 500-101813-44117 2
Client Contact: Quin Lenz	Phone: (920)309-4197	E-Mail: Sandra Fredrick@et.eurofinsus.com	State of Origin: WI	Page: Page 1 of 2
Company: Cedar Corporation	PWS D:			Job #: 500-217596
Address: 1695 Bellevue Street	Due Date Requested: Standard			
City: Green Bay	TAT Requested (days): Standard			
State Zip: WI 54311	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: quin lenz@cedarcorp com	WO #:			
Project Name: RICHFIELD TANK PULL	Project #: 50006556			
Site:	SSOW#:			

Analysis Requested

500-217596 COC

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - PVOC+NAP	Total Number of containers	Special Instructions/Note
			Preservation Code:					N		
1	S-1	6/3/22	1240	G	Solid			X		
2	S-2		1245		Solid			X		
3	S-3		1250		Solid			X		
4	S-4		1255		Solid			X		
5	S-5		1300		Solid			X		
6	S-6		1303		Solid			X		
7	S-7		1306		Solid			X		
8	S-8		1310					X		
9	S-9		1315					X		
10	S-10		1320					X		
11	S-11		1325					X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Quin Lenz	6/3/22 1535	Cedar	Stephanie Hernandez	6/4/22 0915	EEIA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: ~~4.3~~ 4.1 4.6+3.6

Ver 06/08/2021

6/20/2022

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Quin Lenz	Lab PM: Fredrick Sandie	Carrier Tracking No(s): 577605978336	COC No: 500-101813-44117 1
Client Contact: Quin Lenz	Phone: 920 309-4197	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: WI	Page: Page ~~1 of 2~~ 2 of 2
Company: Cedar Corporation	PWSID:	Analysis Requested		Job #: 500-217596
Address: 1695 Bellevue Street	Due Date Requested: Standard			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other specify; Other:
City: Green Bay	TAT Requested (days): Standard			
State, Zip: WI 54311	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: quin.lenz@cedarcorp.com	WO #:			
Project Name: RICHFIELD TANK PULL	Project #: 50006556			
Site:	SSOW#:			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B PVOC+NAP	Total Number of containers	Special Instructions/Note
				Preservation Code:				N		
12	S-12	6/3/22	1330	G	Solid			X		
13	Trip Blank	1	10.00	G	~~Solid~~			X		
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	6/3/22 1535	Cedar	Stephanie Humanchey	6/4/22 0915	EEHA
2						
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-217596-1

Login Number: 217596
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashley Wagner
Cedar Corporation
W61 N497 Washington Ave
Cedarburg Wisconsin 53012

Generated 11/17/2022 5:17:26 PM

JOB DESCRIPTION

Millis Transfer Richfield, WI

JOB NUMBER

500-224837-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

myEOL

Table of Contents

Case Narrative

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

Job ID: 500-224837-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-224837-1

Comments
No additional comments.

Receipt
The samples were received on 11/3/2022 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

Client Sample ID: MW-1 — Lab Sample ID: 500-224837-1

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.53		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	1.7		0.50	0.18	ug/L	1		8260B	Total/NA
Toluene	0.59		0.50	0.15	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	2.4		1.0	0.36	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.82	J	1.0	0.25	ug/L	1		8260B	Total/NA
Xylenes, Total	7.2		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: PW-1 — Lab Sample ID: 500-224837-2

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.70	J	1.0	0.39	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-224837-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-224837-1	MW-1	Water	11/02/22 09:55	11/03/22 09:40
500-224837-2	PW-1	Water	11/02/22 10:48	11/03/22 09:40
500-224837-3	Trip Blank	Water	11/02/22 00:00	11/03/22 09:40

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

Client Sample ID: MW-1
Date Collected: 11/02/22 09:55
Date Received: 11/03/22 09:40

Lab Sample ID: 500-224837-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.53**		0.50	0.15	ug/L			11/15/22 12:24	1
Ethylbenzene	**1.7**		0.50	0.18	ug/L			11/15/22 12:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/15/22 12:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/15/22 12:24	1
Toluene	**0.59**		0.50	0.15	ug/L			11/15/22 12:24	1
1,2,4-Trimethylbenzene	**2.4**		1.0	0.36	ug/L			11/15/22 12:24	1
1,3,5-Trimethylbenzene	**0.82**	**J**	1.0	0.25	ug/L			11/15/22 12:24	1
Xylenes, Total	**7.2**		1.0	0.22	ug/L			11/15/22 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*72 - 124*		*11/15/22 12:24*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*11/15/22 12:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*75 - 126*		*11/15/22 12:24*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*11/15/22 12:24*	*1*

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

Client Sample ID: PW-1
Date Collected: 11/02/22 10:48
Date Received: 11/03/22 09:40

Lab Sample ID: 500-224837-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/15/22 12:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/15/22 12:49	1
Methyl tert-butyl ether	**0.70**	**J**	1.0	0.39	ug/L			11/15/22 12:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/15/22 12:49	1
Toluene	<0.15		0.50	0.15	ug/L			11/15/22 12:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/15/22 12:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/15/22 12:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/15/22 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*72 - 124*		*11/15/22 12:49*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*11/15/22 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*75 - 126*		*11/15/22 12:49*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*11/15/22 12:49*	*1*

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

Client Sample ID: Trip Blank

Date Collected: 11/02/22 00:00
Date Received: 11/03/22 09:40

Lab Sample ID: 500-224837-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/15/22 12:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/15/22 12:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/15/22 12:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/15/22 12:00	1
Toluene	<0.15		0.50	0.15	ug/L			11/15/22 12:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/15/22 12:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/15/22 12:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/15/22 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*72 - 124*		*11/15/22 12:00*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*11/15/22 12:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*75 - 126*		*11/15/22 12:00*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*11/15/22 12:00*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

GC/MS VOA

Analysis Batch: 684938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-224837-1	MW-1	Total/NA	Water	8260B	
500-224837-2	PW-1	Total/NA	Water	8260B	
500-224837-3	Trip Blank	Total/NA	Water	8260B	
MB 500-684938/6	Method Blank	Total/NA	Water	8260B	
LCS 500-684938/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-224837-1	MW-1	77	89	79	96
500-224837-2	PW-1	79	95	80	96
500-224837-3	Trip Blank	78	89	80	96
LCS 500-684938/5	Lab Control Sample	77	96	83	95
MB 500-684938/6	Method Blank	78	94	79	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-684938/6
Matrix: Water
Analysis Batch: 684938

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/15/22 11:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/15/22 11:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/15/22 11:34	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/15/22 11:34	1
Toluene	<0.15		0.50	0.15	ug/L			11/15/22 11:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/15/22 11:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/15/22 11:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/15/22 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*72 - 124*		*11/15/22 11:34*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*11/15/22 11:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*75 - 126*		*11/15/22 11:34*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*11/15/22 11:34*	*1*

Lab Sample ID: LCS 500-684938/5
Matrix: Water
Analysis Batch: 684938

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	42.1		ug/L		84	70 - 120
Ethylbenzene	50.0	44.6		ug/L		89	70 - 123
Methyl tert-butyl ether	50.0	42.8		ug/L		86	55 - 123
Naphthalene	50.0	46.9		ug/L		94	53 - 144
Toluene	50.0	44.6		ug/L		89	70 - 125
1,2,4-Trimethylbenzene	50.0	42.7		ug/L		85	70 - 123
1,3,5-Trimethylbenzene	50.0	43.4		ug/L		87	70 - 123
Xylenes, Total	100	83.4		ug/L		83	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*77*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield, WI

Job ID: 500-224837-1

Client Sample ID: MW-1
Date Collected: 11/02/22 09:55
Date Received: 11/03/22 09:40

Lab Sample ID: 500-224837-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	684938	W1T	EET CHI	11/15/22 12:24

Client Sample ID: PW-1
Date Collected: 11/02/22 10:48
Date Received: 11/03/22 09:40

Lab Sample ID: 500-224837-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	684938	W1T	EET CHI	11/15/22 12:49

Client Sample ID: Trip Blank
Date Collected: 11/02/22 00:00
Date Received: 11/03/22 09:40

Lab Sample ID: 500-224837-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	684938	W1T	EET CHI	11/15/22 12:00

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-224837-1
Project/Site: Millis Transfer Richfield, WI

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chain of Custody Record

638811 eurofins | Environment Testing America

Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name Cedar Corp.	Tel/Email Ashley.wagner@cedarcorp.com	Lab Contact	Carrier	1 of 1 COCs
Address W61N497 Washington Ave	Analysis Turnaround Time			Sampler
City/State/Zip Cedarburg, WI 53012	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone 920-309-2289	TAT if different from Below			Walk-in Client
Fax	☐ 2 weeks STD			Lab Sampling
Project Name Mills Trafster	☐ 1 week			
Site Richfield, WI	☐ 2 days			Job / SDG No 500-224837
P O #	☐ 1 day			

500-224837 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PVOCs + Naph	Sample Specific Notes
1 MW-1	11.2.22	955	G	GW	3	N	N	X	
2 PW-1	11.2.22	1048	G	V	3	N	N	X	
3 Trip Blank	—	—	G	DI	1	N	N	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other NA

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample n the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

1.1+2.1

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____			
Relinquished by Ashley Wagner	Company Cedar	Date/Time 11.2.22 1140	Received by	Company Eurofins	Date/Time 11.2.22 1140
Relinquished by	Company Eurofins 11.2.22	Date/Time 17:00	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by Stephanie Hernandez	Company EEIA	Date/Time 11/3/22 0940

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-224837-1

Login Number: 224837
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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11/17/2022 5:17:26 PM

Authorized for release by
Jodie Bracken, Project Management Assistant II
Jodie.Bracken@et.eurofinsus.com
Designee for
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashley Wagner
Cedar Corporation
W61 N497 Washington Ave
Cedarburg, Wisconsin 53012

Generated 12/14/2022 3:36:05 PM

JOB DESCRIPTION

Millis Transfer Richfield

JOB NUMBER

500-226264-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

Generated
12/14/2022 3:36:05 PM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Case Narrative

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield

Job ID: 500-226264-1

Job ID: 500-226264-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-226264-1

Comments
No additional comments.

