

Norfolk Southern Railway Company

# **East Palestine, OH Derailment Waste Management Plan**

**Milepost PC49 Railroad Tracks Northeast of North  
Pleasant Drive and Taggart Road Intersect**

**Columbiana County**

**East Palestine, Ohio**

**EPA ID: OHR000221457**

Revision 6

Revised April 18, 2023

We are in the process of ensuring this document is accessible to all audiences. If you need assistance accessing this document, or any materials on the EPA East Palestine, Ohio emergency response webpages, please contact the Region 5 Public Information Officer on-call.

# Contents

Acronyms and Abbreviations.....	iv
<b>1 Introduction.....</b>	<b>1</b>
<b>1.1 Purpose.....</b>	<b>1</b>
<b>1.2 Site History.....</b>	<b>2</b>
<b>1.3 Waste Management Activities Prior to UAO.....</b>	<b>4</b>
1.3.1 Immediate Response Exemption.....	4
1.3.2 Waste Generation and Storage.....	4
1.3.3 Sampling and Analyses.....	5
1.3.4 Waste Determinations and Disposal.....	6
<b>2 Regulatory.....</b>	<b>7</b>
<b>2.1 Hazardous Waste Regulations.....</b>	<b>8</b>
2.1.1 Determination of When Contamination is caused by a Listed Hazardous Waste.....	8
2.1.2 Determination of Whether a Waste Exhibits a Characteristic of Hazardous Waste.....	8
2.1.3 LDR for Waste Carrying a Listed and/or a Characteristic Code.....	8
2.1.4 Regulations applicable to waste impacted with PFAS/PFOA and Dioxins/Furans.....	9
<b>2.2 Non-Hazardous Waste Regulations.....</b>	<b>9</b>
<b>3 Onsite Management of Waste.....</b>	<b>10</b>
<b>3.1 Segregation of Potential Waste Streams.....</b>	<b>10</b>
<b>3.2 Onsite Management Methods for RCRA Hazardous Waste and Contaminated Media.....</b>	<b>11</b>
3.2.1 AOC Policy.....	12
3.2.2 Corrective Action Temporary Units.....	12
3.2.3 Management of Waste in AOC and TUs.....	15
3.2.4 Labeling.....	16
<b>3.3 Onsite Management of Non-RCRA Waste.....</b>	<b>16</b>
<b>4 Sampling and Analyses.....</b>	<b>16</b>
<b>5 Waste Determinations.....</b>	<b>18</b>
<b>5.1 Generator Knowledge.....</b>	<b>19</b>
<b>5.2 Are the Wastes Listed?.....</b>	<b>19</b>
<b>5.3 Are the Wastes Characteristic?.....</b>	<b>19</b>
<b>6 Disposal Options.....</b>	<b>20</b>
<b>7 Emergency Response.....</b>	<b>21</b>

7.1	Notification Procedures .....	21
7.2	Spill Response .....	22
8	Offsite Transportation and Disposal .....	22
8.1	UAO and CERCLA OSR Requirements .....	22
8.2	Air Monitoring .....	23
8.3	RCRA and USDOT Requirements for Off-Site Shipments of Hazardous Waste .....	23
8.3.1	Transportation Management .....	24
8.3.2	Transloading Waste from Truck to Rail.....	25
8.3.2.1	Liquid Transfer at NSRC Yard, Lordstown, OH .....	25
8.3.2.2	Solid Waste Transfers at NSRC Yard, Maple Heights, OH .....	27
8.3.3	Truck Routes .....	28
8.4	Manifested Load Tracking .....	28
9	Training.....	29
10	Recordkeeping.....	29
11	References .....	30

## Tables

- Table 1 Regulations Applicable to Waste Types and Storage Location  
Table 2 Regulatory Requirements for Temporary Units

## Figures

- Figure 1 Site Map

## Attachments

- Attachment 1 Safety Data Sheets  
Attachment 2 Examples of Completed Labels  
Attachment 3 OEPA Approved Sampling and Analyses Plans  
Attachment 4 Waste Generation Log and Applicable Regulations  
Attachment 5 Waste Transportation and Disposal Log  
Attachment 6 Carrol/Columbiana/Harrison Solid Waste Management District, 2018-2032 Solid Waste Management Plan, Appendix P - Designation

East Palestine, OH Derailment  
Waste Management Plan  
Revision 6

**Attachment 7      Secondary Containment Standard Operating Procedures**

**Attachment 8      Temporary Unit Inspection Form**

## **Appendix**

**Appendix A      East Palestine Incident Action Plan, OP6**

**Appendix B      Waste Profiles and Approvals**

**Appendix C      Transportation Management Plan**



## Acronyms and Abbreviations

AFFF	aqueous film forming foam
AOC	area of contamination
ARAR	applicable and relevant and appropriate requirement
Arcadis	Arcadis U.S., Inc.
CCH	Carroll/Columbiana/Harrison
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COC	constituent of concern
CY	cubic yards
HDPE	high-density polyethylene
LDR	Land Disposal Restriction
LQG	large quantity generator of hazardous waste
NCP	National Oil and Hazardous Substances Contingency Plan
NS	Norfolk Southern
OAC	Ohio Administrative Code
OEPA	Ohio Environmental Protection Agency
OSC	On-Scene Coordinator
OSHA	Occupational Safety and Health Administration
OSR	Off-Site Rule
PCBs	polychlorinated biphenyls
PFAS/PFOA	per- and polyfluoroalkyl substances
Plan	Waste Management Plan
PPE	personal protective equipment
RCRA	Resource Conservation and Recovery Act
SDS	Safety Data Sheets
SVOC	semivolatile organic compound
TCLP	toxicity characteristic leaching procedure (
TSCA	Toxic Substances Control Act
TU	temporary unit

East Palestine, OH Derailment  
Waste Management Plan  
Revision 6

UAO	Unilateral Administrative Order for Removal Actions
UHC	underlying hazardous constituent
UP	Union Pacific
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
UTS	universal treatment standards
VC	vinyl chloride
VOC	volatile organic compound

# 1 Introduction

## 1.1 Purpose

This Waste Management Plan (Plan) has been prepared by Arcadis U.S., Inc. (Arcadis) to define measures necessary to safely manage and characterize waste generated from the February 3, 2023, Norfolk Southern (NS) East Palestine, Ohio derailment. Waste characterization will be conducted in accordance with applicable Federal, State, and County waste regulations. This Plan provides procedures for onsite management, characterization, and offsite disposal of waste associated with the derailment. Waste profiles will be reviewed and approved by NS and disposal facilities prior to transportation and disposal of waste. Characterization of the waste streams generated by the derailment will be based on field screening data, laboratory analysis, Safety Data Sheets (SDS) of the product(s) released, generator knowledge, site inspections, and interviews with local responders. This is a working document that will be updated as needed as emergency response and remediation activities progress.

**In the event of an emergency involving hazardous wastes that could result in an immediate or potential threat to human health or the environment personnel identifying the emergency should**

- **Contact 911**
- **Secure the area and if possible, attempt to stop or contain the release**
- **Immediately notify NS Emergency Contacts**

### EMERGENCY COORDINATORS

Title	Name	Emergency Number
Primary Emergency Coordinator(s)	Bryan Naranjo - NS Unified Command Group Robert Wood - NS Operations	678-772-0998 404-989-2523
Secondary Coordinator(s)	Daniel Hunt - NS Remediation Manager Robert Scoble - NS Environmental Operations Chad Edwards – NS Liquid Waste Operations David Patten – NS Solid Waste Operations	404-273-4472 419-603-7172 540-797-9918 423-697-1547

### LOCAL EMERGENCY RESPONSE AGENCIES

<b>FIRE</b>	East Palestine Fire Dept. Keith Burch, Fire Chief	<b>911</b>
<b>POLICE</b>	East Palestine Police Dept	<b>911</b>
<b>HOSPITAL</b>	Mercy Health St. Elizabeth 8401 Market St. Youngstown, OH 44514	<b>911</b>

**Emergency Contact information will be posted in areas where hazardous waste is generated or accumulated.**

Contact information for all subcontractors and Federal and State contacts along with associated roles and responsibilities are summarized in the East Palestine Incident Action Plan, OP6 (Appendix A). The following list is an abbreviated version of key contacts for onsite waste management tasks.

Contact	Email	Phone	Role
Michelle Clayton, Arcadis	Michelle.clayton@arcadis.com	412-614-1624	Waste segregation, onsite storage & labelling, sampling, profiling, manifesting and tracking
Josh Lindley, SPSI	Lindley@callspsi.com	724-579-8700	Coordination and billing for transportation of Liquid wastes, equipment operator for solid waste loading
Chad Runnion, Green Rock	Crunnion@greenrockllc.com	615-454-0461	Coordination and billing for transportation of solid wastes
JT Wilson, CTEH Vandra, CTEH		501-366-7971	Air monitoring Tank Farm area Air monitoring solid waste area
Justin Hahn, HEPACO	jhahn@hepaco.com	704-492-8880	Traffic coordination for Tank Farm loading/offloading, moving drums to drum staging area, covering solid waste staging piles, dust control
Jimmy, US Ecology (SPSI subcontractor)		940-365-6429	Loading for offsite liquids
Rob Cronin, Cronin		412-302-9024	Loading for offsite
Nesto, Clean Harbors		412-514-9286	Pump out secondary containment
Frank Zingales, OEPA	Frank.Zingales@epa.ohio.gov	330-963-1108	Regulatory oversight for OEPA Division of Environmental Response and Revitalization
Adam Vrabec, USEPA R5		312-448-3853	Regulatory oversight for wastewater transfer and loadout
Jackie Cole, USEPA R5		312-597-4421	Regulatory oversight for solid waste loadout
USCG		443-718-1327	Regulatory oversight of liquid loading

Any deviations from this Plan must be approved by NS and the United States Environmental Protection Agency (USEPA). For questions on waste management requirements, contact the Arcadis project manager (Jason Artrip) or the Arcadis waste coordinator (Michelle Clayton).

## 1.2 Site History

On February 3, 2023, a NS train derailment and subsequent fire occurred in East Palestine, Ohio. The derailment involved 51 rail cars and resulted in a fire and breaches to tank cars that contained hazardous materials and non-

hazardous materials. The releases affected stormwater infrastructure and surface water, including Sulfur Run and Leslie Run. The exact volumes released are not yet available.

On February 21, 2023 Norfolk Southern and the USEPA entered into a Unilateral Administrative Order for Removal Actions (UAO) (Comprehensive Environmental Response, Compensation, and Liability Act [CERCLA] Docket No. V-W-23-C-004; USEPA 2023). A List of the Contents of the Rail Cars Which Derailed is provided in Appendix A of the USEPA Unilateral Administrative Order for Removal Actions. Site specific constituents of concern (COCs) are also identified in the Main Line 1 Track Excavation Plan. Based on visual inspections and generator knowledge of the railcar inventory, the following liquid commodities were released as a result of the derailment and have been used to identify COCs targeted for waste disposal. SDS for the chemicals released are included as Attachment 1:

- Vinyl Chloride, stabilized (VC)
- Propylene glycol\*
- Polypropyl glycol\*
- Diethylene glycol\*
- Dipropylene glycol\*
- 2-Ethyl hexyl acrylate\*
- Butyl acrylates, stabilized\*
- 2-butoxyethanol (ethylene glycol mono butyl ether) \*
- Petroleum lube oil\*
- Beer Cars (ethyl alcohol) \*
- Polyvinyl (plastic beads) \*
- Semolina Flour\*

\*These COCs are not identified listed chemical sources and do not have universal treatment standards (UTS). COCs exhibiting a hazardous waste characteristic are exclusive to ignitability (D001). Analysis of these COCs is limited to ignitability for recovered liquids. Analysis of these COCs is not required by the disposal facilities for solid wastes and will not be used for decision making for waste determinations of the solid waste.

During response activities, approximately 40 gallons of T-storm aqueous film forming foam (AFFF) concentrate was utilized by the local fire department to control the fire prior to NS arrival at the scene. The local fire department was not able to confirm the location where the AFFF was utilized. A SDS for the AFFF is included in Attachment 1. The composition of the AFFF is listed in Section 3 of the SDS. Based on the SDS and knowledge of the product, this brand of AFFF contains per- and polyfluoroalkyl substances known as PFAS and PFOA.

On February 6, 2023, five VC car(s) were deemed unstable and at risk of explosion as a result of the fire and intense heat. It was determined that a controlled vent and burn was necessary to protect human health and establish a safe working environment for the remedial activities. The use of a controlled vent and burn minimized the potential for bulk releases to the surface, however minor surface releases of VC may have occurred during the controlled vent and burn. The location where the controlled vent and burn occurred is documented in Figure 1. The generation of dioxins was identified as a potential COC resulting from the initial and secondary vent and burn that resulted from the derailment.

## 1.3 Waste Management Activities Prior to UAO

Prior to the effective date of the UAO, all waste management were performed under the direction of Ohio Environmental Protection Agency (OEPA) and the USEPA. General waste management activities such as containerization and storage requirements were described in the Draft Site Waste Management Plan (February 12, 2023). Remedial activities generating waste included excavation of soil from between the tracks and continuous collection of impacted surface water. Sampling and analyses requirements for waste characterization were discussed with OEPA and subsequently presented as a memo for approval (see Attachment 3). All waste sampling and analyses plans were presented to OEPA and approved prior to execution.

### 1.3.1 Immediate Response Exemption

Resource Conservation and Recovery Act (RCRA) regulations in 40 Code of Federal Regulations (CFR) Parts 264 and 265 Subparts C and D require immediate actions to minimize hazards to human health and the environment from any unplanned, sudden or non-sudden releases of hazardous waste or hazardous constituents. Action taken under emergency response situations are covered under the USEPA immediate response exemption [RO12748]. The immediate response exemption excuses facilities from permitting (270.1(c)(3)) and RCRA substantive management standards (264.1(g)(8) and 265.1 (c)(11)). The exemption also excludes transportation of wastes during emergency response actions, generators, and transporters are excluded from obtaining USEPA IDs and manifests. RCRA requirements not covered by the immediate response exemption include Subpart M - Preparedness and Prevention and Contingency Plan and Emergency Procedures. Waste management actions conducted prior to the UAO were performed under an immediate response exemption, this exemption ended on February 21, 2023, NS and USEPA entered into the UAO (CERCLA Docket No. V-W-23-C-004; USEPA 2023).

### 1.3.2 Waste Generation and Storage

Prior to the effective date of the UAO, the following waste streams were generated and staged onsite as described below.

- **Soil impacted with VC and butyl acrylate placed in roll-off containers and in staging piles.** The staging piles were located within the area of contamination (AOC). Piles were placed on welded high-density polyethylene (HDPE) secondary containment pads and covered in poly sheeting when not in use. The boxes were not on secondary containment, but routine visual inspections were performed. Any observed issues were immediately addressed.
- **Recovered liquids to include surface water, fire water, and decontamination water impacted with VC and recovered product (acrylates, glycols, lube oil).** All liquids were collected via vacuum trucks and consolidated into temporary storage tanks for storage pending offsite disposal. Temporary storage tanks were placed in individual secondary containment pads. Four primary tank staging areas were constructed based on proximity to locations where large volumes of surface water were being collected. Figure 1 shows the locations of the now former tank staging areas.
- **Impacted debris (Absorbent booms & pads, personal protective equipment [PPE]) was staged in roll-off boxes.** The boxes were not on secondary containment, but routine visual inspections were performed.
- **Street sweepings.** Material was placed in roll-off and staged in the asphalt parking lot of Leake Oil.

- **Non-hazardous waste (unimpacted commodities).** Material was placed in roll-off and or directly loaded into dump trucks and vacuum trucks for transport to the approved disposal or recycling facility as described later in this section.
- **Municipal trash.** Material was placed into roll-off containers and transported offsite for disposal.

### 1.3.3 Sampling and Analyses

A summary of the waste sampling and analyses performed under OEPA direction is provided below.

#### Sampling of Solid Waste

- Staging Pile 1A, generated from an 0 to 18 inch excavation between the tracks in the VC release area:
  - Collected 10 grab samples, submitted for analyses of total volatile organic compounds (VOCs), total semivolatile organic compounds (SVOCs), toxicity characteristic leaching procedure (TCLP) metals.
  - Lab generated two composite samples from the 10 grab samples; composite samples were analyzed for TCLP VOC, TCLP SVOC, TCLP Pesticides, TCLP Herbicides, PFAS/PFOA and Total PCBs. One of the composite samples was subsequently selected for dioxin/furan analyses.
- Staging Pile 1B, generated from an 18 to 48 inch excavation between the tracks in the Vinyl chloride release area:
  - Collected 10 grab samples, submitted for analyses of total VOC, total SVOC, TCLP metals.
  - Lab generated 2 composite samples from the 10 grab samples; composite samples were analyzed for TCLP VOC, TCLP SVOC, TCLP Pesticides, TCLP Herbicides, PFAS/PFOA and Total PCBs. One of the composite samples was subsequently selected for dioxin/furan analyses.
- Staging Pile 2, generated from an 0 to 48 inch excavation between the tracks in the butyl acrylate release area:
  - Collected 14 grab samples, submitted for analyses of total VOC, total SVOC, TCLP metals.
  - Lab generated 2 composite samples from the 14 grab samples; composite samples were analyzed for TCLP VOC, TCLP SVOC, TCLP Pesticides, TCLP Herbicides, PFAS/PFOA and Total PCBs. One of the composite samples was subsequently selected for dioxin/furan analyses.
- Staging Pile North, generated from excavation of the north ditch within the Vinyl chloride release area
  - Collected 10 grab samples, submitted for analyses of total VOC, total SVOC, TCLP metals
  - Lab generated two composite samples from the 10 grab samples; composite samples were analyzed for TCLP VOC, TCLP SVOC, TCLP Pesticides, TCLP Herbicides, PFAS/PFOA and Total PCBs. One of the composite samples was subsequently selected for dioxin/furan analyses.
- Roll-off boxes generated from surface scrap of North Ditch in areas west of the vinyl chloride release area:
  - Collected 10 grab samples, submitted for analyses of total VOC, total SVOC, TCLP metals.
  - Lab generated 2 composite samples from the 10 grab samples; composite samples were analyzed for TCLP VOC, TCLP SVOC, TCLP Pesticides, TCLP Herbicides, PFAS/PFOA and Total PCBs. One of the composite samples was subsequently selected for dioxin/furan analyses.
- Roll-off and Vacuum boxes containing plastic pellets and soil:
  - Collected five grab samples from containers with plastic pellets only and collected five grab samples from containers with plastic pellets and soil, submitted for analyses of total VOC, total SVOC, TCLP metals.

- Lab generated one composite for plastic pellet each waste stream; composite samples were analyzed for TCLP VOC, TCLP SVOC, TCLP Pesticides, TCLP Herbicides, PFAS/PFOA and Total PCBs. Dioxin impacts are not considered a potential COC for this waste stream, no dioxin analyses were performed.
- Roll-off box of Street sweepings:
  - Collected one grab sample which was submitted for analyses of total VOC, total SVOC, TCLP metals, TCLP VOC, TCLP SVOC, TCLP Pesticides, TCLP Herbicides and Total PCBs.

Sampling of Liquid Waste

- Collected samples from five of the original 10 temporary storage tanks generated following the derailment. Samples were collected with a bailer and submitted for analyses of VOC, SVOC, metals, pH, flashpoint, total suspended solids and total organic carbon. One composite sample was generated by the lab and submitted for PFAS/PFOS analyses.

### 1.3.4 Waste Determinations and Disposal

Waste determinations were made based on generator knowledge of a U-listed source, commercial grade unused vinyl chloride, and analytical results. The following is a summary of the waste determination completed prior to the UAO.

- Surface water, fire water, decontamination water and recovered product are characterized as listed hazardous waste, U043. Based on analyses the liquid waste does not exhibit any characteristics of hazardous waste other than toxicity for vinyl chloride and is not Toxic Substances Control Act (TSCA) regulated. The VC characteristic is covered under the U listing.
- Contaminated soils in staging piles and soil and wastes in roll-of boxes (mentioned in Section 1.3.2) are characterized as U043 (VC) listed hazardous waste based on generator knowledge that these wastes were generated from the cleanup of a release of a U-listed chemical. Contaminated soil and roll-offs were sampled prior to the UAO effective date; however, the analyses were not received until after the UAO effective date. Waste determinations for the soils and soil and waste in roll-off boxes which were performed after the UAO identified that these wastes do not exhibit any characteristics other than toxicity for vinyl chloride of hazardous waste. The VC characteristic is covered under the U listing.

Waste disposal facilities for liquid wastes and disposal methods are summarized below. Copies of the waste profiles and approvals are provided in Appendix B.

<b>Liquid Waste, Hazardous</b>					
<b>State</b>	<b>Disposal Facility</b>	<b>Address</b>	<b>CERCLA Approved</b>	<b>Profile Status</b>	<b>ID Number</b>
OH	Vickery (Deep Well Injection)	3956 State Route 412, Vickery OH 43464	Y	Approved	OHD020273819
TX	Texas Molecular Deer Park (Deep Well Injection)	2525 Independence Rd Deer Park, TX 77536	Y	Approved	TXD000719518
MI	Romulus (Deep Well Injection)	28470 Citrin Drive Romulus, MI 48174	N	Approved	MIR000016055



Transportation and disposal of the wastewater began on February 14, 2023. Prior to execution of the UAO a total of 172 loads (approximately 817,228 gallons) of U043, Hazardous wastewater was shipped offsite for disposal.

The following is a list of commodities being transported by the train that derailed (see Appendix B, USEPA Unilateral Administrative Order for Removal Actions, CERCLA Docket No. V-W-23-C-004; USEPA 2023). Railcars containing these commodities were not breached and there was no release to the environment associated with these products. Based on generator knowledge, the commodities listed below were fully contained within railcars and were not contaminated by the VC release. Commodities in rail cars that were not breached were identified as non-RCRA hazardous waste and managed under applicable OEPA solid waste regulations. The following is a list of commodities that have been offloaded and managed for recycling, disposal of purchased as off-spec commercial products.

<b>Commodity</b>	<b>Disposal Method</b>	<b>Disposal /Recycling Location</b>
Polypropylene (Polyol)	Solidification/ landfill	Republic Services Carbon Limestone Landfill 8100 S State Line Rd, Lowellville, OH 44436
Dipropylene glycol	Solidification/ landfill	
Propylene glycol	Solidification/ landfill	
Paraffin Wax (Carbon wax)	Solidification/ landfill	
Lube oil additive (non-recyclable)	Solidification/ landfill	
Lubad (Lube oil additive)		
food commodities (veggies)	landfill	
powder flakes (hysorb)	landfill	
Malt Liquor Containers (bottles of beer)	Empty containers only - landfill	
Petro Oil (Lube Oil)	Oil recycling	Everclear Oil Ltd. 3700 Oakwood Ave, Austintown, OH 44515 PetroMax Ltd 301 Prestley St, Carnegie, PA 15106
Fuel Additives (Lube Oil Additive)	Oil recycling	Petromax
Passenger vehicles	Recycled as scrap metal	D&D Salvage 6375 Railroad Street Pittsburgh, PA 15201
Diethylene glycol	recyclable material purchased as is	American Chemical Products 5041 W 161st St, Cleveland, OH 44142

## 2 Regulatory

On February 21, 2023, NS and the USEPA entered into the UAO (CERCLA Docket No. V-W-23-C-004; USEPA 2023). The response action is now being performed under a UAO issued under authority of CERCLA. As such, the response action must ensure that all waste characterization and management comply with applicable and relevant and appropriate requirements (ARARs) of federal, Ohio, and local environmental laws, including RCRA Subtitle C (hazardous waste identification and management), as set forth in Section 121 of CERCLA and 40 CFR 300.415(j) of the National Oil and Hazardous Substances Contingency Plan (NCP). While NS meets the definition of a “generator” under RCRA regulations (see 40 CFR 260.10) and is responsible for determining whether any waste meets the definition of a RCRA hazardous waste, the lead agency (USEPA) and support agency (OEPA) will review all waste characterizations and management of wastes to identify ARARs and ensure compliance with ARARs, as necessary. All hazardous waste determinations will be made at the point of generation concurrent with

determining whether hazardous waste is prohibited from land disposal (i.e., compliance with the Land Disposal Restriction [LDR] treatment standards in 40 CFR Part 268). In addition, offsite disposal of any waste (hazardous or non-hazardous) generated by the response is subject to all applicable requirements, including permits, as well as the procedures for planning and implementing off-site response actions at 40 CFR 300.440 of the NCP (i.e., CERCLA Off-Site Rule). This section presents the regulations governing onsite management and disposition of waste under the UAO and the Ohio Administrative Code (OAC).

## 2.1 Hazardous Waste Regulations

Current waste sampling and analyses procedures are consistent with the procedures implemented under OEPA. Additional details are provided in Section 4. RCRA identifies requirements for characterization of wastes and for management of hazardous waste, requirements applicable to the site are specified below.

### 2.1.1 Determination of When Contamination is caused by a Listed Hazardous Waste

The regulations in 40 CFR §261.33 provide a definition of hazardous wastes that are discarded commercial chemical products, off-specification species, container residues, and spill residues thereof. The commercial chemical products, or off-specification commercial chemical products listed in 40 CFR 261.33(f) are known as U-listed wastes. Per 40 CFR 261.33(d) contaminated soil or water (media) generated from the cleanup of releases of U-listed chemicals is hazardous waste and the spill residues must carry the same listed waste codes as the chemical that was spilled.

Spill residuals from the release of a U-listed chemical must be managed as a U-listed hazardous waste unless the constituents from a U-listed chemical are present in the media at concentrations less than health-based levels, in which case the contaminated media will no longer be regulated as a RCRA U-listed hazardous waste (referred to as a "Contained-In Decision for Media and Debris). This process is known as the "contained-in determination" and requires written approval by USEPA. Contained-in requested will be prepared and submitted separately to the OEPA and USEPA. Copies of contained in requests and approvals will be maintained in the project records for a minimum of 10 years.

### 2.1.2 Determination of Whether a Waste Exhibits a Characteristic of Hazardous Waste

If the waste is not listed, it must be determined if it exhibits any of the four characteristics of a hazardous waste. This evaluation can be based on laboratory analyses or generator knowledge. A waste is a characteristic waste if it exhibits the properties of ignitability, corrosivity, reactivity, or toxicity as defined in 40 CFR 261, Subpart C.

### 2.1.3 LDR for Waste Carrying a Listed and/or a Characteristic Code

All RCRA hazardous wastes, including hazardous contaminated media, generated during the removal response must comply with applicable RCRA LDRs regulations found in 40 CFR Part 268 prior to disposing of those wastes at an approved off-land disposal facility. NS will follow the regulations at 40 CFR 268.9 for identifying all the RCRA waste codes applicable to a hazardous waste for purposes of determining the applicable LDR treatment standards found in 40 CFR Part 268 subpart D. For those wastes where the LDR treatment standard includes

treatment of underlying hazardous constituents (UHCs), NS will identify all reasonably present UHCs in those RCRA hazardous wastes and hazardous contaminated soils to determine if the concentration of those UHCs are above their respective UTS and require treatment.

If the generator determines that a listed code is applicable, then it is always applicable to the waste. If the waste is not listed, then the generator must determine if the waste exhibits any characteristics. However, for the purpose of compliance with LDR, the generator must determine if the listed waste also exhibits a characteristic. Where a waste is both listed and exhibits a characteristic, the treatment standard for the listed waste code (40 CFR part 261, subpart D) will operate in lieu of the standard for the characteristic waste code (40 CFR part 261, subpart C), provided that the treatment standard for the listed waste includes a treatment standard for the constituent that causes the waste to exhibit the characteristic. Otherwise, the waste must meet the treatment standards for all applicable listed and characteristic waste codes. Note that assigning a characteristic code to a listed waste often requires a generator to determine if the waste contains UHCs. If UHCs are present, they must be identified on the LDR paperwork, and the receiving facility must ensure that all UHCs are treated to meet UTS prior to land disposal.

#### **2.1.4 Regulations applicable to waste impacted with PFAS/PFOA and Dioxins/Furans**

Currently wastes impacted with PFAS/PFOA are not regulated under the RCRA or under TSCA. As such, acceptance criteria and disposal methods are being reviewed on a site-specific basis. Per disposal facility requirement sampling for PFAS/PFOA was performed on the five staging piles generated. Based on the analytical results PFAS/PFOA were not a disposal concern and additional sampling for PFAS/PFOA analyses was not required.

While dioxins or furans created during the controlled burn of VC do not affect the classification of contaminated soil or groundwater as a RCRA hazardous waste, dioxins and furans in RCRA hazardous soils may require treatment to meet the RCRA LDRs. Dioxins and furans are identified as UHCs and subject to treatment standards if NS will use the RCRA Alternative LDR Treatment Standards for Soil at 40 CFR 268.49 to comply with the RCRA LDR requirements. Therefore, NS must sample and document that the concentrations of dioxins and furans in RCRA hazardous contaminated soils are below their applicable LDR UTS for non-wastewater dioxins/furans found in 40 CFR 268.48 if those soils will be managed under the Alternative LDR Treatment Standards for Soil. In accordance with LDR requirements, NS will analyzing all suspect waste streams (soil, sediment, street sweepings, booms in dams) for dioxins and furans. To date, all analytical results are below 10X UTS for dioxins/furans.

## **2.2 Non-Hazardous Waste Regulations**

All non-RCRA wastes (i.e., "solid waste" as defined by federal RCRA regulations and "waste" as defined by OEPA), will be characterized and managed in accordance with applicable OEPA and any local solid waste regulations.

## 3 Onsite Management of Waste

Arcadis will manage all waste, hazardous and non-hazardous, in a manner that prevents unauthorized releases to the environment. Arcadis will comply with all federal and state regulations and will adhere to best management practices while managing waste containers and storage areas to ensure proper waste management and a safer working environment. Generator requirements for management of hazardous waste are based on generator status. If more than 2,200 pounds per calendar month of hazardous waste is generated from the emergency response activities, the site will be considered a large quantity generator of hazardous waste (LQG). As a LQG, the generator must comply with waste management requirements in OAC Chapter 3745-52-17.

The following is a summary of the regulatory requirements and best management practices for onsite management of hazardous and non-hazardous wastes.

- All water/product resulting from response activities will be containerized upon generation. For bulk recovery, liquids may be temporarily stored in a vacuum truck prior to consolidation in a temporary storage tank. Recovered liquids and products may be combined provided they are associated with the same release area and the waste is compatible.
- All Soil will be stockpiled within the AOC or will be placed into containers and transported to a designated storage area. Soil piles in the AOC will be covered when soil is not actively being added or removed from the storage area.
- Waste may be transported from the point of generation to a temporary onsite storage area without triggering the requirement for waste transportation permit.

### 3.1 Segregation of Potential Waste Streams

NS will make a RCRA hazardous waste determination and the LDR determination in 40 CFR 268.9 (if the waste is RCRA hazardous) for all wastes at the point of generation prior to consolidating or combining wastes. This will avoid potentially mixing RCRA hazardous waste with non-RCRA waste or violating the dilution prohibition as a substitute for treatment identified by the LDR regulations at 40 CFR 268.3. All hazardous waste determinations will be made at the point of generation (§262.11) concurrent with determining whether hazardous waste is prohibited from land disposal (i.e., compliance with the LDR treatment standards in 40 CFR Part 268).

The following is a list of the waste streams generated since the work plan was originally developed.

- Hazardous waste, soil generated from excavation activities;
- Hazardous waste, water/product recovered from dams, interceptor trenches, sumps, surface puddles and storm sewer clean-outs;
- Hazardous waste, decontamination water;
- Non-hazardous and recyclable commodities;
- Municipal trash (non-impacted food waste, paper, plastic, cardboard);
- Scrap metal;
- Hazardous waste, asbestos containing materials (Transite panels) mixed with debris and soil;
- Hazardous waste, debris (silt fence, sediment curtains, booms, PPE, absorbent pads, HDPE liner, plastic pellets, vegetation);

- Non-hazardous vegetation; and
- Hazardous waste, railroad ties.

Arcadis will work with contractors to segregate wastes being generated. It is understood that segregation abilities will be limited by schedule and available storage space. However, at a minimum the following segregation will be required.

- Decontamination water will be containerized separately from surface and groundwater.
- Unimpacted municipal trash will be segregated from remediation wastes.
- Soil from the VC burn area and soil from north of the track that contains significant concentrations of flour will be placed in a separate staging pile.
- Clean soil and vegetation (outside of the AOC) will be staged separately.

During waste generation, the Arcadis Waste Advisor will confirm with the field staff that the material currently being generated is similar in composition and impacts. If field staff indicate waste has changed based on field screening, composition, or visual appearance, that material will be placed into a separate stockpile/ container.

## 3.2 Onsite Management Methods for RCRA Hazardous Waste and Contaminated Media

The response action is being conducted pursuant to a CERCLA Section 106 UAO (USEPA 2023). Under CERCLA section 121 and 40 CFR 300.415(j), onsite removal actions will comply with ARARs accordingly, and RCRA regulations for management of hazardous remediation waste. ARARs within the scope of this project include RCRA regulations pertaining to handling, storage, and disposal of certain waste materials and United States Department of Transportation (USDOT) regulations pertaining to transport of hazardous waste found at 49 CFR Part 171 will be met to the extend practical. Corrective Action Temporary units (40 CFR 264.553) may be used in the design, operation, monitoring, and closure of containers, tanks, or waste piles created “on-site” (as defined by CERCLA) during the response. Unified Command will be notified prior to establishment of any new temporary waste management units.

RCRA Hazardous wastes and contaminated media will be generated during excavation, consolidation, and removal of contaminated soils from drainage and other areas (40 CFR 300.415 (e)(6)) and activities associated with the removal of a release of a CWA hazardous substance (40 CFR 300.415 (c)). The following is a list of potential RCRA Hazardous waste and contaminated media that may be generated during Removal Actions. This list is not exhaustive and is not intended to prevent the generation of additional waste streams. A complete list of currently profiled waste streams is provided in Appendix B. A summary of waste generation and applicable regulations is provided in Attachment 4.

- RCRA Hazardous Waste Solids, Soil impacted with listed hazardous waste (VC);
- RCRA Hazardous Waste Solids, Soil impacted with listed hazardous waste (VC) and asbestos containing material;
- RCRA Hazardous Waste Solids, Debris impacted with listed hazardous waste (VC);
- RCRA Hazardous Waste Liquids, Water (surface water and groundwater) impacted with listed hazardous waste (VC);
- RCRA Hazardous Waste Liquids, Water (decontamination water) impacted with listed hazardous waste (VC);

### 3.2.1 AOC Policy

In the USEPA AOC Policy (USEPA 1996) the USEPA interprets RCRA to allow certain discrete areas of generally dispersed contamination to be considered RCRA units (usually landfills). Because an AOC is equated to a RCRA land-based unit, consolidation and *in situ* treatment of hazardous waste within the AOC does not create a new point of hazardous waste generation for purposes of RCRA. Therefore, wastes can be consolidated or treated *in situ* within an AOC without triggering LDRs or minimum technology requirements. This AOC interpretation may be applied to any hazardous remediation waste (including non-media waste) that is in or on the land. The AOC concept is particularly useful for consolidation of contiguous units or areas of contaminated soil. The AOC policy does not apply to *ex situ* waste management or transfer of wastes from one area of contamination to another.

Ohio recognizes the USEPA AOC Policy. Ohio regulations for staging piles (OAC 3745-57-74) are not applicable to soil consolidated into piles within the AOC.

Remedial activities will include excavation of impacted soil. All excavated soil will be consolidated into staging piles for sampling and storage prior to offsite disposal. All staging piles will be located within the AOC and constructed with welded HDPE liners and hay bale berms. Soil placed in staging piles will be covered whenever the pile is not actively being added to or removed from and covers will be inspected daily. Staging piles have no size restrictions other than all materials staged must be able to be contained within the designated liner. Designated staging pile locations and waste storage areas are identified in Figure 1.

The following is a summary of the staging piles names (some utilized prior to the UAO) and the current staging pile names.

Previous Name	Current Name
Staging pile 1A – Vinyl chloride release area, shallow excavation	Staging pile 1
Staging pile 1B – vinyl chloride release area, deep excavation	Staging pile 3
Staging pile 2 – butyl acrylate excavation area	Staging Pile 2
North Staging Pile	Staging pile 6
Tank Area Staging Pile	Staging pile 4
South Track west Staging Pile	Staging Pile 5
South Ditch Staging Pile	South Ditch Staging Pile

### 3.2.2 Corrective Action Temporary Units

The response action is being conducted pursuant to a CERCLA Section 106 UAO (USEPA 2023). Regulations applicable to the use of Corrective Action Temporary Units are found in 40 CFR 264.553 and OAC rule 3745-57-73. The use of temporary units (TUs) is being authorized by USEPA as an ARAR during a CERCLA cleanup under the Section 106 UAO.

TUs are tanks or container storage areas that USEPA has designated to be used only for the treatment or storage of remediation wastes during cleanups. TUs allow wastes to be stored for up to one year and are not limited to



media. TUs must be within contiguous property where the wastes originate. For the purpose of this removal action the contiguous property where the waste originates is defined in the UAO Amendment 1 as the “site” (UOA for Removal Actions First Amendment, March 27, 2023). EPA or authorized states can modify the design, operating and closure standards that normally apply in order to facilitate the prompt cleanup of a site. Table 2 provides a summary of standards applicable to the TUs and documents compliance with those standards.

The following TUs may be used for management of solid and liquid remediation wastes:

- Tanks: Temporary storage tanks and modular tanks including
  - Approximately 155 temporary storage tanks in Tank Farms 1, 2, 3, 4, 5, 6, Stand by Tank Farms 1, 2 and 3 and the waste water treatment plant
  - 2 one-million-gallon modular tanks located in Tank Farm 1
- Container storage areas to include:
  - Tank Farms 5&6 which contains approximately 222 roll-off boxes and vacuum boxes
  - Waste Water Treatment Plant which contains drums and totes

Unified Command will be notified prior to establishment of any new waste management units or areas.

Transportation and offsite disposal for listed hazardous waste managed in TUs is ongoing. Per 40 CFR 264.553

(c) the following is a list of factors used to establish the standards that will apply to a temporary units used onsite.