Receipt
The samples were received on 12/3/2022 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield

Job ID: 500-226264-1

Client Sample ID: MW-1 — Lab Sample ID: 500-226264-1

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.26	J	0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	2.9		0.50	0.18	ug/L	1		8260B	Total/NA
Naphthalene	0.44	J	1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.65	B	0.50	0.15	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	3.2		1.0	0.36	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.97	J	1.0	0.25	ug/L	1		8260B	Total/NA
Xylenes, Total	8.2		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-226264-2

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.21	J B	0.50	0.15	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield

Job ID: 500-226264-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield

Job ID: 500-226264-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-226264-1	MW-1	Ground Water	12/02/22 09:00	12/03/22 09:35
500-226264-2	Trip Blank	Water	12/02/22 00:00	12/03/22 09:35

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield

Job ID: 500-226264-1

Client Sample ID: MW-1

Date Collected: 12/02/22 09:00
Date Received: 12/03/22 09:35

Lab Sample ID: 500-226264-1

Matrix: Ground Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.26**	**J**	0.50	0.15	ug/L			12/07/22 16:14	1
Ethylbenzene	**2.9**		0.50	0.18	ug/L			12/07/22 16:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/07/22 16:14	1
Naphthalene	**0.44**	**J**	1.0	0.34	ug/L			12/07/22 16:14	1
Toluene	**0.65**	**B**	0.50	0.15	ug/L			12/07/22 16:14	1
1,2,4-Trimethylbenzene	**3.2**		1.0	0.36	ug/L			12/07/22 16:14	1
1,3,5-Trimethylbenzene	**0.97**	**J**	1.0	0.25	ug/L			12/07/22 16:14	1
Xylenes, Total	**8.2**		1.0	0.22	ug/L			12/07/22 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*12/07/22 16:14*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*12/07/22 16:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*		*12/07/22 16:14*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*12/07/22 16:14*	*1*

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield

Job ID: 500-226264-1

Client Sample ID: Trip Blank

Date Collected: 12/02/22 00:00
Date Received: 12/03/22 09:35

Lab Sample ID: 500-226264-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			12/07/22 12:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/07/22 12:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/07/22 12:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/07/22 12:39	1
Toluene	**0.21**	**J B**	0.50	0.15	ug/L			12/07/22 12:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/07/22 12:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/07/22 12:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/07/22 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*12/07/22 12:39*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*12/07/22 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*12/07/22 12:39*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*12/07/22 12:39*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield

Job ID: 500-226264-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield

Job ID: 500-226264-1

GC/MS VOA

Analysis Batch: 688607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-226264-1	MW-1	Total/NA	Ground Water	8260B	
500-226264-2	Trip Blank	Total/NA	Water	8260B	
MB 500-688607/7	Method Blank	Total/NA	Water	8260B	
LCS 500-688607/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield

Job ID: 500-226264-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-226264-1	MW-1	89	97	88	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-226264-2	Trip Blank	89	96	86	91
LCS 500-688607/5	Lab Control Sample	88	99	86	92
MB 500-688607/7	Method Blank	91	100	89	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-688607/7
Matrix: Water
Analysis Batch: 688607

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			12/07/22 11:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/07/22 11:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/07/22 11:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/07/22 11:18	1
Toluene	0.170	J	0.50	0.15	ug/L			12/07/22 11:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/07/22 11:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/07/22 11:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/07/22 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*12/07/22 11:18*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*12/07/22 11:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*12/07/22 11:18*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*12/07/22 11:18*	*1*

Lab Sample ID: LCS 500-688607/5
Matrix: Water
Analysis Batch: 688607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	43.7		ug/L		87	70 - 120
Ethylbenzene	50.0	46.5		ug/L		93	70 - 123
Methyl tert-butyl ether	50.0	40.2		ug/L		80	55 - 123
Naphthalene	50.0	41.5		ug/L		83	53 - 144
Toluene	50.0	44.7		ug/L		89	70 - 125
1,2,4-Trimethylbenzene	50.0	47.5		ug/L		95	70 - 123
1,3,5-Trimethylbenzene	50.0	48.8		ug/L		98	70 - 123
Xylenes, Total	100	90.6		ug/L		91	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*
Toluene-d8 (Surr)	*92*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Millis Transfer Richfield

Job ID: 500-226264-1

Client Sample ID: MW-1

Date Collected: 12/02/22 09:00
Date Received: 12/03/22 09:35

Lab Sample ID: 500-226264-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	688607	W1T	EET CHI	12/07/22 16:14

Client Sample ID: Trip Blank

Date Collected: 12/02/22 00:00
Date Received: 12/03/22 09:35

Lab Sample ID: 500-226264-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	688607	W1T	EET CHI	12/07/22 12:39

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-226264-1
Project/Site: Millis Transfer Richfield

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chain of Custody Record

638942 eurofins | Environment Testing America

Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager Ashley Wagner	Site Contact	Date	COC No
Company Name Cedar Corp	Tel/Email Ashley.Wagner@cedarcorp.com	Lab Contact	Carrier	1 of 1 COCs
Address W161 N497 Washington Ave	Analysis Turnaround Time			Sampler
City/State/Zip Cedarburg, WI 53012	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone 920-369-3289	TAT if different from Below _____			Walk in Client
Fax	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling
Project Name Mills Transfer				Job / SDG No
Site Richfield				500-226264
P O #				

500 226264 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PVOCs + Naph.	Sample Specific Notes
MW-1	12.2	900	G	GW	3	N	N	X	
TRIPBLANK	—	—	—	DI	1	N	N	X	Lab Prepared

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 2

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 3.9 Corr'd 3.8 | Therm ID No _____

	Company	Date/Time		Company	Date/Time
Relinquished by	Cedar	12.2.22 945	Received by	Eurofins	12.2.22 9.45
Relinquished by	Eurofins	12.2.22 1700	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
				EET	12/3/22 0935

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-226264-1

Login Number: 226264
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Notification form for Hazardous Substance Discharge (4400-225) **Date Submitted:** 03/08/2023

Notice: Hazardous substance discharges must be reported immediately according to Wis. Stat. § 292.11. Non-emergency hazardous substance discharges may be reported by submitting this online form, calling the Department or visiting an office in person. Under Wis. Stat. § 292.99, the penalty for violating the reporting requirement of Wis. Stat. ch. 292 shall be no less than $10 nor more than $5,000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (Wis. Stat. § 19.31 - 19.39). Submitting the notification as part of a Phase 1 or Phase 2 environment assessment report is not considered immediate notification under Wis. Stat. ch. 292.

Reporter Information:

Name: Ashley Wagner **Company:** Cedar Corp

Address: W61 N497 Washington Avenue, Cedarburg, WI, 53012 **Phone:** 4144105206

Email: ashley.wagner@cedarcorp.com

Site Information:

Site Name: Millis Transfer - Richfield

Address: 3001 Holy Hill Rd, Richfield, WI, 53076

Address Description: Not Applicable

Coordinates, County and municipality where contamination was found on the property

Coordinates: **WTM** 667175 310101 **Lat/Long** 43.24935 -88.18703

What does the coordinate location represent? Contamination source (preferred)

County: Washington **Municipality:** Richfield

Responsible Party (RP):

Company Name	Full Name	Address	Email	Phone Number
Millis Transfer		PO Box 550, Black River Falls, WI, 54615	dan.millis@millistransfer.com	7152844384

Contact Person:

Representing the Responsible Party, Business or Property Owner

Contact Person Information: Same as Contact Reporting Discharge

Company Name	Full Name	Address	Email	Phone Number
Cedar Corp	Ashley Wagner	W61 N497 Washington Avenue, Cedarburg, WI, 53012	ashley.wagner@cedarcorp.com	4144105206

Hazardous Substance Information

Type of Discharge:

Aboveground Petroleum Storage Tank System

Contamination was discovered as a result of:

Tank Closure Assessment - 6/3/2022

Hazardous Substance Discharged:

Diesel
VOC – Other (Specify)

VOC Other Comments: Trimethylbenzene

Impacts to the Environment

Impacts to the Environment Information:

Soil Contamination

Lab Results and other Info

Lab results or Report: Lab results or report are attached

Additional documentation: Submit request for No Action Required (NAR) determination under Wis. Admin. Code s. NR 716.05 - Letter requested (General liability clarification letter under Wis. Stat. s. 292.55) - Include Form 4400-237 ($700)

Document Type: Technical Assistance and Environmental Liability Clarification Request Form (Form 4400-237) - [Document has been revised since originally submitted]

Payment type: Mail Check **Payment Amount:** 700

Additional Comments: Fee of $700 has already been paid.

If you have questions please contact:

JENNIFER MEYER

jennifer.meyer1@wisconsin.gov

(608) 219-2205

TR-WM-140 (4/22) Formerly ERS-8951

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures
P.O. Box 7837, Madison, WI 53707-7837
(608) 224-4942

Wis. Admin. Code §ATCP 93.560

FOR OFFICE USE ONLY

TANK SYSTEM SERVICE AND CLOSURE ASSESSMENT REPORT

Personal information you provide may be used for purposes other than that for which it was originally collected (s. 15.04(1)(m) Wis. Stats.).

Complete One Form for Each System Service Event

FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE 'N/A' BOX

CHECK ONE: ☒ **UNDERGROUND** ☐ **ABOVEGROUND**

Part A – To be completed by contractor performing repair or closure

A. TYPE OF SERVICE ☒ CLOSURE ☐ REPAIR/UPGRADE ☐ CHANGE-IN-SERVICE

Indicate portion of system being serviced if a repair, upgrade or change-in-service is being performed

☐ Remote fill ☐ Tank ☐ Piping ☐ Transition/containment sump ☐ Spill bucket ☐ Dispenser

B. IDENTIFICATION

OWNER INFORMATION

OWNER NAME	CONTACT NAME	TITLE
MILLIS TRANSFER INC 412663	CRAIG SCHMIDT	

MAILING ADDRESS	☐ CITY ☐ TOWN ☐ VILLAGE	STATE	ZIP
P.O. BOX 550	BLACK RIVER FALLS	WI	54615

TELEPHONE:	E-MAIL
(715) 299 - 2319	

SITE INFORMATION

FACILITY NAME
MILLIS TRANSFER INC

SITE ADDRESS (Not PO Box)	☐ CITY ☐ TOWN ☒ VILLAGE	STATE	ZIP
3001 STATE RD 167 W	RICHFIELD	WI	53076

SERVICE CONTRACTOR INFORMATION

PRIMARY SERVICE CONTRACTOR Section A Above	SERVICE CONTRACTOR CERT ID #	TELEPHONE:	CELL:
ADVANCED TANK SERVICE, INC	507193	(715) 831 - 8484	(715) 579 - 8324

STREET ADDRESS	☐ CITY ☐ TOWN ☐ VILLAGE	STATE	ZIP
P.O. BOX 1072	EAU CLAIRE	WI	54702

C. TANK SYSTEM DETAIL (Complete for all service activities)

a	b	c	d	e	f	g	h	
Tank ID #	Type of Closure[1]	Tank Material of Construction	Piping Material of Construction	Tank Capacity (gallons)	Contents[2]	Release - System Integrity Compromised (e.g. holes, cracks, loose connection,	If "Yes" to "g", Then Specify Source and Cause of Release[5]	
							Source of Release[3]	Cause of Release[4]
113523	P	STEEL	FRP	15000	DL	☐ Yes ☒ No		
						☐ Yes ☐ No		
						☐ Yes ☐ No		
						☐ Yes ☐ No		
						☐ Yes ☐ No		
						☐ Yes ☐ No		

1. Indicate type of closure: P = Permanent, TOS = Temporarily Out-of-Service, CIP = Closure In-Place
2. Indicate type of product: DL = Diesel, LG = Leaded Gasoline, UG = Unleaded Gasoline, FO = Fuel Oil, GH = Gasohol, AF = Aviation Fuel, K = Kerosene, PX = Premix, WO = Waste/Used Motor Oil, FCHZW = Flammable/Combustible Hazardous Waste, OC = Other Chemical (indicate the chemical name(s):

3. CAS number(s):

4. Source of release: T = tank, P = piping, D = dispenser, STP = submersible turbine pump, DP = delivery problem, O = other, UNK = Unknown
5. Cause of release:
   S = spill, O = overfill, POMD = physical or mechanical damage, C = corrosion, IP = installation problem, O = other, UNK = Unknown
6. Has release been reported to the Department of Natural Resources? ☐ Yes ☐ No ☒ Release not evident at this time (pending sample analysis)

Part A Distribution: DATCP DNR Inspector Contractor Owner

D. CLOSURES (Check applicable box at right in response to all statements in section D)

Written notification was provided to the local agent 5 days in advance of closure date. ☑ Yes ☐ No

All local permits were obtained before beginning closure. ☑ Yes ☐ No ☐ NA

☑ UST Form TR-WM-137 or ☐ AST Form TR-WM-118 filed by owner with the DATCP indicating closure. ☑ Yes ☐ No ☐ NA

NOTE: *TANK INVENTORY FORM TR-WM-137 or TR-WM-118 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE or CHANGE-IN-SERVICE CHECKLIST*

D. ☑ CLOSURE BY REMOVAL OR IN-PLACE

1. General Requirements	Remover Verified	Inspector Verified	Inspector Not Present	NA
a. Product from piping drained into tank (or other container).	☑ Y ☐ N	☑ Y ☐ N	☐	☐
b. Piping disconnected from tank and removed.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
c. All liquid and residue removed from tank using explosion-proof pumps or hand pumps prior to removing tank from excavation.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
d. All pump motors and suction hoses bonded to tank or otherwise grounded.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
e. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures	☑ Y ☐ N	☑ Y ☐ N	☐	☐
f. Vent lines left connected until tanks purged.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
g. Tank openings temporarily plugged so vapors exit through vent.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
h. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section E.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
2. Specific Closure-by-Removal Requirements				
a. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
b. Tank cleaned before being removed from site.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
c. Tank labeled in full compliance with API 1604 after removal but before being moved from site.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
NOTE: *COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; MONTH/DAY/YEAR OF REMOVAL*				
d. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site.	☐ Y ☐ N	☐ Y ☐ N	☐	☑
e. Site security is provided while the excavation is open.	☑ Y ☐ N	☑ Y ☐ N	☐	☐
3. Specific Closure-In-Place Requirements				
NOTE: *CLOSURES IN-PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION (DATCP) OR LOCAL AGENT.*				
a. Tank properly cleaned to remove all sludge and residue.	☐ Y ☐ N	☐ Y ☐ N	☐	☐
b. Solid inert material (sand, cyclone boiler slag, or pea gravel recommended) introduced and tank filled.	☐ Y ☐ N	☐ Y ☐ N	☐	☐
c. Vent line disconnected or removed.	☐ Y ☐ N	☐ Y ☐ N	☐	☐
d. Inventory form filed by owner with DATCP indicating closure in-place.	☐ Y ☐ N	☐ Y ☐ N	☐	☐

E. ☐ REPAIR, UPGRADE OR CHANGE-IN-SERVICE

Written notification was provided to the local agent 5 days in advance of service date.	☐ Y	☐ N	☐ NA
All local permits were obtained before beginning service.	☐ Y	☐ N	☐ NA
Form TR-WM-137 or 0 TR-WM-118 filed by owner with DATCP indicating change-in-service.	☐ Y	☐ N	☐ NA

F. METHOD OF VAPOR FREEING OF TANK

☐ Displacement of vapors by eductor or diffused air blower.

Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.

☐ Inert gas using dry ice or liquid carbon dioxide.

☐ Inert gas using CO_2 or N_2 **NOTE:** *INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. LEL METERS MAY NOT FUNCTION ACCURATELY. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.*

Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.

Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☑ Readings of 10% or less of the lower flammable range (LEL) or <5% oxygen obtained before removing tank from ground.

☑ Tank atmosphere monitored for flammable or combustible vapor levels prior to and during cleaning and cutting.

☑ Calibrate combustible gas indicator and/or oxygen meter prior to use. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank.

TR-WM-140 (4/22) Formerly ERS-8951

G. REMOVER/CLEANER INFORMATION

REMOVER/CLEANER NAME (PRINT):	REMOVER/CLEANER SIGNATURE	CERTIFICATION #	DATE TANK REMOVED
Justin Peloquin	J nPl	401548	6-3-22

I attest that the procedures and information which I have provided as the tank closure contractor are correct and comply with ATCP 93.

Company expected to perform soil contamination assessment cedar corp 401889

Distribution: DATCP DNR Inspector Contractor Owner

H. INSPECTOR INFORMATION

Jason Karczewski		468444	DATCP
INSPECTOR NAME (PRINT)	INSPECTOR SIGNATURE	INSPECTOR CERTIFICATION #	LPO AGENCY/COMPANY NAME

6610 Richfield	(262) 307-6440	6/3/22
FDID # FOR LOCATION WHERE INSPECTION PERFORMED	INSPECTOR TELEPHONE NUMBER	DATE SIGNED

INSPECTOR NOTES:

Distribution: DATCP DNR Inspector Contractor Owner

Part B – To be completed by environmental professional - Submit *original* Part B to the WDNR along with a *copy* of Part A

I. TANK-SYSTEM SITE ASSESSMENT (TSSA)

SITE NAME - ***Note: SITE NAME and address MUST MATCH with Part A Section 1.***

Millis Transfer LLC

SITE ADDRESS (Not PO Box)	☒ CITY ☐ TOWN ☐ VILLAGE	STATE	ZIP
3001 State HWY 167	Richfield	WI	53076

To determine if a TSSA is required, see ATCP 93 and section II part B of *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

If a TSSA is required, then follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS*

1. Site Information

a. Has there been a previously documented release at this site? ☐ Y ☒ N

If yes, provide the DATCP # _____ or DNR BRRT's # _____

b. Number of active tanks at facility prior to completion of current services: USTs 1 ASTs 0

(**NOTE 1**: *Do not include previously closed systems or system components*.)

c. Excavation/trench dimensions (in feet). (Photos must be provided.)

EXCAVATION/TRENCH #	LENGTH	WIDTH	DEPTH
Tank Bed	34	17	12
Piping	24	4	3

2. Visual Excavation/Trench Inspection (Photos must be provided for "Yes" responses, except item b.)

Do any of the following conditions exist in or about the excavation(s)?

a. Stained soils: ☐ Yes ☒ No b. Petroleum odor: ☒ Yes ☐ No c. Water In excavation/trench: ☒ Yes ☐ No

d. Free product in the excavation/trench: ☐ Yes ☒ No e. Sheen or free product on water: ☐ Yes ☒ No

3. Geology/Hydrogeology

a. Depth to groundwater 13 feet b. Indicate type of geology[2] Silty sand

4. Receptors

a. Water supply well(s) within 250 feet of the facility? ☒ Yes ☐ No If yes, specify: Potable well on site, specific location unknown

b. Surface water(s) within 1000 feet of the facility? ☐ Yes ☒ No If yes, specify: _____

5. Sampling

a. Follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

b. Complete Tables 1 and 2 as appropriate. (Attach chain-of-custody and laboratory analytical reports.)

c. Attach a detailed map of site features and sample locations.

J. NOTE RELEVANT OBSERVATIONS, SPECIFIC PROBLEMS OR CONCERNS BELOW

Groundwater was encountered in the bottom of the excavation. No base samples were collected. Sidewall samples were collected approximately 12 feet below ground surface, just above the water table. Soil samples S-1 and S-12 had elevated PID readings. The western tank wall was approximately 8 feet from the master pump. Soil sample S-1 was collected approximately 3 feet below the master pump. Soil sample S-12 was collected from the west side wall at approximately 12 feet. Sample S-12 acts as a confirmation sample from beneath soil sample S-1. 1,2,4-Trimethylbenzene was detected in the trip blank at 32J micrograms per kilogram, the result was detected between the laboratory limit of detection and the limit of quantification.

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method				Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
		Grab	Shelby Tube	Direct Push	Split Spoon				
S-1	East master piping / Silty sand	☒	☐	☐	☐	-3	130.4		
S-2	South satellite piping / Silty sand	☒	☐	☐	☐	-3	0.7		
S-3	West master piping / Silty sand	☒	☐	☐	☐	-3	0.2		
S-4	North satellite piping / Silty sand	☒	☐	☐	☐	-3	0.2		
S-5	Southwest wall / Silty sand	☒	☐	☐	☐	-12	0.4		
S-6	South wall / Silty sand	☒	☐	☐	☐	-12	0.3		
S-7	Southeast wall / Silty sand	☒	☐	☐	☐	-12	0.2		
S-8	Northwest wall / Silty sand	☒	☐	☐	☐	-12	0.4		
S-9	North wall / Silty sand	☒	☐	☐	☐	-12	0.5		
S-10	Northeast wall / Silty sand	☒	☐	☐	☐	-12	1.0		
S-11	East wall / Silty sand	☒	☐	☐	☐	-12	1.4		
S-12	West wall / Silty sand	☒	☐	☐	☐	-12	171.1		
		☐	☐	☐	☐				
		☐	☐	☐	☐				

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
S-1	<17	<17	670	<45	8,200	3,300	<38
S-2	<8.5	<8.5	<11	<23	<22	<13	<19
S-3	<8.6	<8.6	<11	<23	<22	<13	<20
S-4	<8.6	<8.6	<11	<23	<22	<13	<20
S-5	<8.6	<8.7	<11	<23	<22	<13	<20
S-6	<8.4	<8.5	<11	<23	<22	<13	<19
S-7	<8.6	<8.6	<11	<23	<22	<13	<20
S-8	<8.5	<8.5	<11	<23	<22	<13	<19
S-9	<8.9	<8.9	<11	<24	<23	<13	<20
S-10	<8.7	<8.8	<11	<24	<23	<13	<20
S-11	<8.8	<8.9	<11	<24	<23	<13	<20
S-12	<8.6	12JB	1,100	<23	12,500	3,100	<20
Trip Blank	<7.3	<7.4	<9.2	<20	32J	<11	<17

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

☐ As a tank-system site assessor certified under Wis. Admin. Code section ATCP 93.240, it is my opinion that there is no indication of a release of a regulated substance to the environment.