List of Factors	Answer
<b>(1)</b> Length of time such unit will be <u>in operation</u> ;	It is anticipated that units will be operational less than 1 year and the number of units in use will decrease as remedial activities progress.
<b>(2)</b> Type of unit;	Container Storage Areas: remedial waste is stored in roll-off containers, vacuum boxes, intermodal containers, drums, totes Tanks: modular tanks, temporary storage tanks
<b>(3)</b> Volumes of wastes to be managed;	Temporary storage tanks and Modular tanks volumes are monitored and reported daily <ul style="list-style-type: none"> <li>• Temporary storage tanks each have a capacity of 20,000 gallons each; based on the number of temporary storage tanks onsite the maximum volume of remediation waste that could be stored in temporary storage tanks is 3.1 million gallons.</li> <li>• Modular tanks have a capacity of 1 million gallons each; the maximum onsite storage volume would be 2 million gallons.</li> </ul> Roll-off containers and drums are inventoried weekly <ul style="list-style-type: none"> <li>• Roll-off containers have a capacity of 20 cubic yards (CY) each; maximum volume would be 4,440 CY.</li> <li>• Drums have a capacity of 55 gallons each; maximum storage volume would be 4,125 gallons or 20 CY.</li> </ul>
<b>(4)</b> Physical and chemical characteristics of the wastes to be managed in the unit;	Hazardous Waste Liquids, impacted with vinyl chloride (U043), toxic will be stored in the following TUs: <ul style="list-style-type: none"> <li>• Tanks: Temporary storage tanks and modular tanks.</li> <li>• Container storage areas.</li> </ul> Hazardous waste, Solids impacted with vinyl chloride (U043), toxic will be stored in the following TUs <ul style="list-style-type: none"> <li>• Container storage areas.</li> </ul>

List of Factors	Answer
	<p>Other Hazardous Waste Liquids, characteristic (corrosive, flammable) will be stored in the following TUs:</p> <ul style="list-style-type: none"> <li>• Tanks: Temporary storage tanks.</li> <li>• Container storage areas.</li> </ul> <p>Non-Hazardous Waste Liquids, managed under contained-in approval will be stored in the following TUs:</p> <ul style="list-style-type: none"> <li>• Tanks: Temporary storage tanks.</li> </ul>
<p><b>(5)</b> Potential for releases from the unit;</p>	<p>All tanks and container storage areas are equipped with secondary containment. Any liquid releases would be recovered from the existing secondary containment network</p> <ul style="list-style-type: none"> <li>• Tank Farms 5 and 6 have HDPE liner covering the entire tank farm area with additional HDPE installed under the temporary storage tanks. Rig mats have been placed over the liner to prevent punctures. A containment berm was created using hay bale berms overlain by HDPE liner.</li> <li>• Tank Farms 2 and 3, Stand by Tank Farms 2 and 3 and the waste water treatment plant have individual HDPE liners installed under each temporary storage tank and container storage area.</li> <li>• Both Modular tanks were installed within a single secondary containment consisting of an impermeable liner (120 mil Linear Low-Density Polyethylene (LLDPE) liner manufactured by ATARFIL), steel sheet piles, and earthen berms.</li> <li>• There is a network of over 10 vacuum trucks assigned to various remediation tasks. If there was a release of liquids the liquids would be immediately recovered by the vacuum trucks. Likewise, there are numerous pieces of equipment (excavators, dump trucks, bobcats) capable of recovering solids if a release occurred.</li> </ul> <p>All tanks (temporary storage tanks and modular tanks) and containers (roll-off boxes, vacuum boxes, drums, totes) are constructed of high-quality steel and are constructed according to recognized engineering standards. Modular tank construction and installation are also described in the Modular Tank Summary Sheet (April 7, 2023, Arcadis).</p> <p>At a minimum, all tanks and container storage areas are inspected daily. Integrity issues such as leaks are immediately repaired. If the issue is not able to be immediately corrected, the waste is removed from the tank/container and placed into a new container.</p> <p>Loading and unloading of temporary storage tanks is visually monitored by someone on top of the tank to prevent overfilling and someone at the pumps; additional secondary containment (buckets/ kiddie pools) are placed under hose connections; Loading and offloading operations for the modular tanks is provided in the Modular Tank Summary Sheet (April 7,2023, Arcadis)</p>
<p><b>(6)</b> Hydrogeological and other relevant environmental conditions at the facility which may influence the migration of any potential releases; and</p>	<p>Due to the various secondary containment efforts made, specialized emergency response equipment available, monitoring of the proposed temporary units (e.g., inspections, etc.) and required final cleanup of these areas (e.g., UAO and workplans for soil and groundwater characterization, including remediation), any potential hydrogeological and other relevant environmental conditions at the site which may influence the migration of any potential releases has been minimized to the extent necessary to be protective of human health and the environment while achieving overall cleanup at the site.</p>



List of Factors	Answer
(7) Potential for exposure of humans and environmental receptors if releases were to occur from the unit.	Except for the wastewater treatment plant all areas where tanks and containers are store are covered in the Site Security Plan. All TUs are maintained in secure areas (fenced or security guard) with access restricted to authorized personnel only. Personnel permitted in the tank and container storage areas are all 40 hour HAZWOPER trained and anyone with a hazardous waste task is RCRA trained.

### 3.2.3 Management of Waste in AOC and TUs

To ensure the integrity of the TUs (container storage areas and tanks) and staging piles at the site is properly maintained, the following criteria will be monitored:

- Each waste stream will be stored in a different container, tank or staging pile that is compatible with the waste contained.
- All containers and tanks will be maintained in good condition, with no leaks, corrosion, rust, or bulges. If a container is not in good condition or is leaking, transfer the waste into a container that is in good condition.
- Waste containers will be kept closed and staging piles will be covered unless waste is actively being added to the container.
- All waste containers and tanks must be labelled. All Staging piles must be identified by signs. Containers, tanks and staging piles with missing or damaged labels/sign will be relabeled. All signs and labels must be properly maintained.
- All containers will be transported to the storage area, handled, and stored in a manner to prevent them from rupturing and to prevent the waste from leaking or spilling.
- Tanks and containers will be stored in a secure area and protected from traffic. Tanks and containers will be protected from the weather to prevent freezing, volatilization, or flooding.
- At a minimum, TUs and staging piles will undergo daily visual inspection. Inspections will be documented on the Daily Inspection Form (Attachment 8).
- Tanks, TUs and staging piles will be placed on secondary containment and the secondary containment will be maintained in accordance with the Secondary Containment Standard Operating Procedures (Attachment 7).
- The liquid transfer process will be manned at both ends of the transfer. The employee manning the liquid transfer at the manhole opening on top of the temporary storage tank will be required to wear appropriate PPE. Air monitoring will be conducted in accordance with the Site Health and Safety Plan during the transfer process.
- The following Preparedness and Prevention Measures will be maintained in the storage area:
  - A list of emergency contacts,
  - Personnel working in the storage area will carry an emergency radio/cell phone anytime waste is being placed in the storage area or loaded for offsite transport, and during sampling and inspection activities,
  - Fire extinguishers if flammable liquids are present,
  - Materials to control spills (i.e., spill absorbents, extra 55 gallon drums to transfer wastes),
  - PPE supplies (i.e., eyewash, first aid kit).

### 3.2.4 Labeling

Waste labels must identify, at a minimum, the following information (see Attachment 2 for examples of completed labels):

- The words “Hazardous Waste,” “non-hazardous waste”, “Analyses Pending”;
- Site Address and USEPA ID number;
- Identify the hazards of the contents of the containers using a description (e.g., toxic, ignitable, reactive, corrosive, USDOT label, greenhouse gas label or Occupational Safety and Health Administration [OSHA] label); and
- Generator name and contact information.

Examples of waste labels are provided in Attachment 2. If the waste determination and hazards are unknown pending receipt of analytical data, use the “analyses pending” label. Once the analysis is reviewed the “analyses pending” label should be removed and replaced by a more appropriate label.

## 3.3 Onsite Management of Non-RCRA Waste

Ohio’s regulations for non-hazardous solid waste are contained in OAC 3745-27. Solid waste generated and managed prior to the UAO is discussed in Section 1.3. The current generation of non-hazardous waste is limited to municipal trash, which is placed into designated roll-off containers. General best management practices applicable to the non-hazardous wastes generated as a result of the derailment include:

- Solid waste may be stored onsite in labeled containers or stockpiles while awaiting disposal.
- All Non-Hazardous Waste for offsite disposal transport within Ohio will comply with Ohio's general safety rules administered by the Public Utilities Commission of Ohio. No transport permit is required to transport solid waste within the State of Ohio.

## 4 Sampling and Analyses

On February 21, 2023, NS and the USEPA entered into the UAO (CERCLA Docket No. V-W-23-C-004; USEPA 2023). The response actions are now being performed pursuant to a CERCLA Section 106 UAO. Waste sampling and onsite management activities comply with ARARs of federal, state, and local environmental laws including RCRA Subtitle C (hazardous waste identification and management), as set forth in Section 121 of CERCLA and 40 CFR 300.415(j) of the NCP.

Personnel tasked with collecting waste samples will comply with NS and Arcadis health and safety requirements. Task-specific Job Safety Analyses will be prepared to address specific hazards associated with the waste sampling activities. All personnel whose job involves management of hazardous waste will be trained in accordance with Federal RCRA requirements. PPE requirements will be determined by the Project Health and Safety Manager based on known and/or anticipated contaminants and review of SDS. Prior to opening any waste containers, field staff will check with the Health and Safety Manager regarding required PPE, respirator use, and other safety equipment.

Federal regulation states that it is the responsibility of the generator to accurately characterize the waste generated (40 CFR 262.11). In general, OEPA follows Federal guidance and leaves it up to the generator to

determine the number of samples needed to accurately represent the waste stream. Neither OEPA regulations nor the OEPA Contained-In Determination guidance provide a requirement for the number of samples per volume required.

Sampling procedures implemented prior to the UAO are discussed in Section 1.3. Due to public concern a very conservative sampling approach was utilized for characterization of the wastes generated during the initial remedial activities. All sampling and analyses plans were submitted in writing to OEPA and approved prior to execution. OEPA provided direct oversight of all sampling activities.

Sampling performed after the execution of the UAO will be provided to USEPA so they may verify compliance with ARARs. All sampling will be performed in accordance with the USEPA RCRA waste Sampling Draft Technical Guidance and the conservative approach approved by OEPA.

Arcadis will collect samples in accordance with the following:

- All waste streams will be sampled in accordance with federal and state regulations.
- Based on experience, waste streams generated during the initial response activities and surface soils will exhibit the highest concentrations of COCs and impacts. As the remediation progresses, COC concentrations will decrease. The initial sampling and analyses approach will be conservative regarding the number of samples collected and analytical parameters. It is anticipated that based on analytical data a subsequent approach with reduced sampling will be requested.
- Because there is no generator knowledge of the COCs present in the soil prior to the derailment, the initial sampling and analyses plan will include sampling for the full list of RCRA TCLP parameters to assess if the waste exhibits any characteristics of hazardous waste. Analyses will also include PCBs to assess TSCA applicability. Following review of the initial analytical data, a reduced sampling will be requested that focuses on COCs present in the waste based on the initial analyses.
- When testing to determine if a waste stream is characteristic, waste samples will be collected as a composite sample that are representative of the average properties expected to be exhibited by the whole.
- When evaluating LDR applicability, grab samples will be collected and submitted for total VOCs, total SVOCs and TCLP metals. Results will be compared to the UTS.
- The following sample nomenclature is recommended:
  - Waste Characterization Sample (WC) – Staging Pile # (SP2) – Source location (South Track)
  - Waste Characterization Sample (WC) – Container # (SB2008) – Waste Matrix (Soil and Debris)

To expedite data assessment and remedial actions, for new waste streams Arcadis will develop task-specific sampling and analyses plans specific to response activities. Arcadis will present the proposed sampling and analyses plans to the USEPA and the incident command team. New sampling plans will not be executed until NS and USEPA approval is received. Copies of previously approved task specific sampling plans are included in Attachment 3. As additional plans are approved, they will be added to Attachment 3.

NS will provide a specific sampling approach as a stand-alone request for a contained-in determination for RCRA hazardous media.

## 5 Waste Determinations

Under RCRA requirements, a person who generates a solid waste as defined in 40 CFR 261.2 must determine if that waste is a “listed” hazardous waste in Subpart D of 40 CFR 261, or if it exhibits a “characteristic” of hazardous waste as described in Subpart C of 40 CFR 261. With the adoption of the Generator Improvement Rule, the USEPA further emphasized that “The Generator is ultimately responsible, and always has been, for making accurate waste determinations (November 28, 2016; 81 FR 85750). OEPA regulations for applying generator knowledge to make an accurate waste determination are summarized in Hazardous Waste Evaluation and Use of Generator Knowledge in Complying with OAC rule 3745-52-11 (OEPA 2020).

A hazardous waste determination can be based on generator knowledge or analyses. All hazardous waste determinations will be made at the point of generation (§262.11) concurrent with determining whether hazardous waste is prohibited from land disposal (i.e., compliance with the LDR treatment standards in 40 CFR Part 268).

Soil impacted by the releases of hazardous materials associated with the derailment are being excavated and consolidated into 6 staging piles within the AOC. Based on generator knowledge that impacts to the soil are associated with a release of a U-listed chemical, VC (U043) the soil in all staging piles is characterized as s U043 listed hazardous waste. Based on analyses the soil in these staging piles does not exhibit any characteristics of hazardous waste and is not TSCA regulated. All waste determinations are documented in facility specific waste profiles that are signed by NS. Waste profiles and supporting analytical data are provided to USEPA for approval prior to offsite transportation and disposal. The following is a summary of the waste determinations and proposed disposal methods for each staging pile.

- Soils in staging piles 1B (currently called staging Pile 3) and 2 (currently called staging pile 2) and the North Ditch soil in roll-off boxes were characterized as listed hazardous waste, U043 (VC) to be managed in accordance with the Alternative soil standard (vinyl chloride < 10x UTS) and sent to a Subtitle C, hazardous waste landfill for direct land disposal.
- Soil in staging pile 1A (currently called pile 1) was characterized as listed hazardous waste, U043 (VC). The soil in staging pile 1A is mixed with waste and therefore the Alternative Soil Standard is not applicable. Concentrations of VC exceed LDRs, as such soil from pile 1A will require incineration.
- Soils in north staging pile (currently called Staging Pile #6) are characterized as listed hazardous waste, U043 (VC). Concentrations in one of the 10 grab samples exceeded 10x UTS as such soil from the North staging pile will require incineration.
- Based on analyses the concentrations of vinyl chloride in all 10 grab samples of the plastic pellets and the one sample of street sweepings was reported as non-detect. Because the plastic pellets and street sweepings were recovered from areas included in the AOC and the contained-in policy cannot be applied to non-media the roll-off and vacuum boxes containing plastic pellets, plastic pellets mixed with soil and street sweepings are characterized as U043 listed hazardous waste. Based on analyses these waste streams meet land disposal criteria at the point of generation and therefore will be sent to a Subtitle C, hazardous waste landfill for direct land disposal.

Upon determination that the waste generated were listed hazardous waste, the analytical results for the grab samples were compared to applicable UTS to determination of compliance with LDR and the alternative soil standard. Per 40 CFR 268.49 When applying the soil treatment standards in paragraph (c) of this section, constituents subject to treatment are any constituents listed in § 268.48 Table UTS-Universal Treatment Standards that are reasonably expected to be present.

## 5.1 Generator Knowledge

To make an accurate determination that the waste is a listed hazardous waste, acceptable knowledge that can be used includes waste origin, composition, the process producing the waste, and other reliable and relevant information (§262.11(c)).

To make an accurate determination that the waste is a characteristic hazardous waste, the generator must apply knowledge of the hazard characteristic of the waste in light of the materials or the processes used to generate the waste. Acceptable knowledge includes:

- Process knowledge (e.g., information about chemical feedstocks and other inputs to the production process);
- Knowledge of products, by-products, and intermediates produced by the manufacturing process;
- Chemical or physical characterization of wastes;
- Information on the chemical and physical properties of the chemicals used or produced by the process or otherwise contained in the waste;
- Testing that illustrates the properties of the waste; or
- Other reliable and relevant information about the properties of the waste or its constituents (§262.11(d)).

The following generator knowledge will be applied to all waste streams generated:

- The derailment resulted in the release of hazardous materials. One of the materials released was VC, a listed hazardous chemical. Five railcars containing VC were breached, the breached cars were adjacent to each other in the train. The VC release was focused in the area beneath the breached cars.
- SDS (Attachment 1) will be used as generator knowledge for hazards and COCs associated with the release. Based on a review of the commodities released, there is one listed hazardous chemical, VC. Based on a review of SDS, some of the released materials are characteristically hazardous for ignitability. This property would only be applicable to recovered liquids. Other than the VC, there are no released chemicals that exceed RCRA toxicity criteria
- No UHCs are associated with the vinyl chloride however dioxins may have been generated by the fires that resulted from the explosions. As such, UHC identification includes sampling and analyses for dioxins and furans. To date no UTS exceedances have been identified.

## 5.2 Are the Wastes Listed?

The primary criteria for applying a listed code to waste is generator knowledge of the source of the waste and the process that generated the waste. Based on generator knowledge a release of VC, a listed hazardous chemical, occurred within the hot zone. In accordance with §261.33, the spill residuals from a listed chemical must be managed as a listed hazardous waste and carry the same codes as the chemical.

## 5.3 Are the Wastes Characteristic?

To support the characteristic waste determination, NS will obtain a representative sample (§260.10) of the waste for the testing. The samples will be submitted under chain of custody to an accredited laboratory and analyzed in accordance with the test method specified in subpart C of 40 CFR part 261. Results will be compared to RCRA

characteristic criteria in 40 CFR 261.21 through §261.24 (ignitability, corrosivity, reactivity, toxicity). The results of the analysis, when properly performed, are definitive for determining the regulatory status of the waste.

## 6 Disposal Options

The derailment occurred in Columbiana County Ohio. Based on information provided by OEPA Division of Solid Waste, the Carroll/Columbiana/Harrison (CCH) Joint Solid Waste Management District has designated 37 solid waste facilities as the only facilities that may accept non-hazardous solid waste generated within the District. A copy of the CCH designated facilities is provided in Attachment 6.

All hazardous wastes will require disposal at a RCRA permitted facility. Prior to offsite disposal of any wastes, the notification requirements in Paragraph 46.b of the UAO will be completed in addition to any notifications NS has committed to. Currently CERCLA OSR notification are being handled by the USEPA. NS will provide USEPA with the names, addresses and EPA IDs of any proposed disposal facilities and will not ship waste offsite until USEPA OSR approval is received.

Disposal options include Subtitle C landfills, treatment, disposal and Storage Facility, deep well injection sites, or hazardous waste incinerators. To date, soils have been profiled into every permitted Subtitle C facility within the continental United States. Available disposal options have been greatly impacted by concerns for public perception and negative public relations that could impact a disposal facilities ability to renew a permit or expand. Proposed waste disposal facilities for solid waste and disposal methods are summarized below. Copies of the waste profiles and approvals are provided in Appendix B.

<b>Liquid Hazardous Waste, U043</b>					
<b>State</b>	<b>Disposal Facility</b>	<b>Disposal Method</b>	<b>Address</b>	<b>CERCLA Approved</b>	<b>ID Number</b>
OH	WM Vickery Deepwell	Deep Well Injection	3956 State Route 412, Vickery OH 43464	Y	OHD020273819
TX	Texas Molecular	Deep Well Injection	2525 Independence Rd Deer Park, TX 77536	Y	TXD000719518
MI	Republic Romulus Deep Well Injection Site	Deep Well Injection	28470 Citrin Drive Romulus, MI 48174	N	MIR000016055

<b>Solid Hazardous Waste, U043</b>					
<b>State</b>	<b>Disposal Facility</b>	<b>Disposal Method</b>	<b>Address</b>	<b>CERCLA Approved</b>	<b>ID Number</b>
OH	Ross Incineration Services	Incineration	36790 Giles Rd, Grafton, OH 44044	Y	OHD48415665
OH	Heritage Thermal Services	Incineration	1250 Saint George St, East Liverpool, OH 43920	Y	OHD980613541



Solid Hazardous Waste, U043					
State	Disposal Facility	Disposal Method	Address	CERCLA Approved	ID Number
MI	Wayne Disposal Inc.	Hazardous Waste Landfill	49350 North I94 Service Dr. Belleville, MI 48111	Y	MID048090633
IN	Heritage Environmental Services, LLC	Hazardous Waste Landfill	4370 W. County Road 1275, North Roachdale IN	Y	IND980503890
TX	Waste Control Specialists (WCS)	Hazardous Waste Landfill	9998 West, TX-176 Andrews, TX 79714	Y	TXD988088464
CO	Clean Harbor Deer Trail	Hazardous Waste Landfill	108555 East Highway 36 Deer Trail, CO 80105	Y	COD991300484
TX	Clean Harbor Deer Park	Incineration	2027 Independence Parkway South La Porte, TX 77571	Y (Pending CERCLA approval)	TXD055141378

## 7 Emergency Response

Emergency Contact information will be posted in the waste storage area and in the job trailers of the responders. All personnel working at the derailment must be provided emergency contact information. NS will immediately be notified if any of the following occur:

- Fire, Explosion;
- Personal injury;
- Unsafe working conditions due to inclement weather;
- Spill or release.

### 7.1 Notification Procedures

Emergency Response and notification of releases will be performed in accordance with Section XVII of the UAO (USEPA 2023). A summary of the requirements is provided below:

*If any event occurs during performance of the Work that causes or threatens to cause a release of any Waste Material on, at, or from the Site that either constitutes an emergency situation or that may present an immediate threat to public health or welfare or the environment, NS will immediately take all appropriate action to prevent, abate, or minimize such release or threat of release. NS will take these actions in accordance with all applicable provisions of this Order, including, but not limited to, the Health and Safety Plan. NS will immediately notify the OSCs or, in the event of his/her unavailability, the Regional Duty Officer for Region 5 (at 312/353-2318) and Region 3 (at 215/814-3255) of the incident or Site conditions.*

*If a release of hazardous waste or hazardous substances occurs where NS is required to report pursuant to Section 103 of CERCLA, 42 U.S.C. § 9603, or Section 304 of the Emergency Planning and Community*

*Right-To-Know Act (EPCRA), 42 U.S.C. § 11004, NS will immediately call the OSC, or, in the event of his/her unavailability, the Regional Duty Officer at Region 5 (at 312/353-2318) and Region 3 (at 215/814-3255) and the National Response Center at (800) 424-8802. This reporting requirement is in addition to, and not in lieu of, the reporting required by CERCLA §§ 103 and 111(g), or EPCRA § 304.*

*For all Emergencies and releases a written report to EPA within 7 days after the onset of such event, setting forth the action or event that occurred and the measures taken, and to be taken, to mitigate any release or threat of release or endangerment caused or threatened by the release and to prevent the reoccurrence of such a release or threat of release*

## 7.2 Spill Response

If any waste container, tank or staging pile is observed to be leaking, is in a condition that it is likely to leak, or has any damage or corrosion that may compromise the integrity of the containment, the Site Waste Coordinator should be immediately notified and necessary corrective actions will be performed. NS personnel must also be notified immediately. For leaks or threats of leaks, efforts shall be made to seal or stop the leak (with caulking foam, other sealant, or other safe measures), contain, and collect leaking material. If leaks cannot be readily stopped, then the container and/or tank shall be taken out of service and waste transferred to a non-leaking container.

- Releases that are contained by the secondary containment will be recovered as much as possible using common recovery methods such as vacuum trucks, absorbents and shovels.
- Releases to the ground will be recovered with vacuum trucks and absorbents. Following recovery of the liquids, any visibly impacted soil/gravel will be excavated and placed into containers for disposal.

## 8 Offsite Transportation and Disposal

Remedial waste generated at East Palestine will be shipped offsite using tanker trucks, end dump trucks, trailers carrying intermodal boxes or roll-offs and box trucks carrying drums. Loads may be shipped by road transport directly to the final disposal facility, or they may be shipped by road to a NSRC yard where they will be transloaded into rail tank cars or railcars for shipment by rail to the final disposal facility. Trucks with direct loads and trucks taking loads to the transloading yards will be loaded at the same East Palestine loading location. All trucks will be manifested, cleaned, placarded & inspected prior to leaving site in accordance with this plan. All movements of the hazardous waste will be managed in accordance with USDOT, 49 CFR Part 171-174 and OAC Rules 3745-52-30 to 3745-52-33 and OAC 3745-53-12. Hazardous waste shipments will comply with OAC Rule 3745-52-23, manifest use, hazardous waste loaded onto rail will comply with 3745-52-23(D) for rail shipments.

Procedures for Emergency Response notifications and spill response procedures are provided in Section 7. If a release were to occur during transport or transloading notification will be immediately made to USEPA at 800-282-9378, Norfolk Southern at 800-453-2530 and if greater than the reportable quantify the National Response Center at 800-424-8802.

### 8.1 UAO and CERCLA OSR Requirements

Prior to offsite disposal of any wastes the notification requirements in Paragraph 46.b of the UAO will be completed in addition to any notifications NS has committed to. Currently CERCLA OSR notification are being



handled by the USEPA. NS will provide USEPA with the names, addresses and EPA IDs of any proposed disposal facilities. NS will not ship waste offsite until NS receives confirmation from USEPA that the OSR approval has been received. NS will ensure that all off-site disposal facilities for RCRA hazardous wastes and non-RCRA wastes are in compliance with the CERCLA Off-Site Rule at 40 CFR 300.440 and OSR approvals will be maintained in the project records.

Additionally, in accordance with Section 46(b) of the UAO, NS will provide written notice to the appropriate state environmental official in the receiving facility's state and to the On-Scene Coordinators (OSCs) prior to any waste shipment. This notice requirement will not apply to any off-Site shipments when the total quantity of all such shipments will not exceed ten cubic yards. The written notice will include the following information, if available: (1) the name and location of the receiving facility; (2) the type and quantity of Waste Material to be shipped; (3) the schedule for the shipment; and (4) the method of transportation. NS will also notify the state environmental official referenced above and the OSCs of any major changes in the shipment plan, such as a decision to ship the Waste Material to a different out-of-state facility. NS will notify USEPA before the Waste Material is shipped.

## 8.2 Air Monitoring

A NS contractor will provide continuous air monitoring per the Air Monitoring plan during all waste loading activities, waste sampling and gauging activities. As appropriate, staff tasked with loading, sampling and gauging may be required to wear half face respirators based on air monitoring.

## 8.3 RCRA and USDOT Requirements for Off-Site Shipments of Hazardous Waste

USDOT regulates the identification, packaging, and transportation of hazardous materials, including hazardous waste (USDOT, 49 CFR §171-173). Offerors of hazardous material must identify the hazardous material, package, label, and mark each container of hazardous material and complete a hazardous waste manifest for the transport of hazardous waste. To ensure compliance with USDOT manifest requirements for hazardous waste generators in 40 CFR Part 262 subpart B, pre-transport requirements in 40 CFR Part 262 subpart C, notices and/or certifications required by the RCRA LDR tracking regulations in 40 CFR 268.7, every waste shipment will be managed according for the following criteria:

- Hazardous material/waste shipments will be labeled, marked, and placarded in accordance with applicable USDOT requirements.
- No waste containers will be transported offsite without approval from NS and receipt of an approved waste profile for the material being shipped from the receiving disposal facility.
- All waste shipped offsite must be accompanied by USDOT shipping papers (40 CFR Part 262 subpart B, OAC rules [3745-52-20](#) and [3745-53-21](#) and section 49 part 205 of the CFR, respectively).
- Class 9 does not require a hazmat endorsement on the drivers commercial driver's license, even if a placard is used. However, per 49 CFR 172.704 drivers without HazMat endorsements are still required to have HazMat training. (<https://www.phmsa.dot.gov/regulations/title49/interp/14-0102>). Contractors coordinating transportation will be responsible for ensuring that the drivers have the appropriate license or training.
- At a minimum, a LDR notification will accompany the first load of all hazardous waste shipped offsite.

- No waste will be accepted at the receiving facility unless it is on a pre-populated carbon copy manifest signed by Arcadis, designated rep, or NS.
- The Arcadis onsite field representative will review all shipping papers and sign the shipping papers “as an agent of Norfolk Southern Railway Company”.
- Visual inspections will be conducted by Arcadis and the USEPA/USCG prior to offsite transport to verify that the waste stream in the container is consistent with waste name identified on manifest.
- All roll-offs and dump trucks will be inspected to verify they are tarped prior to leaving the site.
- There are currently five truck wash stations (See Figure 1). All offsite waste transportation trucks must have tires washed prior to leaving the Site. Washing of additional truck surfaces will be completed as necessary.
- Prior to receiving a manifest all transportation vehicle/containers will be inspected to verify compliance with RCRA labelling and USDOT placarding requirements.
- All offsite transportation vehicles will at a minimum have wheels washed prior to leaving the site.
- There are two scales in the staging pile waste loadout area. All trucks loading from the staging piles will be weighed prior to leaving the site. Transporters are responsible for communicating general weights with the equipment operator that is loading the truck. If the scale indicates the truck is overweight, the driver will return to the staging pile where the material was derived, and the operator will remove waste.
- Liquid loads are not required to be weighed, however driver must gauge the tank and provide an estimated volume prior to leaving the site. This volume will act as the quality assurance/quality control for overweight loads.
- Trucks hauling containers (roll-offs, vacuum boxes, drums) are not required to scale out, however if the transporter is concerned, they are overweight they are encouraged to use the scales.

### 8.3.1 Transportation Management

NS Contractors are responsible for ensuring each transportation contractor and subcontractor confirms drivers have the appropriate training to be onsite and are authorized to haul the hazardous waste offsite to the designated disposal facility. Each driver must have:

- Appropriate USDOT training and licensed to haul USDOT class 9 hazardous waste;
- Knowledge and understanding of the:
  - Hazardous of the waste,
  - Onsite PPE requirements,
  - Truck routes onsite and to the designated facility,
  - Tarping requirements and procedures (NS training),
  - Decontamination requirements and procedures,
  - Site security requirements, and
  - Air Monitoring requirements and procedures.

## 8.3.2 Transloading Waste from Truck to Rail

### 8.3.2.1 Liquid Transfer at NSRC Yard, Lordstown, OH

The purpose of this section is to document the intended transfer methodology and operational controls to execute safe product transfer of loaded tank trucks of liquid hazardous waste, UN3082 into tank cars. The anticipated hours of operation of the transfers will be 24/7 as needed.

#### Truck Route to NS Yard Lordstown, OH:

- Trucks transporting hazardous waste from the East Palestine Site to the NS Yard in Lordstown, OH at 7378 South Tod Blvd., SW.
- Josh Lindley with SPSI (724-579-8700) or Robert Wood with Norfolk Southern (404-989-2523) will serve as point of contact at Lordstown, OH.
- Upon being off-loaded at the site, the trucks will reverse route back to East Palestine, OH. Cleaning of the tanks between loads is not required because these trucks are dedicated to the East Palestine hazardous waste liquids.
- Number of daily truck shipments will vary depending on availability of empty rail tank cars at Lordstown Yard. Tank cars are not loaded every day. Depending on the tank car specification, it generally takes four to five trucks to load one rail tank car.

#### Tank Car Management at Lordstown Yard:

- A solid rock access road for off-loading tank trailers has been established for safe access to the tank car in order to facilitate this waste water transfer.
- Receiving tank cars will be spotted on Track 106 in NS Lordstown Yard.
- Blue Flag Protection (Form is included in Attachment 8) will be in place for the track utilized for transfer operations.
- A job safety briefing will be conducted prior to any transloading operations.
- Hand brakes will be engaged, and wheel chocks shall be deployed for the receiving tank cars being loaded.
- A NS contractor will provide continuous air monitoring per the Air Monitoring Plan.
- Transfer fittings, hoses, and pumps shall be deployed, and leak tested with air or nitrogen at 20 pounds per square inch prior to transfer operations. Any leaks detected shall be corrected and retested to verify tightness prior to transferring liquids.
- Daily inspection of the rail tank car will be made while the tanks are being staged at the NS Lordstown Yard. Inspections will include looking for leaks, spills, or releases. If a leak, spill, or release is observed, corrective actions to address will be identified. The tank inspection forms is included in Attachment 8.
- Spill containment will be in place beneath truck off-load connections, transfer equipment, and receiving tank cars. Containment under rail cars, trucks and at connections/valves will be 4-mil HDPE (landfill liner) custom cut portable containment berms.
- Spill response equipment stored on-site during the transfers and immediately available includes absorbent pads, absorbent socks, and oil dry.

Hazardous Waste, Liquid Transfer Operations:

- Transfer procedures will follow AAR Pamphlet 34 guidelines.
- Hazardous waste transfer personnel will be in attendance during all transfer operations for monitoring conditions and rapid intervention contingency measures.
- Each rail tank car will be loaded to volumes roughly between 22,000 to 25,000 gallons each which is waste from four tank trucks (approx. 5,000 gallons per truck).
- After the transfer of hazardous waste and liquids has been completed, each transfer hose shall be safely cleared with nitrogen or compressed air back into the unloaded tank truck and/or into the receiving tank car prior to disassembly and container securements.
- The loaded tank car(s) will be placarded, secured, and prepared for shipment in accordance with USDOT regulations in 49 CFR Parts 172-174, including inspection of all valves, fittings, manway gaskets, and manway bolts.
- The hazardous materials shipping description is NA 3082 // Hazardous Waste, Liquid, N.O.S. (Vinyl Chloride Water) // 9 // PG III // RQ(U043) – HMRC 4860132.
- Security seals shall also be applied to the loaded tank cars.
- Tank car Waybilling information and Hazwaste Manifest PDFs will be submitted electronically to NS Revenue Waybilling via [natasha.ford@nscorp.com](mailto:natasha.ford@nscorp.com).
- The paper manifests must be attached to a Tank Car Inspection Worksheet for each tank car loaded. The manifests and Liquid Waste Manifest Checklist must be sent to the receiving facility for completion.

Rail Service to Texas:

- There are 122 tank cars being used in the pool of cars used to transport the wastewater to Texas.
- The tank cars are being shipped to three rail stations on the Union Pacific (UP) for further handling by VLS Texas Molecular:
  - VLS, 1050 S. FM 565, Baytown, TX 77523;
  - Henniff, 4300 N. Interstate 35 E Road, Waxahachie, TX 75165; and
  - VLS, 403 Warehouse Road, Victoria, TX 77904.
- The Environmental Compliance Manager for the off-loading is Ronidell Baluyot (732-491-6816) and Project Oversight is provided by Frank Marine (281-222-6641) and Jimmy Bracher (713-264-2833).
- The liquid will be received at the above rail yards and will be transferred back into USDOT approved trucks for transportation to the final disposal facility at 2525 Independence Parkway, South Deer Park, TX, 77536. The facility USEPA ID for Texas Molecular is TXD000719518. Transfer from the rail cars to the trucks will follow the same procedures utilized at East Palestine, OH.

Maps from East Palestine to the NSRC Lordstown Yard and maps to from each of the UP rail stations to Texas Molecular are included in Appendix C.

### 8.3.2.2 Solid Waste Transfers at NSRC Yard, Maple Heights, OH

#### Staging/Clean Box Mobilization:

- Clean EPIX specialized flat cars and boxes will be delivered to NS Maple Heights, OH Intermodal Yard (Flat cars and boxes will be stationed at Maple Heights (Cleveland, OH area) located at 5300 Greenhurst Drive, Maple Heights, OH 44137.
- Each EPIC box will be loaded onto a truck and transported from Maple Heights, OH to East Palestine, OH. At East Palestine, the intermodal box will be live loaded, placarded, and weighted. The intermodal box will then be returned to the Maple Heights Yard where it will be staged prior to being loaded onto rail.

#### Truck Route to Maple Heights IMF:

- Trucks transporting hazardous waste from the site to Maple Heights will do so in accordance with the approved transportation route procedure in this plan.
- Upon being loaded at the site, the truck will reverse route back to 5300 Greenhurst Drive, Maple Heights, OH.
- Upon arrival at Maple Heights, the EPIC boxes will not be removed from the chassis, and will be staged for loading onto flat cars.
- When the EPIC boxes are loaded, an intermodal crane will pick them up from the chassis and place them on a specialized flat car as they become available (no facility USEPA ID required as box just transferred from truck to rail car).
- The hazardous waste will not be removed from the EPIC box and placed into another container during shipment.

#### Rail Service to and from Facility:

- The containers will be staged for loading on chassies at Maple Heights but in no event will the containers be staged for more than 10 days.
- Transfer facilities can store manifested hazardous waste shipments in USDOT packages for up to 10 days without needing a hazardous waste storage permit, as described in OAC rule 3745-53-12.
- Upon placement of the boxes on the train, the movement of the boxes by rail will be in accordance with 49 CFR Part 174 – Carriage by Rail.
- As required by 49 CFR 174.9, at each location where a hazardous material is accepted for transportation or placed in a train, the carrier will inspect each rail car containing the hazardous material, at ground level, for required markings, labels, placards, securement of closures, and leakage. These inspections may be performed in conjunction with inspections required under 49 CFR Parts 215 and 232.
- The loaded intermodal/EPIC boxes are being temporarily staged at the receiving facility prior to placement on the train. This is consistent with 49 CFR 174.14, the “48-hour Rule” as recognized by the regulations and PHMSA guidance. Section 171.1(d)(1) states that the Hazardous Materials Regulations (49 CFR Parts 171-180) do not apply to “the storage of a freight container...containing hazardous material at an offeror facility prior to a carrier taking possession of the hazardous material for movement in transportation in commerce...” Per PHMSA guidance document 08-0077 the “48-hour rule is a forwarding regulation while the shipment is in transport and does not cover delivery. (Delivery requirements are outlined in §174.16). Section 174.14 (a) does not apply to intermodal transfer operations, nor does it apply to highway shipments, or residue quantities.”

- Upon placement on the train and in accordance with 49 CFR 174.14, the rail carrier must forward each shipment of hazardous materials promptly and within 48 hours (Saturdays, Sundays, and holidays excluded), after acceptance at the originating point or receipt at any yard, transfer station, or interchange point, except that where biweekly or weekly service only is performed, a shipment of hazardous materials must be forwarded on the first available train not to exceed ten days.
- The cars are placed on an interchange track after all waybill and hazardous waste manifest information are transmitted electronically to the receiving railroad. The receiving railroad continues moving those shipments in accordance with 49 CFR Parts 171 through 180.
- WCS in Andrews, TX
  - Flat cars waybilled to WCS in Andrews, TX will be interchanged in Chicago with Union Pacific Railroad to continue to the destination (rail served, direct delivery, USEPA ID Number TX988088464), where boxes will be dumped, cleaned, and returned on flat cars using the reverse route to Maple Heights, OH for reloading.

### 8.3.3 Truck Routes

Site truck traffic will consist of movement of waste to onsite storage area and truck traffic to facilitate offsite shipments. Onsite movement of waste will be limited to using East Taggart Street, North Pleasant Drive, and East Martin Street. Transportation plans documenting the designated routes for truck loading and truck transport through town will be provided to USEPA prior to offsite transport and disposal. Designated routes will take drivers out of East Palestine to the nearest highway. Approved truck routes for onsite and offsite movement and site features, such as scales and truck wash stations, are included as Appendix C:

1. Onsite Movement to Tank Farm Storage Areas
2. Onsite Route for Loading Offsite Disposal – Soil
3. Onsite Route for Loading Offsite Disposal – Water
4. Offsite Route for Soil to Clean Harbors Deer Trail, CO
5. Offsite Route for Soil to Heritage Thermal Services East Liverpool, OH
6. Offsite Route for Soil to Heritage Environmental Services Roachdale, IN
7. Offsite Route for Soil to Ross Incineration Services Grafton OH
8. Offsite Route for soil to NS Railyard Maple Heights, OH for disposal at Waste Control Specialists, TX
9. Offsite Route for Water to Texas Molecular Deer Park, TX
10. Offsite Route for Water to Vickery Environmental Vickery, OH
11. Offsite Route for Water to NS Lordstown Railyard, OH for disposal at Texas Molecular, TX
12. Offsite Route for Soil to Clean Harbor Deer Park, TX

NS or their designated contractor will work with the disposal facilities to determine if a designated route is needed for incoming loads.

## 8.4 Manifested Load Tracking

Daily reports are being provided to NS, USEPA, FRA and the onsite contractors documenting all manifested loads, the receiving facilities and waste transporters, including USEPA ID numbers. Additionally total volume and

available storage capacity is also provided in the daily reports. An example of the daily deliverable is provided in Attachment 5.

Arcadis is tracking receipt of the final manifests to ensure all manifests are received within 30 days of the load leaving the site. Exception reporting will be completed, if necessary and copies will be submitted to NS, USEPA, and OEPA.

## 9 Training

According to OSHA standard 29 CFR Part 1910.120, HAZWOPER training is required for any workers who perform cleanup, emergency response, or corrective actions that involve the uncontrolled release of hazardous substances. All employees involved in remedial activities and management of hazardous waste must have current HAZWOPER training. Training certificates must be maintained in the project files and be available upon request. These requirements should also be documented in the Contractor's site-specific Health and Safety Plan.

Arcadis personnel responsible for any hazardous waste task, including sampling, profiling, signing manifests, labelling, moving drums to storage, etc., will have RCRA hazardous waste training. Additional site-specific hazardous waste management training and emergency spill response training will be completed prior to management of any hazardous waste.

Arcadis personnel who are tasked with any packing and shipping samples, or signing waste manifests will have current USDOT hazardous materials transportation training per 49 CFR § 172.704.

Arcadis field personnel will comply with client-specific PPE requirements as determined by the Project Health and Safety Manager based on known and/or anticipated contaminants. Prior to opening any waste containers, field staff will check with the Health and Safety Manager regarding required PPE, respirator use, and other safety equipment.

## 10 Recordkeeping

NS will maintain records in accordance with Section XV of the UAO and will provide to USEPA and the States, upon request, copies of all records, reports, documents, and other information (including records, reports, documents, and other information in electronic form. All records will be available to USEPA (Section XIV of UAO; USEPA 2023). Records will be maintained in hard copy and electronic format.