☒ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section ATCP 93.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter ATCP 93 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of $10 and a maximum of $5000 for each violation under Wis. Stats. Section 168.26 (5). Each day of continued violation and each tank are treated as separate offenses.

Quin Lenz		494047
TANK-SYSTEM SITE ASSESSOR NAME (PRINT):	TANK-SYSTEM SITE ASSESSOR SIGNATURE	CERTIFICATION NO.

(920) 491 - 9081	6/20/2022	Cedar Corporation
TANK-SYSTEM SITE ASSESSOR TELEPHONE NUMBER	DATE SIGNED	COMPANY NAME

This document can be made available in alternate formats to individuals with disabilities upon request.

Distribution: DATCP DNR Inspector Contractor Owner

TR-WM-137 (9/20) Formerly ERS 7437

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures
PO Box 7837 Madison, WI 53707-7837
(608) 224-4942

FOR OFFICE USE ONLY

Wis. Admin. Code §ATCP 93.140

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Personal information you provide may be used for purposes other than that for which it was originally collected (s. 15.04(1)(m) Wis. Stats.).

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered.
A separate form is needed for each tank. Send each completed form to the agency designated above.

Have you previously registered this tank by submitting a form? ☒ Yes ☐ No If yes, are you correcting/updating information only? ☒ Yes ☐ No

This registration applies to a ☒ tank ☐ piping status that is *(check one)*: Date of status change: 6/3/2022

☐ In Use ☐ Abandoned with Water ☐ Abandoned with Product
☐ Newly Installed ☒ Closed - Removed ☐ Abandoned without Product (empty)
☐ Temporarily Out of Service – Provide Date: ☐ Closed – Filled with Inert Materials ☐ Change of Site/Facility Address Only (complete boxes 1.a. and b. below)
☐ Ownership Change (Indicate new owner name in box 2 – *attach deed)*

IDENTIFICATION (Please Print)

1. TANK SITE NAME	COUNTY	PHONE	
MILLIS TRANSFER INC	WASHINGTON	( ) -	
a. CURRENT SITE STREET ADDRESS	☐ CITY ☒ VILLAGE ☐ TOWN OF:	STATE	ZIP
3001 STATE RD 167 W	RICHFIELD	WI	53076
b. PREVIOUS SITE STREET ADDRESS	☐ CITY ☐ VILLAGE ☐ TOWN OF:	STATE	ZIP

Fire Dept. providing fire coverage where tank is located: ☐ CITY ☐ TOWN ☒ VILLAGE of: RICHFIELD #6610

2. TANK OWNER LEGAL NAME	COUNTY	PHONE: Check ☐ CELL or ☐ LAND	
MILLIS TRANSFER INC	JACKSON	(715) 299 - 2319	
MAILING ADDRESS	☐ CITY ☐ VILLAGE ☐ TOWN OF:	STATE	ZIP
P.O. BOX 550	BLACK RIVER FALLS	WI	54615
3. PROPERTY OWNER NAME *(if different from Tank Owner Legal Name #2)*	COUNTY *(if different from County #2)*		
PROPERTY OWNER ADDRESS *(if different from Site Street Address #1)*	☐ CITY ☐ VILLAGE ☐ TOWN OF:	STATE	ZIP

4. CLASS A NAME	DOB	CERTIFICATION: (Attach certificate)
5. CLASS B NAME	DOB	CERTIFICATION: (Attach certificate)

SITE ID:	FACILITY ID # 412663	CUSTOMER ID #
Tank Capacity (gallons): 15000	Tank Age (age or date installed):	Vehicle fueling: ☒ Yes ☐ No

LAND OWNER TYPE *(Refer to back; check one)*: ☐ County ☐ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☒ Private

OCCUPANCY TYPE *(check one)* Refer to back
☐ Retail Fuel Sales ☒ Mercantile/Commercial ☐ Bulk Storage ☐ Terminal Storage ☐ Industrial ☐ Residential ☐ School ☐ Government Fleet
☐ Agricultural (crop or livestock production) ☐ Utility ☐ Backup or Emergency Generator ☐ Other (specify):

TANK CONSTRUCTION:
☐ Bare Steel ☒ Coated Steel ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Fiberglass ☐ Unknown ☐ Other (specify): ☐ Lined (date):

Overfill Protection? ☒ Yes ☐ No
Spill Containment? ☒ Yes ☐ No
Tank Double Walled? ☐ Yes ☒ No

TANK CATHODIC PROTECTION: ☒ Sacrificial Anodes ☐ Impressed Current ☐ N/A

TANK LEAK DETECTION METHOD: ☒ Automatic tank gauging ☐ Interstitial monitoring ⇨ Electronic ☐ Yes ☐ No ☐ Statistical Inventory Reconciliation (SIR)
☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Unknown

PIPING CONSTRUCTION: ☒ Single Wall ☐ Double Wall:
☐ Bare Steel ☐ Coated Steel ☒ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown ☐ N/A ☐ Other:

PIPING CATHODIC PROTECTION: ☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

PRIMARY PIPING SYSTEM TYPE: ☒ Pressurized piping with ⇨ ☐ A. Pump auto shutoff - ELLD ☒ B. Flow restrictor – MLLD ☐ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

PIPING LEAK DETECTION METHOD: ☐ Interstitial monitoring ⇨ Electronic ☐ Yes ☐ No ⇨ Sump or cable sensor ☐ Yes ☐ No
☒ Tightness testing ☐ Electronic line monitor - ELLD ☐ SIR ☐ Not required ☐ Unknown

TANK CONTENTS *Current, or previous product (if tank now empty)* (* = NOT PECFA eligible) ☐ Leaded ☐ Unleaded ☐ Gas-ethanol blend: ___ % ethanol ☒ Diesel
☐ Bio-Diesel: ___ % ☐ Hazardous Waste/Interface* ☐ Kerosene ☐ Fuel Oil ☐ Premix ☐ New Oil ☐ New oil – Flash point less than 200°F
☐ Waste/Used Motor Oil ⇨ ☐ Used for Heating ☐ Aviation ☐ Empty* ☐ Sand/Grave/Slurry* ☐ Unknown
☐ Other (specify): ☐ Chemical* Name: CAS#

Has a site assessment been completed? *(see reverse side for details)* ☒ Yes ☐ No

TANK OWNER LEGAL NAME (please print)	TANK OWNER E-MAIL
Christopher Schwenke	

TANK OWNER SIGNATURE (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.) DATE:

Note: Refer to comments on reverse side of form.

TR-WM-121 (11/19) Formerly ERS-919

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures
Storage Tank Regulation, PO Box 7837, Madison, WI 53707-7837
Phone: (608) 224-4942

FOR OFFICE USE ONLY

Wis. Admin. Code §ATCP 93.115
§ATCP 93.350

ATCP 93 NOTIFICATION RECORD

Personal information you provide may be used for purposes other than that for which it was originally collected (s. 15.04(1)(m), Wis. Stats.)

TO: Darren Leone OFFICE LOCATION: DATCP

(Refer to https://datcp.wi.gov/Pages/Programs_Services/StorageTankContacts.aspx for a jurisdiction's authorized agent/department.)

Note: *Only the notification form is required for non-flammable, non-combustible, hazardous liquid, or CERCLA tanks greater than or equal to 5,000 gallon capacity that are under the direct supervision of a qualified engineer. A plan review is not required. (ATCP 93.350(2)(b)).*

LOCATION / IDENTIFICATION

SITE NAME: Millis Transfer Inc		FACILITY NUMBER: 412663	FIRE DEPT. PROVIDING FIRE PROTECTION COVERAGE: Richfield # 6610			
SITE STREET ADDRESS: 3001 State Road 167 W		☐ CITY ☐ TOWN ☒ VILLAGE: Richfield	STATE: WI	ZIP: 53076	COUNTY: Washington	
OWNER NAME: Millis Transfer Inc		PHONE NUMBER: ( ) -	TANK OWNER EMAIL:			
OWNER STREET ADDRESS: P.O. Box 550		☐ CITY ☐ TOWN ☐ VILLAGE: Black River Falls	STATE: WI	ZIP: 54615		
CONTRACTOR NAME: ADVANCED TANK SERVICE, INC	PHONE NUMBER: (715) 831 - 8484	CELL NUMBER: (715) 579 - 8324	EMAIL: molson@adv-tank.com			
STREET ADDRESS: P.O. BOX 1072		☐ CITY ☐ TOWN ☐ VILLAGE: EAU CLAIRE	STATE: WI	ZIP: 54702		
DATE WORK IS TO BEGIN	DATE/TIME REQUESTED FOR TANK INSPECTION: 6/3 1:30pm	ATCP 93 CERTIFIED INSTALLER SUPERVISOR OR QUALIFIED ENGINEER: Justin Peloquin				

PROJECT WILL INVOLVE: (Check all that apply) Plan Approval No.: Approval Date:

	UST	AST	No. of Tanks	Comments:
Tank Installation	☐	☐		
Dispenser POS Conversion	☐	☐		
Piping Installation or Upgrade	☐	☐		
Leak Detection Upgrade	☐	☐		
Spill or Overfill Protection	☐	☐		
Cathodic Protection or Interior Lining	☐	☐		15K DSL
CERCLA Chemical Tank(s) Only[1]	☐	☐		
Tank Closure	☒	☐	1	
Alternative Fuel Storage Tank Installation[2,3,5] (see footnotes below)	☐	☐		
Alternative Fuel Storage Tank Conversion[4,5] (see footnotes below)	☐	☐		TSSA: Cedar Corporation

[1]Send Notice to DATCP (see address above). Installation inspection is not required if construction/installation is supervised by a qualified engineer.
[2]For LPO installations send notice to both the assigned LPO and DATCP General Inspection Inspector. DATCP General Inspection Inspector will be at the final inspection only. Alternative fuel storage tank systems shall not begin operation until the DATCP General Inspection Inspector has granted approval.
[3]For DATCP installation inspections send notice to only the assigned DATCP Installation Inspector. Alternative fuel storage tank systems shall not begin operation until the DATCP general inspector has granted approval.
[4]Send notice to only the DATCP General Inspection Inspector.
[5]See Conditional Approval letter and Notification email for Installation and general inspector information.

For USTs: If an Owner/Operator intends to begin operation immediately after the final inspection, they shall prepare and submit the documentation listed below at least 15 days prior to the final inspection:

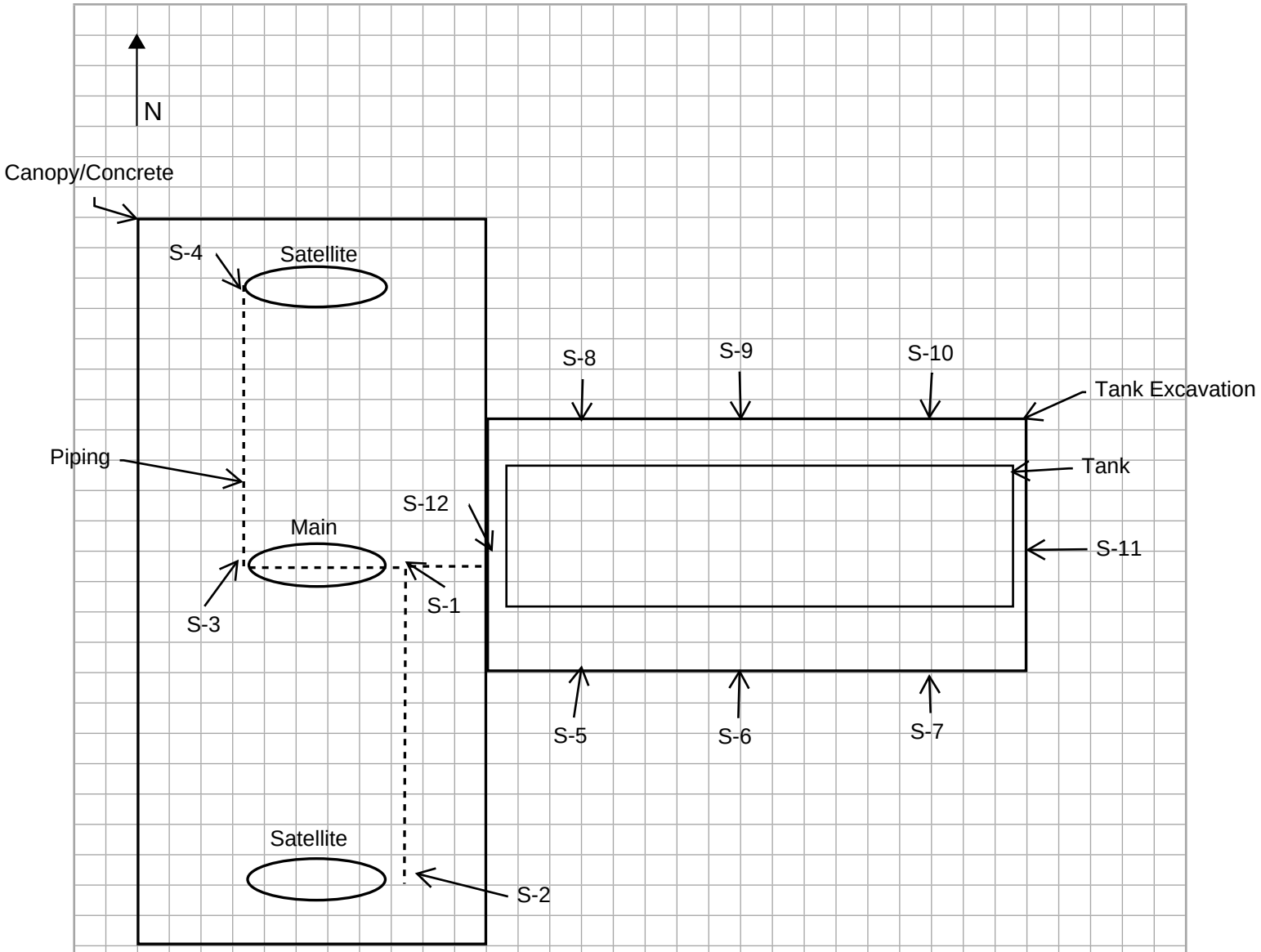
- **A TR-WM-137 Underground Flammable/Combustible Liquid Storage Tank Registration.**
- **A Wisconsin Operator Training Designation form.**
- **Affidavit of Financial Responsibility, certificate of insurance, and site schedule of covered locations and storage tanks.**

Cedar corporation
604 Wilson Avenue
Menomonie, WI 54751
engineering | architecture | environmental | surveying
landscape architecture | planning | economic development

JOB Millis Transfer LLC

BY QL DATE 6/3/2022

Figure 1 - Detailed Site Map



Notes:
-Tank size ~ 9'x32'.
-Tank excavation ~ 34'x17'.
-Piping samples collected at 3' below ground surface (bgs).
-Tank samples collected at 12' bgs.
-No base samples due to groundwater encountered at 13' bgs.

Scale
10 feet

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Wisconsin Department of Natural Resources	3001 State Highway 167, Richfield WI	00590-0009

Photo No.	Date:
1	6/3/2022

Direction Photo Taken:

Northwest

Description:

View of the tank location prior to removal.

Photo No.	Date:
2	6/3/2022

Direction Photo Taken:

East

Description:

View of the tank during removal.

Photo No.	Date:
3	6/3/2022

Direction Photo Taken:

Northwest

Description:

15,000-gallon tank removed from the Site.

Photo No.	Date:
4	6/3/2022

Direction Photo Taken:

West

Description:

Area of the tank excavation.

Photo No.	Date:
5	6/3/2022

Direction Photo Taken:

South

Description:

View of the south sidewall of the tank excavation.

Photo No.	Date:
6	6/3/2022

Direction Photo Taken:

Southwest

Description:

View of the west sidewall of the tank excavation

Photo No. 7	Date: 6/3/2022
Direction Photo Taken: Northwest	
Description: View of the north sidewall of the tank excavation.	

Photo No. 8	Date: 6/3/2022
Direction Photo Taken: Northeast	
Description: View of the east sidewall of the tank excavation.	

Photo No.	Date:
9	6/3/2022

Direction Photo Taken:

North

Description:

View of the pipe excavation running from the main to the northern satellite.

Photo No.	Date:
10	6/3/2022

Direction Photo Taken:

North

Description:

View of the pipe excavation running from the main to the northern satellite.

OSI Environmental, Inc.

STRAIGHT BILL OF LADING

GMO- 4866

BILL TO
Advanced Tank Service #6497
Pick-up 4 drums diesel sludge
East Side of Bldg.
Phone number:

SHIP FROM
Millis Transfer
3001 Holy Hill Rd
Richfield, WI 53076
Phone number:

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on route to said destination. It is mutually agree, as to each carrier of all or any of said property over all or any portion of said route to destination, as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

Route: BEST WAY

Delivery Carrier: ☐ OSI Environmental, Inc. US DOT Hazmat Reg. Number: MNT 280011586

Alternate Carrier: ☐ US DOT Hazmat Reg. Number:

Number of Packages	HM	Description of articles	ERG
____	1	RQ, UN1203, Flammable Liquid, N.O.S. 3 PG II Gasoline for Recycle APPROXIMATE GALLONS:	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	
____	☐	Specialty Product for Recycle Mineral Oil PG III (NON PCB: _____ PPM) APPROXIMATE GALLONS:	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	
____	☐	Specialty Product for Recycle Mineral Oil PG III (NON PCB: _____ PPM) APPROXIMATE GALLONS:	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	
★4	☐	RQ, UN1202, Fuel Oil, Combustible Liquid PG III Surplus Fuel for Recycling APPROXIMATE GALLONS: 220 DIESEL SLUDGE	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and is in proper condition for transportation according to the applicable regulations of The Department of Transportation.

Placards Required: None

Placards Supplied: NO - Furnished By Carrier

Shipper Signature: BOB Miller

Carrier Signature:

Date: 6-13-22

Received By: Chris Mueller Date 6-13-22

CUSTOMER PROJECT NUMBER:

UNIT #: 1005

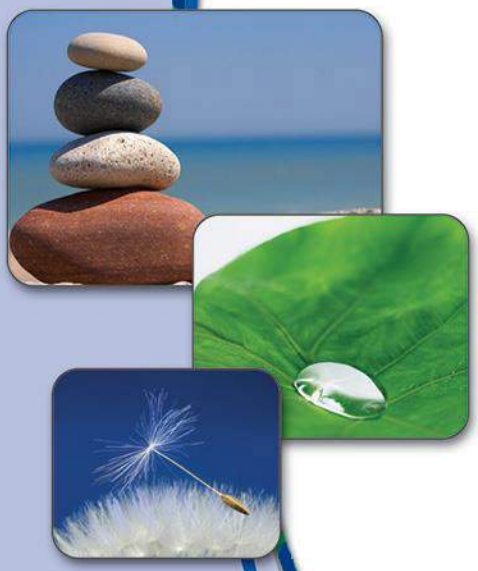
OSI TANK NUMBER:

OSI Environmental, Inc. 800-732-5667
912 Tesch Court EPA # WIR000147397 WDNR #14740
Waukesha, WI 53186

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 732-5667

SHIPPER COPY

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-217596-1
Client Project/Site: Richfield Tank Pull

For:
Cedar Corporation
1695 Bellevue Street
Green Bay, Wisconsin 54311

Attn: Quin Lenz

Authorized for release by:
6/20/2022 7:46:03 AM

Sandie Fredrick, Project Manager II
(920)261-1660
Sandra.Fredrick@et.eurofinsus.com

Table of Contents

Case Narrative

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Job ID: 500-217596-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-217596-1

Comments
No additional comments.

Receipt
The samples were received on 6/4/2022 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method 8260B: The following sample was diluted due to the abundance of non-target analytes: S-1 (500-217596-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-1 — Lab Sample ID: 500-217596-1

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	670		29	21	ug/Kg	100	☼	8260B	Total/NA
1,2,4-Trimethylbenzene	5700		110	41	ug/Kg	100	☼	8260B	Total/NA
1,3,5-Trimethylbenzene	2500		110	44	ug/Kg	100	☼	8260B	Total/NA
Xylenes, Total	3300		57	25	ug/Kg	100	☼	8260B	Total/NA

Client Sample ID: S-2 — Lab Sample ID: 500-217596-2

No Detections.