Arcadis will maintain cradle to the grave records associated with the management, transportation, and disposal of waste generated at the site. These records may include but are not limited to the following:

- Waste generation logs (Record of Waste Counting);
- Waste Profile Packages (Waste profiles, analytical, approval letters);
- Waste transportation and disposal logs;
- Shipping papers (hazardous and non-hazardous manifests) and LDR documentation;
- Certificates of Disposal; and
- Manifest Exception Reporting.

A separate transportation and disposal log will be maintained that documents the offsite disposal. An example log is provided as Attachment 4. At a minimum, the transportation and disposal log will include the following:



- Date shipped offsite;
- Date received at the disposal facility;
- Waste name;
- Name of disposal facility;
- Profile approval number;
- Transporter name;
- Volume shipped (manifested volume); and
- Volume received (weight ticket).

All waste records will be maintained in the project files for a minimum of 10 years.

## 11 References

- OEPA. 2000. Consolidation of Hazardous Contaminated Soils Regulated Under RCRA at VAP Sites. February.
- OEPA. 2020. Hazardous Waste Evaluation and Use of Generator Knowledge in Complying with OAC rule 3745-52-11. Available at <https://epa.ohio.gov/static/Portals/32/pdf/GeneratorKnowledge6.pdf>, October.
- USEPA. 1996. Use of the Area of Contamination (AOC) Concept During RCRA Cleanups. Office of Solid Waste and Emergency Response. March 5.
- USEPA. 1998. Management of Remediation Waste Under RCRA. EPA530-F-98-026. Available at <https://www.epa.gov/sites/default/files/2013-10/documents/remediawaste-rpt.pdf>. October.
- USEPA. 2023. Unilateral Administrative Order for Removal Actions (UAO) (CERCLA Docket No. V-W-23-C-004).



# Tables

**Table 1 - Regulations Applicable to Waste Types and Storage Location**

Waste Name	Location	Type of Unit	Applicable Regulations	How TU Requirements Will Be Met
Hazardous Waste, Solid (U043) - Soil, < UTS - Soil, < 10X UTS - Soil, > 10X UTS	Staging Piles 1, 2, 3, 4 and 5 in the AOC Container Storage Areas: Tank Farms 5 & 6 and WWTP	Stockpile within Area of Contamination (AOC) Corrective Action Temporary Unit (TU) – container storage areas	AOC – see note 2 TU - 40 CFR 264.553/ OAC 3745- 57-73	See Table 2
Hazardous Waste, Solid (U043, ACM) - ACM, Debris and Soil	Container Storage Area: Tank Farm 5	TU – container storage area	TU - 40 CFR 264.553/ OAC 3745- 57-73	See Table 2
Hazardous Waste, Solid (U043) - Debris < UTS - Debris and Soil, < UTS	Container Storage Areas: Tank Farms 5 & 6 and WWTP	TU – container storage area	TU - 40 CFR 264.553/ OAC 3745- 57-73	See Table 2
Hazardous Waste, Solid (U043) - Debris > UTS - Debris and Soil, > UTS	Container Storage Areas: Tank Farm 5 & 6 and WWTP	TU – container storage area	TU - 40 CFR 264.553/ OAC 3745- 57-73	See Table 2
Hazardous Waste, Solid (U043) - Waste <sup>1</sup> and Debris (< 60 mm), < UTS	Container Storage Areas: Tank Farm 5 & 6 and WWTP	TU – container storage area	TU - 40 CFR 264.553/ OAC 3745- 57-73	See Table 2
Hazardous Waste, Liquid (U043) - Surface Water, Storm water, groundwater	Temporary Storage Tanks in Tank Farms: 2, 3, 4, 5, 6 and WWTP Modular Tanks in Tank Farm 1	TU – Tanks and Container Storage Areas	TU - 40 CFR 264.553/ OAC 3745- 57-73	See Table 2
Hazardous Waste, Liquid (U043) - Decontamination Water	Temporary Storage Tanks in Tank Farms: 4, 6	TU – Tanks	TU - 40 CFR 264.553/ OAC 3745- 57-73	See Table 2
Non-Hazardous Water (requires approved CID)	Temporary Storage Tanks in Tank Farms: 2	NA	Industrial Wastewater - ORC 6111	NA
Municipal Trash (non-impacted waste)	Container Storage Areas: Tank Farm 5 & 6 and WWTP	NA	Solid Waste – OAC 3745-27	NA

**Acronyms:**

ACM = Asbestos Containing Material  
AOC = Area of Contamination  
CID = Contained-In Determination  
EPA = Environmental Protection Agency

OEPA = Ohio Environmental Protection Agency  
UTS = Universal Treatment Standard  
WWTP = East Palestine Waste Water Treatment Plant

**Notes**

1. Waste and Debris < 60 mm includes street sweepings and plastic pellets
2. AOC policy is not codified in the regulations but has been adopted as policy by USEPA

**Table 2 - Regulatory Requirements for Temporary Units**

Requirements for Temporary Unites (TUs)	Regulation	How Requirements Will Be Met
<b>Labelling</b>	40 CFR 262.15(a)(5) OAC rule 3745-52-17(A)(5) Ohio Admin. Code 1301:7-7-50	All waste containers and tanks will be labelled with, at a minimum, the words "hazardous waste" and an indication of the hazard. All Staging piles must be identified by signs. Modular tanks will be equipped with NFPA labels. Containers, tanks and staging piles with missing or damaged labels/sign will be relabeled. All signs and labels will be properly maintained (Section 3.2.3 of Waste Management Plan).
<b>Container Storage Areas</b>	40 CFR 262.17(a)(1) OAC 3745-55-70 to 55-78	
Condition of containers.		All containers and tanks will be maintained in good condition, with no leaks, corrosion, rust, or bulges. If a container or tank is not in good condition or is leaking, transfer the waste into a container that is in good condition (Section 3.2.3 of Waste Management Plan).
Compatibility of waste with containers.		Each waste stream will be stored in a different container, tank or staging pile that is compatible with the waste contained (Section 3.2.3 of Waste Management Plan).
Management of containers.		Waste containers will be kept closed and staging piles will be covered unless waste is actively being added to the container. All containers will be transported to the storage area, handled, and stored in a manner to prevent them from rupturing and to prevent the waste from leaking or spilling (Section 3.2.3 of Waste Management Plan).
Inspections- containers.		At a minimum, TUs and staging piles will undergo daily visual inspection. Inspections will be documented on the Daily Inspection Form (Section 3.2.3 of Waste Management Plan).
Containment.		TUs (containers and tanks) and staging piles will be placed on secondary containment and the secondary containment will be maintained in accordance with the Secondary Containment Standard Operating Procedures (Section 3.2.3 of Waste Management Plan).
Special requirements for ignitable or reactive waste.		NA - no ignitable or reactive wastes onsite.
Special requirements for incompatible wastes.		NA - no incompatible wastes being generated.
Closure.	40 CFR 262.17(a)(8)	Notification of Closure will be provided upon removal of TUs. Data obtained from the <i>Characterization and Remediation Work Plan for Derailment - Area Soil</i> will be used to demonstrate compliance with Closure performance standards Temporary Units (container storage areas and tank systems).
<b>Tank systems</b>	40 CFR 264 (subpart J) OAC rule 3745-55-90 to 55-99	
Assessment of existing tank systems integrity.		Not applicable to this derailment Site, no existing tank systems were in place prior to the derailment.

**Table 2 - Regulatory Requirements for Temporary Units**

Requirements for Temporary Unites (TUs)	Regulation	How Requirements Will Be Met
Design and installation of new tank systems or components.		Only pre-manufactured temporary storage tanks and modular tanks will be used as TUs to store hazardous waste. All tanks (temporary storage tanks and modular tanks) and containers (roll-off boxes, vacuum boxes, drums, totes) are constructed of high quality steel and are constructed according to recognized engineering standards.
Containment and detection of releases.		<p>Farms 5 and 6 have HDPE liner covering the entire storage area with additional HDPE installed under the temporary storage tanks. Rig mats have been placed over the liner to prevent punctures. A containment berm was created using hay bale berms overlain by HDPE liner.</p> <p>Tank Farms 2 and 3, Stand by Tank Farms 2 and 3 and the waste water treatment plant have individual HDPE liners installed under each temporary tank and container storage area.</p> <p>Both Modular tanks were installed within a single secondary containment consisting of an impermeable liner (120 mil Linear Low-Density Polyethylene (LLDPE) liner manufactured by ATARFIL), steel sheet piles, and earthen berms. Modular tanks are equipped with visual and audible high-level alarms will be installed on each tank. All tank inflow pumps will be programmed to automatically shut down when the tank level reaches the maximum usable capacity as indicated by the first level alarm.</p> <p>Tank Farms are monitored 24/7 by personnel gauging tanks and providing oversight of offloading/loading operations. Release detection for temporary tanks is limited to visual inspection and observation.</p>
General operating requirements.		For modular tanks the loading and offloading procedures and tank system operations is provided in the <i>Modular Tank Summary Sheet (April 7, 2023, Arcadis)</i> General operating requirements for temporary storage tanks are provided by the manufacturer.
Inspections - tank systems.		All tanks and tank systems will be inspected daily, at a minimum.
Response to leaks or spills and disposition of leaking or unfit for use tank systems.		See section 7 of Waste Management Plan for emergency response procedures and notifications in accordance with UAO.
Closure and post-closure care.		Notification of Closure will be provided upon removal of TUs. Data obtained from the Characterization and Remediation Work Plan for Derailment - Area Soil will be used to demonstrate compliance with Closure performance standards Temporary Units (container storage areas and tank systems).

**Table 2 - Regulatory Requirements for Temporary Units**

Requirements for Temporary Unites (TUs)	Regulation	How Requirements Will Be Met
Special requirements for ignitable waste or reactive waste - tank systems.		NA - no ignitable or reactive waste have been generated from remedial activities.
Special requirements for incompatible wastes.		NA - no incompatible wastes have been generated.

# Figures

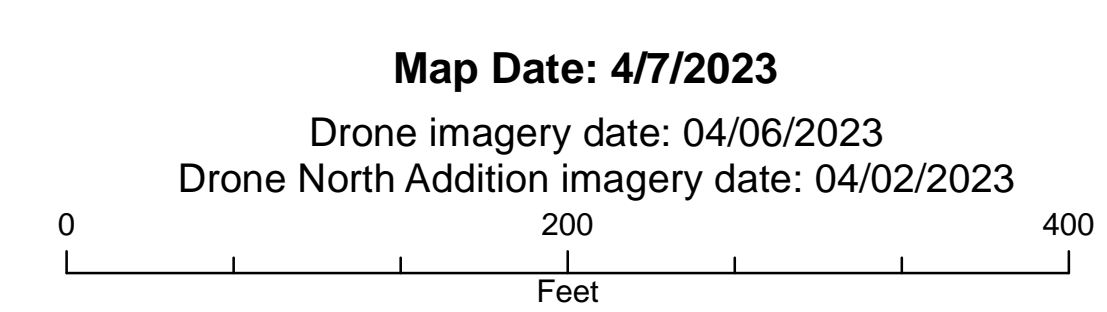




**Legend**

Incident Location	Water Bypass	Waste Manifesting Trailer	Beer Cars
Completed Monitoring Well	Waste Staging	Tank Farm	North Ditch
Proposed Monitoring Well	Standby Tank Areas	VC (Area 1)	South Ditch
Right-Of-Way Excavation Footprint	Roll Off Staging Area	Butyl Solidification/Excavation	Stormwater Treatment Area
Stormwater Catch Basin	South Ditch Basin	Area 3	County/State Boundary
Containment Feature	Burn Pit	Car Scrapping	Expanded Waste Staging Areas

**DRAFT**  
 Attorney-Client Privilege/Attorney Work Product/  
 Prepared at the Direction of Counsel



NORFOLK SOUTHERN  
 EAST PALESTINE, OHIO

**ONSITE FEATURES**

**ARCADIS**

FIGURE  
**2**



# Attachment 1

**Safety Data Sheets**

# SAFETY DATA SHEET

M9192 - North America - EN



---

## VINYL CHLORIDE (MONOMER)

SDS No.: M9192

Rev. Date: 30-Nov-2020

---

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

---

<b>Company Identification:</b>	Oxy Vinyls, LP 14555 Dallas Parkway, Suite 400 Dallas, Texas 75254-4300
<b>24 Hour Emergency Telephone Number:</b>	1-800-733-3665 (USA); CANUTEC (Canada): 1-613-996-6666; CHEMTREC (within USA and Canada): 1-800-424-9300; CHEMTREC (outside USA and Canada): +1 703-527-3887; CHEMTREC Contract No: CCN16186
<b>To Request an SDS:</b>	MSDS@oxy.com or 1-972-404-3245
<b>Customer Service:</b>	1-800-752-5151 or 1-972-404-3700
<b>Product Identifier:</b>	<b>VINYL CHLORIDE (MONOMER)</b>
<b>Synonyms:</b>	VCM; Monochloroethylene; Chloroethene; Ethylene, chloro-; Vinyl chloride monomer
<b>Product Use:</b>	PVC Manufacturing
<b>Uses Advised Against:</b>	Aerosol propellant.
<b>Restrictions on Use (United States):</b>	FOR INDUSTRIAL USE ONLY.
<b>Restrictions on Use (EU):</b>	In accordance with Article XVII of the regulation, vinyl chloride should not be used as an aerosol propellant.
<b>Other Global Restrictions on Use:</b>	FOR USE IN INDUSTRIAL INSTALLATIONS ONLY. Other restrictions on use based on local, regional, or national regulations may exist and must be determined on a case-by-case basis.

---

**VINYL CHLORIDE (MONOMER)**

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

**SECTION 2. HAZARDS IDENTIFICATION**

**OSHA REGULATORY STATUS:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

\*\*\*\*\*

**EMERGENCY OVERVIEW:**

**Color:** Colorless  
**Physical State:** Compressed, liquefied gas  
**Odor:** Sweet

**Signal Word:** **DANGER**

**MAJOR HEALTH HAZARDS:** CONTAINS VINYL CHLORIDE, A KNOWN HUMAN CANCER AGENT. CONTACT WITH LIQUID MAY CAUSE FROSTBITE TO EXPOSED TISSUE. MAY PRODUCE SYMPTOMS OF CENTRAL NERVOUS SYSTEM DEPRESSION INCLUDING HEADACHE, DIZZINESS, NAUSEA, LOSS OF BALANCE AND DROWSINESS. MAY CAUSE RESPIRATORY IRRITATION. CAUSES DAMAGE TO THE NERVOUS SYSTEM, MUSKOSKELETAL SYSTEM, LYMPHATIC SYSTEM AND RESPIRATORY SYSTEM THROUGH PROLONGED OR REPEATED EXPOSURE. SUSPECTED OF CAUSING GENETIC DEFECTS. MAY CAUSE CANCER. THIS MATERIAL IS A POTENTIAL ENDOCRINE DISRUPTOR.

**PHYSICAL HAZARDS:** MAY MASS EXPLODE IN FIRE. EXTREMELY FLAMMABLE GAS. CONTAINS GAS UNDER PRESSURE, MAY EXPLODE IF HEATED. POLYMERIZATION CAN OCCUR.

**PRECAUTIONARY STATEMENTS:** Keep away from heat/ sparks/ open flames/ hot surfaces - No smoking. Requires stabilizer to prevent potential dangerous polymerization. Keep only in original container or container compatible with product (see Section 7 - Safe Storage Conditions). Ground/ bond container and receiving equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye, and face protection.

\*\*\*\*\*

**HAZARD CLASSIFICATION:**

<b>GHS: PHYSICAL HAZARDS:</b>	Flammable Gas - Cat. 1 Extremely Flammable Gas Under Pressure - Liquefied Explosive - Division 1.5
<b>GHS: TARGET ORGAN TOXICITY (SINGLE EXPOSURE):</b>	Category 3 - May cause respiratory tract irritation Category 3 - May cause drowsiness or dizziness
<b>GHS: TARGET ORGAN TOXICITY (REPEATED EXPOSURE):</b>	Category 1 - Causes damage to the nervous system, musculoskeletal system, lymphatic system and respiratory

**VINYL CHLORIDE (MONOMER)**

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

	system through prolonged or repeated exposure
<b>GHS: CARCINOGENICITY:</b>	Category 1A - May cause cancer
<b>GHS: GERM CELL MUTAGENICITY:</b>	Category 2 - Suspected of causing genetic defects

**GHS SYMBOL:** Flame, Gas cylinder, Exclamation mark, Health hazards**GHS SIGNAL WORD:** DANGER**GHS HAZARD STATEMENTS:****GHS - Physical Hazard Statement(s)**

- May mass explode in fire
- Extremely flammable gas
- Contains gas under pressure; may explode if heated

**GHS - Health Hazard Statement(s) -**

- May cause respiratory irritation
- May cause drowsiness or dizziness
- Suspected of causing genetic defects
- May cause cancer
- May cause damage to organs through prolonged or repeated exposure: (nervous system, musculoskeletal system, lymphatic system, respiratory system)

**GHS - Precautionary Statement(s) - Prevention**

- Keep away from heat/sparks/open flames/hot surfaces - No smoking
- Stabilize with a polymerization inhibitor (e.g. p-Methoxyphenol [Hydroquinone Monomethyl Ether]) or purging to remove oxygen
- Keep only in original container or container compatible with product (see Section 7 - Safe Storage Conditions)
- Ground/ bond container and receiving equipment
- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Do not breathe dust/fume/gas/mist/vapors/spray
- Use personal protective equipment as required
- Wear protective gloves/protective clothing/eye protection/face protection
- Wash thoroughly after handling
- Do not eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area

**GHS - Precautionary Statement(s) - Response**

- Leaking gas fire: Do not extinguish, unless leak can be stopped safely
- Eliminate all ignition sources if safe to do so
- IF INHALED: Remove person to fresh air and keep comfortable for breathing
- IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
- IF exposed or concerned: call a POISON CENTER or doctor/physician

# VINYL CHLORIDE (MONOMER)

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

**GHS - Precautionary Statement(s) - Storage**

- Store in accordance with manufacturer's recommendations (See Section 7 of the SDS)
- Store in a well-ventilated place. Keep container tightly closed
- Protect from sunlight
- Store in a secure manner

**GHS - Precautionary Statement(s) - Disposal**

- Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations

**Physical Hazards Not Otherwise Classified**

- Polymerization can occur

**Hazard Not Otherwise Classified (HNOC)-Health**

- Repeat occupational exposure to Vinyl Chloride have been associated with Raynaud syndrome and associated scleroderma-like skin changes on the hands
- Direct contact with liquid or rapidly expanding gas may cause frostbite to contacted tissue (eyes, skin, etc.)
- Vinyl Chloride is listed on The Endocrine Disruptors Exchange's (TEDX) List of Potential Endocrine Disruptors database of chemicals with the potential to affect the endocrine system. Every chemical on the TEDX List has one or more verified citations published, accessible, primary scientific research demonstrating effects on the endocrine system
- May displace oxygen and cause rapid suffocation

**See Section 11: TOXICOLOGICAL INFORMATION**

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percent [%]
Vinyl Chloride	75-01-4	99 - 100

## SECTION 4. FIRST AID MEASURES

**INHALATION:** If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration or pulse has stopped, have a trained person administer basic life support (Cardio-Pulmonary Resuscitation and/or Automatic External Defibrillator) and CALL FOR EMERGENCY SERVICES IMMEDIATELY.

**SKIN CONTACT:** If frostbite or freezing occur, immediately flush with plenty of lukewarm water (100-105 °F, 38-41 °C). GET MEDICAL ATTENTION IMMEDIATELY.

**EYE CONTACT:** Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential

## VINYL CHLORIDE (MONOMER)

SDS No.: M9192  
Supersedes Date: 2015-06-April

Rev. Date: 30-Nov-2020

---

to achieve maximum effectiveness. GET MEDICAL ATTENTION IMMEDIATELY.

**INGESTION:** Not a likely route of exposure in occupational environment.

### **Most Important Symptoms/Effects (Acute and Delayed):**

#### **Acute Symptoms/Effects:**

**Inhalation (Breathing):** Respiratory Tract Irritation: rhinitis, scratchy throat, cough, sore throat, runny nose, wheezing, difficulty breathing (dyspnea). Inhalation of this material may cause central nervous system depression (narcotic effects).

**Skin:** Skin Irritation. If spilled on skin, rapid evaporation can cause local frostbite with redness, blistering, and scaling.

**Eye:** Eye Irritation. Rapid evaporation can cause local frostbite with corneal and conjunctival irritation or burns. High concentrations of vapor can cause eye irritation.

**Ingestion (Swallowing):** Ingestion is not a likely route of exposure.

**Other Health Effects:** Narcotic Effects (Central Nervous System Depression): Ataxia or dizziness, drowsiness or fatigue, loss of consciousness, headache, euphoria and irritability, visual or hearing disturbances, nausea, memory loss.

#### **Delayed Symptoms/Effects:**

- Carcinogen: Long term significant occupational overexposure to VCM has been associated with a specific cancer (angiosarcoma of the liver) and is associated with hepatocellular cancer
- Suspected mutagen and suspected of causing reproductive damage
- Repeated exposure can damage the skin (scleroderma), bones (acro-osteolysis) and blood vessels in the hand (Raynaud's Syndrome)
- Scleroderma is characterized by a hardening and tightening of patches of skin
- Raynaud's syndrome is characterized by an exaggerated response to cold temperatures or emotional distress, which can cause numbness, pain or color changes in the fingers or toes

**Protection of First-Aiders:** Protect yourself by avoiding contact with this material. Direct contact with liquid may cause frostbite to exposed tissue (eyes, skin, etc.). Use personal protective equipment (PPE). Refer to Section 8 for specific PPE recommendations. At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

**Notes to Physician:** There is no specific antidote. Treat symptoms with supportive care. Cardiac stimulants such as epinephrine should be avoided in persons overexposed to chlorinated hydrocarbons.

**Interaction with Other Chemicals Which Enhance Toxicity:** Alcohol may enhance toxic effects.

**Medical Conditions Aggravated by Exposure:** Alcoholic Liver Disease. Infectious Hepatitis. Cirrhosis.

---

## SECTION 5. FIRE-FIGHTING MEASURES

---

**Fire Hazard:** Severe fire hazard. Vapor/air mixtures are explosive. Vapors or gases may ignite at distant sources and flash back. Containers may rupture or explode if exposed to heat.

---

## VINYL CHLORIDE (MONOMER)

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

---

**Extinguishing Media:** Stop flow of gas before extinguishing fire. Use carbon dioxide, regular dry chemical, foam or water. Use water spray to keep containers cool.

**Fire Fighting:** If material on fire or involved in fire: Do not extinguish fire unless flow can be stopped. Use water in flooding quantities as fog. Cool all affected containers with flooding quantities of water. Apply water from as far a distance as possible. For fires in cargo or storage area: Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. If this can't be done, then take the following precautions: Keep unnecessary people away, isolate hazard area and deny entry. Let the fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For tank, rail car or tank truck: Stop leak if possible without personal risk. Let burn unless leak can be stopped immediately. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode.

**Hazardous Combustion Products:** Oxides of carbon; Hydrogen chloride; Phosgene

**Sensitivity to Mechanical Impact:** Not sensitive.

**Sensitivity to Static Discharge:** Electrostatic charges may build up during handling and may form ignitable vapor-air mixtures in storage containers. Ground equipment in accordance with industry standards and best practices such as NFPA 77 [Recommended Practices on Static Electricity (2007)] and American Petroleum Institute (API) RP Recommended Practice 2003 [Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents (2008)].

**Lower Flammability Level (air):** 3.6%

**Upper Flammability Level (air):** 33.0%

**Flash point:** -108 °F (-78 °C)

**Auto-ignition Temperature:** 882 °F (472 °C)

**GHS: PHYSICAL HAZARDS:**

- Flammable Gas - Cat. 1 Extremely Flammable
- Gas Under Pressure - Liquefied
- Explosive - Division 1.5

**Physical Hazards Not Otherwise Classified**

- Polymerization can occur
- 

## SECTION 6. ACCIDENTAL RELEASE MEASURES

---

**Personal Precautions:** Isolate hazard area and deny entry. Keep unnecessary and unprotected persons away. Eliminate all sources of heat and ignition. Ventilate closed spaces before entering. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS. Refer to Section 7, Handling and Storage, for additional precautionary measures.

**Environmental Precautions:** Keep out of water supplies and sewers. Releases should be reported, if required,

---



## VINYL CHLORIDE (MONOMER)

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

---

to appropriate agencies.

**Methods and Materials for Containment, Confinement, and/or Abatement:** Remove sources of ignition. Ventilate closed spaces before entering. Stop leak if possible without personal risk. Vapors or gases may ignite at distant ignition sources and flash back. See Section 13, Disposal considerations, for additional information.

---

## SECTION 7. HANDLING AND STORAGE

---

### Handling:

**Precautions for Safe Handling:** Avoid breathing vapor or mist. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and flame. Ground any equipment used in handling. Use non-sparking tools and equipment. All energized electrical equipment must be designed in accordance with the electrical classification of the area.

**Technical measures/precautions:** Do not allow liquid Vinyl Chloride to be trapped between closed valves, resulting in extremely high pressure, which could result in a gasket or line leak.

**Other precautions:** Simple Asphyxiant - May displace oxygen and cause rapid suffocation.

**Prevention of contact:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye, and face protection.

### Storage:

**Safe Storage Conditions:** Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Store in a cool, dry area. Store in a well-ventilated area. Do not enter confined spaces unless adequately ventilated. Avoid heat, flames, sparks and other sources of ignition. May be subject to storage regulations: U.S. OSHA 29 CFR 1910.106. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

**Technical measures:** An unstable polyperoxide may be formed in Vinyl Chloride through oxidation by atmospheric oxygen in the presence of any of a variety of contaminants. Storage under these conditions for a long period increases the concentration of unstable polyperoxide to hazardous levels.

**Incompatible Substances:** Oxidizing agents, oxides of nitrogen, metals, aluminum, aluminum alloys, copper, metal alkyl complexes and alkali metals such as sodium, potassium and their alloys.

**Packaging Material:** Containers of Vinyl Chloride shall be legibly labeled either: VINYL CHLORIDE: EXTREMELY FLAMMABLE GAS UNDER PRESSURE: CANCER SUSPECT AGENT or with the additional legend, CANCER-SUSPECT AGENT applied near the label or placard. 29 CFR 1910.1017. Procedures for the handling, use, and storage of cylinders should comply with OSHA 1910.101 and 1910.169, as with the recommendations of the Compressed Gas Association. A regulated, marked area should be established where this chemical is handled, used, or stored in compliance with OSHA Standard 1910.1045.

### GHS: PHYSICAL HAZARDS:

- Flammable Gas - Cat. 1 Extremely Flammable
  - Gas Under Pressure - Liquefied
-

**VINYL CHLORIDE (MONOMER)**

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

- Explosive - Division 1.5

**Physical Hazards Not Otherwise Classified**

- Polymerization can occur

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****REGULATORY EXPOSURE LIMIT(S):**

See 29 CFR 1910.1017 (OSHA's regulatory standard for Vinyl Chloride) for additional requirements when 8-hour action level (0.5 ppm TWA) is exceeded. Listed below for the product components that have regulatory occupational exposure limits (OEL's).

Component	OSHA Final PEL TWA	OSHA Final PEL STEL	OSHA Final PEL Ceiling
Vinyl Chloride 75-01-4 (99 - 100 %)	1 ppm	5 ppm	-----

**OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit**

Component	Canada - TWAs	Canada - STELs	Canada - Ceilings
Vinyl Chloride 75-01-4 (99 - 100 %)	Ontario - 1 ppm (TWA) Alberta - 1 ppm (TWA) Alberta - 2.6 mg/m <sup>3</sup> (TWA) British Columbia - 1 ppm (TWA)	-----	-----

**NON-REGULATORY EXPOSURE LIMIT(S):**

Listed below are the product components that have advisory (non-regulatory) occupational exposure limits (OEL's) established.

Component	ACGIH TWA	ACGIH STEL	ACGIH Ceiling	Skin Absorption - ACGIH	OSHA TWA (Vacated)	OSHA STEL (Vacated)	OSHA Ceiling (Vacated)
Vinyl Chloride 75-01-4 (99 - 100 %)	1 ppm	-----	-----	-----	-----	-----	-----

- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.

**ENGINEERING CONTROLS:** Use closed systems when possible. Provide local exhaust ventilation where vapor may be generated. Ensure compliance with applicable exposure limits.

## VINYL CHLORIDE (MONOMER)

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

### PERSONAL PROTECTIVE EQUIPMENT:

**Eye Protection:** Wear safety glasses with side-shields. If eye contact is likely, wear chemical resistant safety goggles. Provide an emergency eyewash fountain and quick drench shower in the immediate work area.

**Skin and Body Protection:** Wear appropriate chemical resistant clothing.

**Hand Protection:** Wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

**Protective Material Types:** Butyl rubber, Nitrile, Silver Shield®, Viton®

**Respiratory Protection:** Refer to 29 CFR 1910.1017 for selection of respirators for vinyl chloride. A respiratory protection program that meets applicable regulatory requirements must be followed whenever workplace conditions warrant use of a respirator.

**HYGIENE MEASURES:** Obtain proper training prior to use.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Compressed, liquefied gas
<b>Color:</b>	Colorless
<b>Odor:</b>	Sweet
<b>Molecular Weight:</b>	62.5
<b>Molecular Formula:</b>	C <sub>2</sub> H <sub>3</sub> Cl
<b>pH:</b>	Not applicable
<b>Melting Point/Range:</b>	-244.82 (°F)
<b>Freezing Point/Range:</b>	No data available
<b>Flash point:</b>	-108 °F (-78 °C)
<b>Vapor Pressure:</b>	2660 mmHg @ 25 °C
<b>Vapor Density (air=1):</b>	2.15
<b>Relative Density/Specific Gravity (water=1):</b>	0.91 @ 25/25 °C
<b>Water Solubility:</b>	2.7 g/L
<b>Partition Coefficient (n-octanol/water):</b>	Log Kow = 1.36
<b>Auto-ignition Temperature:</b>	882 °F (472 °C)
<b>Decomposition Temperature:</b>	Not applicable
<b>Odor Threshold [ppm]:</b>	Not reliable to prevent excessive exposure
<b>Evaporation Rate (ether=1):</b>	>15
<b>VOC Content (%):</b>	100%
<b>Volatility:</b>	100%
<b>Flammability (solid, gas):</b>	No data available
<b>Lower Flammability Level (air):</b>	3.6%
<b>Upper Flammability Level (air):</b>	33.0%
<b>Viscosity:</b>	Not applicable

## VINYL CHLORIDE (MONOMER)

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

### SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability:** Generally stable at normal temperatures and pressures; however, may violently polymerize or generate other hazardous conditions when not stabilized and/or stored correctly.

**Reactivity:** Explosive or violent polymerization can occur when exposed to air, sunlight, or excessive heat if not properly stabilized. Polymerizes exothermically in the presence of light, air, oxygen or catalyst. Reacts with the following incompatible materials and create a strong exothermic reaction: oxygen, moisture, polymerization additives, copper, aluminum, oxidizing agents, strong alkalis, and strong acids. Reacts with air to form peroxides. Shock sensitive compounds may be formed.

**Possibility of Hazardous Reactions:** In addition to violent polymerization, Vinyl Chloride may also react with organic peroxides, strong bases, and oxidizing agents resulting in potential heat generation, fire, and/or explosion. At 15°C – 208°C ultraviolet (UV) can initiate a reaction between VCM with excessive oxygen, to produce peroxides (e.g. polyperoxides, polyvinyl peroxides) which can automatically ignite on their own to create an explosive condition under extreme heat or impact. Peroxides may also cause uncontrollable polymerization reactions at high concentrations or temperatures. Further heating to 358°C causes peroxides to decompose to formaldehyde, carbon monoxide and hydrogen chloride.

**Conditions to Avoid (e.g., static discharge, shock, or vibration):** Electrostatic charges may build up during handling and may form ignitable vapor-air mixtures in storage containers. Ground equipment in accordance with industry standards and best practices such as NFPA 77 [Recommended Practices on Static Electricity (2007)] and American Petroleum Institute (API) RP Recommended Practice 2003 [Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents (2008)]. Avoid air and sunlight. Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.

**Incompatible Substances:** Oxidizing agents, oxides of nitrogen, metals, aluminum, aluminum alloys, copper, metal alkyl complexes and alkali metals such as sodium, potassium and their alloys.

**Hazardous Decomposition Products:** Oxides of Carbon, Chlorine, Hydrogen chloride, Phosgene.

**Hazardous Polymerization:** Polymerization can occur. Exposure to the following conditions or mixtures with the following elements and materials can cause explosive or violent polymerization of VCM: Air, Sunlight, Excessive heat, Oxidizers, Catalytic metals, such as copper, aluminum and their alloys and certain catalytic impurities. Avoid elevated temperatures, oxidizing agents, oxides of nitrogen, oxygen, peroxides, other polymerization catalysts/initiators, air and sunlight.

### SECTION 11. TOXICOLOGICAL INFORMATION

\*\*\*\*\*

#### POTENTIAL HEALTH EFFECTS:

##### ACUTE TOXICITY:

**Eye contact:** Causes eye irritation. Rapid evaporation of the material may cause frostbite.

**Skin contact:** Causes skin irritation. Rapid evaporation of the material may cause frostbite.

## VINYL CHLORIDE (MONOMER)

SDS No.: M9192  
 Supersedes Date: 2015-06-April

Rev. Date: 30-Nov-2020

**Inhalation:** May cause respiratory tract irritation. Several minutes of exposure to high, but attainable concentrations (over 1000 ppm) may cause difficulty breathing, central nervous system depression and symptoms such as: ataxia or dizziness, drowsiness or fatigue, loss of consciousness, headache, euphoria and irritability, visual and or hearing disturbances, nausea, memory loss. Prolonged, high concentration exposures may cause unconsciousness or death. Cardiac: Acute intoxication may cause irregular heartbeats.

**Ingestion:** Not a likely route of exposure in occupational settings.

**CHRONIC TOXICITY:**

**Chronic Effects:** Chronic exposure to Vinyl Chloride monomer (VCM) may cause damage to the nervous system, respiratory system, musculoskeletal system, and lymphatic system. Occupational overexposure has produced a specific cancer (angiosarcoma of the liver) and is associated with hepatocellular cancer. Repeated prolonged exposure may damage: skin (scleroderma), bones (acro-osteolysis), blood vessels in the hands (Raynaud's Syndrome). Suspected of causing genetic defects. Suspected of damaging fertility or the unborn child. Reproductive effects and testes damage occurred in rats exposed to vinyl chloride. These endpoints, however, were generally noted at concentrations greater than those necessary to cause liver damage.

**SIGNS AND SYMPTOMS OF EXPOSURE:**

**Inhalation (Breathing):** Respiratory Tract Irritation: rhinitis, scratchy throat, cough, sore throat, runny nose, wheezing, difficulty breathing (dyspnea). Inhalation of this material may cause central nervous system depression (narcotic effects).

**Skin:** Skin Irritation. If spilled on skin, rapid evaporation can cause local frostbite with redness, blistering, and scaling.

**Eye:** Eye Irritation. Rapid evaporation can cause local frostbite with corneal and conjunctival irritation or burns. High concentrations of vapor can cause eye irritation.

**Ingestion (Swallowing):** Ingestion is not a likely route of exposure.

**Other Health Effects:** Narcotic Effects (Central Nervous System Depression): Ataxia or dizziness, drowsiness or fatigue, loss of consciousness, headache, euphoria and irritability, visual or hearing disturbances, nausea, memory loss.

**Interaction with Other Chemicals Which Enhance Toxicity:** Alcohol may enhance toxic effects.

\*\*\*\*\*

**GHS HEALTH HAZARDS:**

**GHS: TARGET ORGAN TOXICITY (SINGLE EXPOSURE):** Category 3 - May cause respiratory tract irritation  
 Category 3 - May cause drowsiness or dizziness

**GHS: TARGET ORGAN TOXICITY (REPEATED EXPOSURE):** Category 1 - Causes damage to the nervous system, musculoskeletal system, lymphatic system and respiratory system through prolonged or repeated exposure

**GHS: CARCINOGENICITY:** Category 1A - May cause cancer

**GHS: GERM CELL MUTAGENICITY:** Category 2 - Suspected of causing genetic defects

**TOXICITY DATA:**

**PRODUCT TOXICITY DATA:** Data is from studies conducted internally.

<b>LD50 Oral:</b> > 4,000 mg/kg oral-rat LD50	<b>LD50 Dermal:</b> -----	<b>LC50 Inhalation:</b> -----
--	------------------------------	----------------------------------

**COMPONENT TOXICITY DATA:** The component toxicity data is populated by the LOLI database and may differ

**VINYL CHLORIDE (MONOMER)**

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

from the product toxicity data given.

Component	Oral LD50	Dermal LD50	Inhalation LC50
Vinyl Chloride	500 mg/kg (Rat)	No data available	18 pph (15-min Rat)

**Skin/Eye Irritation/Corrosion:** Liquid Vinyl Chloride may freeze tissue and produce a chemical burn as it evaporates, causing damage to the underlying tissue.

**Skin Absorbent / Dermal Route:** NO.

**RESPIRATORY OR SKIN SENSITIZATION:** Not classified as a skin or respiratory sensitizer per GHS criteria.

**CARCINOGENICITY:** Category 1A - May cause cancer. Vinyl Chloride is a multi-site carcinogen in animals inducing angiosarcomas at many sites (though predominantly liver), hepatocellular tumors, tumors of the mammary, and lung tumors. Worker cohort studies indicate that occupational exposure to Vinyl Chloride is not strongly associated with increased mortality risk from respiratory disease or cancers other than liver and biliary tract cancers (predominantly angiosarcomas).

**SPECIFIC TARGET ORGAN TOXICITY (Single Exposure):** Category 3 - May cause drowsiness or dizziness. Category 3 - May cause respiratory irritation.

**SPECIFIC TARGET ORGAN TOXICITY (Repeated or Prolonged Exposure):** Chronic exposure to Vinyl Chloride monomer (VCM) may cause damage to the nervous system, respiratory system, musculoskeletal system, and lymphatic system.

**INHALATION HAZARD:** Inhalation is associated with both acute and chronic health effects.

**IN-VITRO / IN-VIVO GENOTOXICITY:** Vinyl Chloride has tested positive for mutagenicity in in vitro and in vivo test systems. Category 2 - Suspected of causing genetic defects. Mutagenic in bacteria studies. Genetic studies in animals were negative in some cases and positive in others.

**REPRODUCTIVE TOXICITY:** In a recent well conducted combined two-generation reproductive/developmental study in rats the NOAEC for developmental effects was 1,100 ppm (2816 mg/m<sup>3</sup>), the highest dose tested (Thornton, 2002). There was no effect of treatment on sex ratio, fetal body weight or number or type of malformations. The substance is not classified as toxic for reproduction, according to GHS.

**DEVELOPMENTAL TOXICITY:** No maternal or developmental toxicity was seen at the 10 ppm exposure level. At the 100 ppm level only maternal toxicity seen was an increase in kidney weight relative to Day 20 gestation weight. At the 1100 ppm exposure level both kidney and liver weights increased. No developmental toxicity was seen at either level.

**ASPIRATION HAZARD:** Not classified as an aspiration hazard per GHS criteria.

**TOXICOKINETICS:** The pattern of pulmonary elimination of 10 and 1000 ppm Vinyl Chloride is similar first-order kinetics, with half-lives of 20.4 and 22.4 minutes respectively. The half-lives for the initial phase of excretion of (14)°C radioactivity in urine were 4.6 and 4.1 hours, respectively.

**METABOLISM:** Vinyl Chloride is primarily and rapidly metabolized in the liver, and this metabolism is saturable. The first step in the metabolism of vinyl chloride is oxidation, which is predominantly mediated by human cytochrome P450 (CYP) 2E1, to form the highly reactive chloroethylene oxide, which can spontaneously rearrange to chloroacetaldehyde. Conjugation of chloroethylene oxide and chloroacetaldehyde with glutathione (GSH) eventually



**VINYL CHLORIDE (MONOMER)**

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

leads to the major urinary metabolites N-acetyl-S-(2-hydroxyethyl)cysteine and thiodiglycolic acid. Chloroethylene oxide and chloroacetaldehyde can also be detoxified to glycolaldehyde by microsomal epoxide hydrolase (mEH) and to the urinary metabolite chloroacetic acid by aldehyde dehydrogenase 2 (ALDH2), respectively.

**BIOLOGICAL DISTRIBUTION:** See Toxicokinetics above.

**ENDOCRINE DISRUPTOR:** Vinyl Chloride is listed on The Endocrine Disruptors Exchange's (TEDX) List of Potential Endocrine Disruptors database of chemicals with the potential to affect the endocrine system. Every chemical on the TEDX List has one or more verified citations published, accessible, primary scientific research demonstrating effects on the endocrine system.

**NEUROTOXICITY:** Neurotoxicity/ Neuropathological alterations were observed in rats exposed to 78,000 mg/ m<sup>3</sup> vinyl chloride (4 hr/day, 5 days/week) for 12 months. During the exposure period, the rats were slightly soporific. Histopathology revealed diffuse degeneration in the gray and white matter of the brain and at the level of the white matter zones of reactive gliosis. In the cerebellum, atrophy of the granular layer and degeneration of Purkinje cells were most prominent. In addition, peripheral nerve bundles were often surrounded and invaded by fibrotic processes.

**IMMUNOTOXICITY:** The major immunological abnormalities reported in vinyl chloride disease patients include hyperimmunoglobulinemia with a polyclonal increase in IgG, cryoglobulinemia, cryofibrinogenemia, and in vivo activation of complement.

**Hazard Not Otherwise Classified (HNOC)-Health**

- Repeat occupational exposure to Vinyl Chloride have been associated with Raynaud syndrome and associated scleroderma-like skin changes on the hands
- Direct contact with liquid or rapidly expanding gas may cause frostbite to contacted tissue (eyes, skin, etc.)
- Vinyl Chloride is listed on The Endocrine Disruptors Exchange's (TEDX) List of Potential Endocrine Disruptors database of chemicals with the potential to affect the endocrine system. Every chemical on the TEDX List has one or more verified citations published, accessible, primary scientific research demonstrating effects on the endocrine system
- May displace oxygen and cause rapid suffocation

**SECTION 12. ECOLOGICAL INFORMATION****ECOTOXICITY (EC, IC, and LC):**

<i>Component:</i>	<i>Freshwater Fish:</i>	<i>Invertebrate Toxicity:</i>	<i>Algae Toxicity:</i>	<i>Other Toxicity:</i>
Vinyl Chloride 75-01-4 (99 - 100 %)	*LC50 Brachydanio rerio: 210 mg/L 96h	-----	*EC50 Chilomonas paramecium (48 h) =943 mg/L	No data available

**Aquatic Toxicity:**

This material is believed to be practically non-toxic to fish on an acute basis (LC50>100 mg/L).

**FATE AND TRANSPORT:**

**PERSISTENCE:** Tropospheric half-life is estimated to be 23 hours. If released to air, this material will remain in the gas phase. If released to soil, volatilization will occur, but material that does not volatilize may be highly



## VINYL CHLORIDE (MONOMER)

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

mobile. If released to water, evaporation will occur.

**BIODEGRADATION:** Vinyl chloride may degrade under anaerobic conditions.

**BIOCONCENTRATION:** Bioconcentration potential is low (BCF <100 or log Kow <3).

**BIOACCUMULATIVE POTENTIAL:** This material is believed not to bioaccumulate.

**MOBILITY IN SOIL:** The Koc of vinyl chloride has been reported to be 57. According to a classification scheme, this Koc value suggests that vinyl chloride is expected to have high mobility in soil.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste from material:

Reuse or reprocess, if possible. May be subject to disposal regulations. Dispose in accordance with all applicable regulations. Generators of waste (equal to or greater than 100 kg/mo) containing this contaminant, EPA hazardous waste number U043 and D043, must conform with USEPA regulations in storage, transportation, treatment and disposal of waste. 40 CFR 240-280, 300-306, 702-799 (USEPA). If the material is to be incinerated, the chemical incinerator must be equipped with an afterburner (to assure complete combustion to prevent the formation of phosgene) and an acid scrubber (to remove the halo acids produced).

### Container Management:

Refer to manufacturer/supplier for information on recovery/recycling. Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

### Contaminated Material:

Contaminated material must be disposed of in a permitted waste management facility.

## SECTION 14. TRANSPORT INFORMATION

### LAND TRANSPORT

#### U.S. DOT 49 CFR 172.101:

**UN NUMBER:** UN1086  
**PROPER SHIPPING NAME:** Vinyl chloride, stabilized  
**HAZARD CLASS/ DIVISION:** 2.1  
**LABELING REQUIREMENTS:** 2.1  
**RQ (lbs.):** RQ 1 Lbs. (Vinyl chloride)

**Special provisions for transport:** 21, B44, N86, T50.

**VINYL CHLORIDE (MONOMER)**

SDS No.: M9192  
Supersedes Date: 2015-06-April

Rev. Date: 30-Nov-2020

**Packaging Exceptions** 306.  
**Non-bulk Packaging:** 304.  
**Bulk Packaging:** 314, 315.

**CANADIAN TRANSPORTATION OF DANGEROUS GOODS:**

**UN NUMBER:** UN1086  
**SHIPPING NAME:** Vinyl chloride, stabilized  
**CLASS OR DIVISION:** 2.1  
**LABELING REQUIREMENTS:** 2.1  
**RQ (lbs):** RQ 1 Lbs. (Vinyl chloride)

**MARITIME TRANSPORT (IMO / IMDG)**

**UN NUMBER:** UN1086  
**PROPER SHIPPING NAME:** Vinyl chloride, stabilized  
**HAZARD CLASS / DIVISION:** 2.1  
**LABELING REQUIREMENTS:** 2.1

**AIR TRANSPORT (ICAO / IATA)**

**Special Instructions CAO:** IATA Certificate for shipping personnel is required

**SECTION 15. REGULATORY INFORMATION****U.S. REGULATIONS****OSHA REGULATORY STATUS:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):**

If a release is reportable under CERCLA section 103, notify the state emergency response commission and local emergency planning committee. In addition, notify the National Response Center at (800) 424-8802 or (202) 426-2675.

Component	U.S. DOT Hazardous Substances/ RQs	CERCLA Hazardous Substances / RQs	CERCLA Section 302 EHS EPCRA RQs	Section 302 Threshold Planning Quantity (TPQ)
Vinyl Chloride 75-01-4 ( 99 - 100 )	1 lbs(RQ)	1 lb	Not listed	Not Listed

**SARA EHS Chemical (40 CFR 355.30)**

Not regulated.

**EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):**

Acute Health Hazard, Chronic Health Hazard, Fire Hazard, Sudden Release of Pressure

**SARA HAZARD CATEGORIES ALIGNED WITH GHS (2018):**

Physical Hazard - Flammable (gases, aerosols, liquids, or solids)  
Physical Hazard - Gas Under Pressure  
Physical Hazard - Explosive  
Health Hazard - Carcinogen

**VINYL CHLORIDE (MONOMER)**

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

Health Hazard - Germ Cell Mutagenicity  
 Health Hazard - Specific Target Organ Toxicity (STOT) Single Exposure (SE)  
 Health Hazard - Specific Target Organ Toxicity (STOT) Repeat Exposure (RE)

**EPCRA SECTION 313 (40 CFR 372.65):**

The following chemicals are listed in 40 CFR 372.65 and may be subject to Community Right-to Know Reporting requirements.

Component	SARA 313 - Emission Reporting	SARA 313 PBT
Vinyl Chloride 75-01-4 (99 - 100)	0.1% (de minimis concentration)	Not Listed

**DEPARTMENT OF HOMELAND SECURITY (DHS)- Chemical Facility Anti-Terrorism Standards (6 CFR 27):**

This product is regulated under the U.S. Department of Homeland Security (DHS) Chemical Facility Anti-Terrorism Standards (CFATS) as follows:

- DHS - Security Issue
- DHS - Release Screening Threshold Quantity
- DHS - Release Min. Concentration

Component	DHS - Security Issues	DHS-Sabotage Screening Threshold Qty.	DHS-Sabotage Min. Conc.	DHS-Theft Screening Threshold Qty.	DHS-Theft Min. Conc.	DHS-Release Screening Threshold Qty.	DHS-Release Min. Conc.	CWC Toxic Chemicals:
Vinyl Chloride 75-01-4 (99 - 100)	Release - Flammable	Not Listed	Not Listed	Not Listed	Not Listed	10000 lb STQ	1.0% Minimum Concentration	Not Listed

**OSHA SPECIFICALLY REGULATED SUBSTANCES:**

OSHA 29 CFR 1910.1017 (Vinyl chloride); The U.S. Department of Labor, Occupational Safety and Health Administration specifically regulates manufacturing, handling and processing of vinyl chloride. Such regulations have been published at 29 CFR 1910.1017.

**OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):**

The PSM standard may apply to processes which involve a flammable liquid or gas in a quantity of 10,000 pounds (4535.9 kg) or more.

Component	EPA RMP Toxic or Flammable TPQ	PSM - Highly Hazardous Substances, Toxics and Reactives	Flash Point
Vinyl Chloride 75-01-4 (99 - 100)	Flammable (10000 lb threshold quantity)	Not Listed	-78°C Open cup

**EPA'S CLEAN WATER AND CLEAN AIR ACTS:**

Regulated as noted in table below.

Component	Clean Water Act - Priority Pollutants	CAA - ODS CLASS 1 AND CLASS 2	CAA - Volatile Organic Compounds (VOCs) in SOCM	CAA - HON Rule - Organic HAPs	CAA - Hazard Air Pollutants	CAA - Urban HAPs List (Integrated Urban Strategy)	SNAP - Substitutes for ODS	EPA RMP Toxic or Flammable TPQ
Vinyl Chloride 75-01-4 (99 - 100 %)	Present	Not Listed	Present	Present	Present	Present	Not Listed	Flammable (10000 lb threshold quantity)

**NATIONAL INVENTORY STATUS****U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA):**

## VINYL CHLORIDE (MONOMER)

SDS No.: M9192

Rev. Date: 30-Nov-2020

Supersedes Date: 2015-06-April

Component	TSCA Inventory	TSCA ACTIVE LIST	TSCA 12(b)	TSCA - Section 4	TSCA - Section 5	TSCA - Section 6	TSCA - Section 8
Vinyl Chloride 75-01-4 (99 - 100 %)	Listed	ACTIVE	Not Listed	Not listed	Not Listed	Not listed	Not listed

**CANADIAN CHEMICAL INVENTORY:** All components of this product are listed on either the DSL or the NDSL.

Component	DSL	NDSL
Vinyl Chloride 75-01-4 ( 99 - 100 )	Listed	Not Listed

### STATE REGULATIONS

#### California Proposition 65:

Proposition 65 regulations should be consulted regarding warning requirements, if any, for the final product and whether any exposures to listed chemicals would be within a safe level (i.e., a No Significant Risk Level or NSRL for carcinogens, and/or a Maximum Allowable Dose Level or MADL for reproductive toxins).

Component	California Proposition 65 Cancer WARNING:	California Proposition 65 CRT List - Male reproductive toxin:	California Proposition 65 CRT List - Female reproductive toxin:	Massachusetts Right to Know Hazardous Substance List	Rhode Island Right to Know Hazardous Substance List
Vinyl Chloride 75-01-4 (99 - 100 %)	Listed	Not Listed	Not Listed	Listed	Not Listed

Component	New Jersey Right to Know Hazardous Substance List	New Jersey Special Health Hazards Substance List	New Jersey - Environmental Hazardous Substance List	Pennsylvania Right to Know Hazardous Substance List	Pennsylvania Right to Know Special Hazardous Substances	Pennsylvania Right to Know Special Hazardous Substances	Pennsylvania Right to Know Environmental Hazard List
Vinyl Chloride	2001	carcinogen; flammable - fourth degree; mutagen	Listed	Listed	Present	Present	Present

### CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**Canadian Federal Regulation Status:** The component(s) in this product formulation are listed on Canadian Domestic Substance List (either DSL/NDSL). The component(s) information is listed below:

Component	Canada - CEPA - Schedule I - List of Toxic Substances	Canada - NPRI	Canada - CEPA - 2010 Greenhouse Gases (GHG) Subject to Mandatory Reporting	CANADIAN CHEMICAL INVENTORY:	NDSL:
Vinyl Chloride 75-01-4 ( 99 - 100 )	Present (009) Present (065)	Part 1, Group 1 Substance Part 4 Substance	Not Listed	Listed	Not Listed

## SECTION 16. OTHER INFORMATION

## VINYL CHLORIDE (MONOMER)

**SDS No.:** M9192

**Rev. Date:** 30-Nov-2020

**Supersedes Date:** 2015-06-April

---

**Prepared by:** Occidental Chemical Corporation - HES&S Product Stewardship Department

**Rev. Date:** 30-Nov-2020

**Reason for Revision:**

- Revised Major Health Hazards: SEE SECTION 2
- Revised GHS Information: SEE SECTION 2
- Updated First Aid Measures: SEE SECTION 4
- PPE recommendations have been modified: SEE SECTION 8
- Toxicological Information has been revised: SEE SECTION 11
- Updated Disposal Considerations. SEE SECTION 13
- Updated Transportation Information: SEE SECTION 14
- A component has been added to the formulation. SEE SECTION 3

**IMPORTANT:**

The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESSED OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and Occidental Chemical Corporation assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patents or to violate any federal, state, local or foreign laws.

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees.

---

**End of Safety Data Sheet**

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : PROPYLENE GLYCOL USP/EP  
Synonyms : Propylene Glycol, 1,2-Propanediol, 1,2-Dihydroxypropane, Monopropylene Glycol  
Substance name : 1,2-Propanediol  
Substance No. : 200-338-0 (EINECS)  
Chemical characterization : Glycols

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Solvent; Intermediate; Functional Fluids  
Prohibited uses : Active pharmaceutical ingredient (API); Tobacco; Electronic cigarettes (E-cigarettes); Cannabis; Theater fogs; Artificial smoke; Cat food; Sprinkler systems over 30%

#### 1.3 Details of the supplier of the safety data sheet

Company	Registration number	Telephone
E-mail address :		
Responsible/issuing person		

#### 1.4 Emergency telephone number

**Poison Center:**  
National Poisons Information Service  
UK: +44 131 242 1383  
24 hours all days

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**  
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

**Labeling (REGULATION (EC) No 1272/2008)**  
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Substance name : 1,2-Propanediol  
EC-No. : 200-338-0 (EINECS)

#### Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
Propylene Glycol	57-55-6 200-338-0	>= 99.5

---

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

General advice : May cause irritation of the eyes, skin and mucous membranes.  
Always observe self-protection methods  
Move out of dangerous area.  
Remove contaminated shoes and clothing.  
Show this material safety data sheet to the doctor in attendance.

If inhaled : Remove to fresh air.  
In the case of inhalation of aerosol/mist consult a physician if necessary.  
Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  
Avoid inhalation of hot vapors or extremely high concentrations of aerosols.

In case of skin contact : Wash skin thoroughly with mild soap and water.

In case of eye contact : Flush eyes with water thoroughly and continuously for 15 minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : High doses may cause CNS depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe over-exposure).

Risks : May cause eye, skin, and respiratory tract irritation.



# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.  
Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : SMALL FIRE: Use dry chemicals, CO<sub>2</sub>, water spray or alcohol-resistant foam. LARGE FIRE: Use water spray, water fog or alcohol-resistant foam.

Unsuitable extinguishing media : Do not use solid water stream.

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be combustible at temperatures below normal flash point. Fight fire from a safe distance/protected location. Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Use water spray/fog for cooling. Avoid frothing/steam explosion. Although water soluble, may not be practical to extinguish fire by water dilution. Notify authorities immediately if liquid enters sewer/public waters.

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighter's protective clothing will only provide limited protection.

---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Clean-up to be performed only by trained and properly equipped personnel.

### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

---

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version	Revision Date:	SDS Number:	Date of last issue: 11/05/2021
1.9	01/16/2023	BE129	Date of first issue: 11/29/2010

---

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Extinguish ignition sources; stop release; prevent flow to sewers or public waters.  
Notify fire and environmental authorities.  
Impound/recover large land spill; soak up small spill with inert solids.  
Soak up small spills with inert solids.  
Use suitable disposal containers.  
On water, material is soluble and may float or sink.  
Contain/collect rapidly to minimize dispersion.  
Disperse residue to reduce aquatic harm.  
Report per regulatory requirements.

### 6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Handle empty containers with care - residue can burn if heated.  
Empty containers should be thoroughly rinsed with copious amounts of clean water.  
The rinse water can be used for makeup water for any necessary dilution of the concentrated product before use, or it can be properly discarded.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Take off contaminated clothing and wash before reuse.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Handle empty containers with care - residue may be combustible. Empty containers should be thoroughly rinsed with copious amounts of clean water. The rinse water can be used for makeup water for any necessary dilution of the concentrated product before use, or it can be properly discarded.

Advice on common storage : Carbon/Mild steel with suitable internal coating, or stainless steel

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : See Section 1.2.  
Development of Exposure Scenarios for such use are not required by the REACH Regulation other than what is provided in other sections of this SDS.

No use-specific Risk Management Measures are proposed.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Propylene Glycol	57-55-6	STEL (particulate)	30 mg/m <sup>3</sup>	WEL (GB)
		TWA (particulate)	10 mg/m <sup>3</sup>	WEL (GB)
		STEL (total vapour and particulates)	450 ppm 1,422 mg/m <sup>3</sup>	WEL (GB)
		TWA (total vapour and particulates)	150 ppm 474 mg/m <sup>3</sup>	WEL (GB)

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
1,2-Propanediol	Workers	Inhalation	Long term	168 mg/m <sup>3</sup>
	Remarks: Systemic effects			
	Workers	Inhalation	Long term	10 mg/m <sup>3</sup>
Remarks: Local effects				
	General Population	Inhalation		50 mg/m <sup>3</sup>
Remarks: Systemic effects				
	General Population	Inhalation		10 mg/m <sup>3</sup>
Remarks: Local effects				

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
1,2-Propanediol	Fresh water	260 mg/l
	Remarks: Assessment factor - 50	
	Sea water	26 mg/l
Remarks: Assessment factor - 500		
	Water	183 mg/l
Remarks: Intermittent Releases, Assessment factor -100		
	Fresh water sediment	572 mg/kg dw
	Sea sediment	57.2 mg/kg dw

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

	Soil	50 mg/kg dw
	Sewage Treatment Plant	20000 mg/l
	Remarks:Assessment factor -1	

### 8.2 Exposure controls

#### Engineering measures

No special ventilation is recommended under anticipated conditions of normal use beyond that needed for normal comfort control.

#### Personal protective equipment

- Eye protection : Use splash goggles when eye contact due to splashing or spraying liquid is possible.
- Hand protection  
Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.
- Remarks : Not normally considered a skin hazard.
- Skin and body protection : No special clothing/skin protection equipment is recommended under normal conditions of anticipated use.  
Where use can result in skin contact, practice good personal hygiene.
- Respiratory protection : No special respiratory protection equipment is recommended under anticipated conditions of normal use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid (20 °C, 1,013.25 hPa)
- Color : clear
- Odor : Little or no odor.
- Odor Threshold : No value available.
- pH : no data available
- Melting point/range : < -20 °C
- Boiling point/boiling range : 184 °C (1003.20 hPa)
- Flash point : 104 °C(1000.010 hPa)
- Flammability (solid, gas) : Not applicable
- Upper explosion limit / Upper flammability limit : ~ 17.4 vol%
- Lower explosion limit / Lower flammability limit : ~ 2.4 vol%

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9	Revision Date: 01/16/2023	SDS Number: BE129	Date of last issue: 11/05/2021 Date of first issue: 11/29/2010
----------------	------------------------------	----------------------	---

---

Vapor pressure	:	0.2 hPa (25 °C)
Relative vapor density	:	no data available
Density	:	1.03 g/cm <sup>3</sup> (20 °C)
Solubility(ies) Water solubility	:	completely soluble (20 °C) pH: 7.1 - 7.8
Partition coefficient: n- octanol/water	:	log Pow: -1.07 (20.5 °C) pH: 6.2 - 6.4
Decomposition temperature	:	Incomplete combustion may produce carbon monoxide and other toxic gases.
Viscosity Viscosity, kinematic	:	42.1 mm <sup>2</sup> /s (25 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

### 9.2 Other information

Surface tension	:	71.6 mN/m, 1.01 g/l, 21.5 °C
Self-ignition	:	> 400 °C

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	Not expected to occur. This material is stable when properly handled and stored.
---------------------	---	--

### 10.4 Conditions to avoid

Conditions to avoid	:	High temperatures, oxidizing conditions. May degrade when exposed to light or other radiation sources.
---------------------	---	---

### 10.5 Incompatible materials

Materials to avoid	:	Reacts with strong oxidizing agents. Strong acids. Isocyanates.
--------------------	---	---

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### 10.6 Hazardous decomposition products

Combustion may produce oxides of carbon and other toxic gases.

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Components:

##### **Propylene Glycol:**

Acute oral toxicity : LD50 Oral (Rat): 22,000 mg/kg

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

#### Skin corrosion/irritation

##### Product:

Remarks : Based on skin irritation values, not classified.  
May cause slight transient skin irritation.

##### Components:

##### **Propylene Glycol:**

Assessment : Non-irritating to the skin.

#### Serious eye damage/eye irritation

##### Product:

Remarks : May produce minimal, fully reversible eye irritation.

##### Components:

##### **Propylene Glycol:**

Assessment : Non-irritating to the eyes.

#### Respiratory or skin sensitization

##### Product:

Test Type : Respiratory sensitization  
Remarks : no data available

Test Type : Skin sensitization  
Remarks : Skin reactions of unknown etiology have been described in some hypersensitive individuals following topical application.

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### Components:

#### **Propylene Glycol:**

Assessment : Not sensitizing

### **Germ cell mutagenicity**

#### Product:

Germ cell mutagenicity- Assessment : No adverse effect observed.

### Components:

#### **Propylene Glycol:**

Germ cell mutagenicity- Assessment : Negative for genotoxicity using both in vitro and in vivo tests.

### **Carcinogenicity**

#### Product:

Carcinogenicity - Assessment : No adverse effect observed.

### Components:

#### **Propylene Glycol:**

Carcinogenicity - Assessment : No increase in tumors was noted in rats and dogs exposed to high concentrations of propylene glycol via the diet for up to 2 years. The incidence of skin tumors was unaltered in mice following dermal application over a lifetime.

### **Reproductive toxicity**

#### Product:

Reproductive toxicity - Assessment : No adverse effect observed.  
No adverse effect observed.

### Components:

#### **Propylene Glycol:**

Reproductive toxicity - Assessment : No adverse effect on reproductive performance was seen in male and female mice exposed continuously to high doses of propylene glycol in drinking water for up to 3 months. Results from studies in pregnant rats, mice, hamsters and rabbits demonstrate that propylene glycol is not teratogenic or fetotoxic.

### **STOT-single exposure**

#### Product:



# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

Assessment : Based on single exposure toxicity values, not classified.

### **Components:**

#### **Propylene Glycol:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### **STOT-repeated exposure**

#### **Product:**

Assessment : Based on repeated exposure toxicity values, not classified., Propylene glycol is of low inherent toxicity in rats and dogs after repeated oral exposure, while cats show species-specific hematological changes in red blood cells (other tissues unremarkable). Rats exposed repeatedly to high aerosol concentrations exhibited signs consistent with irritation of the eyes and nasal mucosa but showed no evidence of systemic toxicity.

### **Components:**

#### **Propylene Glycol:**

Assessment : Long-term studies in rodents conducted with high oral doses found no evidence of adverse effects. Ingestion by cats, however, results in species-specific hematological changes.

### **Repeated dose toxicity**

#### **Components:**

#### **Propylene Glycol:**

Species : Rat, male  
NOAEL : 1,700 mg/kg  
Application Route : Oral  
Remarks : Long-term studies in rodents conducted with high oral doses found no evidence of adverse effects. Ingestion by cats, however, results in species-specific hematological changes.

Species : Rat  
LOAEL : 0.16 mg/l  
Application Route : Inhalation  
Remarks : High aerosol concentrations inhaled by rats caused minor nasal and ocular signs that may have been due to mild irritation or drying effects on mucous membranes.

### **Further information**

#### **Product:**

Remarks : no data available

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### Components:

#### **Propylene Glycol:**

Remarks : Propylene glycol is of low acute toxicity after ingestion or skin contact. It is not a skin irritant, although repeated contact with undiluted product may dry the skin resulting in cracking and/or fissuring. It is not a skin sensitizer, however skin reactions of unknown etiology have been described in some hypersensitive individuals following topical application. Neat liquid may also produce minimal, fully reversible eye irritation. Propylene glycol is of low inherent toxicity in rats and dogs after repeated oral exposure, while cats show species-specific hematological changes in red blood cells (other tissues unremarkable). Rats exposed repeatedly to high aerosol concentrations exhibited signs consistent with irritation of the eyes and nasal mucosa but showed no evidence of systemic toxicity. Results from studies in pregnant rats, mice, hamsters and rabbits demonstrate that propylene glycol is not a teratogen while no adverse effect on reproductive performance was apparent in male and female mice exposed continuously to high doses of propylene glycol in drinking water for up to 3 months. It is not genotoxic in vitro or in vivo. There was no increase in tumors in rats or dogs exposed to high concentrations of propylene glycol via the diet for up to 2 years, while the incidence of skin tumors was unaltered in mice following dermal application over a lifetime.

---

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : Based on acute aquatic toxicity values, not classified.  
Chronic aquatic toxicity : Not classified, based on readily biodegradability and low acute toxicity.

#### Components:

#### **Propylene Glycol:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l  
Exposure time: 96 HOURS  
Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia): 18,340 mg/l  
Exposure time: 48 HOURS  
EC50 (Americamysis bahia (Mysid shrimp)): 18,800 mg/l  
Exposure time: 96 HOURS  
Toxicity to algae/aquatic : EC50 (Pseudokirchneriella subcapita (formerly Selenastrum

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

plants      capricornutum): 19,000 mg/l  
Exposure time: 96 HOURS

EC50 (Skeletonema costatum): 19,100 mg/l  
Exposure time: 96 HOURS

Toxicity to microorganisms : NOEC (Pseudomonas putida): 20,000 mg/l  
Exposure time: 18 HOURS

Toxicity to fish (Chronic toxicity) : Remarks: Not expected to exhibit chronic toxicity to fish.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 13,020 mg/l  
Exposure time: 7 DAY  
Species: Ceriodaphnia dubia

### 12.2 Persistence and degradability

#### Components:

##### **Propylene Glycol:**

Biodegradability : Result: Biodegradable  
Biodegradation: 72 - 100 %

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: This material is not expected to bioaccumulate.

#### Components:

##### **Propylene Glycol:**

Bioaccumulation : Bioconcentration factor (BCF): 0.09  
Remarks: This material is not expected to bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: -1.07 (20.5 °C)

### 12.4 Mobility in soil

#### Product:

Distribution among environmental compartments : Stability in soil  
Remarks: Low potential for soil adsorption expected

#### Components:

##### **Propylene Glycol:**

Distribution among environmental compartments : Remarks: Environmental releases of propylene glycol will tend to partition to water and soil, with little potential for evaporation.

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : Not applicable.

**Components:**

**Propylene Glycol:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

### 12.6 Other adverse effects

**Product:**

Environmental fate and pathways : No additional information available.

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Components:**

**Propylene Glycol:**

Environmental fate and pathways : This material is not expected to persist in the environment and should pose little if any physical or toxicological hazards.

Additional ecological information : This material is expected to be non-hazardous to aquatic species.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal.  
Landfill solids at permitted sites.  
Burn concentrated liquids, diluting with clean, low viscosity fuel.  
Dilute aqueous waste may biodegrade.  
Assure effluent complies with applicable regulations.

---

## SECTION 14: Transport information

### 14.1 UN number

Not regulated for transport

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### 14.2 UN proper shipping name

Not regulated for transport

### 14.3 Transport hazard class(es)

Not regulated for transport

### 14.4 Packing group

Not regulated for transport

### 14.5 Environmental hazards

Not applicable

### 14.6 Special precautions for user

No special precautions required.

### 14.7 Maritime transport in bulk according to IMO instruments

Description of the goods	PROPYLENE GLYCOL
Pollution category	OS
Ship type	NONE

---

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Other international regulations

#### Global Inventory Status

The ingredients of this product are compliant with the following chemical inventory requirements or exemptions.

Country/Region	Inventory	Status Description
Australia	AICS	Listed
Canada	DSL	Listed
China	IECSC	Listed
Europe	REACH	See Compliance Statement*
Japan	ENCS	Listed
Korea	K REACH	Pre-registration period *
New Zealand	NZIoC	Listed
Philippines	PICCS	Listed
United Kingdom	UK REACH	See Compliance Statement*
United States of America	TSCA	Listed

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

Taiwan	TCSCA	Listed
Turkey	KKDIK	Pre-registration period *

\* If the product has been purchased domestically from the notifying/registering legal entity of the LyondellBasell group of companies. We confirm that all substances (in this preparation) have been registered in accordance with the deadlines set forth in the applicable regulation. During the "Pre-registration period", we confirm that all substances in this preparation have been pre-registered or, where required under the regulation, registered, and that we have the intention to proceed with their registration in accordance with the deadlines set forth in the regulation. For more information, please contact reach@lyondellbasell.com.

† For more information on the status of this material, please contact chemical control at global.chemical.control@lyondellbasell.com.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

### SECTION 16: Other information

#### Full text of other abbreviations

WEL (GB) : United Kingdom (GB)  
WEL (GB) / TWA : TWA  
WEL (GB) / STEL : STEL

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version	Revision Date:	SDS Number:	Date of last issue: 11/05/2021
1.9	01/16/2023	BE129	Date of first issue: 11/29/2010

---

Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

UK / EN



**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Trade name : PROPYLENE GLYCOL INDUSTRIAL  
CAS Number: : 57-55-6  
Chemical characterization : Glycols  
Chemical name : 1,2-Propanediol  
Synonyms : Propylene Glycol, 1,2-Propanediol, 1,2-Dihydroxypropane, Monopropylene Glycol

Identified uses : Solvent; Intermediate; Functional Fluids

Prohibited uses : Pharmaceutical excipient; Active pharmaceutical ingredient (API); Applications involving human consumption; Cosmetics; Toiletries; Personal care products; Tobacco; Electronic cigarettes (E-cigarettes); Cannabis; Theater fogs; Artificial smoke; Cat food (21 CFR 582.1666); Sprinkler systems over 30%

**Company Address**

Lyondell Chemical Company  
LyondellBasell Tower, Suite 300  
1221 McKinney St.  
P.O. Box 2583  
Houston Texas 77252-2583

**Company Telephone**

Customer Service 888 777-0232  
product.safety@lyb.com

**Emergency telephone number**

CHEMTREC USA 800-424-9300  
LYONDELL 800-245-4532

E-mail address : product.safety@lyb.com  
Responsible/issuing person

**2. HAZARDS IDENTIFICATION****GHS Classification**

Not classified as hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).

**Label elements**

Not classified as hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).

**Other hazards**

**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

No additional information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substances****Components**

Chemical name	CAS-No. EC-No.	Weight %	Component Type
Propylene Glycol	57-55-6	>= 99.0 %	A

Key:  
(A) Substance**4. FIRST AID MEASURES**

- General advice : May cause irritation of the eyes, skin and mucous membranes. Always observe self-protection methods. Move out of dangerous area. Remove contaminated shoes and clothing. Show this material safety data sheet to the doctor in attendance.
- If inhaled : Remove to fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary. Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Avoid inhalation of hot vapors or extremely high concentrations of aerosols.
- In case of skin contact : Wash skin thoroughly with mild soap and water.
- In case of eye contact : Flush eyes with water thoroughly and continuously for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.
- If swallowed : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

**Notes to physician**

- Symptoms : High doses may cause CNS depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe over-exposure).
- Hazards : This product is of low acute toxicity.  
May cause irritation of the eyes, skin and mucous membranes.  
Hot vapors may cause lung damage.
- Treatment : Treat symptomatically.  
Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

**5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : SMALL FIRE: Use dry chemicals, CO<sub>2</sub>, water spray or alcohol-resistant foam. LARGE FIRE: Use water spray, water fog or alcohol-resistant foam.
- Unsuitable extinguishing media : Do not use solid water stream.
- Specific hazards during fire fighting : Heat from fire can generate flammable vapor.  
When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined.  
Vapors may be heavier than air.  
May travel long distances along the ground before igniting and flashing back to vapor source.  
Fine sprays/mists may be combustible at temperatures below normal flash point.  
Fight fire from a safe distance/protected location.  
Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries.  
Use water spray/fog for cooling.  
Avoid frothing/steam explosion.  
Although water soluble, may not be practical to extinguish fire by water dilution.  
Notify authorities immediately if liquid enters sewer/public waters.
- : Refer to NFPA Code 13 for guidance in using propylene glycol in sprinkler system applications.
- Special protective equipment for fire-fighters : Wear positive pressure self-contained breathing apparatus (SCBA).  
Structural firefighter's protective clothing will only provide

**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

limited protection.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Use personal protective equipment.  
Clean-up to be performed only by trained and properly equipped personnel.
- Environmental precautions : Try to prevent the material from entering drains or water courses.
- Methods for containment /  
Methods for cleaning up : Extinguish ignition sources; stop release; prevent flow to sewers or public waters.  
Notify fire and environmental authorities.  
Impound/recover large land spill; soak up small spill with inert solids.  
Soak up small spills with inert solids.  
Use suitable disposal containers.  
On water, material is soluble and may float or sink.  
Contain/collect rapidly to minimize dispersion.  
Disperse residue to reduce aquatic harm.  
Report per regulatory requirements.

**7. Handling and storage****Precautions for safe handling**

- Advice on safe handling : Handle empty containers with care - residue can burn if heated.  
Empty containers should be thoroughly rinsed with copious amounts of clean water.  
The rinse water can be used for makeup water for any necessary dilution of the concentrated product before use, or it can be properly discarded.

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

**Conditions for safe storage, including any incompatibilities**

- Requirements for storage areas and containers : Handle empty containers with care - residue may be combustible.  
Empty containers should be thoroughly rinsed with copious amounts of clean water.  
The rinse water can be used for makeup water for any

**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

necessary dilution of the concentrated product before use, or it can be properly discarded.

Advice on common storage : Carbon/Mild steel with suitable internal coating, or stainless steel

Other data : No decomposition if stored and applied as directed.

**Specific end use(s)**

: See Section 1.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Ingredients with workplace control parameters**

Consult local authorities for acceptable exposure limits.

**Exposure controls****Engineering measures**

No special ventilation is recommended under anticipated conditions of normal use beyond that needed for normal comfort control.

**Personal protective equipment**

Respiratory protection : No special respiratory protection equipment is recommended under anticipated conditions of normal use.

Hand protection : Not normally considered a skin hazard.  
Use chemical resistant gloves appropriate to conditions of use.  
Wear chemical resistant gloves such as:  
Nitrile rubber  
Latex

Eye and face protection : Use splash goggles when eye contact due to splashing or spraying liquid is possible.

Skin and body protection : No special clothing/skin protection equipment is recommended under normal conditions of anticipated use.  
Where use can result in skin contact, practice good personal hygiene.

Hygiene measures : Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics

**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.  
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices.  
Wash hands before eating, drinking, smoking, or using toilet facilities.  
Take off contaminated clothing and wash before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid at 20 °C ( 1,013.25 hPa)
Color	: Clear, colorless.
Odor	: Little or no odor.
Odor Threshold	: No value available.
Flash point	: 104 °C at 1000.010 hPa (750.071 mm Hg)
Lower explosion limit	: ~ 2.4 vol%
Upper explosion limit	: ~ 17.4 vol%
Flammability (solid, gas)	: Not applicable
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Autoignition temperature	: > 400 °C at 1000.10 - 1014.40 hPa
Decomposition temperature	: not determined
Melting point/range	: < -20 °C
Boiling point/boiling range	: 184 °C at 1003.20 hPa
Vapor pressure	: 0.2 hPa at 25 °C
Density	: 1.03 g/cm <sup>3</sup> at 20 °C
Water solubility	: 20 °C

**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

Miscible in water.

Partition coefficient: n-octanol/water	:	log Pow: -1.07 at 20.5 °C
Viscosity, kinematic	:	42.1 mm <sup>2</sup> /s at 25 °C
Relative vapor density	:	no data available
Surface tension	:	71.6 mN/m 1.01 g/l at 21.5 °C
Explosive properties	:	Not explosive
Other Information	:	No additional information available.

**10. STABILITY AND REACTIVITY**

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	Stable under recommended storage conditions.
Hazardous reactions	:	Not expected to occur. This material is stable when properly handled and stored.
Conditions to avoid	:	High temperatures, oxidizing conditions. May degrade when exposed to light or other radiation sources.
Materials to avoid	:	Reacts with strong oxidizing agents. Strong acids. Isocyanates.
Hazardous decomposition products	:	Carbon Monoxide and other toxic vapors.
Thermal decomposition	:	Incomplete combustion may produce carbon monoxide and other toxic gases.

**11. TOXICOLOGICAL INFORMATION**

<b>Product Summary</b>	:	The below given information is based on the assessment of the product including impurities.
<b>Acute toxicity</b>	:	
<b>Acute oral toxicity</b>	:	Based on acute toxicity values, not classified.



**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

- : LD50 Oral: > 5,000 mg/kg  
Species: Rat
- Acute inhalation toxicity** : Based on acute toxicity values, not classified.  
: LC50 (Inhl): > 20 mg/l  
Exposure time: 4 HOURS  
Species: Rabbit
- Acute dermal toxicity** : Based on acute toxicity values, not classified.  
: LD50 Dermal: > 2,000 mg/kg  
Species: Rabbit
- Skin corrosion/irritation** : Based on skin irritation values, not classified.  
May cause slight transient skin irritation.
- Serious eye damage/eye irritation** : Based on eye irritation values, not classified.  
May produce minimal, fully reversible eye irritation.
- Respiratory or skin sensitization** : Respiratory sensitization  
Not classified  
no data available  
: Skin sensitization  
Not classified  
Skin reactions of unknown etiology have been described in some hypersensitive individuals following topical application.
- Chronic toxicity**
- Carcinogenicity : Not classified  
No adverse effect observed.
- Germ cell mutagenicity : Not classified  
No adverse effect observed.
- Reproductive toxicity**  
Effects on fertility / : Not classified  
Effects on or via lactation : No adverse effect observed.

**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

- Effects on Development : Not classified  
No adverse effect observed.
- Target Organ Systemic Toxicant - Single exposure** : Based on single exposure toxicity values, not classified.
- Target Organ Systemic Toxicant - Repeated exposure** : Based on repeated exposure toxicity values, not classified., Propylene glycol is of low inherent toxicity in rats and dogs after repeated oral exposure, while cats show species-specific hematological changes in red blood cells (other tissues unremarkable). Rats exposed repeatedly to high aerosol concentrations exhibited signs consistent with irritation of the eyes and nasal mucosa but showed no evidence of systemic toxicity.
- Aspiration hazard** : Based on physico-chemical values or lack of human evidence, not classified.

**12. Ecological information****Ecotoxicology Assessment**

- Short-term (acute) aquatic hazard** : Based on acute aquatic toxicity values, not classified.
- Long-term (chronic) aquatic hazard** : Not classified, based on readily biodegradability and low acute toxicity.
- Toxicity to fish** : Low acute toxicity to fish
- Toxicity to daphnia and other aquatic invertebrates** : Low acute toxicity to aquatic invertebrates.
- Toxicity to algae** : Low toxicity to algae.
- Toxicity to bacteria** : Low toxicity to sewage microbes.
- Toxicity to fish (Chronic toxicity)** : No study available.
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)** : Low chronic toxicity to aquatic invertebrates.

**Persistence and degradability**

- Biodegradability** : Rapidly degradable.