Client Sample ID: S-3 — Lab Sample ID: 500-217596-3

No Detections.

Client Sample ID: S-4 — Lab Sample ID: 500-217596-4

No Detections.

Client Sample ID: S-5 — Lab Sample ID: 500-217596-5

No Detections.

Client Sample ID: S-6 — Lab Sample ID: 500-217596-6

No Detections.

Client Sample ID: S-7 — Lab Sample ID: 500-217596-7

No Detections.

Client Sample ID: S-8 — Lab Sample ID: 500-217596-8

No Detections.

Client Sample ID: S-9 — Lab Sample ID: 500-217596-9

No Detections.

Client Sample ID: S-10 — Lab Sample ID: 500-217596-10

No Detections.

Client Sample ID: S-11 — Lab Sample ID: 500-217596-11

No Detections.

Client Sample ID: S-12 — Lab Sample ID: 500-217596-12

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1100		15	11	ug/Kg	50	☼	8260B	Total/NA
Toluene	12	J B	15	8.7	ug/Kg	50	☼	8260B	Total/NA
1,2,4-Trimethylbenzene	9400		59	21	ug/Kg	50	☼	8260B	Total/NA
1,3,5-Trimethylbenzene	3100		59	23	ug/Kg	50	☼	8260B	Total/NA
Xylenes, Total	3100		30	13	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-217596-13

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	32	J	50	18	ug/Kg	50		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-217596-1	S-1	Solid	06/03/22 12:40	06/04/22 09:15
500-217596-2	S-2	Solid	06/03/22 12:45	06/04/22 09:15
500-217596-3	S-3	Solid	06/03/22 12:50	06/04/22 09:15
500-217596-4	S-4	Solid	06/03/22 12:55	06/04/22 09:15
500-217596-5	S-5	Solid	06/03/22 13:00	06/04/22 09:15
500-217596-6	S-6	Solid	06/03/22 13:03	06/04/22 09:15
500-217596-7	S-7	Solid	06/03/22 13:06	06/04/22 09:15
500-217596-8	S-8	Solid	06/03/22 13:10	06/04/22 09:15
500-217596-9	S-9	Solid	06/03/22 13:15	06/04/22 09:15
500-217596-10	S-10	Solid	06/03/22 13:20	06/04/22 09:15
500-217596-11	S-11	Solid	06/03/22 13:25	06/04/22 09:15
500-217596-12	S-12	Solid	06/03/22 13:30	06/04/22 09:15
500-217596-13	Trip Blank	Solid	06/03/22 10:00	06/04/22 09:15

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-1
Date Collected: 06/03/22 12:40
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-1
Matrix: Solid
Percent Solids: 92.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<17		29	17	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
Ethylbenzene	**670**		29	21	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
Methyl tert-butyl ether	<45		110	45	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
Naphthalene	<38		110	38	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
Toluene	<17		29	17	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
1,2,4-Trimethylbenzene	**5700**		110	41	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
1,3,5-Trimethylbenzene	**2500**		110	44	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100
Xylenes, Total	**3300**		57	25	ug/Kg	☼	06/03/22 12:40	06/16/22 12:08	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*06/03/22 12:40*	*06/16/22 12:08*	*100*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*06/03/22 12:40*	*06/16/22 12:08*	*100*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*06/03/22 12:40*	*06/16/22 12:08*	*100*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 12:40*	*06/16/22 12:08*	*100*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-2

Date Collected: 06/03/22 12:45
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-2

Matrix: Solid
Percent Solids: 92.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.5		15	8.5	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
Methyl tert-butyl ether	<23		58	23	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
Naphthalene	<19		58	19	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
Toluene	<8.5		15	8.5	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
1,2,4-Trimethylbenzene	<21		58	21	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
1,3,5-Trimethylbenzene	<22		58	22	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 12:45	06/16/22 12:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*	*06/03/22 12:45*	*06/16/22 12:33*	*50*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*06/03/22 12:45*	*06/16/22 12:33*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*06/03/22 12:45*	*06/16/22 12:33*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*06/03/22 12:45*	*06/16/22 12:33*	*50*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-3

Date Collected: 06/03/22 12:50
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-3

Matrix: Solid
Percent Solids: 91.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
Naphthalene	<20		59	20	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
Toluene	<8.6		15	8.6	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
1,2,4-Trimethylbenzene	<21		59	21	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
1,3,5-Trimethylbenzene	<22		59	22	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 12:50	06/16/22 12:59	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*	*06/03/22 12:50*	*06/16/22 12:59*	*50*
Dibromofluoromethane (Surr)	*87*		*75 - 120*	*06/03/22 12:50*	*06/16/22 12:59*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*06/03/22 12:50*	*06/16/22 12:59*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*06/03/22 12:50*	*06/16/22 12:59*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-4
Date Collected: 06/03/22 12:55
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-4
Matrix: Solid
Percent Solids: 91.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
Naphthalene	<20		59	20	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
Toluene	<8.6		15	8.6	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
1,2,4-Trimethylbenzene	<21		59	21	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
1,3,5-Trimethylbenzene	<22		59	22	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 12:55	06/16/22 13:25	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*	*06/03/22 12:55*	*06/16/22 13:25*	*50*
Dibromofluoromethane (Surr)	*86*		*75 - 120*	*06/03/22 12:55*	*06/16/22 13:25*	*50*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*06/03/22 12:55*	*06/16/22 13:25*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 12:55*	*06/16/22 13:25*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-5
Date Collected: 06/03/22 13:00
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-5
Matrix: Solid
Percent Solids: 91.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
Naphthalene	<20		59	20	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
Toluene	<8.7		15	8.7	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
1,2,4-Trimethylbenzene	<21		59	21	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
1,3,5-Trimethylbenzene	<22		59	22	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50
Xylenes, Total	<13		30	13	ug/Kg	☼	06/03/22 13:00	06/16/22 13:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*06/03/22 13:00*	*06/16/22 13:51*	*50*
Dibromofluoromethane (Surr)	*87*		*75 - 120*	*06/03/22 13:00*	*06/16/22 13:51*	*50*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*06/03/22 13:00*	*06/16/22 13:51*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 13:00*	*06/16/22 13:51*	*50*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-6

Date Collected: 06/03/22 13:03
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-6

Matrix: Solid
Percent Solids: 92.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.4		14	8.4	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
Ethylbenzene	<11		14	11	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
Methyl tert-butyl ether	<23		58	23	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
Naphthalene	<19		58	19	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
Toluene	<8.5		14	8.5	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
1,2,4-Trimethylbenzene	<21		58	21	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
1,3,5-Trimethylbenzene	<22		58	22	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 13:03	06/16/22 14:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*	*06/03/22 13:03*	*06/16/22 14:17*	*50*
Dibromofluoromethane (Surr)	*85*		*75 - 120*	*06/03/22 13:03*	*06/16/22 14:17*	*50*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*	*06/03/22 13:03*	*06/16/22 14:17*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*06/03/22 13:03*	*06/16/22 14:17*	*50*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-7

Date Collected: 06/03/22 13:06
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-7

Matrix: Solid
Percent Solids: 91.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
Naphthalene	<20		59	20	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
Toluene	<8.6		15	8.6	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
1,2,4-Trimethylbenzene	<21		59	21	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
1,3,5-Trimethylbenzene	<22		59	22	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 13:06	06/16/22 14:42	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*06/03/22 13:06*	*06/16/22 14:42*	*50*
Dibromofluoromethane (Surr)	*87*		*75 - 120*	*06/03/22 13:06*	*06/16/22 14:42*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*06/03/22 13:06*	*06/16/22 14:42*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*06/03/22 13:06*	*06/16/22 14:42*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-8
Date Collected: 06/03/22 13:10
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-8
Matrix: Solid
Percent Solids: 92.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.5		14	8.5	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
Ethylbenzene	<11		14	11	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
Methyl tert-butyl ether	<23		58	23	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
Naphthalene	<19		58	19	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
Toluene	<8.5		14	8.5	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
1,2,4-Trimethylbenzene	<21		58	21	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
1,3,5-Trimethylbenzene	<22		58	22	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50
Xylenes, Total	<13		29	13	ug/Kg	☼	06/03/22 13:10	06/16/22 15:08	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*	*06/03/22 13:10*	*06/16/22 15:08*	*50*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*06/03/22 13:10*	*06/16/22 15:08*	*50*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*	*06/03/22 13:10*	*06/16/22 15:08*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*06/03/22 13:10*	*06/16/22 15:08*	*50*

Client Sample Results

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-9

Date Collected: 06/03/22 13:15
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-9

Matrix: Solid
Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.9		15	8.9	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
Methyl tert-butyl ether	<24		61	24	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
Naphthalene	<20		61	20	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
Toluene	<8.9		15	8.9	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
1,2,4-Trimethylbenzene	<22		61	22	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
1,3,5-Trimethylbenzene	<23		61	23	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50
Xylenes, Total	<13		30	13	ug/Kg	☼	06/03/22 13:15	06/16/22 15:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*06/03/22 13:15*	*06/16/22 15:33*	*50*
Dibromofluoromethane (Surr)	*86*		*75 - 120*	*06/03/22 13:15*	*06/16/22 15:33*	*50*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*	*06/03/22 13:15*	*06/16/22 15:33*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 13:15*	*06/16/22 15:33*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-10
Date Collected: 06/03/22 13:20
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-10
Matrix: Solid
Percent Solids: 91.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.7		15	8.7	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
Methyl tert-butyl ether	<24		60	24	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
Naphthalene	<20		60	20	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
Toluene	<8.8		15	8.8	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
1,2,4-Trimethylbenzene	<21		60	21	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
1,3,5-Trimethylbenzene	<23		60	23	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50
Xylenes, Total	<13		30	13	ug/Kg	☼	06/03/22 13:20	06/16/22 15:58	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*	*06/03/22 13:20*	*06/16/22 15:58*	*50*
Dibromofluoromethane (Surr)	*84*		*75 - 120*	*06/03/22 13:20*	*06/16/22 15:58*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*06/03/22 13:20*	*06/16/22 15:58*	*50*
Toluene-d8 (Surr)	*99*		*75 - 120*	*06/03/22 13:20*	*06/16/22 15:58*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-11
Date Collected: 06/03/22 13:25
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-11
Matrix: Solid
Percent Solids: 90.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.8		15	8.8	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
Methyl tert-butyl ether	<24		60	24	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
Naphthalene	<20		60	20	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
Toluene	<8.9		15	8.9	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
1,2,4-Trimethylbenzene	<22		60	22	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
1,3,5-Trimethylbenzene	<23		60	23	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50
Xylenes, Total	<13		30	13	ug/Kg	☼	06/03/22 13:25	06/16/22 16:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*	*06/03/22 13:25*	*06/16/22 16:23*	*50*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*06/03/22 13:25*	*06/16/22 16:23*	*50*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*	*06/03/22 13:25*	*06/16/22 16:23*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 13:25*	*06/16/22 16:23*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-12
Date Collected: 06/03/22 13:30
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-12
Matrix: Solid
Percent Solids: 91.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
Ethylbenzene	**1100**		15	11	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
Naphthalene	<20		59	20	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
Toluene	**12**	**J B**	15	8.7	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
1,2,4-Trimethylbenzene	**9400**		59	21	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
1,3,5-Trimethylbenzene	**3100**		59	23	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50
Xylenes, Total	**3100**		30	13	ug/Kg	☼	06/03/22 13:30	06/16/22 16:50	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*	*06/03/22 13:30*	*06/16/22 16:50*	*50*
Dibromofluoromethane (Surr)	*88*		*75 - 120*	*06/03/22 13:30*	*06/16/22 16:50*	*50*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*	*06/03/22 13:30*	*06/16/22 16:50*	*50*
Toluene-d8 (Surr)	*99*		*75 - 120*	*06/03/22 13:30*	*06/16/22 16:50*	*50*