**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

: Biodegradation: 72 - 100 %  
(After 28 days in a ready biodegradability test)

**Bioaccumulative potential**

**Bioaccumulation** : This material is not expected to bioaccumulate.

**Mobility in soil**

**Distribution among environmental compartments** : Type: Stability in soil  
Low potential for soil adsorption expected

: Type: Stability in water  
Hydrolytically stable.  
Molecular structure includes no hydrolysable functional groups.

**Other adverse effects**

**Environmental fate and pathways** : No additional information available.

**Other information**

**Additional ecological information** : No additional information available.

**13. Disposal considerations****Waste treatment methods**

Product : Comply with federal, state, or local regulations for disposal.  
Landfill solids at permitted sites.  
Burn concentrated liquids, diluting with clean, low viscosity fuel.  
Avoid flameouts and assure that emissions comply with all applicable standards/regulations.  
Dilute aqueous waste may biodegrade.  
Assure effluent complies with applicable regulations.

**14. TRANSPORT INFORMATION**

Not regulated for transport

**BLG (MARPOL Annex II)**

Description of the goods : PROPYLENE GLYCOL

**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

Pollution category : Z  
Ship type : NONE

**15. REGULATORY INFORMATION****TSCA 12b**

No substances are subject to TSCA 12(b) export notification requirements.

**Significant New Use Rules (SNUR)**

No substances are subject to a Significant New Use Rule.

**SARA 302/304**

This product contains no known chemicals regulated under SARA 302/304.

**SARA 311/312**

Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312:

No SARA Hazards
-----------------

**SARA 313**

This product contains no known chemicals regulated under SARA 313.

**State Reporting**

This material does not contain listed substance(s) known to the State of California to cause cancer, birth defects, or other reproductive harm that would require warning under the California Proposition 65 State Drinking Water and Toxic Enforcement Act.

However, LyondellBasell has not tested for the presence of listed chemical substances.

This product contains the following chemicals regulated by New Jersey's Worker and Community Right to Know Act:

57-55-6 Propylene Glycol

No components are subject to the Massachusetts Right to Know Act.

This product contains the following chemicals regulated by Pennsylvania's Right to Know Act:

57-55-6 Propylene Glycol

**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

**Other international regulations****Global Inventory Status**

The ingredients of this product are compliant with the following chemical inventory requirements or exemptions.

\*Additional Explanatory Status Statements follow the table, as necessary.

Country/Region	Inventory	Status Description
Australia	AICS	Compliant
Canada	DSL	Compliant
China	IECSC	Compliant
Europe	REACH	See REACH Compliance Statement
Japan	ENCS	Compliant
Korea	KECI	Compliant
New Zealand	NZIoC	Compliant
Philippines	PICCS	Compliant
United States of America	TSCA	Compliant
Taiwan	TCSCA	Compliant

*REACH status*

*If the product has been purchased from any company of the LyondellBasell group of companies registered in the European Union, we confirm that the chemical substance in this product has been registered under REACH, in accordance with the deadlines set forth in REACH. (Regulation (EU) No. 1907/2006)*

Contact [product.safety@lyb.com](mailto:product.safety@lyb.com) for additional global inventory information.

**16. OTHER INFORMATION****Material safety datasheet sections which have been updated:**

Revised Section(s): 15 16

**HMIS Classification**

: Health Hazard: 0  
Flammability: 1  
Physical hazards: 0



**PROPYLENE GLYCOL INDUSTRIAL**

Gen. Variant: SDS\_US\_GHS

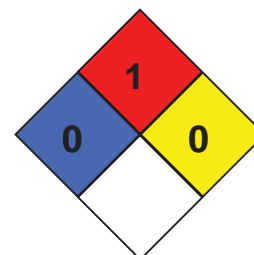
Version 1.4

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE130

**NFPA Classification** : Health Hazard: 0  
Fire Hazard: 1  
Instability: 0

**Disclaimer**

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative or visit the LyondellBasell website at: <https://www.lyondellbasell.com/en/products-technology/product-safety-stewardship/>  
The Trade Name referenced in section 1 is a trademark owned or used by the LyondellBasell family of companies.

**Numerical Data Presentation**

The presentation of numerical data, such as that used for physical and chemical properties and toxicological values, is expressed using a comma (,) to separate digits into groups of three and a period (.) as the decimal marker. For example, 1,234.56 mg/kg = 1 234,56 mg/kg.

**Language Translations**

The information presented in this document has been translated from English by a vendor LyondellBasell believes to be reliable. LyondellBasell and its vendor have made a good-faith effort to verify the accuracy of the translation, but assume no liability or other responsibility for any errors that may have occurred. Please refer to our web site ([www.lyondellbasell.com](http://www.lyondellbasell.com)) for the original document written in English.

**End of Material Safety Data Sheet**



# SAFETY DATA SHEET

THE DOW CHEMICAL COMPANY

**Product name:** 2-Ethylhexyl Acrylate, 50 ppm MEHQ

**Issue Date:** 11/25/2022

**Print Date:** 02/04/2023

---

THE DOW CHEMICAL COMPANY encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

---

## 1. IDENTIFICATION

---

**Product name:** 2-Ethylhexyl Acrylate, 50 ppm MEHQ

**Recommended use of the chemical and restrictions on use**

**Identified uses:** Chemical intermediate.

**Uses advised against:** Unreacted monomer is not appropriate for use in cosmetic applications, such as artificial nail products.

**COMPANY IDENTIFICATION**

THE DOW CHEMICAL COMPANY  
2211 H.H. DOW WAY  
MIDLAND MI 48674  
UNITED STATES

**Customer Information Number:**

800-258-2436  
SDSQuestion@dow.com

**EMERGENCY TELEPHONE NUMBER**

**24-Hour Emergency Contact:** CHEMTREC +1 800-424-9300

**Local Emergency Contact:** 800-424-9300

---

## 2. HAZARDS IDENTIFICATION

---

**Hazard classification**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids - Category 4

Skin irritation - Category 2

Skin sensitisation - Sub-category 1B

Specific target organ toxicity - single exposure - Category 3

**Label elements**

**Hazard pictograms**



Signal word: **WARNING!**

**Hazards**

Combustible liquid.  
Causes skin irritation.  
May cause an allergic skin reaction.  
May cause respiratory irritation.

**Precautionary statements**

**Prevention**

Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
Avoid breathing mist or vapours.  
Wash skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/ eye protection/ face protection.

**Response**

IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.  
In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

**Storage**

Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.

**Disposal**

Dispose of contents and/or container to an approved waste disposal plant.

**Other hazards**

No data available

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

**Synonyms:** Ethyl hexyl acrylate

This product is a substance.

**Substance name:** Ethyl hexyl acrylate

**CASRN:** 103-11-7



Component	CASRN	Concentration
Ethyl hexyl acrylate	103-11-7	>= 99.6 - <= 100.0 %

---

#### 4. FIRST AID MEASURES

---

##### Description of first aid measures

###### General advice:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** Move person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

**Skin contact:** Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation or rash occurs. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. Suitable emergency safety shower facility should be available in work area.

**Eye contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**Ingestion:** Do not induce vomiting. Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Do not give anything by mouth unless the person is fully conscious.

###### Most important symptoms and effects, both acute and delayed:

Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation.

###### Indication of any immediate medical attention and special treatment needed

**Notes to physician:** Maintain adequate ventilation and oxygenation of the patient. May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. If burn is present, treat as any thermal burn, after decontamination. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Because rapid absorption may occur through the lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician. Due to irritant properties, swallowing may result in burns and/or ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal or esophageal control if lavage is done. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reactive airways dysfunction syndrome).

---

## 5. FIREFIGHTING MEASURES

---

### Extinguishing media

**Suitable extinguishing media:** Alcohol-resistant foam. Dry chemical. Dry sand.

**Unsuitable extinguishing media:** High volume water jet. Do not use direct water stream..

### Special hazards arising from the substance or mixture

**Hazardous combustion products:** Carbon oxides.

**Unusual Fire and Explosion Hazards:** Flash back possible over considerable distance.. Exposure to combustion products may be a hazard to health.. Closed containers may rupture via pressure build-up when exposed to fire or extreme heat.. Vapours may form explosive mixtures with air..

### Advice for firefighters

**Fire Fighting Procedures:** Use water spray to cool unopened containers.. Evacuate area.. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage.. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed.. Do not use a solid water stream as it may scatter and spread fire..

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from fire area if it is safe to do so.

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.. Use personal protective equipment..

---

## 6. ACCIDENTAL RELEASE MEASURES

---

**Personal precautions, protective equipment and emergency procedures:** Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

**Environmental precautions:** Do not release the product to the aquatic environment above defined regulatory levels. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up:** Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. Clean up remaining materials from spill with suitable absorbant. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. See sections: 7, 8, 11, 12 and 13.

---

## 7. HANDLING AND STORAGE

---

**Precautions for safe handling:** Do not get on skin or clothing. Do not breathe vapours or spray mist. Avoid contact with eyes. Do not swallow. Keep container tightly closed. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all (M)SDS and label warnings even after container is emptied. Use with local exhaust ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

**Conditions for safe storage:** Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition. This product contains inhibitor to stabilize it during shipment and storage. The effectiveness of the inhibitor is dependent on the presence of dissolved oxygen. In order to maintain sufficient dissolved oxygen in the liquid to avoid polymerization, the monomer must always be stored with a vapor space oxygen concentration of 5% to 21% (air). If the material is stored longer than six months (from date of manufacture) in a closed container, replenish the vapor space with fresh air to avoid depletion of the dissolved oxygen.

### Storage stability

**Shelf life:** Use within 12 Month

**Storage temperature:** < 38 °C (< 100 °F)

Do not store with the following product types: Strong oxidizing agents. Explosives. Gases.  
Unsuitable materials for containers: None known.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Component	Regulation	Type of listing	Value
Ethyl hexyl acrylate	Dow IHG	TWA	3 ppm

### Exposure controls

**Engineering controls:** Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

### Individual protection measures

**Eye/face protection:** Use safety glasses (with side shields).

#### Skin protection

**Hand protection:** Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Styrene/butadiene rubber. Examples of acceptable glove barrier materials include: Butyl rubber. Avoid gloves made of: Viton. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body

reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Other protection:** Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

The following should be effective types of air-purifying respirators: Organic vapor cartridge.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

### Appearance

Physical state	Liquid.
Color	Colorless
Odor	Sweet
Odor Threshold	No test data available
pH	No test data available
Melting point/range	Not applicable to liquids
Freezing point	-90 °C ( -130 °F) <i>Literature</i>
Boiling point (760 mmHg)	216 °C ( 421 °F) <i>Literature</i>
Flash point	<b>closed cup</b> 82 °C ( 180 °F) <i>Literature</i>
Evaporation Rate (Butyl Acetate = 1)	0.3 <i>Literature</i>
Flammability (solid, gas)	Not applicable to liquids
Flammability (liquids)	Not expected to be a static-accumulating flammable liquid.
Lower explosion limit	0.7 % vol <i>Literature</i>
Upper explosion limit	8.2 % vol <i>Literature</i>
Vapor Pressure	0.12 mmHg at 20 °C (68 °F) <i>Literature</i>
Relative Vapor Density (air = 1)	6.4 <i>Literature</i>
Relative Density (water = 1)	0.885 <i>Literature</i>
Water solubility	0.1 g/L at 25 °C (77 °F) <i>Literature</i>
Partition coefficient: n-octanol/water	log Pow: 4.09 <i>Estimated.</i>
Auto-ignition temperature	252 °C (486 °F) <i>Literature</i>
Decomposition temperature	No data available
Dynamic Viscosity	1.54 cP at 25 °C (77 °F) <i>Literature</i>
Kinematic Viscosity	No test data available
Explosive properties	Not explosive
Oxidizing properties	No
Molecular weight	184.3 g/mol <i>Literature</i>

NOTE: The physical data presented above are typical values and should not be construed as a specification.

---

## **10. STABILITY AND REACTIVITY**

---

**Reactivity:** Excessive aging, heat, contamination with polymerization catalysts, oxygen-free atmosphere, inhibitor depletion or ultraviolet light (sunlight) may cause polymerization. Excessive aging, heat, contamination with polymerization catalysts, oxygen-free atmosphere, inhibitor depletion or ultraviolet light (sunlight) may cause polymerization.

**Chemical stability:** Unstable at elevated temperatures.

**Possibility of hazardous reactions:** Can react with strong oxidizing agents. Vapours may form explosive mixture with air. Combustible liquid. Inhibitor is added to this product to prevent polymerization. However, this material can undergo hazardous polymerization. An uncontrolled polymerization may produce a rapid release of energy with the potential for an explosion of unvented closed containers. Can react with strong oxidizing agents. Vapours may form explosive mixture with air. Inhibitor is added to this product to prevent polymerization. However, this material can undergo hazardous polymerization.

**Conditions to avoid:** Exposure to elevated temperatures can cause product to decompose. Do not blanket or purge with an inert gas to avoid depleting the oxygen concentration. Avoid direct sunlight or ultraviolet sources. Heat, flames and sparks.

**Inhibitor:** Methoxyphenol Inhibitor Concentration (ppm): 40 - 60  
Phenothiazine Inhibitor Concentration (ppm): 0.4 - 1.6

**Incompatible materials:** Avoid contact with oxidizing materials.

### **Hazardous decomposition products**

No hazardous decomposition products are known.

---

## **11. TOXICOLOGICAL INFORMATION**

---

*Toxicological information appears in this section when such data is available.*

### **Information on likely routes of exposure**

Inhalation, Eye contact, Skin contact, Ingestion.

**Acute toxicity (represents short term exposures with immediate effects - no chronic/delayed effects known unless otherwise noted)**

#### **Acute Toxicity Endpoints:**

Not classified based on available information.

#### **Acute oral toxicity**

**Information for the Product:**

Low toxicity if swallowed. Swallowing may result in gastrointestinal irritation or ulceration. Swallowing may result in burns of the mouth and throat.

Based on product testing:

LD50, Rat, male and female, 4,435 mg/kg OECD 401 or equivalent

**Information for components:**

**Ethyl hexyl acrylate**

LD50, Rat, male and female, 4,435 mg/kg OECD 401 or equivalent

**Acute dermal toxicity**

**Information for the Product:**

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Based on product testing:

LD50, Rabbit, 7,522 mg/kg

**Information for components:**

**Ethyl hexyl acrylate**

LD50, Rabbit, 7,522 mg/kg

**Acute inhalation toxicity**

**Information for the Product:**

Prolonged excessive exposure may cause adverse effects. Excessive exposure may cause severe irritation to upper respiratory tract (nose and throat) and lungs. Signs and symptoms of excessive exposure may include: May cause dizziness and drowsiness. Headache. May cause pulmonary edema (fluid in the lungs.) Effects may be delayed.

LC50, Rat, male and female, 8 Hour, vapour, > 1.19 mg/l No deaths occurred following exposure to a saturated atmosphere.

**Information for components:**

**Ethyl hexyl acrylate**

LC50, Rat, male and female, 8 Hour, vapour, > 1.19 mg/l Other guidelines No deaths occurred following exposure to a saturated atmosphere.

**Skin corrosion/irritation**

Causes skin irritation.

**Information for the Product:**

Based on product testing:

Brief contact may cause severe skin irritation with pain and local redness.

Repeated contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.

**Information for components:**

**Ethyl hexyl acrylate**

Brief contact may cause severe skin irritation with pain and local redness.

Repeated contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Information for the Product:**

Based on product testing:

May cause slight temporary eye irritation.

Corneal injury is unlikely.

**Information for components:**

**Ethyl hexyl acrylate**

May cause slight temporary eye irritation.

Corneal injury is unlikely.

**Sensitization**

**For skin sensitization:**

May cause an allergic skin reaction.

**For respiratory sensitization:**

Not classified based on available information.

**Information for the Product:**

For skin sensitization:

Has caused allergic skin reactions in humans.

Has caused allergic skin reactions when tested in guinea pigs.

Has demonstrated the potential for contact allergy in mice.

For respiratory sensitization:

No relevant data found.

**Information for components:**

**Ethyl hexyl acrylate**

For skin sensitization:

Has caused allergic skin reactions in humans.

Has caused allergic skin reactions when tested in guinea pigs.

Has demonstrated the potential for contact allergy in mice.

For respiratory sensitization:

No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

May cause respiratory irritation.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Ethyl hexyl acrylate**

May cause respiratory irritation.

Route of Exposure: Inhalation

Target Organs: Respiratory system

**Aspiration Hazard**

Not classified based on available information.

**Information for the Product:**

Aspiration into the respiratory system may occur during ingestion or vomiting. Due to corrosivity, tissue damage or lung injury may occur.

**Information for components:**

**Ethyl hexyl acrylate**

Aspiration into the respiratory system may occur during ingestion or vomiting. Due to corrosivity, tissue damage or lung injury may occur.

**Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)**

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Not classified based on available information.

**Information for the Product:**

In animals, effects have been reported on the following organs:  
Respiratory tract.

**Information for components:**

**Ethyl hexyl acrylate**

In animals, effects have been reported on the following organs:  
Respiratory tract.

**Carcinogenicity**

Not classified based on available information.

**Information for the Product:**

Has caused tumors in skin painting tests in animals. Positive findings are believed to be secondary to chronic irritation/tissue injury.

**Information for components:**



**Ethyl hexyl acrylate**

Has caused tumors in skin painting tests in animals. Positive findings are believed to be secondary to chronic irritation/tissue injury.

**Carcinogenicity**

**Component**

**Ethyl hexyl acrylate**

**List**

IARC

**Classification**

Group 2B: Possibly carcinogenic to humans

**Teratogenicity**

Not classified based on available information.

**Information for the Product:**

Did not cause birth defects or other effects in the fetus even at doses which caused toxic effects in the mother.

**Information for components:**

**Ethyl hexyl acrylate**

Did not cause birth defects or other effects in the fetus even at doses which caused toxic effects in the mother.

**Reproductive toxicity**

Not classified based on available information.

**Information for the Product:**

In animal studies, did not interfere with reproduction. In animal studies, did not interfere with fertility.

**Information for components:**

**Ethyl hexyl acrylate**

In animal studies, did not interfere with reproduction. In animal studies, did not interfere with fertility.

**Mutagenicity**

Not classified based on available information.

**Information for the Product:**

In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.

**Information for components:**

**Ethyl hexyl acrylate**

In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.

---

## 12. ECOLOGICAL INFORMATION

---

*Ecotoxicological information appears in this section when such data is available.*

### General Information

Material is toxic to aquatic organisms (LC50/EC50/IC50 between 1 and 10 mg/L in the most sensitive species).

### Toxicity

#### Acute toxicity to fish

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested).

LC50, *Oncorhynchus mykiss* (rainbow trout), semi-static test, 1.81 mg/l, OECD Test Guideline 203 or Equivalent

#### Acute toxicity to aquatic invertebrates

EC50, *Daphnia magna* (Water flea), static test, 48 Hour, 1.3 mg/l, OECD Test Guideline 202 or Equivalent

#### Acute toxicity to algae/aquatic plants

ErC50, *Desmodesmus subspicatus* (green algae), static test, 72 Hour, Growth rate inhibition, 1.71 mg/l, OECD Test Guideline 201 or Equivalent

#### Long-term (chronic) aquatic hazard

##### Chronic toxicity to aquatic invertebrates

NOEC, *Daphnia magna* (Water flea), 21 d, number of offspring, 0.19 mg/l

### Persistence and degradability

**Biodegradability:** Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

10-day Window: Pass

**Biodegradation:** 70 - 80 %

**Exposure time:** 15 d

10-day Window: Not applicable

**Biodegradation:** > 90 %

**Exposure time:** 14 d

**Method:** OECD Test Guideline 301C or Equivalent

**Theoretical Oxygen Demand:** 2.60 mg/mg

### Biological oxygen demand (BOD)

Incubation Time	BOD
5 d	17 - 27 %
10 d	19 - 52 %
20 d	19 - 58 %

### Photodegradation

**Test Type:** Half-life (indirect photolysis)

**Sensitization:** OH radicals  
**Atmospheric half-life:** 6.4 Hour  
**Method:** Estimated.

**Bioaccumulative potential**

**Bioaccumulation:** Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

**Partition coefficient: n-octanol/water(log Pow):** 4.09 Estimated.

**Bioconcentration factor (BCF):** 270 - 282 Fish Estimated.

**Mobility in soil**

**Partition coefficient (Koc):** 429 Estimated.

---

---

**13. DISPOSAL CONSIDERATIONS**

---

**Disposal methods:** DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. FOR UNUSED AND UNCONTAMINATED PRODUCT, always send to a licensed disposer per applicable regulations. Consult the local waste disposal expert for the appropriate waste disposal method. Recover or recycle, if possible. Otherwise, send it to a licensed disposer.

**Contaminated packaging:** Empty containers retain product residues. Follow label warnings even after container is emptied. Improper disposal or reuse of this container may be dangerous and illegal. Refer to applicable federal, state and local regulations.

---

---

**14. TRANSPORT INFORMATION**

---

**DOT**

<b>Proper shipping name</b>	Combustible liquid, n.o.s.(2-Ethyl hexyl acrylate)
<b>UN number</b>	NA 1993
<b>Class</b>	CBL
<b>Packing group</b>	III

**Classification for SEA transport (IMO-IMDG):**

	Not regulated for transport
<b>Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code</b>	Consult IMO regulations before transporting ocean bulk

**Classification for AIR transport (IATA/ICAO):**

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

---

---

## **15. REGULATORY INFORMATION**

---

### **Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312**

Flammable (gases, aerosols, liquids, or solids)  
Respiratory or skin sensitisation  
Skin corrosion or irritation  
Specific target organ toxicity (single or repeated exposure)

### **Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **Pennsylvania Worker and Community Right-To-Know Act:**

The following chemicals are listed because of the additional requirements of Pennsylvania law:

<b>Components</b>	<b>CASRN</b>
2-Ethylhexyl acrylate	103-11-7

### **California Prop. 65**

WARNING: This product can expose you to chemicals including Ethyl hexyl acrylate, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### **United States TSCA Inventory (TSCA)**

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

---

---

## **16. OTHER INFORMATION**

---

### **Product Literature**

Additional information on this product may be obtained by calling your sales or customer service contact. Ask for a product brochure. Additional information on this and other products may be obtained by visiting our web page.

### **Hazard Rating System**

**NFPA**

Health	Flammability	Instability
2	2	2

**Revision**

Identification Number: 241035 / A001 / Issue Date: 11/25/2022 / Version: 9.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

**Legend**

Dow IHG	Dow Industrial Hygiene Guideline
TWA	Time weighted average

**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Information Source and References**

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

THE DOW CHEMICAL COMPANY urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown

above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

US



## SAFETY DATA SHEET

### SECTION 1 - Identification

#### 1.1 Product Identifier

- Product Name • CARPOL® GP-3510 Polyol  
Synonyms • Polyether Polyol; Glycerine-Propoxylated-Ethoxylated Polyol

#### 1.2 Recommended Use of the Chemical and Restrictions on Use

- Recommended Use • Component of Polyurethane  
Restrictions on Use • Industrial use only

#### 1.3 Details of the Supplier of the Safety Data Sheet

- Manufacturer • Carpenter Co.  
5016 Monument Ave.  
Richmond, Virginia 23230  
(804) 233-0606

#### 1.4 Emergency Telephone

- Chemtrec • (800) 424-9300 (24-hr number)

### SECTION 2 - Hazards Identification

#### 2.1 Classification of the Substance or Mixture

This material is not classified as hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### 2.2 GHS Label Elements

This material is not classified as hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### 2.3 Hazards Not Otherwise Classified

None identified

### SECTION 3 - Composition/Information on Ingredients

#### 3.1 Substance

Name	Identifier	% (weight)
Polyether Polyol	CAS# 9082-00-2	100

#### 3.2 Mixtures

Material does not meet the criteria of a mixture according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

## SECTION 4 - First Aid Measures

### 4.1 Description of First Aid Measures

- |                            |  |
|----------------------------|--|
| By route of inhalation     | • Remove victim to fresh air.  |
| By route of dermal contact | • Wash thoroughly with soap and water.   |
| By route of eye contact    | • Flush with plenty of water.  |
| By route of ingestion      | • If victim is conscious, give 1 to 2 glasses of water.<br>Do not induce vomiting unless directed to do so by medical personnel. |

### 4.2 Most Important Symptoms and Effects, Acute and Chronic

Refer to Section 11 Toxicological Information.

### 4.3 Indication of Immediate Medical Attention and Special Treatment If Needed

Treat symptomatically and supportively.

## SECTION 5 - Firefighting Measures

### 5.1 Extinguishing Media

- |                                |  |
|--------------------------------|--|
| Suitable Extinguishing Media   | • Dry chemical, foam, carbon dioxide, water fog or fine spray. |
| Unsuitable Extinguishing Media | • Do not use direct water spray. May spread fire.              |

### 5.2 Special Hazards Arising From the Substance or Mixture

- May produce oxides of carbon on combustion. Smoke may be toxic and/or irritating.

### 5.3 Special Protective Actions for Firefighters

- Responding personnel must wear positive-pressure, self-contained breathing apparatus (SCBA) and protective firefighting clothing. Spray cool water on fire exposed containers to reduce risk of rupture.

## SECTION 6 - Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

- Isolate the area. Keep unauthorized people away. Do not touch or walk through the spilled material. Spilled material may be slippery. Ensure adequate ventilation in enclosed area. Eliminate all ignition sources. Use protective equipment appropriate for the size of the spill.

### 6.2 Environmental Precautions

- Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.



### 6.3 Methods and Materials for Containment and Clean Up

Methods	<ul style="list-style-type: none"> <li>• Stop leak, dam spill, and transfer liquid into a suitable container.</li> <li>• Collect residue with absorbent and transfer into a suitable container for proper disposal.</li> </ul>
Materials	<ul style="list-style-type: none"> <li>• Inert absorbent (sand, earth or similar).</li> </ul>

### 6.4 Reference to Other Sections

- Refer to Section 8 for exposure control and personal protective equipment information.
- Refer to Section 12 for ecological information.

## SECTION 7: Handling and Storage

### 7.1 Precautions for Safe Handling

- Keep containers tightly closed when not in use.
- Do not eat, drink, or smoke in working area.
- Avoid contact with eyes and minimize contact with skin
- Use good safety and industrial hygiene practices.
- Wash thoroughly after handling.

### 7.2 Conditions for Safe Storage, Including any Incompatibilities

Storage	<ul style="list-style-type: none"> <li>• Store materials in a cool, dry place. Do not transport with oxidizers.</li> </ul>
Incompatibilities	<ul style="list-style-type: none"> <li>•Oxidizing materials, strong alkalis and acids, Isocyanates.</li> </ul>

## SECTION 8: Exposure Controls/ Personal Protection

### 8.1 Control Parameters

Exposure Limits/Guidelines	<ul style="list-style-type: none"> <li>• None established.</li> </ul>
----------------------------	---

### 8.2 Exposure Controls

Engineering Controls	<ul style="list-style-type: none"> <li>• Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable exposure limits.</li> </ul>
Eye/Face Protection	<ul style="list-style-type: none"> <li>• Safety glasses with side shields. Chemical goggles if there is a significant risk of splashing.</li> </ul>
Respiratory Protection	<ul style="list-style-type: none"> <li>• None required under normal use. If product is heated or sprayed, appropriate respiratory protection may be needed.</li> </ul>
Skin Protection	<ul style="list-style-type: none"> <li>• Wear suitable working clothes and shoes.</li> </ul>

- Depending on the potential for exposure, chemical resistant gloves may not be needed (e.g. incidental use). As with any chemical, skin contact should be minimized with good work practices and PPE where needed. Wear chemical resistant gloves appropriate for the intended use. Consult glove manufacturers for assistance in choosing appropriate gloves.

Ingestion

- Do not eat, drink or smoke in work area. Wash hands before eating or smoking.

Additional Protection Measures

- None

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	• Liquid	Odor	• Low odor
Color	• Clear	Odor Threshold	• No data available
General Properties			
Boiling Point	• No data available	Melting Point	• No data available
Decomposition Temperature	• No data available	pH	• 7.0 (ave)
Density (at 25°C)	• No data available	Water Solubility	• Low
Solvent Solubility	• No data available	Viscosity (at 25°C)	• No data available
Explosive Properties	• No data available	Specific Gravity/Relative Density	• 1.01 (H <sub>2</sub> O=1)
Volatility			
Vapor Pressure	• No data available	Vapor Density	• No data available
Evaporation Rate	• No data available	VOC (Vol.)	• No data available
Volatiles (Vol.)	• No data available		
Flammability			
Flash Point	• >200°F (PMCC)	LEL	• No data available
UEL	• No data available	Flammability (solid, gas)	• No data available
Auto-ignition Temperature	• No data available		
Environmental			
Octanol/Water Partition Coefficient	• No data available		

### 9.2. Other Information

No additional information available

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical Stability

Stable under normal temperatures and pressures.

### 10.3 Possibility of Hazardous Reactions

No hazardous reactions if handled and stored as recommended.

### 10.4 Conditions to Avoid

Elevated temperatures

### 10.5 Incompatible Materials

Oxidizing materials, strong alkalis and acids, isocyanates.

### 10.6 Hazardous Decomposition Products

No data available.

## SECTION 11: Toxicological Information

### 11.1 Information on Toxicological Effects

#### Acute Toxicity

Chemical	CAS #	LD <sub>50</sub> oral rat	LD <sub>50</sub> dermal rabbit	LC <sub>50</sub> inhalation rat
Polyether Polyol	9082-00-2	>2000 mg/kg	>2000 mg/kg	Not available

#### Skin Corrosion/Irritation

- Based on available information, skin corrosion/irritation is not expected under normal conditions of use.

#### Serious Eye Damage/Irritation

- Based on available information, eye damage/irritation criteria are not met.

#### Respiratory or Skin Sensitization

- Based on available information, sensitization criteria are not met.

#### Germ Cell Mutagenicity

- Available studies have not indicated this material to be a mutagen.

#### Carcinogenicity

- This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP.

#### Reproductive Toxicity

- No data available

#### Specific Target Organ Toxicity (single exposure)

- No data available

#### Specific Target Organ Toxicity (repeated exposure)

- No data available

#### Aspiration Hazard

- No data available

### 11.2 Potential Health Effects

#### Inhalation

- |         |  |
|---------|--|
| Acute   | • Not expected to be a hazard due to low vapor pressure. |
| Chronic | • None known.  |

**Skin**

- |         |               |
|---------|---------------|
| Acute   | • None known. |
| Chronic | • None known. |

**Eye**

- |         |                              |
|---------|------------------------------|
| Acute   | • May cause mild irritation. |
| Chronic | • None known.                |

**Ingestion**

- |         |  |
|---------|--|
| Acute   | • Small amounts swallowed may cause gastrointestinal discomfort. |
| Chronic | • None known.  |

**SECTION 12: Ecological Information**

**12.1 Ecotoxicity**

This product is not expected to cause significant effects in the aquatic environment.

**12.2 Persistence and Degradability**

No data available

**12.3 Bioaccumulative Potential**

No data available

**12.4 Mobility in Soil**

No data available

**12.5 Other Adverse Effects**

No data available

**SECTION 13: Disposal Considerations**

**13.1 Waste Disposal Method**

Product Waste

- Do not dump into any sewers, on the ground, or into any body of water.
- All disposal methods must be in compliance with Federal, State/Provincial, and local regulations.

Packaging Waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**SECTION 14: Transport Information**

**U.S. DOT/IATA/IMDG/ADR/RID**

Not regulated as hazardous for shipment.

## SECTION 15: Regulatory Information

### 15.1 Regulatory Status

**CERCLA Hazardous Substances (40 CFR 302):** None reportable.

**SARA 311/312:** None reportable.

**SARA 313:** None reportable.

### 15.2 US State Regulations

**STATE RIGHT-TO-KNOW:** To the best of our knowledge, this product contains no chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. (California Health and Safety Code Section 25249.6).

### 15.3 Canadian Regulations

**DSL:** All components of this product are listed on, or exempt from the DSL.

### 15.4 International Inventories\*

**United States:** All components of this product are listed on the TSCA inventory.

**Australia:** All components of this product are listed on the AICS.

**China:** All components of this product are listed on the IECSC.

**Japan:** All components of this product listed on the ENCS.

**Korea:** All components of this product are listed on the ECL.

**Philippines (PICCS):** All components of this product are listed on the PICCS.

**REACH:** Listed as a registered substance.

\*=Although a chemical may be listed on a country's inventory, it may not indicate a hazard or regulatory control for use.

## SECTION 16: Other Information

### 16.1 HMIS AND NFPA RATINGS

#### HMIS Classification

Health: 0

Flammability: 1

Reactivity: 0

#### NFPA Ratings

Health: 0

Flammability: 1

Instability: 0

Special: None

### 16.2 EU CLP Relevant Phrase

Not classified

### 16.3 Preparation By

I.H. Department

### 16.4 Preparation Date

April 3, 2011

### 16.5 Last Revision Date

May 22, 2020 – Sections 1 and 15

### 16.6 Disclaimer/Statement of Liability

The data in this Safety Data Sheet is offered for your consideration, investigation and verification. The data is presented in good faith and was obtained from sources Carpenter believes to be reliable. Carpenter, however, makes no representation as to the completeness or accuracy. Carpenter makes no warranty, express or implied, with respect to the data contained herein. Carpenter cannot anticipate all conditions under which this data and the product may be used. The conditions of handling, storage, use, and disposal of the product are beyond Carpenter's control. Thus, we expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information contained herein. You are advised to make your own determination as to safety, suitability and appropriate manner of handling, storage, use and disposal.

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : PROPYLENE GLYCOL USP/EP  
Synonyms : Propylene Glycol, 1,2-Propanediol, 1,2-Dihydroxypropane, Monopropylene Glycol  
Substance name : 1,2-Propanediol  
Substance No. : 200-338-0 (EINECS)  
Chemical characterization : Glycols

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Solvent; Intermediate; Functional Fluids  
Prohibited uses : Active pharmaceutical ingredient (API); Tobacco; Electronic cigarettes (E-cigarettes); Cannabis; Theater fogs; Artificial smoke; Cat food; Sprinkler systems over 30%

#### 1.3 Details of the supplier of the safety data sheet

Company	Registration number	Telephone
E-mail address :		
Responsible/issuing person		

#### 1.4 Emergency telephone number

**Poison Center:**  
National Poisons Information Service  
UK: +44 131 242 1383  
24 hours all days

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**  
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

**Labeling (REGULATION (EC) No 1272/2008)**  
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Substance name : 1,2-Propanediol  
EC-No. : 200-338-0 (EINECS)

#### Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
Propylene Glycol	57-55-6 200-338-0	>= 99.5

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

General advice : May cause irritation of the eyes, skin and mucous membranes.  
Always observe self-protection methods  
Move out of dangerous area.  
Remove contaminated shoes and clothing.  
Show this material safety data sheet to the doctor in attendance.

If inhaled : Remove to fresh air.  
In the case of inhalation of aerosol/mist consult a physician if necessary.  
Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  
Avoid inhalation of hot vapors or extremely high concentrations of aerosols.

In case of skin contact : Wash skin thoroughly with mild soap and water.

In case of eye contact : Flush eyes with water thoroughly and continuously for 15 minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : High doses may cause CNS depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe over-exposure).

Risks : May cause eye, skin, and respiratory tract irritation.



# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.  
Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : SMALL FIRE: Use dry chemicals, CO<sub>2</sub>, water spray or alcohol-resistant foam. LARGE FIRE: Use water spray, water fog or alcohol-resistant foam.

Unsuitable extinguishing media : Do not use solid water stream.

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be combustible at temperatures below normal flash point. Fight fire from a safe distance/protected location. Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Use water spray/fog for cooling. Avoid frothing/steam explosion. Although water soluble, may not be practical to extinguish fire by water dilution. Notify authorities immediately if liquid enters sewer/public waters.

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighter's protective clothing will only provide limited protection.

---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Clean-up to be performed only by trained and properly equipped personnel.

### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

---

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version	Revision Date:	SDS Number:	Date of last issue: 11/05/2021
1.9	01/16/2023	BE129	Date of first issue: 11/29/2010

---

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Extinguish ignition sources; stop release; prevent flow to sewers or public waters.  
Notify fire and environmental authorities.  
Impound/recover large land spill; soak up small spill with inert solids.  
Soak up small spills with inert solids.  
Use suitable disposal containers.  
On water, material is soluble and may float or sink.  
Contain/collect rapidly to minimize dispersion.  
Disperse residue to reduce aquatic harm.  
Report per regulatory requirements.

### 6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Handle empty containers with care - residue can burn if heated.  
Empty containers should be thoroughly rinsed with copious amounts of clean water.  
The rinse water can be used for makeup water for any necessary dilution of the concentrated product before use, or it can be properly discarded.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Take off contaminated clothing and wash before reuse.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Handle empty containers with care - residue may be combustible. Empty containers should be thoroughly rinsed with copious amounts of clean water. The rinse water can be used for makeup water for any necessary dilution of the concentrated product before use, or it can be properly discarded.

Advice on common storage : Carbon/Mild steel with suitable internal coating, or stainless steel

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : See Section 1.2.  
Development of Exposure Scenarios for such use are not required by the REACH Regulation other than what is provided in other sections of this SDS.

No use-specific Risk Management Measures are proposed.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Propylene Glycol	57-55-6	STEL (particulate)	30 mg/m <sup>3</sup>	WEL (GB)
		TWA (particulate)	10 mg/m <sup>3</sup>	WEL (GB)
		STEL (total vapour and particulates)	450 ppm 1,422 mg/m <sup>3</sup>	WEL (GB)
		TWA (total vapour and particulates)	150 ppm 474 mg/m <sup>3</sup>	WEL (GB)

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
1,2-Propanediol	Workers	Inhalation	Long term	168 mg/m <sup>3</sup>
	Remarks: Systemic effects			
	Workers	Inhalation	Long term	10 mg/m <sup>3</sup>
Remarks: Local effects				
	General Population	Inhalation		50 mg/m <sup>3</sup>
Remarks: Systemic effects				
	General Population	Inhalation		10 mg/m <sup>3</sup>
Remarks: Local effects				

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
1,2-Propanediol	Fresh water	260 mg/l
	Remarks: Assessment factor - 50	
	Sea water	26 mg/l
Remarks: Assessment factor - 500		
	Water	183 mg/l
Remarks: Intermittent Releases, Assessment factor -100		
	Fresh water sediment	572 mg/kg dw
	Sea sediment	57.2 mg/kg dw

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

	Soil	50 mg/kg dw
	Sewage Treatment Plant	20000 mg/l
	Remarks:Assessment factor -1	

### 8.2 Exposure controls

#### Engineering measures

No special ventilation is recommended under anticipated conditions of normal use beyond that needed for normal comfort control.

#### Personal protective equipment

- Eye protection : Use splash goggles when eye contact due to splashing or spraying liquid is possible.
- Hand protection  
Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.
- Remarks : Not normally considered a skin hazard.
- Skin and body protection : No special clothing/skin protection equipment is recommended under normal conditions of anticipated use.  
Where use can result in skin contact, practice good personal hygiene.
- Respiratory protection : No special respiratory protection equipment is recommended under anticipated conditions of normal use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid (20 °C, 1,013.25 hPa)
- Color : clear
- Odor : Little or no odor.
- Odor Threshold : No value available.
- pH : no data available
- Melting point/range : < -20 °C
- Boiling point/boiling range : 184 °C (1003.20 hPa)
- Flash point : 104 °C(1000.010 hPa)
- Flammability (solid, gas) : Not applicable
- Upper explosion limit / Upper flammability limit : ~ 17.4 vol%
- Lower explosion limit / Lower flammability limit : ~ 2.4 vol%

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9	Revision Date: 01/16/2023	SDS Number: BE129	Date of last issue: 11/05/2021 Date of first issue: 11/29/2010
----------------	------------------------------	----------------------	---

---

Vapor pressure	:	0.2 hPa (25 °C)
Relative vapor density	:	no data available
Density	:	1.03 g/cm <sup>3</sup> (20 °C)
Solubility(ies) Water solubility	:	completely soluble (20 °C) pH: 7.1 - 7.8
Partition coefficient: n- octanol/water	:	log Pow: -1.07 (20.5 °C) pH: 6.2 - 6.4
Decomposition temperature	:	Incomplete combustion may produce carbon monoxide and other toxic gases.
Viscosity Viscosity, kinematic	:	42.1 mm <sup>2</sup> /s (25 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

### 9.2 Other information

Surface tension	:	71.6 mN/m, 1.01 g/l, 21.5 °C
Self-ignition	:	> 400 °C

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	Not expected to occur. This material is stable when properly handled and stored.
---------------------	---	--

### 10.4 Conditions to avoid

Conditions to avoid	:	High temperatures, oxidizing conditions. May degrade when exposed to light or other radiation sources.
---------------------	---	---

### 10.5 Incompatible materials

Materials to avoid	:	Reacts with strong oxidizing agents. Strong acids. Isocyanates.
--------------------	---	---

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### 10.6 Hazardous decomposition products

Combustion may produce oxides of carbon and other toxic gases.

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Components:

##### **Propylene Glycol:**

Acute oral toxicity : LD50 Oral (Rat): 22,000 mg/kg

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

#### Skin corrosion/irritation

##### Product:

Remarks : Based on skin irritation values, not classified.  
May cause slight transient skin irritation.

##### Components:

##### **Propylene Glycol:**

Assessment : Non-irritating to the skin.

#### Serious eye damage/eye irritation

##### Product:

Remarks : May produce minimal, fully reversible eye irritation.

##### Components:

##### **Propylene Glycol:**

Assessment : Non-irritating to the eyes.

#### Respiratory or skin sensitization

##### Product:

Test Type : Respiratory sensitization  
Remarks : no data available

Test Type : Skin sensitization  
Remarks : Skin reactions of unknown etiology have been described in some hypersensitive individuals following topical application.

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### Components:

#### **Propylene Glycol:**

Assessment : Not sensitizing

### **Germ cell mutagenicity**

#### Product:

Germ cell mutagenicity- Assessment : No adverse effect observed.

### Components:

#### **Propylene Glycol:**

Germ cell mutagenicity- Assessment : Negative for genotoxicity using both in vitro and in vivo tests.

### **Carcinogenicity**

#### Product:

Carcinogenicity - Assessment : No adverse effect observed.

### Components:

#### **Propylene Glycol:**

Carcinogenicity - Assessment : No increase in tumors was noted in rats and dogs exposed to high concentrations of propylene glycol via the diet for up to 2 years. The incidence of skin tumors was unaltered in mice following dermal application over a lifetime.

### **Reproductive toxicity**

#### Product:

Reproductive toxicity - Assessment : No adverse effect observed.  
No adverse effect observed.

### Components:

#### **Propylene Glycol:**

Reproductive toxicity - Assessment : No adverse effect on reproductive performance was seen in male and female mice exposed continuously to high doses of propylene glycol in drinking water for up to 3 months. Results from studies in pregnant rats, mice, hamsters and rabbits demonstrate that propylene glycol is not teratogenic or fetotoxic.

### **STOT-single exposure**

#### Product:

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

Assessment : Based on single exposure toxicity values, not classified.

### **Components:**

#### **Propylene Glycol:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### **STOT-repeated exposure**

#### **Product:**

Assessment : Based on repeated exposure toxicity values, not classified., Propylene glycol is of low inherent toxicity in rats and dogs after repeated oral exposure, while cats show species-specific hematological changes in red blood cells (other tissues unremarkable). Rats exposed repeatedly to high aerosol concentrations exhibited signs consistent with irritation of the eyes and nasal mucosa but showed no evidence of systemic toxicity.

### **Components:**

#### **Propylene Glycol:**

Assessment : Long-term studies in rodents conducted with high oral doses found no evidence of adverse effects. Ingestion by cats, however, results in species-specific hematological changes.

### **Repeated dose toxicity**

#### **Components:**

#### **Propylene Glycol:**

Species : Rat, male  
NOAEL : 1,700 mg/kg  
Application Route : Oral  
Remarks : Long-term studies in rodents conducted with high oral doses found no evidence of adverse effects. Ingestion by cats, however, results in species-specific hematological changes.

Species : Rat  
LOAEL : 0.16 mg/l  
Application Route : Inhalation  
Remarks : High aerosol concentrations inhaled by rats caused minor nasal and ocular signs that may have been due to mild irritation or drying effects on mucous membranes.

### **Further information**

#### **Product:**

Remarks : no data available



# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### Components:

#### **Propylene Glycol:**

Remarks : Propylene glycol is of low acute toxicity after ingestion or skin contact. It is not a skin irritant, although repeated contact with undiluted product may dry the skin resulting in cracking and/or fissuring. It is not a skin sensitizer, however skin reactions of unknown etiology have been described in some hypersensitive individuals following topical application. Neat liquid may also produce minimal, fully reversible eye irritation. Propylene glycol is of low inherent toxicity in rats and dogs after repeated oral exposure, while cats show species-specific hematological changes in red blood cells (other tissues unremarkable). Rats exposed repeatedly to high aerosol concentrations exhibited signs consistent with irritation of the eyes and nasal mucosa but showed no evidence of systemic toxicity. Results from studies in pregnant rats, mice, hamsters and rabbits demonstrate that propylene glycol is not a teratogen while no adverse effect on reproductive performance was apparent in male and female mice exposed continuously to high doses of propylene glycol in drinking water for up to 3 months. It is not genotoxic in vitro or in vivo. There was no increase in tumors in rats or dogs exposed to high concentrations of propylene glycol via the diet for up to 2 years, while the incidence of skin tumors was unaltered in mice following dermal application over a lifetime.

---

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : Based on acute aquatic toxicity values, not classified.

Chronic aquatic toxicity : Not classified, based on readily biodegradability and low acute toxicity.

#### Components:

#### **Propylene Glycol:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l  
Exposure time: 96 HOURS

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia): 18,340 mg/l  
Exposure time: 48 HOURS

EC50 (Americamysis bahia (Mysid shrimp)): 18,800 mg/l  
Exposure time: 96 HOURS

Toxicity to algae/aquatic : EC50 (Pseudokirchneriella subcapita (formerly Selenastrum

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

plants      capricornutum): 19,000 mg/l  
Exposure time: 96 HOURS

EC50 (Skeletonema costatum): 19,100 mg/l  
Exposure time: 96 HOURS

Toxicity to microorganisms : NOEC (Pseudomonas putida): 20,000 mg/l  
Exposure time: 18 HOURS

Toxicity to fish (Chronic toxicity) : Remarks: Not expected to exhibit chronic toxicity to fish.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 13,020 mg/l  
Exposure time: 7 DAY  
Species: Ceriodaphnia dubia

### 12.2 Persistence and degradability

#### Components:

##### **Propylene Glycol:**

Biodegradability : Result: Biodegradable  
Biodegradation: 72 - 100 %

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: This material is not expected to bioaccumulate.

#### Components:

##### **Propylene Glycol:**

Bioaccumulation : Bioconcentration factor (BCF): 0.09  
Remarks: This material is not expected to bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: -1.07 (20.5 °C)

### 12.4 Mobility in soil

#### Product:

Distribution among environmental compartments : Stability in soil  
Remarks: Low potential for soil adsorption expected

#### Components:

##### **Propylene Glycol:**

Distribution among environmental compartments : Remarks: Environmental releases of propylene glycol will tend to partition to water and soil, with little potential for evaporation.

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : Not applicable.

**Components:**

**Propylene Glycol:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

### 12.6 Other adverse effects

**Product:**

Environmental fate and pathways : No additional information available.

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Components:**

**Propylene Glycol:**

Environmental fate and pathways : This material is not expected to persist in the environment and should pose little if any physical or toxicological hazards.

Additional ecological information : This material is expected to be non-hazardous to aquatic species.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal.  
Landfill solids at permitted sites.  
Burn concentrated liquids, diluting with clean, low viscosity fuel.  
Dilute aqueous waste may biodegrade.  
Assure effluent complies with applicable regulations.

---

## SECTION 14: Transport information

### 14.1 UN number

Not regulated for transport

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

---

### 14.2 UN proper shipping name

Not regulated for transport

### 14.3 Transport hazard class(es)

Not regulated for transport

### 14.4 Packing group

Not regulated for transport

### 14.5 Environmental hazards

Not applicable

### 14.6 Special precautions for user

No special precautions required.

### 14.7 Maritime transport in bulk according to IMO instruments

Description of the goods	PROPYLENE GLYCOL
Pollution category	OS
Ship type	NONE

---

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Other international regulations

#### Global Inventory Status

The ingredients of this product are compliant with the following chemical inventory requirements or exemptions.

Country/Region	Inventory	Status Description
Australia	AICS	Listed
Canada	DSL	Listed
China	IECSC	Listed
Europe	REACH	See Compliance Statement*
Japan	ENCS	Listed
Korea	K REACH	Pre-registration period *
New Zealand	NZIoC	Listed
Philippines	PICCS	Listed
United Kingdom	UK REACH	See Compliance Statement*
United States of America	TSCA	Listed

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version 1.9      Revision Date: 01/16/2023      SDS Number: BE129      Date of last issue: 11/05/2021  
Date of first issue: 11/29/2010

Taiwan	TCSCA	Listed
Turkey	KKDIK	Pre-registration period *

\* If the product has been purchased domestically from the notifying/registering legal entity of the LyondellBasell group of companies. We confirm that all substances (in this preparation) have been registered in accordance with the deadlines set forth in the applicable regulation. During the "Pre-registration period", we confirm that all substances in this preparation have been pre-registered or, where required under the regulation, registered, and that we have the intention to proceed with their registration in accordance with the deadlines set forth in the regulation. For more information, please contact reach@lyondellbasell.com.

† For more information on the status of this material, please contact chemical control at global.chemical.control@lyondellbasell.com.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

### SECTION 16: Other information

#### Full text of other abbreviations

WEL (GB) : United Kingdom (GB)  
WEL (GB) / TWA : TWA  
WEL (GB) / STEL : STEL

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous

# SAFETY DATA SHEET

## PROPYLENE GLYCOL USP/EP, BULK

Version	Revision Date:	SDS Number:	Date of last issue: 11/05/2021
1.9	01/16/2023	BE129	Date of first issue: 11/29/2010

---

Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

UK / EN

# SAFETY DATA SHEET



## DIETHYLENE GLYCOL (IVL)

Version 1.1      Revision Date: 02/16/2022      SDS Number: 400041019918      Date of last issue: 12/27/2021  
Date of first issue: 12/27/2021

Print Date 05/04/2022

### SECTION 1. IDENTIFICATION

Product name : DIETHYLENE GLYCOL (IVL)

#### Manufacturer or supplier's details

Company name of supplier : Indorama Ventures Oxides LLC  
Address : 24 Waterway Ave., Suite 1100, The Woodlands, Texas 77380  
United States of America (USA)  
Telephone : (256) 3405200

E-mail address of person responsible for the SDS : oxide.sds.global@indorama.net  
Emergency telephone number : CHEMTREC – United States (English)  
Local (City) Northern Virginia: +1 703-741-5970

#### Recommended use of the chemical and restrictions on use

Recommended use : Component of a Polyurethane System.  
Restrictions on use : For industrial use only.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity (Oral) : Category 4

#### GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H302 Harmful if swallowed.

Precautionary Statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
**Response:**  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

#### Other hazards

None known.

# SAFETY DATA SHEET



## DIETHYLENE GLYCOL (IVL)

Version 1.1      Revision Date: 02/16/2022      SDS Number: 400041019918      Date of last issue: 12/27/2021  
Date of first issue: 12/27/2021

Print Date 05/04/2022

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
2,2'-oxydiethanol	111-46-6	>= 90 - <= 100

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Treat symptomatically.  
Get medical attention if symptoms occur.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.
- In case of skin contact : Wash with water and soap as a precaution.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician.  
Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : None known.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing  
If potential for exposure exists refer to Section 8 for specific personal protective equipment.  
No action shall be taken involving any personal risk or without suitable training.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : Exercise caution when using a high volume water jet as it may scatter and spread fire
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.



# SAFETY DATA SHEET



## DIETHYLENE GLYCOL (IVL)

Version 1.1      Revision Date: 02/16/2022      SDS Number: 400041019918      Date of last issue: 12/27/2021  
Date of first issue: 12/27/2021

Print Date 05/04/2022

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid formation of respirable particles. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers.
- Materials to avoid : For incompatible materials please refer to Section 10 of this SDS.
- Further information on storage stability : Stable under normal conditions.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2,2'-oxydiethanol	111-46-6	TWA	10 mg/m3	US WEEL

#### Personal protective equipment

- Respiratory protection : Wear respiratory protection when its use is identified for certain contributing scenario.
- Hand protection

- Remarks : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

# SAFETY DATA SHEET



## DIETHYLENE GLYCOL (IVL)

Version 1.1      Revision Date: 02/16/2022      SDS Number: 400041019918      Date of last issue: 12/27/2021  
Date of first issue: 12/27/2021

Print Date 05/04/2022

Eye protection : Tightly fitting safety goggles  
Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Color : colourless, Clear  
Odor : sweet  
pH : 7  
Melting point : 20.3 °F / -6.5 °C  
Boiling point/boiling range : 472.8 °F / 244.9 °C  
(1,013 hPa)  
Flash point : 280 °F / 138 °C  
Method: closed cup  
Upper explosion limit / Upper flammability limit : 12.3 %(V)  
Lower explosion limit / Lower flammability limit : 2 %(V)  
Vapor pressure : 0.002666 hPa (68 °F / 20 °C)  
ca. 0.77 hPa (176 °F / 80 °C)  
Relative vapor density : 3.65  
Relative density : 1.118  
Density : 1.18 g/cm<sup>3</sup> (68 °F / 20 °C)  
Solubility(ies)  
Water solubility : 1,000 g/l soluble (68 °F / 20 °C)  
Solubility in other solvents : Solvent: Methanol  
Description: soluble  
Partition coefficient: n-octanol/water : log Pow: -1.98  
GLP: no  
Autoignition temperature : 702 °F / 372 °C  
Viscosity  
Viscosity, dynamic : 30 mPa.s (77 °F / 25 °C)

# SAFETY DATA SHEET



## DIETHYLENE GLYCOL (IVL)

Version 1.1      Revision Date: 02/16/2022      SDS Number: 400041019918      Date of last issue: 12/27/2021  
Date of first issue: 12/27/2021

Print Date 05/04/2022

Oxidizing properties : The substance or mixture is not classified as oxidizing.  
Molecular weight : 106.14 g/mol

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : No hazards to be specially mentioned.  
Conditions to avoid : None known.  
Incompatible materials : None known.  
Hazardous decomposition products : Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Aldehydes  
Ketones  
Burning produces noxious and toxic fumes.  
No decomposition if stored and applied as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate: 502.51 mg/kg  
Method: Calculation method

##### Components:

#### 2,2'-oxydiethanol:

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg  
Assessment: The component/mixture is moderately toxic after single ingestion.

#### Skin corrosion/irritation

##### Components:

#### 2,2'-oxydiethanol:

Species : Human  
Result : Mild skin irritant  
Species : Rabbit  
Result : No skin irritation

#### Serious eye damage/eye irritation

##### Components:

#### 2,2'-oxydiethanol:

Species : Rabbit  
Result : No eye irritation  
Exposure time : 24 h

**DIETHYLENE GLYCOL (IVL)**

Version	Revision Date:	SDS Number:	Date of last issue: 12/27/2021
1.1	02/16/2022	400041019918	Date of first issue: 12/27/2021

Print Date 05/04/2022

**Respiratory or skin sensitization****Components:****2,2'-oxydiethanol:**

Routes of exposure	:	Skin
Species	:	Guinea pig
Method	:	Directive 67/548/EEC, Annex V, B.6.
Result	:	Does not cause skin sensitisation.

**Germ cell mutagenicity****Components:****2,2'-oxydiethanol:**

Genotoxicity in vivo	:	Cell type: Somatic
		Application Route: Intraperitoneal injection
		Dose: 500 - 2000 mg/kg
		Method: OECD Test Guideline 474
		Result: negative

**Carcinogenicity****Components:****2,2'-oxydiethanol:**

Species	:	Rat, male and female
Application Route	:	Oral
Exposure time	:	24 month(s)
Dose	:	25000 mg/l
Result	:	negative

Species	:	Rat, male and female
Application Route	:	Oral
Exposure time	:	24 month(s)
Dose	:	40000 mg/l
Result	:	negative

Species	:	Rat, male and female
Application Route	:	Oral
Exposure time	:	108 weeks
Dose	:	1160 - 1210 mg/kg
Frequency of Treatment	:	7 daily
Result	:	negative

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**DIETHYLENE GLYCOL (IVL)**

Version	Revision Date:	SDS Number:	Date of last issue: 12/27/2021
1.1	02/16/2022	400041019918	Date of first issue: 12/27/2021

Print Date 05/04/2022

**Reproductive toxicity****Components:****2,2'-oxydiethanol:**

Effects on fertility : Species: Mouse, male and female  
Application Route: Oral  
Dose: 3060 milligram per kilogram

Effects on fetal development : Species: Rabbit  
Application Route: Oral  
Dose: 1000 milligram per kilogram  
Method: OECD Test Guideline 414  
Result: No teratogenic effects

**STOT-single exposure****Components:****2,2'-oxydiethanol:**

Target Organs : Central nervous system, Kidney  
Remarks : Not classified due to data which are conclusive although insufficient for classification.

**STOT-repeated exposure****Components:****2,2'-oxydiethanol:**

Routes of exposure : Ingestion  
Target Organs : Kidney, Liver, Central nervous system  
Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure., May cause damage to organs through prolonged or repeated exposure.

**Repeated dose toxicity****Components:****2,2'-oxydiethanol:**

Species : Rat, male and female  
NOAEL : 100 mg/kg  
Application Route : Ingestion  
Exposure time : 5,400 h  
Number of exposures : 7 d/w

Species : Rat, male and female  
NOEL : 150 mg/kg  
Application Route : Ingestion  
Exposure time : 672 h

Species : Dog, male  
NOAEL : 8000 mg/kg  
Application Route : Skin contact  
Exposure time : 672 h  
Number of exposures : 7 d

**DIETHYLENE GLYCOL (IVL)**

Version	Revision Date:	SDS Number:	Date of last issue: 12/27/2021
1.1	02/16/2022	400041019918	Date of first issue: 12/27/2021

Print Date 05/04/2022

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****2,2'-oxydiethanol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 75,200 mg/l  
 Exposure time: 96 h  
 Test Type: flow-through test  
 Test substance: Fresh water  
 Remarks: Toxic to aquatic organisms.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
 Exposure time: 24 h  
 Test Type: static test  
 Test substance: Fresh water  
 Method: DIN 38412

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 15,380 mg/l  
 Exposure time: 17 d  
 Test substance: Fresh water

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia (water flea)): 8,590 mg/l  
 Exposure time: 7 d  
 Test substance: Fresh water

Toxicity to microorganisms : IC50: > 1,000 mg/l  
 Exposure time: 3 h  
 Method: OECD Test Guideline 209

**Persistence and degradability****Components:****2,2'-oxydiethanol:**

Biodegradability : Inoculum: activated sludge  
 Result: Readily biodegradable.  
 Biodegradation: >= 70 %  
 Exposure time: 10 - 29 d

**Bioaccumulative potential****Product:**

Bioaccumulation : Species: Leuciscus idus (Golden orfe)  
 Bioconcentration factor (BCF): 100  
 Exposure time: 3 d

**Components:****2,2'-oxydiethanol:**

Bioaccumulation : Species: Leuciscus idus (Golden orfe)  
 Bioconcentration factor (BCF): 100

# SAFETY DATA SHEET



## DIETHYLENE GLYCOL (IVL)

Version 1.1      Revision Date: 02/16/2022      SDS Number: 400041019918      Date of last issue: 12/27/2021  
Date of first issue: 12/27/2021

Print Date 05/04/2022

Exposure time: 3 d  
Test substance: Fresh water  
Method: OECD Test Guideline 305

Partition coefficient: n-octanol/water : log Pow: -1.98 (77 °F / 25 °C)

### Mobility in soil

#### Product:

Distribution among environmental compartments : Koc: 1

### Other adverse effects

#### Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of contents and container in accordance with all local, regional, national and international regulations.  
Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

Not regulated as a dangerous good

**DIETHYLENE GLYCOL (IVL)**

Version 1.1      Revision Date: 02/16/2022      SDS Number: 400041019918      Date of last issue: 12/27/2021  
 Date of first issue: 12/27/2021

Print Date 05/04/2022

**SECTION 15. REGULATORY INFORMATION****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
ethane-1,2-diol	107-21-1	5000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

2,2'-oxydiethanol	111-46-6	>= 90 - <= 100 %
-------------------	----------	------------------

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

**US State Regulations****Massachusetts Right To Know**

2,2'-oxydiethanol	111-46-6
-------------------	----------

**Pennsylvania Right To Know**

2,2'-oxydiethanol	111-46-6
ethane-1,2-diol	107-21-1

**Maine Chemicals of High Concern**

Product does not contain any listed chemicals

**Vermont Chemicals of High Concern**

ethane-1,2-diol	107-21-1
-----------------	----------

**Washington Chemicals of High Concern**

ethane-1,2-diol	107-21-1
-----------------	----------



# SAFETY DATA SHEET



## DIETHYLENE GLYCOL (IVL)

Version	Revision Date:	SDS Number:	Date of last issue: 12/27/2021
1.1	02/16/2022	400041019918	Date of first issue: 12/27/2021

Print Date 05/04/2022

### California Prop. 65

WARNING: This product can expose you to chemicals including ethane-1,2-diol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### The ingredients of this product are reported in the following inventories:

DSL	:	All components of this product are on the Canadian DSL
AIIC	:	On the inventory, or in compliance with the inventory
AICS	:	On the inventory, or in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory
ENCS	:	On the inventory, or in compliance with the inventory
ISHL	:	On the inventory, or in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
TCSI	:	On the inventory, or in compliance with the inventory
TSCA	:	All substances listed as active on the TSCA inventory

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

---

## SECTION 16. OTHER INFORMATION

### Further information

# SAFETY DATA SHEET

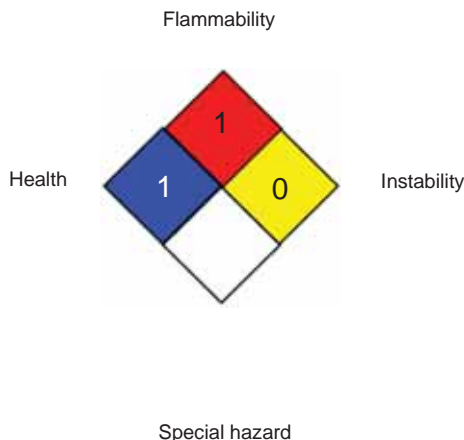


## DIETHYLENE GLYCOL (IVL)

Version 1.1      Revision Date: 02/16/2022      SDS Number: 400041019918      Date of last issue: 12/27/2021  
 Date of first issue: 12/27/2021

Print Date 05/04/2022

### NFPA 704:



### HMIS® IV:

HEALTH	*	1
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)  
 US WEEL / TWA : 8-hr TWA

AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

# SAFETY DATA SHEET



## DIETHYLENE GLYCOL (IVL)

Version	Revision Date:	SDS Number:	Date of last issue: 12/27/2021
1.1	02/16/2022	400041019918	Date of first issue: 12/27/2021

Print Date 05/04/2022

Revision Date : 02/16/2022

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN

**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Trade name : DIPROPYLENE GLYCOL FRAGRANCE  
CAS Number: : 25265-71-8  
Chemical characterization : Glycols  
Chemical name : 1,1-Oxydi-2-Propanol  
Synonyms : Dipropylene Glycol, DPG, 2,2-Dihydroxyisopropyl Ether,  
Methyl-2(Methyl-2) Oxybispropanol

Identified uses : Monomer; Intermediate; Functional Fluids

Prohibited uses : Theater fogs; Artificial smoke

**Company Address**

Lyondell Chemical Company  
LyondellBasell Tower, Suite 300  
1221 McKinney St.  
P.O. Box 2583  
Houston Texas 77252-2583

**Company Telephone**

Customer Service 888 777-0232  
product.safety@lyb.com

**Emergency telephone number**

CHEMTREC USA 800-424-9300  
LYONDELL 800-245-4532

E-mail address : product.safety@lyb.com  
Responsible/issuing person

**2. HAZARDS IDENTIFICATION****GHS Classification**

Not classified as hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).

**Label elements**

Not classified as hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).

**Other hazards**

No additional information available.



**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substances****Components**

Chemical name	CAS-No. EC-No.	Weight %	Component Type
Dipropylene Glycol	25265-71-8	>= 99.5 %	A

Key:

(A) Substance

**4. FIRST AID MEASURES**

- General advice : May cause irritation of the eyes, skin and mucous membranes. Always observe self-protection methods. Move out of dangerous area. Remove contaminated shoes and clothing. Show this material safety data sheet to the doctor in attendance.
- If inhaled : Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Avoid inhalation of hot vapors or extremely high concentrations of aerosols.  
  
Remove to fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary.
- In case of skin contact : Wash skin thoroughly with mild soap and water.
- In case of eye contact : Flush eyes with water thoroughly and continuously for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.
- If swallowed : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

**Notes to physician**

**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

Symptoms	: High doses may cause CNS depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe over-exposure).
Hazards	: This product is of low acute toxicity. May cause irritation of the eyes, skin and mucous membranes. Hot vapors may cause lung damage.
Treatment	: Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	: SMALL FIRE: Use dry chemicals, CO2, water spray or alcohol-resistant foam. LARGE FIRE: Use water spray, water fog or alcohol-resistant foam.
Unsuitable extinguishing media	: Do not use solid water stream.
Specific hazards during fire fighting	: Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be combustible at temperatures below normal flash point. Fight fire from a safe distance/protected location. Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Use water spray/fog for cooling. Avoid frothing/steam explosion. Burning liquid may float on water. Although water soluble, may not be practical to extinguish fire by water dilution. Notify authorities immediately if liquid enters sewer/public waters.
Special protective equipment for fire-fighters	: Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighter's protective clothing will only provide limited protection.

**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Use personal protective equipment.  
Clean-up to be performed only by trained and properly equipped personnel.
- Environmental precautions : Try to prevent the material from entering drains or water courses.
- Methods for containment /  
Methods for cleaning up : Extinguish all ignition sources.  
Stop release; prevent flow to sewers/public waters.  
Notify fire and environmental authorities.  
Impound/recover large land spill; soak up small spill with inert solids.  
Soak up small spills with inert solids.  
Use suitable disposal containers.  
On water, material is soluble and may float or sink.  
Contain/collect rapidly to minimize dispersion.  
Disperse residue to reduce aquatic harm.  
Report per regulatory requirements.

**7. Handling and storage****Precautions for safe handling**

- Advice on safe handling : Handle empty containers with care - residue can burn if heated.  
Empty containers should be thoroughly rinsed with copious amounts of clean water.  
The rinse water can be used for makeup water for any necessary dilution of the concentrated product before use, or it can be properly discarded.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Fire-fighting class : OSHA/NFPA Class IIIB combustible liquid.

**Conditions for safe storage, including any incompatibilities**

- Requirements for storage areas and containers : Keep container tightly closed when not in use.  
Protect from moisture.  
Store away from heat.  
Material can attack some forms of plastics.  
Do not store together with oxidizing and self-igniting products.
- Advice on common storage : Carbon/Mild steel with suitable internal coating, or stainless steel

**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

Other data : No decomposition if stored and applied as directed.

**Specific end use(s)**  
: See Section 1.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Ingredients with workplace control parameters**

Consult local authorities for acceptable exposure limits.

**Exposure controls****Engineering measures**

No special ventilation is recommended under anticipated conditions of normal use beyond that needed for normal comfort control.

**Personal protective equipment**

- Respiratory protection : No special respiratory protection is recommended under anticipated conditions of normal use with adequate ventilation. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hand protection : Not normally considered a skin hazard.  
Use chemical resistant gloves appropriate to conditions of use.  
Wear chemical resistant gloves such as:  
Nitrile rubber  
Latex
- Eye and face protection : Safety glasses with side-shields  
Use splash goggles when eye contact due to splashing or spraying liquid is possible.
- Skin and body protection : No special clothing/skin protection equipment is recommended under normal conditions of anticipated use. Where use can result in skin contact, practice good personal hygiene.
- Hygiene measures : Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the



**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

hazards and/or potential hazards that may be encountered during use.  
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices.  
Wash hands before eating, drinking, smoking, or using toilet facilities.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid at 20 °C
Color	: Clear, colorless.
Odor	: odorless
Odor Threshold	: Not applicable
Flash point	: 128 - 132 °C at 988.80 hPa (741.66 mm Hg)
Lower explosion limit	: No Data Available.
Upper explosion limit	: No Data Available.
Flammability (solid, gas)	: Not applicable
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Autoignition temperature	: 332 °C at 989.60 - 1001.80 hPa
Molecular weight	: 134.17 g/mol
Decomposition temperature	: not determined
pH	: 7.4 (as aqueous solution)
Melting point/range	: < -20 °C
Boiling point/boiling range	: 227 °C at 983.60 hPa
Vapor pressure	: 0.013 hPa at 25 °C
Density	: 1.02 g/cm <sup>3</sup> at 20 °C

**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

Water solubility	: Miscible in water.
Partition coefficient: n-octanol/water	: log Pow: -0.462 at 21.7 °C
Viscosity, kinematic	: 118 mm <sup>2</sup> /s at 20 °C  32 mm <sup>2</sup> /s at 40 °C
Relative vapor density	: ~ 4.6 (Air = 1.0 at 15 - 20°C/59 - 68°F)
Surface tension	: 71.4 mN/m 1.01 g/l at 22 °C
Explosive properties	: Not explosive
Other Information	: No additional information available.

**10. STABILITY AND REACTIVITY**

Reactivity	: Stable under recommended storage conditions.
Chemical stability	: Stable under recommended storage conditions.
Hazardous reactions	: Not expected to occur. This material is stable when properly handled and stored.
Conditions to avoid	: High temperatures, oxidizing conditions.
Materials to avoid	: Strong acids Isocyanates. Strong oxidizing agents.
Hazardous decomposition products	: Carbon Monoxide and other toxic vapors.
Thermal decomposition	: Thermal decomposition may produce carbon monoxide and other toxic vapors.

**11. TOXICOLOGICAL INFORMATION**

**Product Summary** : The below given information is based on the assessment of the product including impurities.

**Acute toxicity**

**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

- Acute oral toxicity** : Based on acute toxicity values, not classified.  
Ingestion of high doses may cause discomfort and irritation of the gastrointestinal tract and CNS depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe over-exposure).
- : LD50 Oral: > 5,000 mg/kg  
Species: Rat
- Acute inhalation toxicity** : Based on acute toxicity values, not classified.
- : LC50 (Inhl): > 2.34 mg/l  
Exposure time: 4 HOURS  
Species: Rat
- Acute dermal toxicity** : Based on acute toxicity values, not classified.
- : LD50 Dermal: > 5,000 mg/kg  
Species: Rabbit
- Skin corrosion/irritation** : Based on skin irritation values, not classified.  
May cause slight transient skin irritation.
- Serious eye damage/eye irritation** : Based on eye irritation values, not classified.
- Respiratory or skin sensitization** : Respiratory sensitization  
Not classified  
No study available.
- : Skin sensitization  
Not classified  
No adverse effect observed.
- Chronic toxicity**
- Carcinogenicity** : Not classified  
No adverse effect observed.
- Germ cell mutagenicity** : Not classified  
No adverse effect observed.

**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

**Reproductive toxicity**

- Effects on fertility /  
Effects on or via lactation : Not classified  
Male rats and female mice ingesting multi-gram quantities of dipropylene glycol for 90-days exhibited changes in testis and estrous cycle that appeared secondary to clinical- and systemic toxicity, debilitation and death. Data available on related homologues suggest it is unlikely to affect fertility or reproduction at lower exposures that do not cause morbidity or mortality.
- Effects on Development : Not classified  
No adverse effect observed.
- Target Organ Systemic Toxicant - Single exposure** : Based on single exposure toxicity values, not classified.
- Target Organ Systemic Toxicant - Repeated exposure** : Based on repeated exposure toxicity values, not classified.
- Aspiration hazard** : Based on physico-chemical values or lack of human evidence, not classified.

**12. Ecological information****Ecotoxicology Assessment**

- Short-term (acute) aquatic hazard** : Based on acute aquatic toxicity values, not classified.
- Long-term (chronic) aquatic hazard** : Not classified, based on readily biodegradability and low acute toxicity.
- Toxicity to fish** : Low acute toxicity to fish  
Data for close chemical analog.
- Toxicity to daphnia and other aquatic invertebrates** : Low acute toxicity to aquatic invertebrates.
- Toxicity to algae** : Low toxicity to algae.
- Toxicity to bacteria** : Low toxicity to sewage microbes.
- Toxicity to fish (Chronic toxicity)** : QSAR (Quantitative structure-activity relationship) based calculation predicts low chronic toxicity.
- Toxicity to daphnia and other aquatic invertebrates** : QSAR (Quantitative structure-activity relationship) based calculation predicts low chronic toxicity.



**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

**(Chronic toxicity)****Persistence and degradability**

- Biodegradability** : Rapidly degradable.
- : Biodegradation: 64.5 - 93.4 %  
(After 28 days in a ready biodegradability test)  
(freshwater)
- : Partially biodegradable.
- : Biodegradation: 17.3 - 23.6 %  
(62 - 64 day ready biodegradability test)  
(seawater)

**Stability in water**  
Dipropylene Glycol

- : Not expected to hydrolyze readily.

**Stability in soil**  
Dipropylene Glycol

- : Low potential for soil adsorption expected

**Bioaccumulative potential**

- Bioaccumulation** : This material is not expected to bioaccumulate.
- : Bioconcentration factor (BCF): 0.3 - 4.6  
(QSAR calculated value)

**Mobility in soil**

**Distribution among  
environmental  
compartments**

- : Type: Stability in soil  
no data available
- : Type: Stability in water  
no data available

**Other adverse effects**

**Environmental fate and  
pathways**

- : No additional information available.

**Other information**

**Additional ecological  
information**

- : No additional information available.

**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

**13. Disposal considerations****Waste treatment methods**

Product : Comply with federal, state, or local regulations for disposal.  
Landfill solids at permitted sites.  
Burn concentrated liquids, diluting with clean, low viscosity fuel.  
Avoid flameouts and assure that emissions comply with all applicable standards/regulations.  
Dilute aqueous waste may biodegrade.  
Assure effluent complies with applicable regulations.

**14. TRANSPORT INFORMATION**

Not regulated for transport

**BLG (MARPOL Annex II)**

Description of the goods : DIPROPYLENE GLYCOL  
Pollution category : Z  
Ship type : 3

**15. REGULATORY INFORMATION****TSCA 12b**

No substances are subject to TSCA 12(b) export notification requirements.

**Significant New Use Rules (SNUR)**

No substances are subject to a Significant New Use Rule.

**SARA 302/304**

This product contains no known chemicals regulated under SARA 302/304.

**SARA 311/312**

Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 &amp; 312:

No SARA Hazards
-----------------

**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

**SARA 313**

This product contains no known chemicals regulated under SARA 313.

**State Reporting**

This material does not contain listed substance(s) known to the State of California to cause cancer, birth defects, or other reproductive harm that would require warning under the California Proposition 65 State Drinking Water and Toxic Enforcement Act.

However, LyondellBasell has not tested for the presence of listed chemical substances.

This product contains no known chemicals regulated by New Jersey's Worker and Community Right to Know Act.

No components are subject to the Massachusetts Right to Know Act.

This product contains the following chemicals regulated by Pennsylvania's Right to Know Act:

25265-71-8          Dipropylene Glycol

**Other international regulations****Global Inventory Status**

The ingredients of this product are compliant with the following chemical inventory requirements or exemptions.

\*Additional Explanatory Status Statements follow the table, as necessary.

Country/Region	Inventory	Status Description
Australia	AICS	Compliant
Canada	DSL	Compliant
China	IECSC	Compliant
Europe	REACH	See REACH Compliance Statement
Japan	ENCS	Compliant
Korea	KECI	Compliant
New Zealand	NZIoC	Compliant
Philippines	PICCS	Compliant
United States of America	TSCA	Compliant
Taiwan	TCSCA	Compliant

**REACH status**

*If the product has been purchased from any company of the LyondellBasell group of companies registered in the European Union, we confirm that the chemical substance in this product has been registered under REACH, in accordance with the deadlines set forth in REACH. (Regulation (EU) No. 1907/2006)*

Contact [product.safety@lyb.com](mailto:product.safety@lyb.com) for additional global inventory information.

**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

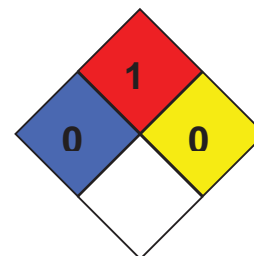
**16. OTHER INFORMATION****Material safety datasheet sections which have been updated:**

Revised Section(s): 15 16

**HMIS Classification** : Health Hazard: 0  
Flammability: 1  
Physical hazards: 0



**NFPA Classification** : Health Hazard: 0  
Fire Hazard: 1  
Instability: 0

**Disclaimer**

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative or visit the LyondellBasell website at: <https://www.lyondellbasell.com/en/products-technology/product-safety-stewardship/>  
The Trade Name referenced in section 1 is a trademark owned or used by the LyondellBasell family of companies.

**Numerical Data Presentation**

The presentation of numerical data, such as that used for physical and chemical properties and toxicological values, is expressed using a comma (,) to separate digits into groups of three and a period (.) as the decimal marker. For example, 1,234.56 mg/kg = 1 234,56 mg/kg.

**Language Translations**

The information presented in this document has been translated from English by a vendor LyondellBasell believes to be reliable. LyondellBasell and its vendor have made a good-faith effort to verify the accuracy of the translation, but assume no liability or other responsibility for any errors that may have occurred. Please refer to our web site ([www.lyondellbasell.com](http://www.lyondellbasell.com)) for



**DIPROPYLENE GLYCOL FRAGRANCE**

Gen. Variant: SDS\_US\_GHS

Version 1.2

Revision Date 11/22/2019

Print Date 02/09/2023

SDS No.: BE133

the original document written in English.

**End of Material Safety Data Sheet**



# SAFETY DATA SHEET

## THE DOW CHEMICAL COMPANY

**Product name:** 2-Ethylhexyl Acrylate, 50 ppm MEHQ

**Issue Date:** 11/25/2022

**Print Date:** 02/04/2023

---

THE DOW CHEMICAL COMPANY encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

---

## 1. IDENTIFICATION

---

**Product name:** 2-Ethylhexyl Acrylate, 50 ppm MEHQ

**Recommended use of the chemical and restrictions on use**

**Identified uses:** Chemical intermediate.

**Uses advised against:** Unreacted monomer is not appropriate for use in cosmetic applications, such as artificial nail products.

**COMPANY IDENTIFICATION**

THE DOW CHEMICAL COMPANY  
2211 H.H. DOW WAY  
MIDLAND MI 48674  
UNITED STATES

**Customer Information Number:**

800-258-2436  
SDSQuestion@dow.com

**EMERGENCY TELEPHONE NUMBER**

**24-Hour Emergency Contact:** CHEMTREC +1 800-424-9300

**Local Emergency Contact:** 800-424-9300

---

## 2. HAZARDS IDENTIFICATION

---

**Hazard classification**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids - Category 4

Skin irritation - Category 2

Skin sensitisation - Sub-category 1B

Specific target organ toxicity - single exposure - Category 3

**Label elements**

**Hazard pictograms**



Signal word: **WARNING!**

**Hazards**

Combustible liquid.  
Causes skin irritation.  
May cause an allergic skin reaction.  
May cause respiratory irritation.

**Precautionary statements**

**Prevention**

Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
Avoid breathing mist or vapours.  
Wash skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/ eye protection/ face protection.

**Response**

IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.  
In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

**Storage**

Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.

**Disposal**

Dispose of contents and/or container to an approved waste disposal plant.

**Other hazards**

No data available

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

**Synonyms:** Ethyl hexyl acrylate

This product is a substance.