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: Trip Blank

Date Collected: 06/03/22 10:00
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-13

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
Naphthalene	<17		50	17	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
Toluene	<7.4		13	7.4	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
1,2,4-Trimethylbenzene	**32**	**J**	50	18	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		06/03/22 10:00	06/16/22 17:17	50
Xylenes, Total	<11		25	11	ug/Kg		06/03/22 10:00	06/16/22 17:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*	*06/03/22 10:00*	*06/16/22 17:17*	*50*
Dibromofluoromethane (Surr)	*86*		*75 - 120*	*06/03/22 10:00*	*06/16/22 17:17*	*50*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*06/03/22 10:00*	*06/16/22 17:17*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*06/03/22 10:00*	*06/16/22 17:17*	*50*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

GC/MS VOA

Prep Batch: 661137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217596-1	S-1	Total/NA	Solid	5035	
500-217596-2	S-2	Total/NA	Solid	5035	
500-217596-3	S-3	Total/NA	Solid	5035	
500-217596-4	S-4	Total/NA	Solid	5035	
500-217596-5	S-5	Total/NA	Solid	5035	
500-217596-6	S-6	Total/NA	Solid	5035	
500-217596-7	S-7	Total/NA	Solid	5035	
500-217596-8	S-8	Total/NA	Solid	5035	
500-217596-9	S-9	Total/NA	Solid	5035	
500-217596-10	S-10	Total/NA	Solid	5035	
500-217596-11	S-11	Total/NA	Solid	5035	
500-217596-12	S-12	Total/NA	Solid	5035	
500-217596-13	Trip Blank	Total/NA	Solid	5035	
LB3 500-661137/21-A	Method Blank	Total/NA	Solid	5035	
LCS 500-661137/22-A	Lab Control Sample	Total/NA	Solid	5035	
500-217596-2 MS	S-2	Total/NA	Solid	5035	
500-217596-2 MSD	S-2	Total/NA	Solid	5035	

Analysis Batch: 661273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-661137/21-A	Method Blank	Total/NA	Solid	8260B	661137
MB 500-661273/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-661137/22-A	Lab Control Sample	Total/NA	Solid	8260B	661137
LCS 500-661273/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 661438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217596-1	S-1	Total/NA	Solid	8260B	661137
500-217596-2	S-2	Total/NA	Solid	8260B	661137
500-217596-3	S-3	Total/NA	Solid	8260B	661137
500-217596-4	S-4	Total/NA	Solid	8260B	661137
500-217596-5	S-5	Total/NA	Solid	8260B	661137
500-217596-6	S-6	Total/NA	Solid	8260B	661137
500-217596-7	S-7	Total/NA	Solid	8260B	661137
500-217596-8	S-8	Total/NA	Solid	8260B	661137
500-217596-9	S-9	Total/NA	Solid	8260B	661137
500-217596-10	S-10	Total/NA	Solid	8260B	661137
500-217596-11	S-11	Total/NA	Solid	8260B	661137
500-217596-12	S-12	Total/NA	Solid	8260B	661137
500-217596-13	Trip Blank	Total/NA	Solid	8260B	661137
MB 500-661438/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-661438/4	Lab Control Sample	Total/NA	Solid	8260B	
500-217596-2 MS	S-2	Total/NA	Solid	8260B	661137
500-217596-2 MSD	S-2	Total/NA	Solid	8260B	661137

General Chemistry

Analysis Batch: 659958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217596-1	S-1	Total/NA	Solid	Moisture	
500-217596-2	S-2	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 659958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217596-3	S-3	Total/NA	Solid	Moisture	
500-217596-4	S-4	Total/NA	Solid	Moisture	
500-217596-5	S-5	Total/NA	Solid	Moisture	
500-217596-6	S-6	Total/NA	Solid	Moisture	
500-217596-7	S-7	Total/NA	Solid	Moisture	
500-217596-8	S-8	Total/NA	Solid	Moisture	
500-217596-9	S-9	Total/NA	Solid	Moisture	
500-217596-10	S-10	Total/NA	Solid	Moisture	
500-217596-11	S-11	Total/NA	Solid	Moisture	
500-217596-12	S-12	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-217596-1	S-1	95	89	85	96
500-217596-2	S-2	96	89	84	95
500-217596-2 MS	S-2	96	90	83	99
500-217596-2 MSD	S-2	96	88	82	99
500-217596-3	S-3	96	87	84	98
500-217596-4	S-4	96	86	85	96
500-217596-5	S-5	98	87	85	96
500-217596-6	S-6	97	85	83	97
500-217596-7	S-7	98	87	84	97
500-217596-8	S-8	96	89	86	98
500-217596-9	S-9	98	86	83	96
500-217596-10	S-10	97	84	84	99
500-217596-11	S-11	100	89	87	96
500-217596-12	S-12	101	88	86	99
500-217596-13	Trip Blank	97	86	85	96
LB3 500-661137/21-A	Method Blank	108	102	107	97
LCS 500-661137/22-A	Lab Control Sample	103	108	110	98
LCS 500-661273/4	Lab Control Sample	109	105	110	111
LCS 500-661438/4	Lab Control Sample	90	91	81	98
MB 500-661273/6	Method Blank	112	106	107	98
MB 500-661438/6	Method Blank	97	86	84	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-661137/21-A
Matrix: Solid
Analysis Batch: 661273

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661137

Analyte	LB3 Result	LB3 Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
Naphthalene	<17		50	17	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
Toluene	9.92	J	13	7.4	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		06/14/22 11:30	06/15/22 15:59	50
Xylenes, Total	<11		25	11	ug/Kg		06/14/22 11:30	06/15/22 15:59	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*	*06/14/22 11:30*	*06/15/22 15:59*	*50*
Dibromofluoromethane (Surr)	*102*		*75 - 120*	*06/14/22 11:30*	*06/15/22 15:59*	*50*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*	*06/14/22 11:30*	*06/15/22 15:59*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*06/14/22 11:30*	*06/15/22 15:59*	*50*

Lab Sample ID: LCS 500-661137/22-A
Matrix: Solid
Analysis Batch: 661273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2500	2570		ug/Kg		103	70 - 120
Ethylbenzene	2500	2540		ug/Kg		101	70 - 123
Methyl tert-butyl ether	2500	2870		ug/Kg		115	55 - 123
Naphthalene	2500	3400		ug/Kg		136	53 - 144
Toluene	2500	2440		ug/Kg		98	70 - 125
1,2,4-Trimethylbenzene	2500	2590		ug/Kg		103	70 - 123
1,3,5-Trimethylbenzene	2500	2650		ug/Kg		106	70 - 123
Xylenes, Total	5000	5000		ug/Kg		100	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane (Surr)	*108*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: 500-217596-2 MS
Matrix: Solid
Analysis Batch: 661438

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 661137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<8.5		2900	2680		ug/Kg	☼	92	70 - 120
Ethylbenzene	<11		2900	2940		ug/Kg	☼	101	70 - 123
Methyl tert-butyl ether	<23		2900	2310		ug/Kg	☼	80	55 - 123
Naphthalene	<19		2900	2370		ug/Kg	☼	82	53 - 144
Toluene	<8.5		2900	2790		ug/Kg	☼	96	70 - 125
1,2,4-Trimethylbenzene	<21		2900	2930		ug/Kg	☼	101	70 - 123
1,3,5-Trimethylbenzene	<22		2900	3060		ug/Kg	☼	105	70 - 123
Xylenes, Total	<13		5800	5690		ug/Kg	☼	98	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		72 - 124
Dibromofluoromethane (Surr)	90		75 - 120
1,2-Dichloroethane-d4 (Surr)	83		75 - 126
Toluene-d8 (Surr)	99		75 - 120

Lab Sample ID: 500-217596-2 MSD — **Client Sample ID: S-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 661438 — **Prep Batch: 661137**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<8.5		2900	2450		ug/Kg	☼	85	70 - 120	9	30
Ethylbenzene	<11		2900	2720		ug/Kg	☼	94	70 - 123	8	30
Methyl tert-butyl ether	<23		2900	2120		ug/Kg	☼	73	55 - 123	9	30
Naphthalene	<19		2900	2630		ug/Kg	☼	91	53 - 144	10	30
Toluene	<8.5		2900	2640		ug/Kg	☼	91	70 - 125	6	30
1,2,4-Trimethylbenzene	<21		2900	2720		ug/Kg	☼	94	70 - 123	7	30
1,3,5-Trimethylbenzene	<22		2900	2830		ug/Kg	☼	98	70 - 123	8	30
Xylenes, Total	<13		5800	5250		ug/Kg	☼	90	70 - 125	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		72 - 124
Dibromofluoromethane (Surr)	88		75 - 120
1,2-Dichloroethane-d4 (Surr)	82		75 - 126
Toluene-d8 (Surr)	99		75 - 120

Lab Sample ID: MB 500-661273/6 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 661273

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			06/15/22 12:46	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			06/15/22 12:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			06/15/22 12:46	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			06/15/22 12:46	1
Toluene	<0.15		0.25	0.15	ug/Kg			06/15/22 12:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			06/15/22 12:46	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			06/15/22 12:46	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			06/15/22 12:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		06/15/22 12:46	1
Dibromofluoromethane (Surr)	106		75 - 120		06/15/22 12:46	1
1,2-Dichloroethane-d4 (Surr)	107		75 - 126		06/15/22 12:46	1
Toluene-d8 (Surr)	98		75 - 120		06/15/22 12:46	1