**Substance name:** Ethyl hexyl acrylate

**CASRN:** 103-11-7

Component	CASRN	Concentration
Ethyl hexyl acrylate	103-11-7	>= 99.6 - <= 100.0 %

---

#### 4. FIRST AID MEASURES

---

##### Description of first aid measures

###### General advice:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** Move person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

**Skin contact:** Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation or rash occurs. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. Suitable emergency safety shower facility should be available in work area.

**Eye contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**Ingestion:** Do not induce vomiting. Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Do not give anything by mouth unless the person is fully conscious.

###### Most important symptoms and effects, both acute and delayed:

Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation.

###### Indication of any immediate medical attention and special treatment needed

**Notes to physician:** Maintain adequate ventilation and oxygenation of the patient. May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. If burn is present, treat as any thermal burn, after decontamination. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Because rapid absorption may occur through the lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician. Due to irritant properties, swallowing may result in burns and/or ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal or esophageal control if lavage is done. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reactive airways dysfunction syndrome).



---

## 5. FIREFIGHTING MEASURES

---

### Extinguishing media

**Suitable extinguishing media:** Alcohol-resistant foam. Dry chemical. Dry sand.

**Unsuitable extinguishing media:** High volume water jet. Do not use direct water stream..

### Special hazards arising from the substance or mixture

**Hazardous combustion products:** Carbon oxides.

**Unusual Fire and Explosion Hazards:** Flash back possible over considerable distance.. Exposure to combustion products may be a hazard to health.. Closed containers may rupture via pressure build-up when exposed to fire or extreme heat.. Vapours may form explosive mixtures with air..

### Advice for firefighters

**Fire Fighting Procedures:** Use water spray to cool unopened containers.. Evacuate area.. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage.. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed.. Do not use a solid water stream as it may scatter and spread fire..

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from fire area if it is safe to do so.

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.. Use personal protective equipment..

---

## 6. ACCIDENTAL RELEASE MEASURES

---

**Personal precautions, protective equipment and emergency procedures:** Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

**Environmental precautions:** Do not release the product to the aquatic environment above defined regulatory levels. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up:** Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. Clean up remaining materials from spill with suitable absorbant. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. See sections: 7, 8, 11, 12 and 13.

---

## 7. HANDLING AND STORAGE

---

**Precautions for safe handling:** Do not get on skin or clothing. Do not breathe vapours or spray mist. Avoid contact with eyes. Do not swallow. Keep container tightly closed. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all (M)SDS and label warnings even after container is emptied. Use with local exhaust ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

**Conditions for safe storage:** Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition. This product contains inhibitor to stabilize it during shipment and storage. The effectiveness of the inhibitor is dependent on the presence of dissolved oxygen. In order to maintain sufficient dissolved oxygen in the liquid to avoid polymerization, the monomer must always be stored with a vapor space oxygen concentration of 5% to 21% (air). If the material is stored longer than six months (from date of manufacture) in a closed container, replenish the vapor space with fresh air to avoid depletion of the dissolved oxygen.

### Storage stability

**Shelf life:** Use within 12 Month

**Storage temperature:** < 38 °C (< 100 °F)

Do not store with the following product types: Strong oxidizing agents. Explosives. Gases.  
Unsuitable materials for containers: None known.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Component	Regulation	Type of listing	Value
Ethyl hexyl acrylate	Dow IHG	TWA	3 ppm

### Exposure controls

**Engineering controls:** Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

### Individual protection measures

**Eye/face protection:** Use safety glasses (with side shields).

#### Skin protection

**Hand protection:** Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Styrene/butadiene rubber. Examples of acceptable glove barrier materials include: Butyl rubber. Avoid gloves made of: Viton. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body

reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Other protection:** Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

The following should be effective types of air-purifying respirators: Organic vapor cartridge.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

### Appearance

Physical state	Liquid.
Color	Colorless
Odor	Sweet
Odor Threshold	No test data available
pH	No test data available
Melting point/range	Not applicable to liquids
Freezing point	-90 °C ( -130 °F) <i>Literature</i>
Boiling point (760 mmHg)	216 °C ( 421 °F) <i>Literature</i>
Flash point	<b>closed cup</b> 82 °C ( 180 °F) <i>Literature</i>
Evaporation Rate (Butyl Acetate = 1)	0.3 <i>Literature</i>
Flammability (solid, gas)	Not applicable to liquids
Flammability (liquids)	Not expected to be a static-accumulating flammable liquid.
Lower explosion limit	0.7 % vol <i>Literature</i>
Upper explosion limit	8.2 % vol <i>Literature</i>
Vapor Pressure	0.12 mmHg at 20 °C (68 °F) <i>Literature</i>
Relative Vapor Density (air = 1)	6.4 <i>Literature</i>
Relative Density (water = 1)	0.885 <i>Literature</i>
Water solubility	0.1 g/L at 25 °C (77 °F) <i>Literature</i>
Partition coefficient: n-octanol/water	log Pow: 4.09 <i>Estimated.</i>
Auto-ignition temperature	252 °C (486 °F) <i>Literature</i>
Decomposition temperature	No data available
Dynamic Viscosity	1.54 cP at 25 °C (77 °F) <i>Literature</i>
Kinematic Viscosity	No test data available
Explosive properties	Not explosive
Oxidizing properties	No
Molecular weight	184.3 g/mol <i>Literature</i>

NOTE: The physical data presented above are typical values and should not be construed as a specification.

---

## **10. STABILITY AND REACTIVITY**

---

**Reactivity:** Excessive aging, heat, contamination with polymerization catalysts, oxygen-free atmosphere, inhibitor depletion or ultraviolet light (sunlight) may cause polymerization. Excessive aging, heat, contamination with polymerization catalysts, oxygen-free atmosphere, inhibitor depletion or ultraviolet light (sunlight) may cause polymerization.

**Chemical stability:** Unstable at elevated temperatures.

**Possibility of hazardous reactions:** Can react with strong oxidizing agents. Vapours may form explosive mixture with air. Combustible liquid. Inhibitor is added to this product to prevent polymerization. However, this material can undergo hazardous polymerization. An uncontrolled polymerization may produce a rapid release of energy with the potential for an explosion of unvented closed containers. Can react with strong oxidizing agents. Vapours may form explosive mixture with air. Inhibitor is added to this product to prevent polymerization. However, this material can undergo hazardous polymerization.

**Conditions to avoid:** Exposure to elevated temperatures can cause product to decompose. Do not blanket or purge with an inert gas to avoid depleting the oxygen concentration. Avoid direct sunlight or ultraviolet sources. Heat, flames and sparks.

**Inhibitor:** Methoxyphenol Inhibitor Concentration (ppm): 40 - 60  
Phenothiazine Inhibitor Concentration (ppm): 0.4 - 1.6

**Incompatible materials:** Avoid contact with oxidizing materials.

### **Hazardous decomposition products**

No hazardous decomposition products are known.

---

## **11. TOXICOLOGICAL INFORMATION**

---

*Toxicological information appears in this section when such data is available.*

### **Information on likely routes of exposure**

Inhalation, Eye contact, Skin contact, Ingestion.

**Acute toxicity (represents short term exposures with immediate effects - no chronic/delayed effects known unless otherwise noted)**

#### **Acute Toxicity Endpoints:**

Not classified based on available information.

#### **Acute oral toxicity**

**Information for the Product:**



Low toxicity if swallowed. Swallowing may result in gastrointestinal irritation or ulceration. Swallowing may result in burns of the mouth and throat.

Based on product testing:

LD50, Rat, male and female, 4,435 mg/kg OECD 401 or equivalent

**Information for components:**

**Ethyl hexyl acrylate**

LD50, Rat, male and female, 4,435 mg/kg OECD 401 or equivalent

**Acute dermal toxicity**

**Information for the Product:**

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Based on product testing:

LD50, Rabbit, 7,522 mg/kg

**Information for components:**

**Ethyl hexyl acrylate**

LD50, Rabbit, 7,522 mg/kg

**Acute inhalation toxicity**

**Information for the Product:**

Prolonged excessive exposure may cause adverse effects. Excessive exposure may cause severe irritation to upper respiratory tract (nose and throat) and lungs. Signs and symptoms of excessive exposure may include: May cause dizziness and drowsiness. Headache. May cause pulmonary edema (fluid in the lungs.) Effects may be delayed.

LC50, Rat, male and female, 8 Hour, vapour, > 1.19 mg/l No deaths occurred following exposure to a saturated atmosphere.

**Information for components:**

**Ethyl hexyl acrylate**

LC50, Rat, male and female, 8 Hour, vapour, > 1.19 mg/l Other guidelines No deaths occurred following exposure to a saturated atmosphere.

**Skin corrosion/irritation**

Causes skin irritation.

**Information for the Product:**

Based on product testing:

Brief contact may cause severe skin irritation with pain and local redness.

Repeated contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.

**Information for components:**

**Ethyl hexyl acrylate**

Brief contact may cause severe skin irritation with pain and local redness.

Repeated contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Information for the Product:**

Based on product testing:

May cause slight temporary eye irritation.

Corneal injury is unlikely.

**Information for components:**

**Ethyl hexyl acrylate**

May cause slight temporary eye irritation.

Corneal injury is unlikely.

**Sensitization**

**For skin sensitization:**

May cause an allergic skin reaction.

**For respiratory sensitization:**

Not classified based on available information.

**Information for the Product:**

For skin sensitization:

Has caused allergic skin reactions in humans.

Has caused allergic skin reactions when tested in guinea pigs.

Has demonstrated the potential for contact allergy in mice.

For respiratory sensitization:

No relevant data found.

**Information for components:**

**Ethyl hexyl acrylate**

For skin sensitization:

Has caused allergic skin reactions in humans.

Has caused allergic skin reactions when tested in guinea pigs.

Has demonstrated the potential for contact allergy in mice.

For respiratory sensitization:

No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

May cause respiratory irritation.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Ethyl hexyl acrylate**

May cause respiratory irritation.

Route of Exposure: Inhalation

Target Organs: Respiratory system

**Aspiration Hazard**

Not classified based on available information.

**Information for the Product:**

Aspiration into the respiratory system may occur during ingestion or vomiting. Due to corrosivity, tissue damage or lung injury may occur.

**Information for components:**

**Ethyl hexyl acrylate**

Aspiration into the respiratory system may occur during ingestion or vomiting. Due to corrosivity, tissue damage or lung injury may occur.

**Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)**

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Not classified based on available information.

**Information for the Product:**

In animals, effects have been reported on the following organs:  
Respiratory tract.

**Information for components:**

**Ethyl hexyl acrylate**

In animals, effects have been reported on the following organs:  
Respiratory tract.

**Carcinogenicity**

Not classified based on available information.

**Information for the Product:**

Has caused tumors in skin painting tests in animals. Positive findings are believed to be secondary to chronic irritation/tissue injury.

**Information for components:**

**Ethyl hexyl acrylate**

Has caused tumors in skin painting tests in animals. Positive findings are believed to be secondary to chronic irritation/tissue injury.

**Carcinogenicity**

**Component**

Ethyl hexyl acrylate

**List**

IARC

**Classification**

Group 2B: Possibly carcinogenic to humans

**Teratogenicity**

Not classified based on available information.

**Information for the Product:**

Did not cause birth defects or other effects in the fetus even at doses which caused toxic effects in the mother.

**Information for components:**

**Ethyl hexyl acrylate**

Did not cause birth defects or other effects in the fetus even at doses which caused toxic effects in the mother.

**Reproductive toxicity**

Not classified based on available information.

**Information for the Product:**

In animal studies, did not interfere with reproduction. In animal studies, did not interfere with fertility.

**Information for components:**

**Ethyl hexyl acrylate**

In animal studies, did not interfere with reproduction. In animal studies, did not interfere with fertility.

**Mutagenicity**

Not classified based on available information.

**Information for the Product:**

In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.

**Information for components:**

**Ethyl hexyl acrylate**

In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.



---

## 12. ECOLOGICAL INFORMATION

---

*Ecotoxicological information appears in this section when such data is available.*

### General Information

Material is toxic to aquatic organisms (LC50/EC50/IC50 between 1 and 10 mg/L in the most sensitive species).

### Toxicity

#### Acute toxicity to fish

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested).

LC50, *Oncorhynchus mykiss* (rainbow trout), semi-static test, 1.81 mg/l, OECD Test Guideline 203 or Equivalent

#### Acute toxicity to aquatic invertebrates

EC50, *Daphnia magna* (Water flea), static test, 48 Hour, 1.3 mg/l, OECD Test Guideline 202 or Equivalent

#### Acute toxicity to algae/aquatic plants

ErC50, *Desmodesmus subspicatus* (green algae), static test, 72 Hour, Growth rate inhibition, 1.71 mg/l, OECD Test Guideline 201 or Equivalent

#### Long-term (chronic) aquatic hazard

##### Chronic toxicity to aquatic invertebrates

NOEC, *Daphnia magna* (Water flea), 21 d, number of offspring, 0.19 mg/l

### Persistence and degradability

**Biodegradability:** Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

10-day Window: Pass

**Biodegradation:** 70 - 80 %

**Exposure time:** 15 d

10-day Window: Not applicable

**Biodegradation:** > 90 %

**Exposure time:** 14 d

**Method:** OECD Test Guideline 301C or Equivalent

**Theoretical Oxygen Demand:** 2.60 mg/mg

### Biological oxygen demand (BOD)

Incubation Time	BOD
5 d	17 - 27 %
10 d	19 - 52 %
20 d	19 - 58 %

### Photodegradation

**Test Type:** Half-life (indirect photolysis)

**Sensitization:** OH radicals  
**Atmospheric half-life:** 6.4 Hour  
**Method:** Estimated.

**Bioaccumulative potential**

**Bioaccumulation:** Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).  
**Partition coefficient: n-octanol/water(log Pow):** 4.09 Estimated.  
**Bioconcentration factor (BCF):** 270 - 282 Fish Estimated.

**Mobility in soil**

**Partition coefficient (Koc):** 429 Estimated.

---

---

**13. DISPOSAL CONSIDERATIONS**

---

**Disposal methods:** DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. FOR UNUSED AND UNCONTAMINATED PRODUCT, always send to a licensed disposer per applicable regulations. Consult the local waste disposal expert for the appropriate waste disposal method. Recover or recycle, if possible. Otherwise, send it to a licensed disposer.

**Contaminated packaging:** Empty containers retain product residues. Follow label warnings even after container is emptied. Improper disposal or reuse of this container may be dangerous and illegal. Refer to applicable federal, state and local regulations.

---

---

**14. TRANSPORT INFORMATION**

---

**DOT**

<b>Proper shipping name</b>	Combustible liquid, n.o.s.(2-Ethyl hexyl acrylate)
<b>UN number</b>	NA 1993
<b>Class</b>	CBL
<b>Packing group</b>	III

**Classification for SEA transport (IMO-IMDG):**

	Not regulated for transport
<b>Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code</b>	Consult IMO regulations before transporting ocean bulk

**Classification for AIR transport (IATA/ICAO):**

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

---

---

## **15. REGULATORY INFORMATION**

---

### **Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312**

Flammable (gases, aerosols, liquids, or solids)  
Respiratory or skin sensitisation  
Skin corrosion or irritation  
Specific target organ toxicity (single or repeated exposure)

### **Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **Pennsylvania Worker and Community Right-To-Know Act:**

The following chemicals are listed because of the additional requirements of Pennsylvania law:

<b>Components</b>	<b>CASRN</b>
2-Ethylhexyl acrylate	103-11-7

### **California Prop. 65**

WARNING: This product can expose you to chemicals including Ethyl hexyl acrylate, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### **United States TSCA Inventory (TSCA)**

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

---

---

## **16. OTHER INFORMATION**

---

### **Product Literature**

Additional information on this product may be obtained by calling your sales or customer service contact. Ask for a product brochure. Additional information on this and other products may be obtained by visiting our web page.

### **Hazard Rating System**

**NFPA**

Health	Flammability	Instability
2	2	2

**Revision**

Identification Number: 241035 / A001 / Issue Date: 11/25/2022 / Version: 9.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

**Legend**

Dow IHG	Dow Industrial Hygiene Guideline
TWA	Time weighted average

**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Information Source and References**

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

THE DOW CHEMICAL COMPANY urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown



above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

US

## BUTYL ACRYLATE

**1. PRODUCT AND COMPANY IDENTIFICATION**

NO NUM:DIV IDENTIFIER MAINTAINED FOR THIS SPECIFICATION!

**Company**

Arkema Inc.  
900 First Avenue  
King of Prussia, Pennsylvania 19406

**Methacrylics**

**Customer Service Telephone Number:** 1-800-338-1015  
(Monday through Friday, 8:00 AM to 5:00 PM EST)

**Emergency Information**

**Transportation:** CHEMTREC: (800) 424-9300  
(24 hrs., 7 days a week)

**Medical:** Rocky Mountain Poison Center: (866) 767-5089  
(24 hrs., 7 days a week)

**Product Information**

**Product name:** BUTYL ACRYLATE  
**Synonyms:** BUTYL ACRYLATE  
**Molecular formula:** C7H12O2  
**Chemical family:** acrylates  
**Molecular weight:** 128 g/mol  
**Product use:** Intermediate

**2. HAZARDS IDENTIFICATION****Emergency Overview**

**Color:** colourless  
**Physical state:** liquid  
**Odor:** like fruit

**\*Classification of the substance or mixture:**

Flammable liquid., Category 3, H226  
Inhalation: Acute toxicity, Category 4, H332  
Skin irritation, Category 2, H315  
Eye irritation, Category 2A, H319  
Skin sensitisation, Category 1, H317  
Specific target organ toxicity - single exposure, Category 3, H335  
Chronic aquatic toxicity, Category 3, H412

\*For the full text of the H-Statements mentioned in this Section, see Section 16.

**BUTYL ACRYLATE**

---

**GHS-Labeling**

Hazard pictograms:



Signal word:

**Warning****Hazard statements:**

- H226 : Flammable liquid and vapour.
- H315 : Causes skin irritation.
- H317 : May cause an allergic skin reaction.
- H319 : Causes serious eye irritation.
- H332 : Harmful if inhaled.
- H335 : May cause respiratory irritation.
- H412 : Harmful to aquatic life with long lasting effects.

**BUTYL ACRYLATE****Precautionary statements:****Prevention:**

P210 : Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 : Keep container tightly closed.  
P240 : Ground/bond container and receiving equipment.  
P241 : Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 : Use only non-sparking tools.  
P243 : Take precautionary measures against static discharge.  
P261 : Avoid breathing gas/mist/vapours/spray.  
P264 : Wash skin thoroughly after handling.  
P271 : Use only outdoors or in a well-ventilated area.  
P272 : Contaminated work clothing should not be allowed out of the workplace.  
P280 : Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P273 : Avoid release to the environment.

**Response:**

P303 + P361 + P353 : IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 : Call a POISON CENTER/doctor if you feel unwell.  
P321 : Specific treatment (see supplemental first aid instructions on this label).  
P333 + P313 : If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 : If eye irritation persists: Get medical advice/ attention.  
P362 : Take off contaminated clothing and wash before reuse.  
P370 + P378 : In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**

P403 + P233 : Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 : Store in a well-ventilated place. Keep cool.  
P405 : Store locked up.

**Disposal:**

P501 : Dispose of contents/ container to an approved waste disposal plant.

**Supplemental information:****Potential Health Effects:**

If swallowed, may cause gastrointestinal irritation including nausea and vomiting. Vapor causes irritation to the respiratory tract and the eyes. Possible cross sensitization with other acrylates and methacrylates.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**



**BUTYL ACRYLATE**

Chemical Name	CAS-No.	Wt/Wt	GHS Classification**
2-Propenoic acid, butyl ester	141-32-2	>= 99 %	H226, H332, H315, H319, H317, H335, H412

\*\*For the full text of the H-Statements mentioned in this Section, see Section 16.

**4. FIRST AID MEASURES**

**4.1. Description of necessary first-aid measures:**

**Inhalation:**

If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Skin:**

In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eyes:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion:**

If swallowed, DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

**4.2. Most important symptoms/effects, acute and delayed:**

For most important symptoms and effects (acute and delayed), see Section 2 (Hazard Statements and Supplemental Information) and Section 11 (Toxicology Information) of this SDS.

**4.3. Indication of immediate medical attention and special treatment needed, if necessary:**

Unless otherwise noted in Notes to Physician, no specific treatment noted; treat symptomatically.

**5. FIREFIGHTING MEASURES**

**Extinguishing media (suitable):**

Water spray, Carbon dioxide (CO2), Dry chemical, Foam

**Extinguishing media (unsuitable):**

Water may be ineffective., Do not use a solid water stream as it may scatter and spread fire.

**BUTYL ACRYLATE****Protective equipment:**

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

**Further firefighting advice:**

Fight fire from a protected location.

Explosion hazard

Cool closed containers exposed to fire with water spray.

Closed containers of this material may explode when subjected to heat from surrounding fire.

After a fire, wait until the material has cooled to room temperature before initiating clean-up activities.

Do not allow run-off from fire fighting to enter drains or water courses.

Fire fighting equipment should be thoroughly decontaminated after use.

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, and other flames and ignition sources at locations distant from material handling point.

**Fire and explosion hazards:**

When burned, the following hazardous products of combustion can occur:

Carbon oxides

Hazardous organic compounds

A large amount of heat can be generated when monomers are exposed to a fire.

Heated sealed containers can explode.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, Emergency procedures, Methods and materials for containment/clean-up:**

Prevent further leakage or spillage if you can do so without risk. Evacuate area of all unnecessary personnel.

Ventilate the area. Eliminate all ignition sources. Avoid generation of vapors. Contain and collect spillage with non-combustible absorbent material such as sodium bicarbonate, sodium carbonate, calcium carbonate, clean sand or non-acidic clay and then wet down (dampen) the mixture with water. Sweep or scoop up using non-sparking tools and place into suitable properly labeled containers for prompt disposal. The sweepings should be wetted down further with water. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

**Protective equipment:**

Appropriate personal protective equipment is set forth in Section 8.

**BUTYL ACRYLATE****7. HANDLING AND STORAGE****Handling****General information on handling:**

Avoid breathing vapor or mist.  
Avoid contact with skin, eyes and clothing.  
Keep away from heat, sparks and flames.  
No smoking.  
Keep container closed.  
Use only with adequate ventilation.  
Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, and other flames and ignition sources at locations distant from material handling point.  
Wash thoroughly after handling.  
Check that all equipment is properly grounded and installed to satisfy electrical classification requirements.  
Container hazardous when empty.  
Follow label warnings even after container is emptied.  
RESIDUAL VAPORS MAY EXPLODE ON IGNITION.  
DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR THIS CONTAINER.  
Improper disposal or reuse of this container may be dangerous and/or illegal.  
Emptied container retains vapor and product residue.

**Storage****General information on storage conditions:**

Keep in a dry, cool place. Store in tightly closed container. Keep away from direct sunlight. Keep container closed when not in use. Store in closed containers, in a secure area to prevent container damage and subsequent spillage. Store in well ventilated area away from heat and sources of ignition such as flame, sparks and static electricity. An air space is required above the liquid in all containers; avoid storage under an oxygen-free atmosphere. Ensure that all storage and handling equipment is properly grounded and installed to satisfy electrical classification requirements. Static electricity may accumulate when transferring material. All metal and groundable storage containers, including but not limited to drums, cylinders, Returnable Intermodal Bulk Containers (RIBCs) and Class C Flexible Intermodal Bulk Containers (FIBCs) must be bonded and grounded during filling and emptying operations. Observe all federal, state and local regulations and National Fire Protection Association (NFPA) Codes which pertain to the specific local conditions of storage and use, including OSHA 29 CFR 1910.106 and NFPA 30, 70, 77, and 497.

**Storage stability – Remarks:**

The typical shelf-life for this product is 12 months. The stability of this product should be checked periodically; typically every 90 days for bulk containers. Materials recommended for packaging include: stainless steel, aluminum, glass, HDPE, PP or PTFE. Recommended oxygen level is 5 to 8% by volume. Recommended inhibitor level is 10 to 20 ppm. Uninhibited monomer vapors can polymerize and plug relief devices.

**Storage incompatibility – General:**

Store away from sources of heat and light. Store separate from:

- Free radical generators
- Peroxides
- Strong oxidizing agents
- Amines
- Rust
- Anhydrides
- Aldehydes
- Azides





**BUTYL ACRYLATE****Eye protection:**

Where there is potential for eye contact, wear chemical goggles and have eye flushing equipment immediately available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	colourless
<b>Physical state:</b>	liquid
<b>Odor:</b>	like fruit
<b>Odor threshold:</b>	0.3 ppb
<b>Flash point</b>	102 °F (39 °C) (closed cup)
<b>Auto-ignition temperature:</b>	559 °F (293 °C) (Method: Literature)
<b>Lower flammable limit (LFL):</b>	1.5 %(V) (Method: Literature)
<b>Upper flammable limit (UFL):</b>	9.9 %(V) (Method: Literature)
<b>pH:</b>	not determined
<b>Density:</b>	not determined
<b>Specific Gravity (Relative density):</b>	0.898 (68 °F ( 20 °C))
<b>Vapor pressure:</b>	0.40 mmHg (68 °F (20 °C))
<b>Vapor density:</b>	4.4 kg/m3 (Method: Literature)
<b>Boiling point/boiling range:</b>	297 °F (147 °C)
<b>Melting point/range:</b>	not determined
<b>Freezing point:</b>	-83 °F (-64 °C)
<b>Evaporation rate:</b>	No data available
<b>Solubility in water:</b>	2 g/l 77 °F (25 °C)
<b>Viscosity, dynamic:</b>	0.9 mPa.s 68 °F (20 °C)
<b>Molecular weight:</b>	128 g/mol
<b>Oil/water partition</b>	= 2.38

**BUTYL ACRYLATE**

coefficient:

**Thermal decomposition:** No data available

**Flammability:** See GHS Classification in Section 2

**10. STABILITY AND REACTIVITY****Stability:**

This material is chemically stable under normal and anticipated storage, handling and processing conditions. However, this material can undergo hazardous polymerization. See HANDLING AND STORAGE section of this SDS for specified conditions.

**Hazardous reactions:**

Hazardous polymerisation may occur.

Avoid freezing.

After freezing and thawing, hazardous polymerization can occur if thawed incorrectly.

**Materials to avoid:**

Free radical generators, Peroxides, Strong oxidizing agents

Amines

Rust

Anhydrides

Aldehydes

Strong bases.

Mercaptans

Halides

Azides

Ethers

Mineral acids

**Conditions / hazards to avoid:**

An uncontrolled polymerization may produce a rapid release of energy with the potential for an explosion of unvented closed containers or inadequately vented containers. This material polymerizes exothermically in the presence of heat, contamination, oxygen free atmosphere, free radicals, peroxides and inhibitor depletion liberating heat.

**Hazardous decomposition products:**

Thermal decomposition giving flammable and toxic products :

Carbon oxides

Hazardous organic compounds

**11. TOXICOLOGICAL INFORMATION**

Data on this material and/or a similar material are summarized below.

**Data for BUTYL ACRYLATE****Acute toxicity**

**Oral:**

**BUTYL ACRYLATE**

---

May be harmful if swallowed. (rat) LD50 = 3,143 - 9,050 mg/kg.

**Dermal:**

May be harmful in contact with skin. (rabbit) LD50 > 2,000 mg/kg.

**Inhalation:**

Harmful if inhaled. (rat) 4 h LC50 = 10.3 - 14.3 mg/l. (vapor)

Harmful if inhaled. (rat) 1 h LC50 = 23.04 - 33.3 mg/l. (vapor)

**Skin Irritation:**

Causes skin irritation. (rabbit) Irritation Index: 6.8/ 8.0. (15 min) (occluded exposure)

Causes skin irritation. (rabbit) Irritation Index: 6.5 / 8.0. (4 h)

**Eye Irritation:**

Causes serious eye irritation. (rabbit)

**Skin Sensitization:**

May cause allergic skin reaction. Guinea pig maximization test. Skin allergy was observed.

May cause allergic skin reaction. LLNA: Local Lymph Node Assay. (mouse) Produced an allergic reaction.

**Repeated dose toxicity**

Subchronic drinking water administration to rat / signs: changes in food or water consumption, decreased growth rate

Subchronic oral administration to rat / affected organ(s): liver / signs: increased organ weight

Subchronic inhalation administration to rat / affected organ(s): respiratory tract, eye / Local irritation

**Carcinogenicity**

Chronic inhalation administration to rat / No increase in tumor incidence was reported.

Chronic dermal administration to mouse / No increase in tumor incidence was reported.

Classified by the International Agency for Research on Cancer as: Group 3: Unclassifiable as to carcinogenicity in humans.

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria

Both positive and negative responses for genetic changes were observed in laboratory tests using: animal cells

**Assessment in Vivo:**

No genetic changes were observed in laboratory tests using: hamster, rat

**Developmental toxicity**

Exposure during pregnancy. Inhalation (Rat) / No birth defects were observed. (levels produced toxic effects in the mothers and offspring)

---

## BUTYL ACRYLATE

Exposure during pregnancy. Oral (Mouse) / Birth defects were observed. (levels produced toxic effects in the mothers and offspring)

### **Reproductive effects**

Repeated exposure by inhalation (rat) / Did not cause damage to the reproductive organs.

### **Other information**

Possible cross sensitization with other acrylates and methacrylates.

### **Human experience**

#### **Skin contact:**

Skin allergy was observed.

## 12. ECOLOGICAL INFORMATION

### **Chemical Fate and Pathway**

Data on this material and/or a similar material are summarized below.

#### **Data for BUTYL ACRYLATE**

##### **Stability in water:**

Half-life = 4 h (77 °F (25 °C) @pH 11 (Hydrolyses slowly.)

Half-life > 1,100 d (77 °F (25 °C) @pH 7 (Hydrolyses slowly.)

Half-life > 1,000 d (77 °F (25 °C) @pH 3 (Hydrolyses slowly.)

##### **Biodegradation:**

Readily biodegradable. (28 d) biodegradation > 80 %

##### **Biological Oxygen Demand:**

14 d BOD = 61% ThOD

28 d BOD = 57% ThOD

##### **BOD/COD Ratio:**

BOD/COD = 60 % (BOD5)

##### **Bioaccumulation:**

Slight potential to bioaccumulate.

##### **Octanol Water Partition Coefficient:**

log Pow = 2.38

### **Ecotoxicology**

Data on this material and/or a similar material are summarized below.

#### **Data for BUTYL ACRYLATE**



**BUTYL ACRYLATE****Aquatic toxicity data:**Toxic. *Cyprinodon variegatus* (sheepshead minnow) 96 h LC50 = 2.1 mg/lToxic. *Oncorhynchus mykiss* (rainbow trout) 96 h LC50 = 5.2 mg/l**Aquatic invertebrates:**Toxic. *Daphnia magna* (Water flea) 48 h EC50 = 8.2 mg/l**Algae:**Toxic. *Pseudokirchneriella subcapitata* (green algae) 96 h EC50 = 2.65 mg/lToxic. *Selenastrum capricornutum* 72 h EC50 = 5.9 mg/l**Microorganisms:**

Activated sludge 3 d EC0 (Respiration inhibition) &gt; 150 mg/l

**Chronic toxicity to aquatic invertebrates:***Daphnia magna* (Water flea) 21 d NOEC (reproduction) = 0.14 mg/l**13. DISPOSAL CONSIDERATIONS****Waste disposal:**

Disposal via incineration is recommended. Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

Take appropriate measures to prevent release to the environment.

**14. TRANSPORT INFORMATION****US Department of Transportation (DOT)**

UN Number : 2348  
Proper shipping name : Butyl acrylates, stabilized  
Class : 3  
Packaging group : III  
Marine pollutant : no

**International Maritime Dangerous Goods Code (IMDG)**

UN Number : 2348  
Proper shipping name : BUTYL ACRYLATES, STABILIZED  
Class : 3  
Packaging group : III  
Marine pollutant : no  
Flash point : 102 °F (39 °C) closed cup

**15. REGULATORY INFORMATION**

**BUTYL ACRYLATE**

**Chemical Inventory Status**

EU. EINECS	EINECS	Conforms to
US. Toxic Substances Control Act	TSCA	The components of this product are all on the TSCA Inventory.
Canadian Domestic Substances List (DSL)	DSL	All components of this product are on the Canadian DSL
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC (CN)	Conforms to
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	Conforms to
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	Conforms to
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	Conforms to
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	Conforms to
Australia Inventory of Chemical Substances (AICS)	AICS	Conforms to

**United States – Federal Regulations**

**SARA Title III – Section 302 Extremely Hazardous Chemicals:**

<u>Chemical name</u>	<u>CAS-No.</u>	<u>SARA Reportable Quantities</u>	<u>SARA Threshold Planning Quantity</u>
1,4-Benzenediol	123-31-9	100 lbs	500 lbs 10000 lbs

**SARA Title III - Section 311/312 Hazard Categories:**

Acute Health Hazard, Fire Hazard, Reactivity Hazard

**SARA Title III – Section 313 Toxic Chemicals:**

The following components are subject to reporting levels established by SARA Title III, Section 313:

<u>Chemical name</u>	<u>CAS-No.</u>	<u>De minimis concentration</u>	<u>Reportable threshold:</u>
2-Propenoic acid, butyl ester	141-32-2	1.0 %	10000 lbs (Otherwise used (non-manufacturing/processing)) 25000 lbs (Manufacturing and processing)



## BUTYL ACRYLATE

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):**

The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

**United States – State Regulations****New Jersey Right to Know**

<u>Chemical name</u>	<u>CAS-No.</u>
2-Propenoic acid, butyl ester	141-32-2

**New Jersey Right to Know – Special Health Hazard Substance(s)**

<u>Chemical name</u>	<u>CAS-No.</u>
2-Propenoic acid, butyl ester	141-32-2

**Pennsylvania Right to Know**

<u>Chemical name</u>	<u>CAS-No.</u>
2-Propenoic acid, butyl ester	141-32-2

**Pennsylvania Right to Know – Environmentally Hazardous Substance(s)**

<u>Chemical name</u>	<u>CAS-No.</u>
2-Propenoic acid, butyl ester	141-32-2

**California Prop. 65**

WARNING! This product contains a chemical known to the State of California to cause cancer.

<u>Chemical name</u>	<u>CAS-No.</u>
2-Propenoic acid, ethyl ester	140-88-5

**California Prop. 65**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

<u>Chemical name</u>	<u>CAS-No.</u>
Benzene, methyl-	108-88-3

**16. OTHER INFORMATION**

---

**BUTYL ACRYLATE**

---

**Full text of H-Statements referred to under sections 2 and 3.**

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.

## Miscellaneous:

Other information: Refer to National Fire Protection Association (NFPA) Codes 30, 70, 77, and 497 and OSHA 29 CFR 1910.106, for safe handling.

## Latest Revision(s):

Reference number: 200000034  
Date of Revision: 01/21/2017  
Date Printed: 01/22/2017

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; **NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.** The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See SDS for Health & Safety Considerations.

*Arkema has implemented a Medical Policy regarding the use of Arkema products in Medical Devices applications that are in contact with the body or circulating bodily fluids (<http://www.arkema.com/en/social-responsibility/responsible-product-management/medical-device-policy/index.html>) Arkema has designated Medical grades to be used for such Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications that are in contact with the body or circulating bodily fluids. In addition, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. The Arkema trademarks and the Arkema name shall not be used in conjunction with customers' medical devices, including without limitation, permanent or temporary implantable devices, and customers shall not represent to anyone else, that Arkema allows, endorses or permits the use of Arkema products in such medical devices.*

*It is the sole responsibility of the manufacturer of the medical device to determine the suitability (including biocompatibility) of all raw materials, products and components, including any medical grade Arkema products, in order to ensure that the final end-use product is safe for its end use; performs or functions as intended; and complies with all applicable legal and regulatory requirements (FDA or other national drug agencies) It is the sole responsibility of the manufacturer of the medical device to conduct all necessary tests and inspections and to evaluate the medical device under actual end-use requirements and to adequately advise and warn purchasers, users, and/or learned intermediaries (such as physicians) of pertinent risks and fulfill any postmarket surveillance obligations. Any decision regarding the appropriateness of a particular Arkema material in a particular medical device should be based on the judgment of the manufacturer, seller, the competent authority, and the treating physician.*



**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Trade name : GLYCOL ETHER EB ACETATE  
CAS Number: : 112-07-2  
Chemical characterization : Glycol Ethers  
Chemical name : 2-Butoxyethanol acetate  
Synonyms : Ethylene Glycol Monobutyl Ether Acetate; Butyl glycol acetate (BGA); Ethylene glycol butyl ether acetate (EGBE)

Identified uses : Solvent

**Company Address**

Equistar Chemicals, LP  
LyondellBasell Tower, Suite 300  
1221 McKinney St.  
P.O. Box 2583  
Houston Texas 77252-2583

**Company Telephone**

Customer Service  
888 777-0232  
product.safety@lyb.com

**Emergency telephone number**

CHEMTREC USA 800-424-9300  
EQUISTAR 800-245-4532

E-mail address : product.safety@lyb.com  
Responsible/issuing person

**2. HAZARDS IDENTIFICATION****GHS Classification**

Flammable liquids	Category 4
Acute toxicity; Oral	Category 4
Short-term (acute) aquatic hazard	Category 3

**Label elements****Hazard symbols** :**Signal word** : Warning**Hazard Statements** : H227 Combustible liquid.  
H302 Harmful if swallowed.  
H402 Harmful to aquatic life.

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

**Precautionary Statements****: Prevention**

- P210 Keep away from open flames/ hot surfaces. - No smoking.  
 P264 Wash hands thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response**

- P370 + P378 In case of fire: Use dry chemical, carbon dioxide, water spray, or alcohol-resistant foam.  
 P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.  
 P330 Rinse mouth.

**Storage**

- P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal**

- P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

No additional information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substances**

Chemical nature : Substance

**Components**

Chemical name	CAS-No. EC-No.	Weight %	Component Type
2-butoxyethyl acetate	112-07-2	<=100.0 %	A
2-Butoxyethanol	111-76-2	0.1 - 1.0 %	C

Key:  
 (A) Substance  
 (C) Impurity

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

**4. FIRST AID MEASURES**

- General advice : Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Show this material safety data sheet to the doctor in attendance. Do not leave the victim unattended.
- If inhaled : If symptoms are experienced, move victim to fresh air. Seek medical attention if discomfort persists.
- In case of skin contact : Immediately remove excess chemical and contaminated clothing; thoroughly wash contaminated skin with mild soap and water. If irritation persists after washing, seek medical attention. Thoroughly clean contaminated clothing before reuse; discard contaminated leather goods (gloves, shoes, belts, wallets, etc.).
- In case of eye contact : Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.
- If swallowed : IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

**Notes to physician**

- Symptoms : Inhalation may cause CNS symptoms like headache, dizziness, fatigue, muscular weakness, drowsiness and lack of coordination.
- Hazards : Harmful if swallowed, in contact with skin or if inhaled.
- Treatment : There is good evidence that ethylene glycol monobutyl ether acetate (EGBEA) is hydrolyzed by esterases to its parent glycol ether, ethylene glycol monobutyl ether (EGBE). In vitro results with human red blood suggest that humans are more resistant to the hemolytic effects of EGBE than laboratory test animals such as mice, rats, and rabbits. These results suggest that hemolysis and secondary effects observed in laboratory animals are unlikely to occur in humans except in extreme cases when exposure is severe and/or prolonged. Indicators for treatment and observation include metabolic acidosis, urinary excretion of 2-butoxy acetic acid (BAA), hemolysis, or

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

hematuria.

Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.  
Provide oxygen and/or ventilation assistance, if needed.

**5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : SMALL FIRE: Use dry chemicals, CO<sub>2</sub>, water spray or alcohol-resistant foam  
LARGE FIRE: Use water spray, water fog or alcohol-resistant foam
- Specific hazards during fire fighting : Fine sprays/mists may be combustible at temperatures below normal flash point.  
Avoid sparks, heat, and open flame.  
Vapors can travel to a source of ignition and flash back.  
Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Do not get water inside containers.  
Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire.
- Special protective equipment for fire-fighters : Wear positive pressure self-contained breathing apparatus (SCBA).  
Structural firefighter's protective clothing will only provide limited protection.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Evacuate personnel to safe areas.  
Keep people away from and upwind of spill/leak.  
Use personal protective equipment.  
Ensure adequate ventilation.  
Eliminate all sources of ignition.
- Environmental precautions : Do not allow contact with soil, surface or ground water.  
Do not discharge product into the aquatic environment without pretreatment (biological treatment plant).  
Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.
- Methods for containment / : Contain spill with dike to prevent entry into sewers or

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

## Methods for cleaning up

waterways.