Lab Sample ID: LCS 500-661273/4 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 661273

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	46.9		ug/Kg		94	70 - 120		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-661273/4
Matrix: Solid
Analysis Batch: 661273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	50.0	49.6		ug/Kg		99	70 - 123
Methyl tert-butyl ether	50.0	45.4		ug/Kg		91	55 - 123
Naphthalene	50.0	61.1		ug/Kg		122	53 - 144
Toluene	50.0	49.4		ug/Kg		99	70 - 125
1,2,4-Trimethylbenzene	50.0	52.0		ug/Kg		104	70 - 123
1,3,5-Trimethylbenzene	50.0	54.1		ug/Kg		108	70 - 123
Xylenes, Total	100	97.3		ug/Kg		97	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*
Dibromofluoromethane (Surr)	*105*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*
Toluene-d8 (Surr)	*111*		*75 - 120*

Lab Sample ID: MB 500-661438/6
Matrix: Solid
Analysis Batch: 661438

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			06/16/22 11:41	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			06/16/22 11:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			06/16/22 11:41	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			06/16/22 11:41	1
Toluene	<0.15		0.25	0.15	ug/Kg			06/16/22 11:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			06/16/22 11:41	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			06/16/22 11:41	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			06/16/22 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*06/16/22 11:41*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 120*		*06/16/22 11:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*		*06/16/22 11:41*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*06/16/22 11:41*	*1*

Lab Sample ID: LCS 500-661438/4
Matrix: Solid
Analysis Batch: 661438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	54.3		ug/Kg		109	70 - 120
Ethylbenzene	50.0	60.0		ug/Kg		120	70 - 123
Methyl tert-butyl ether	50.0	46.0		ug/Kg		92	55 - 123
Naphthalene	50.0	48.3		ug/Kg		97	53 - 144
Toluene	50.0	56.1		ug/Kg		112	70 - 125
1,2,4-Trimethylbenzene	50.0	59.1		ug/Kg		118	70 - 123
1,3,5-Trimethylbenzene	50.0	61.4		ug/Kg		123	70 - 123
Xylenes, Total	100	117		ug/Kg		117	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-661438/4
Matrix: Solid
Analysis Batch: 661438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	91		75 - 120
1,2-Dichloroethane-d4 (Surr)	81		75 - 126
Toluene-d8 (Surr)	98		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-1
Lab Sample ID: 500-217596-1
Date Collected: 06/03/22 12:40
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-1
Lab Sample ID: 500-217596-1
Date Collected: 06/03/22 12:40
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 12:40	WRE	TAL CHI
Total/NA	Analysis	8260B		100	661438	06/16/22 12:08	W1T	TAL CHI

Client Sample ID: S-2
Lab Sample ID: 500-217596-2
Date Collected: 06/03/22 12:45
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-2
Lab Sample ID: 500-217596-2
Date Collected: 06/03/22 12:45
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 12:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 12:33	W1T	TAL CHI

Client Sample ID: S-3
Lab Sample ID: 500-217596-3
Date Collected: 06/03/22 12:50
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-3
Lab Sample ID: 500-217596-3
Date Collected: 06/03/22 12:50
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 12:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 12:59	W1T	TAL CHI

Client Sample ID: S-4
Lab Sample ID: 500-217596-4
Date Collected: 06/03/22 12:55
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Lab Chronicle

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-4
Lab Sample ID: 500-217596-4
Date Collected: 06/03/22 12:55
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 12:55	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 13:25	W1T	TAL CHI

Client Sample ID: S-5
Lab Sample ID: 500-217596-5
Date Collected: 06/03/22 13:00
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-5
Lab Sample ID: 500-217596-5
Date Collected: 06/03/22 13:00
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 13:51	W1T	TAL CHI

Client Sample ID: S-6
Lab Sample ID: 500-217596-6
Date Collected: 06/03/22 13:03
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-6
Lab Sample ID: 500-217596-6
Date Collected: 06/03/22 13:03
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:03	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 14:17	W1T	TAL CHI

Client Sample ID: S-7
Lab Sample ID: 500-217596-7
Date Collected: 06/03/22 13:06
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Lab Chronicle

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-7
Lab Sample ID: 500-217596-7
Date Collected: 06/03/22 13:06
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:06	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 14:42	W1T	TAL CHI

Client Sample ID: S-8
Lab Sample ID: 500-217596-8
Date Collected: 06/03/22 13:10
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-8
Lab Sample ID: 500-217596-8
Date Collected: 06/03/22 13:10
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 15:08	W1T	TAL CHI

Client Sample ID: S-9
Lab Sample ID: 500-217596-9
Date Collected: 06/03/22 13:15
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-9
Lab Sample ID: 500-217596-9
Date Collected: 06/03/22 13:15
Matrix: Solid
Date Received: 06/04/22 09:15
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 15:33	W1T	TAL CHI

Client Sample ID: S-10
Lab Sample ID: 500-217596-10
Date Collected: 06/03/22 13:20
Matrix: Solid
Date Received: 06/04/22 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Lab Chronicle

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Client Sample ID: S-10
Date Collected: 06/03/22 13:20
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-10
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 15:58	W1T	TAL CHI

Client Sample ID: S-11
Date Collected: 06/03/22 13:25
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-11
Date Collected: 06/03/22 13:25
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-11
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 16:23	W1T	TAL CHI

Client Sample ID: S-12
Date Collected: 06/03/22 13:30
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659958	06/06/22 12:08	LWN	TAL CHI

Client Sample ID: S-12
Date Collected: 06/03/22 13:30
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-12
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 13:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 16:50	W1T	TAL CHI

Client Sample ID: Trip Blank
Date Collected: 06/03/22 10:00
Date Received: 06/04/22 09:15

Lab Sample ID: 500-217596-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			661137	06/03/22 10:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	661438	06/16/22 17:17	W1T	TAL CHI

Laboratory References:
TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Richfield Tank Pull

Job ID: 500-217596-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-22

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Quin Lenz	Lab PM: Fredrick Sandie	Carrier Tracking No(s): 577605978336	COC No: 500-101813-44117 2
Client Contact: Quin Lenz	Phone: (920)309-4197	E-Mail: Sandra Fredrick@et.eurofinsus.com	State of Origin: WI	Page: Page 1 of 2
Company: Cedar Corporation	PWS D:			Job #: 500-217596
Address: 1695 Bellevue Street	Due Date Requested: Standard			
City: Green Bay	TAT Requested (days): Standard			
State Zip: WI 54311	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: quin lenz@cedarcorp com	WO #:			
Project Name: RICHFIELD TANK PULL	Project #: 50006556			
Site:	SSOW#:			

Analysis Requested

500-217596 COC

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - PVOC+NAP	Total Number of containers	Special Instructions/Note
			Preservation Code:					N		
1	S-1	6/3/22	1240	G	Solid			X		
2	S-2		1245		Solid			X		
3	S-3		1250		Solid			X		
4	S-4		1255		Solid			X		
5	S-5		1300		Solid			X		
6	S-6		1303		Solid			X		
7	S-7		1306		Solid			X		
8	S-8		1310					X		
9	S-9		1315					X		
10	S-10		1320					X		
11	S-11		1325					X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Quin Lenz	6/3/22 1535	Cedar	Stephanie Hernandez	6/4/22 0915	EEIA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: ~~4.3~~ 4.1 4.6+3.6

Ver 06/08/2021

6/20/2022

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Quin Lenz	Lab PM: Fredrick Sandie	Carrier Tracking No(s): 577605978336	COC No: 500-101813-44117 1
Client Contact: Quin Lenz	Phone: 920 309-4197	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: WI	Page: Page ~~1 of 2~~ 2 of 2
Company: Cedar Corporation	PWSID:	Analysis Requested		Job #: 500-217596
Address: 1695 Bellevue Street	Due Date Requested: Standard			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other specify; Other:
City: Green Bay	TAT Requested (days): Standard			
State, Zip: WI 54311	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: quin.lenz@cedarcorp.com	WO #:			
Project Name: RICHFIELD TANK PULL	Project #: 50006556			
Site:	SSOW#:			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B PVOC+NAP	Total Number of containers	Special Instructions/Note
				Preservation Code:				N		
12	S-12	6/3/22	1330	G	Solid			X		
13	Trip Blank	1	10.00	G	~~Solid~~			X		
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					
					Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	6/3/22 1535	Cedar	Stephanie Humanchey	6/4/22 0915	EEHA
2						
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-217596-1

Login Number: 217596
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

OSI Environmental, Inc.

STRAIGHT BILL OF LADING

GMO- 4866

BILL TO
Advanced Tank Service #6497
Pick-up 4 drums diesel sludge
East Side of Bldg.
Phone number:

SHIP FROM
Millis Transfer
3001 Holy Hill Rd
Richfield, WI 53076
Phone number:

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on route to said destination. It is mutually agree, as to each carrier of all or any of said property over all or any portion of said route to destination, as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

Route: BEST WAY

Delivery Carrier: ☐ OSI Environmental, Inc. US DOT Hazmat Reg. Number: MNT 280011586

Alternate Carrier: ☐ US DOT Hazmat Reg. Number:

Number of Packages	HM	Description of articles	ERG
____	1	RQ, UN1203, Flammable Liquid, N.O.S. 3 PG II Gasoline for Recycle APPROXIMATE GALLONS:	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	
____	☐	Specialty Product for Recycle Mineral Oil PG III (NON PCB: _____ PPM) APPROXIMATE GALLONS:	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	
____	☐	Specialty Product for Recycle Mineral Oil PG III (NON PCB: _____ PPM) APPROXIMATE GALLONS:	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	
★4	☐	RQ, UN1202, Fuel Oil, Combustible Liquid PG III Surplus Fuel for Recycling APPROXIMATE GALLONS: 220 DIESEL SLUDGE	128
		Designated Facility OSI ENVIRONMENTAL, 912 TESCH CT., WAUKESHA, WI 53186	

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and is in proper condition for transportation according to the applicable regulations of The Department of Transportation.

Placards Required: None

Placards Supplied: NO - Furnished By Carrier

Shipper Signature: BOB Miller

Carrier Signature:

Date: 6-13-22

Received By: Chris Mueller Date 6-13-22

CUSTOMER PROJECT NUMBER:

UNIT #: 1005

OSI TANK NUMBER:

OSI Environmental, Inc. 800-732-5667
912 Tesch Court EPA # WIR000147397 WDNR #14740
Waukesha, WI 53186

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 732-5667

SHIPPER COPY