For large spills, dike and pump into properly labeled containers for reclamation or disposal. For small spills, soak up with absorbent material and place in properly labeled containers for disposal.

All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.

## Additional advice

: Keep non-involved personnel away from the area of spillage. Treat recovered material as described in the section "Disposal considerations".

**7. Handling and storage****Precautions for safe handling**

Advice on safe handling : Containers, even those that have been emptied, will retain product residue and vapor and should be handled as if they were full. Do not eat, drink or smoke in areas where this material is used.

Fire-fighting class : OSHA/NFPA Class IIIA Combustible Liquid.

**Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Store containers in a cool, dry, ventilated, fire resistant area away from sources of ignition and incompatible materials. Keep container tightly closed and properly labeled.

**Specific end use(s)**

: See Section 1.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Ingredients with workplace control parameters****Occupational Exposure Limits**

Components	CAS-No.	Type	Limit Value	Basis Revision Date	Additional Information
------------	---------	------	-------------	------------------------	---------------------------



**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

2-butoxyethyl acetate	112-07-2	TWA	20 ppm	US (ACGIH) 2012	
2-Butoxyethanol	111-76-2	TWA	20 ppm	US (ACGIH) 2012	
2-Butoxyethanol	111-76-2	IDLH	700 ppm	NIOSH September 2007	
2-Butoxyethanol	111-76-2	TWA	50 ppm 240 mg/m3	US (OSHA) June 23, 2006	

Consult local authorities for acceptable exposure limits.

**Exposure controls****Engineering measures**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

**Personal protective equipment**

- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hand protection : Wear chemical resistant gloves (EN374) such as:  
Butyl rubber.  
Neoprene.
- Eye and face protection : Wear safety glasses as minimum eye protection. Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice. Use protective eye and face devices that comply with ANSI Z87.1-1987.
- Skin and body protection : Appropriate protective clothing should be worn to prevent skin contact.
- Hygiene measures : Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.  
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.  
Use good personal hygiene practices.  
Wash hands before eating, drinking, smoking, or using toilet facilities.  
Take off contaminated clothing and wash before reuse.  
Wash clothing frequently.

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Color	: Colorless.
Odor	: fruity
Odor Threshold	: 0.01 - 0.48 ppm
Flash point	: 74 - 84 °C Method: Tag closed cup Method: ASTM D 56
Lower explosion limit	: 0.9 vol% (tested at 93.3°C/200°F, 1 atm).
Upper explosion limit	: 8.8 vol% (tested at 93.3°C/200°F, 1 atm).
Oxidizing properties	: No Data Available.
Decomposition temperature	: not determined
pH	: 3 - 5
Melting point/freezing point	: -63.5 °C
Boiling point/boiling range	: 192 °C at 1,013 hPa
Vapor pressure	: 0.026 hPa at 25 °C
Density	: 0.943 g/cm <sup>3</sup> at 20 °C (Water = 1)
Water solubility	: 15 g/l 20 °C
Partition coefficient: n-octanol/water	: log Pow: 1.51 at 25 °C
Viscosity, dynamic	: No Data Available.
Viscosity, kinematic	: 1.9 mm <sup>2</sup> /s

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

	at 20 °C
	1.3 mm <sup>2</sup> /s at 40 °C
Relative vapor density	: 5.5 (Air = 1.0)
Evaporation rate	: 0.03
Explosive properties	: No Data Available.
Other Information	: No additional information available.

**10. STABILITY AND REACTIVITY**

Reactivity	: Will not occur.
Chemical stability	: Stable under recommended storage conditions.
Hazardous reactions	: Will not occur.
Conditions to avoid	: Forms explosive peroxides on prolonged storage.
Materials to avoid	: Strong acids Strong oxidizing agents. Zinc and Zinc alloys
Hazardous decomposition products	: Not expected to decompose under normal conditions.
Thermal decomposition	: Incomplete combustion may produce carbon monoxide and other toxic gases.

**11. TOXICOLOGICAL INFORMATION**

<b>Product Summary</b>	: The below given information is based on the assessment of the product including impurities.
<b>Acute toxicity</b>	
<b>Acute oral toxicity</b>	: Classified Harmful if swallowed.  : LD50: 1,600 mg/kg Species: Rat
<b>Acute inhalation toxicity</b>	: Based on acute toxicity values, not classified.

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

- : Exposure to vapor may cause irritation of the eyes, nose, or throat.
- : LC0: > 400 ppm  
Exposure time: 4 HOURS  
Species: Rat
- Acute dermal toxicity** : Based on acute toxicity values, not classified.
- : LD50: > 2,000 mg/kg  
Species: Guinea pig
- Skin corrosion/irritation** : Based on skin irritation values, not classified.
- Serious eye damage/eye irritation** : Based on eye irritation values, not classified.
- Respiratory or skin sensitization** : Respiratory sensitization  
Not classified  
No study available.
- : Skin sensitization  
Not classified  
No adverse effect observed.
- Chronic toxicity**
- Carcinogenicity : Not classified  
Contains a substance that has a positive carcinogenicity study.  
The weight of evidence for the carcinogenicity of this substance does not meet the criteria for classification.
- Germ cell mutagenicity : Not classified  
No adverse effect observed.
- Reproductive toxicity**
- Effects on fertility / : Not classified  
Effects on or via lactation No adverse effect observed.
- Effects on Development : Not classified  
No adverse effect observed.

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

- Target Organ Systemic Toxicant - Single exposure** : Based on single exposure toxicity values, not classified.
- Target Organ Systemic Toxicant - Repeated exposure** : Based on repeated exposure toxicity values, not classified.
- : Results from acute and repeat exposure studies in rats, mice and rabbits indicate that EGBE causes injury to red blood cells with subsequent intravascular hemolysis and anemia, and secondary changes in the liver and kidney. Human and guinea pig red blood cells are resistant to EGBE injury and therefore the effects noted in sensitive species are not relevant to humans.
- Aspiration hazard** : Based on physico-chemical values or lack of human evidence, not classified.

**12. Ecological information****Ecotoxicology Assessment**

- Short-term (acute) aquatic hazard** : Classified, Harmful to aquatic life.
- Long-term (chronic) aquatic hazard** : Not classified, based on readily biodegradability and low acute toxicity.
- Toxicity to fish** : Harmful to fish.
- : LC50: 22 mg/l  
Exposure time: 96 HOURS  
Species: Pimephales promelas (fathead minnow)
- Toxicity to daphnia and other aquatic invertebrates** : Harmful to aquatic invertebrates
- : LC50: 37 mg/l  
Exposure time: 48 HOURS  
Species: Daphnia magna.  
Test type: Immobilization
- Toxicity to algae** : Low toxicity to algae.
- Toxicity to bacteria** : Low toxicity to sewage microbes.
- Toxicity to fish (Chronic toxicity)** : no data available
- Toxicity to daphnia and** : Low chronic toxicity to aquatic invertebrates.



**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

**other aquatic invertebrates  
(Chronic toxicity)**

**Persistence and degradability**

**Biodegradability** : Biodegradation: 77 - 97 %  
Rapidly degradable.  
(After 28 days in a ready biodegradability test)

**Bioaccumulative potential**

**Bioaccumulation** : Bioconcentration factor (BCF): 4.61  
Method: (QSAR calculated value)  
This material is not expected to bioaccumulate.

**Mobility in soil**

**Distribution among  
environmental  
compartments** : Type: Stability in water  
Slow hydrolysis of ester acetate group is expected

: Type: Stability in soil  
no data available  
Low absorption to soil particulates predicted

**Other adverse effects**

**Environmental fate and  
pathways** : No additional information available.

**Other information**

**Additional ecological  
information** : No additional information available.

**13. Disposal considerations****Waste treatment methods**

Product : Contaminated product, soil, water, container residues and spill  
cleanup materials may be hazardous wastes.  
Comply with federal, state, or local regulations for disposal.

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

**14. TRANSPORT INFORMATION**

This material does not sustain combustion and is classified as non-regulated material in the United States under the provisions of 49 CFR 173.120(b)(3).

Not regulated for transport

**15. REGULATORY INFORMATION****TSCA 12b**

No substances are subject to TSCA 12(b) export notification requirements.

**Significant New Use Rules (SNUR)**

No substances are subject to a Significant New Use Rule.

**SARA 302/304**

This product contains no known chemicals regulated under SARA 302/304.

**SARA 311/312**

Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312:

Flammable (gases, aerosols, liquids, or solids) Acute toxicity (any route of exposure)
---

**SARA 313**

This product contains the following chemicals subject to the reporting requirements of SARA Title III, Section 313 and 40 CFR 372:

Component	CASRN	Reporting Threshold
2-butoxyethyl acetate	112-07-2	1.0%
2-Butoxyethanol	111-76-2	1.0%

**State Reporting**

This material does not contain listed substance(s) known to the State of California to cause cancer, birth defects, or other reproductive harm that would require warning under the California Proposition 65 State Drinking Water and Toxic Enforcement Act.

However, LyondellBasell has not tested for the presence of listed chemical substances.

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

This product contains the following chemicals regulated by New Jersey's Worker and Community Right to Know Act:

112-07-2            2-butoxyethyl acetate  
111-76-2            2-Butoxyethanol

No components are subject to the Massachusetts Right to Know Act.

This product contains the following chemicals regulated by Pennsylvania's Right to Know Act:

108-88-3            Toluene

**Other international regulations****Global Inventory Status**

The ingredients of this product are compliant with the following chemical inventory requirements or exemptions.

\*Additional Explanatory Status Statements follow the table, as necessary.

Country/Region	Inventory	Status Description
Australia	AICS	Compliant
Canada	DSL	Compliant
China	IECSC	Compliant
Europe	REACH	See REACH Compliance Statement
Japan	ENCS	Compliant
Korea	KECI	Compliant
New Zealand	NZIoC	Compliant
Philippines	PICCS	Compliant
United States of America	TSCA	Compliant
Taiwan	TCSCA	Compliant

*REACH status*

*If the product has been purchased from any company of the LyondellBasell group of companies registered in the European Union, we confirm that the chemical substance in this product has been registered under REACH, in accordance with the deadlines set forth in REACH. (Regulation (EU) No. 1907/2006)*

Contact [product.safety@lyb.com](mailto:product.safety@lyb.com) for additional global inventory information.

**16. OTHER INFORMATION**

**Material safety datasheet sections which have been updated:**

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

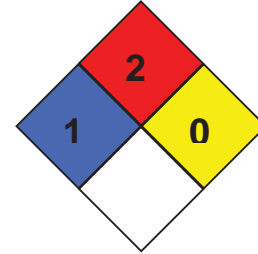
**Material safety datasheet sections which have been updated:**

Revised Section(s): 14

**HMIS Classification** : Health Hazard: 1  
Flammability: 2  
Physical hazards: 0



**NFPA Classification** : Health Hazard: 1  
Fire Hazard: 2  
Instability: 0

**Further information**

HMIS rating scale (0 = minimal hazard; 4 = severe hazard)

NFPA rating scale (0 = minimal hazard; 4 = severe hazard)

**Disclaimer**

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative or visit the LyondellBasell website at: <https://www.lyondellbasell.com/en/products-technology/product-safety-stewardship/>  
The Trade Name referenced in section 1 is a trademark owned or used by the LyondellBasell family of companies.

**Numerical Data Presentation**

The presentation of numerical data, such as that used for physical and chemical properties and toxicological values, is expressed using a comma (,) to separate digits into groups of three and a period (.) as the decimal marker. For example, 1,234.56 mg/kg = 1 234,56 mg/kg.

**Language Translations**

The information presented in this document has been translated from English by a vendor LyondellBasell believes to be reliable. LyondellBasell and its vendor have made a good-faith effort to verify the accuracy of the translation, but assume no liability or other responsibility for any errors that may have occurred. Please refer to our web site ([www.lyondellbasell.com](http://www.lyondellbasell.com)) for the original document written in English.

**GLYCOL ETHER EB ACETATE**

Gen. Variant: SDS\_US\_GHS

Version 1.4

Revision Date 10/08/2020

Print Date 10/09/2020

SDS No.: 3384

**End of Material Safety Data Sheet**



# Safety Data Sheet



Oronite

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

### LUBAD 1903

**Product Use:** Lubricating oil additive

**Company Identification**

Chevron Oronite Company LLC  
3901 Briarpark Dr.  
Houston, TX 77042  
United States of America

**Transportation Emergency Response**

Asia: Chevron Emergency Information Centre +(1) 510-231-0623  
Australia: 1 800 009 010  
China: (+86) 4001-204937  
Europe: Oronite SA - Gonfreville Plant +33 2 35 25 55 00  
North America: CHEMTREC (800) 424-9300 or (703) 527-3887  
South America: Chevron Oronite Brasil Ltda (24 hours) 55 11 4478-1200

**Health Emergency**

USA: International collect calls accepted. (800) 231-0623 or (510) 231-0623

**Product Information**

SDS Requests: (+1) 877-512-7200  
Technical Information: (+1) 877-512-7200

Oronite D-Tect®, OLOA®, OGA®, OFA®, ODA®, PARATONE®, and TFA® are registered trademarks of the Chevron Oronite Company LLC.

## SECTION 2 HAZARDS IDENTIFICATION

**CLASSIFICATION:**

- Acute aquatic toxicant: Category 3.
- Chronic aquatic toxicant: Category 3.

**Environmental Hazards:**

- Harmful to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENTS:**

**Prevention:**

- Avoid release to the environment.

**Disposal:**

- Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**HAZARDS NOT OTHERWISE CLASSIFIED:** Heating may release highly toxic and flammable hydrogen sulfide (H<sub>2</sub>S). Do not attempt rescue without supplied-air respiratory protection.

## SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	35 - 40 %weight
Zinc alkyl dithiophosphate	68649-42-3	5 - 10 %weight
Arenesulfonic acid, alkyl derivatives, metal salts	Trade secret	1 - 5 %weight
Branched alkylphenol and Calcium branched alkylphenol	74499-35-7 & 132752-19-3	< 0.3 %weight

#### SECTION 4 FIRST AID MEASURES

##### Description of first aid measures

**Eye:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

**Skin:** Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, apply a waterless hand cleaner, mineral oil, or petroleum jelly. Then wash with soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

**Ingestion:** No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

**Inhalation:** No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs. If exposure to hydrogen sulfide (H<sub>2</sub>S) gas is possible during an emergency, wear an approved, positive pressure air-supplying respirator. Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

##### Most important symptoms and effects, both acute and delayed

##### IMMEDIATE HEALTH EFFECTS

**Eye:** Not expected to cause prolonged or significant eye irritation.

**Skin:** Repeated contact with the skin may cause irritation. Symptoms may include pain, itching, discoloration, swelling, and blistering. Contact with the skin is not expected to cause an allergic skin response.

**Ingestion:** Not expected to be harmful if swallowed.

**Inhalation:** Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing. Hydrogen sulfide has a strong rotten-egg odor. However, with continued exposure and at high levels, H<sub>2</sub>S may deaden a person's sense of smell. If the rotten egg odor is no longer noticeable, it may not necessarily mean that exposure has stopped. At low levels, hydrogen sulfide causes irritation of the eyes, nose, and throat. Moderate levels can cause headache, dizziness, nausea, and vomiting, as well as coughing and difficulty breathing. Higher levels can cause shock, convulsions, coma, and death. After a serious exposure, symptoms usually begin immediately.

The U.S. National Institute for Occupational Safety and Health (NIOSH) considers air concentrations of hydrogen sulfide gas greater than 100 ppm to be Immediately Dangerous to Life and Health (IDLH).

**DELAYED OR OTHER HEALTH EFFECTS:** Not classified

##### Indication of any immediate medical attention and special treatment needed

**Note to Physicians:** Administration of 100% oxygen and supportive care is the preferred treatment for poisoning by hydrogen sulfide gas. For additional information on H<sub>2</sub>S, see Chevron SDS No. 301.

#### SECTION 5 FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

**PROTECTION OF FIRE FIGHTERS:**

**Fire Fighting Instructions:** This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

**Combustion Products:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Nitrogen, Phosphorus, Sulfur, Zinc, Calcium, Boron, Molybdenum, Magnesium.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Protective Measures:** Eliminate all sources of ignition in vicinity of spilled material.

**Spill Management:** Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

**Reporting:** Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

**SECTION 7 HANDLING AND STORAGE**

**General Handling Information:** The recommended reheating medium is hot water or regulated low pressure steam. Care must be taken not to exceed the temperatures stated above when reheating this material in order to avoid decomposition that releases hazardous fumes. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

**Precautionary Measures:** If adequate engineering controls are used, short term activities such as loading, unloading and in-line blending may occur at temperatures ranging from 80-85°C (176-185°F). During shipment by railcar or tank truck, loading temperatures as high as 80-85°C (176-185°F) may be used and are expected to drop to 66°C (150°F) or lower within 7 days. Storage temperatures for up to 2 weeks should not exceed 66°C (150°F). The recommended long-term (2 weeks or more) storage temperature is ambient to 45°C (113°F) maximum. Do not get in eyes, on skin, or on clothing. Do not breathe gas. Wash thoroughly after handling.

**Unusual Handling Hazards:** Toxic quantities of hydrogen sulfide (H<sub>2</sub>S) may be present in storage tanks and bulk transport vessels which contain or have contained this material. Persons opening or entering these compartments should first determine if H<sub>2</sub>S is present. See Exposure Controls/Personal Protection -Section 8. Do not attempt rescue of a person over exposed to H<sub>2</sub>S without wearing approved supplied-air or self-contained breathing equipment. If there is a potential for exceeding one-half the occupational exposure standard, monitoring of hydrogen sulfide levels is required. Since the sense of smell cannot be relied upon to detect the presence of H<sub>2</sub>S, the concentration should be measured by the use of fixed or portable devices.

**Static Hazard:** Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.

**Container Warnings:** Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode

and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

### ENGINEERING CONTROLS:

Use in a well-ventilated area.

### PERSONAL PROTECTIVE EQUIPMENT

**Eye/Face Protection:** Wear protective equipment to prevent eye contact. Selection of protective equipment may include safety glasses, chemical goggles, face shields, or a combination depending on the work operations conducted.

**Skin Protection:** Wear protective clothing to prevent skin contact. Selection of protective clothing may include gloves, apron, boots, and complete facial protection depending on operations conducted. Suggested materials for protective gloves include: Nitrile Rubber, Silver Shield, Viton.

**Respiratory Protection:** No respiratory protection is normally required.

If material is heated and emits hydrogen sulfide, determine if airborne concentrations are below the occupational exposure limit for hydrogen sulfide. If not, wear an approved positive pressure air-supplying respirator. For more information on hydrogen sulfide, see Chevron SDS No. 301. If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

### Occupational Exposure Limits:

Component	Agency	Form	TWA	STEL	Ceiling	Notation
Highly refined mineral oil (C15 - C50)	ACGIH	--	5 mg/m3	10 mg/m3	--	--
Highly refined mineral oil (C15 - C50)	OSHA Z-1	--	5 mg/m3	--	--	--

Consult local authorities for appropriate values.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Attention:** the data below are typical values and do not constitute a specification.

**Color:** Brown

**Physical State:** Liquid

**Odor:** Petroleum odor

**Odor Threshold:** No data available

**pH:** Not Applicable

**Vapor Pressure:** No data available

**Vapor Density (Air = 1):** No data available

**Initial Boiling Point:** No data available

**Solubility:** Insoluble in water.

**Freezing Point:** No data available

**Melting Point:** No data available  
**Density:** 0.9703 kg/l @ 15°C (59°F)  
**Viscosity:** 1400 cSt @ 40°C (104°F)  
**Coefficient of Therm. Expansion / °F:** 0.000360  
**Evaporation Rate:** No data available  
**Decomposition temperature:** No data available  
**Octanol/Water Partition Coefficient:** No data available

**FLAMMABLE PROPERTIES:**

**Flammability (solid, gas):** Not Applicable

**Flashpoint:** (Pensky-Martens Closed Cup) 140 °C (284 °F) (Minimum)

**Autoignition:** No data available

**Flammability (Explosive) Limits (% by volume in air):** Lower: No data available Upper: No data available

**SECTION 10 STABILITY AND REACTIVITY**

**Reactivity:** May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

**Chemical Stability:** This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Conditions to Avoid:** Do not exceed handling and storage temperatures listed in SDS Section 7 (Handling and Storage).

**Incompatibility With Other Materials:** Not applicable

**Hazardous Decomposition Products:** Hydrogen Sulfide (See Section 7), Alkyl Mercaptans (See Section 7)

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**SECTION 11 TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Serious Eye Damage/Irritation:** The eye irritation hazard is based on an evaluation of the data for similar products. These data show that a specific component present in this product antagonizes (or decreases the severity of) the eye irritation of the ZnDTP.

**Skin Corrosion/Irritation:** The material is not considered a skin irritant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Skin Sensitization:** The material is not considered a skin sensitizer. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Acute Dermal Toxicity:** The material is not considered a dermal toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Acute Oral Toxicity:** The material is not considered an oral toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Acute Inhalation Toxicity:** The material is not considered an inhalation toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Acute Toxicity Estimate:** Not Determined

**Germ Cell Mutagenicity:** The material is not considered a mutagen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Carcinogenicity:** The material is not considered a carcinogen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.



**Reproductive Toxicity:** The material is not considered a reproductive toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Specific Target Organ Toxicity - Single Exposure:** The material is not considered a target organ toxicant (single exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Specific Target Organ Toxicity - Repeated Exposure:** The material is not considered a target organ toxicant (repeated exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Aspiration Hazard:** The material is not considered an aspiration hazard.

#### **ADDITIONAL TOXICOLOGY INFORMATION:**

This product contains Arenesulfonic acid, alkyl derivatives, metal salts. This substance may cause skin sensitization, eye irritation, lung effects, skin corrosion. When using this substance, avoid skin contact, avoid ingestion, use skin protection. This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

Tetrapropenyl phenol (TPP), also known as dodecyl phenol, was tested in a rat oral gavage one-generation reproductive toxicity study (doses of 0, 5, 25, or 125 mg/kg/day) and a rat dietary two-generation reproductive toxicity study (doses of 0, 1.5, 15, or 75 mg/kg/day). Results from the one-generation study demonstrated reduced ovary weights and changes in male reproductive accessory organs (decreased organ weights, decreased secretions, and decreased epididymal sperm concentrations) at 25 mg/kg/day; 5 mg/kg/day was identified as the No Observed Adverse Effect Level (NOAEL). Results from the two-generation study demonstrated prolonged estrous cyclicity, reduced ovary weights, accelerated sexual maturation, decreased mean live litter size, decreased fertility rates, hypospermia, and reduced weights in male reproductive accessory organs at 75 mg/kg/day; 15 mg/kg/day was identified as the NOAEL.

Evaluation of these two primary studies of TPP (one- & two-generation reproductive toxicity studies), as well as supporting data from additional in-vivo & in-vitro studies of both TPP and substances containing TPP & TPP/calcium salts as an impurity resulted in a classification of TPP as a Category 1B under the criteria of the Globally Harmonized System and Regulation (EC) No 1907/2006 (presumed reproductive hazard to humans).

The studies were also evaluated to identify a valid & reliable specific concentration limit (SCL) for reproductive effects, below which reproductive toxicity would not be expected to occur. An SCL of 1.5 wt% TPP & TPP/calcium salts was derived based on the identified NOAEL from the rat dietary two-generation reproductive toxicity study, and confirmed by supporting studies of substances containing TPP as an impurity.

## **SECTION 12 ECOLOGICAL INFORMATION**

### **ECOTOXICITY**

This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in

the aquatic environment.

The product has not been tested. The statement has been derived from the properties of the individual components.

This material contains one or more components that have a branched alkylphenol impurity that is highly toxic to aquatic organisms (disclosed in Section 3). The components containing the impurity have been tested and are not toxic to aquatic organisms. Therefore the data in Section 3 for the alkylphenol impurity should not be used to classify the product for aquatic toxicity.

#### **MOBILITY**

No data available.

#### **PERSISTENCE AND DEGRADABILITY**

This material is not expected to be readily biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

#### **POTENTIAL TO BIOACCUMULATE**

Bioconcentration Factor: No data available.

Octanol/Water Partition Coefficient: No data available

### **SECTION 13 DISPOSAL CONSIDERATIONS**

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by international, country, or local laws and regulations.

### **SECTION 14 TRANSPORT INFORMATION**

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

**DOT Shipping Description:** NOT REGULATED AS HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

**IMO/IMDG Shipping Description:** NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

**ICAO/IATA Shipping Description:** NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:**  
Not applicable

### **SECTION 15 REGULATORY INFORMATION**

**EPCRA 311/312 CATEGORIES:** Not applicable

#### **REGULATORY LISTS SEARCHED:**

01-1=IARC Group 1	05=MA RTK
01-2A=IARC Group 2A	06=NJ RTK
01-2B=IARC Group 2B	07=PA RTK
02=NTP Carcinogen	08-1=TSCA 5(e)
03=EPCRA 313	08-2=TSCA 12(b)
04=CA Proposition 65	

The following components of this material are found on the regulatory lists indicated.

Zinc alkyl dithiophosphate	03, 06, 07
Arenesulfonic acid, alkyl derivatives, metal salts	08-2

U.S. Toxic Substances Control Act (TSCA): The product contains a chemical substance subject to a Consent Order or Significant New Use Rule (SNUR) per 40 CFR 721.11180.

**CHEMICAL INVENTORIES:**

All components comply with the following chemical inventory requirements: AIIIC (Australia), DSL (Canada), ENCS (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States).

One or more components has been notified but may not be listed in the following chemical inventories: IECSC (China). Separate notification may be required.

Please contact Oronite at SDS\_REACH@chevron.com for more information concerning EU-REACH.

**SECTION 16 OTHER INFORMATION**

**NFPA RATINGS:** Health: 2 Flammability: 1 Reactivity: 0

**HMIS RATINGS:** Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, \*- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

**REVISION STATEMENT:** SECTION 02 - Hazards Otherwise Not Classified information was modified.

SECTION 03 - Composition information was modified.

SECTION 04 - First Aid - Eye information was modified.

SECTION 04 - First Aid - Inhalation information was modified.

SECTION 04 - First Aid - Note to Physicians information was added.

SECTION 04 - First Aid - Skin information was modified.

SECTION 04 - Immediate Health Effects - Eye information was modified.

SECTION 04 - Immediate Health Effects - Inhalation information was modified.

SECTION 04 - Immediate Health Effects - Skin information was modified.

SECTION 06 - Environmental Precautions information was modified.

SECTION 07 - Precautionary Measures information was modified.

SECTION 07 - Unusual Handling Hazards information was added.

SECTION 08 - Eye/Face Protection information was modified.

SECTION 08 - Respiratory Protection information was modified.

SECTION 08 - Skin Protection information was deleted.

SECTION 11 - Additional Toxicology Information information was modified.

SECTION 11 - Carcinogenicity information was added.

SECTION 11 - Germ Cell Mutagenicity information was added.

SECTION 11 - Reproductive Toxicity information was added.

SECTION 11 - Specific Target Organ Toxicity - Repeated Exposure information was added.

SECTION 11 - Specific Target Organ Toxicity - Single Exposure information was added.

SECTION 11 - Toxicological Information information was added.

SECTION 11 - Toxicological Information information was modified.

SECTION 12 - Ecological Information information was added.

SECTION 12 - Ecological Information information was deleted.

SECTION 15 - Chemical Inventories information was modified.

SECTION 15 - Regulatory Information information was added.

SECTION 15 - Regulatory Information information was deleted.

SECTION 15 - Regulatory Information information was modified.

SECTION 16 - NFPA Rating information was modified.

**Revision Date:** January 06, 2022

**ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:**

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
GHS - Globally Harmonized System	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Governmental Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	SDS - Safety Data Sheet
HMIS - Hazardous Materials Information System	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration
NCEL - New Chemical Exposure Limit	EPA - Environmental Protection Agency
SCBA - Self-Contained Breathing Apparatus	

Prepared according to the 29 CFR 1910.1200 (2012) by Chevron Technical Center, 6001 Bollinger Canyon Road, San Ramon, CA 94583.

**The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.**

151229  
 1515-94  
 152001  
 152001  
 152001

## Section 1. Identification

**GHS product identifier** : YUBASE 6  
**Product code** : Not available.  
**Chemical name** : Distillates (petroleum), hydrotreated heavy paraffinic  
**Other means of identification** : Baseoil - unspecified; Distillates, petroleum, hydrotreated heavy paraffinic; Mineral oil, petroleum distillates, hydrotreated heavy paraffinic; Distillates (petroleum), hydro-treated heavy paraffinic; Paraffin oil; HYDROTREATED HEAVY PARAFFINIC DISTILLATE; DISTILLATES (PETROLEUM) HYDROFVLD  
**Product type** : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

#### Identified uses

Manufacture of lubricants.

**Supplier's details** : SK Lubricants Co., Ltd.  
 26, Jong-ro, Jongno-gu, Seoul, Korea Telephone: +82-2-2121-5114  
 INTL Telephone: 1-800-424-9300 (CHEMTREC)

**Emergency telephone number (with hours of operation)** : +82-52-208-2114 - Hours of operation: 9:00-18:00

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

### GHS label elements

**Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.

### Precautionary statements

**Prevention** : Not applicable.  
**Response** : Not applicable.  
**Storage** : Not applicable.  
**Disposal** : Not applicable.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture Chemical** : Substance

**Other means of identification** : Distillates (petroleum), hydrotreated heavy paraffinic  
 Baseoil - unspecified; Distillates, petroleum, hydrotreated heavy paraffinic; Mineral oil, petroleum distillates, hydrotreated heavy paraffinic; Distillates (petroleum), hydro-treated heavy paraffinic; Paraffin oil; HYDROTREATED HEAVY PARAFFINIC DISTILLATE; DISTILLATES (PETROLEUM) HYDROFVLD

**UNAS number/other identifiers**



## Section 3. Composition/information on ingredients

CAS number : 64742-54-7

Ingredient name	%	CAS number
Distillates (petroleum), hydrotreated heavy paraffinic	100	64742-54-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

## Section 5. Fire-fighting measures

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : No specific data.
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated heavy paraffinic	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction <b>NIOSH REL (United States, 10/2016).</b> TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist <b>OSHA PEL (United States, 6/2016).</b> TWA: 5 mg/m <sup>3</sup> 8 hours.

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

Physical state	: Liquid.
Color	: Clear. Colorless.
Odor	: Mineral oil. [Slight]
Odor threshold	: Not available.
pH	: Not available.
Melting point	: Not available.

## Section 9. Physical and chemical properties

Flash point	: Closed cup: $\geq 220^{\circ}\text{C}$ ( $\geq 428^{\circ}\text{F}$ )
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: $\leq 0.01$ kPa ( $\leq 0.075006$ mm Hg) [room temperature]
Vapor density	: $\geq 5$ [Air = 1]
Relative density	: 0.842 [Water = 1]
Solubility	: Not available.
Solubility in water	: Not available.
Partition coefficient: n-octanol/water	: 3.9 to 6
Auto-ignition temperature	: 260 to $371^{\circ}\text{C}$ (500 to $699.8^{\circ}\text{F}$ )
Decomposition temperature	: Not available.
Viscosity	: Kinematic ( $40^{\circ}\text{C}$ ( $104^{\circ}\text{F}$ )): $0.36$ $\text{cm}^2/\text{s}$ (36 cSt)
Flow time (ISO 2431)	: Not available.

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic	LC50 Inhalation Dusts and mists	Rat	$>5.53$ mg/l	4 hours
	LD50 Dermal	Rabbit	$>5000$ mg/kg	-
	LD50 Oral	Rat	$>5000$ mg/kg	-

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.



## Section 11. Toxicological information

**Conclusion/Summary** : The DMSO extract by IP 346 of this substance is less than 3% (typical 0.2% with maximum 0.5%).  
Consequently it is not classified as a carcinogen.

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

Numerical measures of toxicity



## Section 11. Toxicological information

Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic	Acute EC50 >100 mg/l	Daphnia	48 hours
	Acute IC50 >100 mg/l	Algae	72 hours
	Acute LC50 >100 mg/l	Fish	96 hours

### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), hydrotreated heavy paraffinic	-	-	Inherent

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Distillates (petroleum), hydrotreated heavy paraffinic	3.9 to 6	-	high

### Stability in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-

## Section 14. Transport information

Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : TSCA 8(a) CDR Exempt/Partial exemption: This material is listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Not applicable.

#### Composition/information on ingredients

No products were found.

### State regulations

**Massachusetts** : Listed.

**New Jersey** : Listed.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

## Section 15. Regulatory information

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

Australia	: Listed
Canada	: Listed
China	: Listed
Europe	: Listed
Japan	: Japan inventory (ENCS): Listed
Malaysia	: Listed
New Zealand	: Listed
Philippines	: Listed
Republic of Korea	: Listed
Taiwan	: Listed
Turkey	: Listed
United States	: Listed

## Section 16. Other information

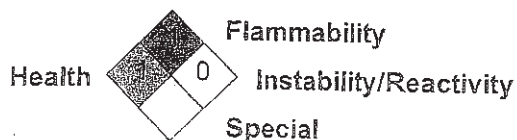
### Hazardous Material Information System (U.S.A.)

Health	/	0
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### National Fire Protection Association (U.S.A.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

**Section 16. Other information**

Classification	Justification
Not classified.	

**History**

Date of printing	: 1/1/2020
Date of issue/Date of revision	: 1/1/2020
Date of previous issue	: No previous validation
Version	: 1.01
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	: CONCAWE, ECHA

✓ indicates information that has changed from previously issued version.

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

# 3a Self Data 3yeet



Oronite

## 3hECLN1 ORLDPEC AND EL MOANY DhNCFEACL N

### L UL A BB190

**Product Pse:** Lubricating oil additive

**Companf Identification**

Chevron Oronite Company LLC  
3901 Briarpark Dr.  
Houston, TX 77042  
United States of America

**Transportation hmergencf Response**

Asia: Chevron Emergency Information Centre +(1) 510-231-0623  
Australia: 1 800 009 010  
China: (+86) 4001-204937  
Europe: Oronite SA - Gonfreville Plant +33 2 35 25 55 00  
North America: CHEMTREC (800) 424-9300 or (703) 527-3887  
South America: Chevron Oronite Brasil Ltda (24 hours) 55 11 4478-1200

**Healty hmergencf**

USA: International collect calls accepted. (800) 231-0623 or (510) 231-0623

**Product Information**

SDS Requests: (+1) 877-512-7200  
Technical Information: (+1) 877-512-7200

Oronite D-Tect®, OLOA®, OGA®, OFA®, ODA®, PARATONE®, and TFA® are registered trademarks of the Chevron Oronite Company LLC.

## 3hECLN2 HAZARD3 DhNCFEACL N

### EUA33 FEACL N:

- Acute aquatic toxicant: Category 3.
- Chronic aquatic toxicant: Category 3.

**hvironmental Hazards:**

- Harmful to aquatic life with long lasting effects.

**ORhEAPCL NARY 3 CACHMhNC3:**

**Prevention:**

- Avoid release to the environment.

**Disposal:**

- Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**HAZARD3 NL CL CHhRWTh EUA33 FThD:** Heating may release highly toxic and flammable hydrogen sulfide (H<sub>2</sub>S). Do not attempt rescue without supplied-air respiratory protection.

## 3hECLN0 ELMOL 3TCLN/ NFLRMAACL N LN NGRhDhNC3



EL MOL N hNC3	EA3 NPM4 hR	AML PNC
Highly refined mineral oil (C15 - C50)	Mixture	40 - 45 %weight
Zinc alkyl dithiophosphate	68649-42-3	5 - 10 %weight
Arenesulfonic acid, alkyl derivatives, metal salts	Trade secret	1 - 5 %weight
Branched alkylphenol and Calcium branched alkylphenol	74499-35-7 & 132752-19-3	< 0.3 %weight

Note that the chemical identity of some or all of the above components is considered confidential business information and is being withheld as permitted by 29 CFR 1910.1200 and various State Right-To-Know Laws.

**3hECL N k FR3CAD MhA3PRh3**

**Description oSrst aid measures**

**hfe:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

**3, in:** Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, apply a waterless hand cleaner, mineral oil, or petroleum jelly. Then wash with soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

**ngestion:** No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

**nyalation:** No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs. If exposure to hydrogen sulfide (H2S) gas is possible during an emergency, wear an approved, positive pressure air-supplying respirator. Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Most important sf mptoms and eSects5body acute and delaf ed**

**MMhDTACH HhAUCH hFFhEC3**

**hfe:** Not expected to cause prolonged or significant eye irritation.

**3, in:** Repeated contact with the skin may cause irritation. Symptoms may include pain, itching, discoloration, swelling, and blistering. Contact with the skin is not expected to cause an allergic skin response.

**ngestion:** Not expected to be harmful if swallowed.

**nyalation:** Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing. Hydrogen sulfide has a strong rotten-egg odor. However, with continued exposure and at high levels, H2S may deaden a person's sense of smell. If the rotten egg odor is no longer noticeable, it may not necessarily mean that exposure has stopped. At low levels, hydrogen sulfide causes irritation of the eyes, nose, and throat. Moderate levels can cause headache, dizziness, nausea, and vomiting, as well as coughing and difficulty breathing. Higher levels can cause shock, convulsions, coma, and death. After a serious exposure, symptoms usually begin immediately.

The U.S. National Institute for Occupational Safety and Health (NIOSH) considers air concentrations of hydrogen sulfide gas greater than 100 ppm to be Immediately Dangerous to Life and Health (IDLH).

**DhUAYhd L R L CHhR HhAUCH hFFhEC3:** Not classified

**ndication oSanf immediate medical attention and special treatment needed**

**Note to Oyf sicians:** Administration of 100% oxygen and supportive care is the preferred treatment for poisoning by hydrogen sulfide gas. For additional information on H2S, see Chevron SDS No. 301.

### 3hECLN B FRh FGHCNG MhA3PRh3

**hXCNGPBHNG MhDTA:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

#### **ORL ChECLN LF FRh FGHCNR3:**

**Fire Fighting Instructions:** This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

**Combustion Products:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Nitrogen, Sulfur, Phosphorus, Zinc, Molybdenum, Calcium, Magnesium, Boron.

### 3hECLN 1 AEEThNCAURhUhA3h MhA3PRh3

**Protective Measures:** Eliminate all sources of ignition in vicinity of spilled material.

**Spill Management:** Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

**Reporting:** Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

### 3hECLN 6 HANDLING AND STORAGE

**General Handling Information:** The maximum handling temperature is 85°C. The recommended reheating medium is hot water or regulated low pressure steam. Care must be taken not to exceed the temperatures stated above when reheating this material in order to avoid decomposition that releases hazardous fumes. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

**Precautionary Measures:** If adequate engineering controls are used, short term activities such as loading, unloading and in-line blending may occur at temperatures ranging from 80-85°C (176-185°F). During shipment by railcar or tank truck, loading temperatures as high as 80-85°C (176-185°F) may be used and are expected to drop to 66°C (150°F) or lower within 7 days. Storage temperatures for up to 2 weeks should not exceed 66°C (150°F). The recommended long-term (2 weeks or more) storage temperature is ambient to 45°C (113°F) maximum. Do not get in eyes, on skin, or on clothing. Do not breathe gas. Wash thoroughly after handling.

**Unusual Handling Hazards:** Toxic quantities of hydrogen sulfide (H<sub>2</sub>S) may be present in storage tanks and bulk transport vessels which contain or have contained this material. Persons opening or entering these compartments should first determine if H<sub>2</sub>S is present. See Exposure Controls/Personal Protection -Section 8. Do not attempt rescue of a person over exposed to H<sub>2</sub>S without wearing approved supplied-air or self-contained breathing equipment. If there is a potential for exceeding one-half the occupational exposure standard, monitoring of hydrogen sulfide levels is required. Since the sense of smell cannot be relied upon to detect the presence of H<sub>2</sub>S, the concentration should be measured by the use of fixed or portable devices.

**Static Hazard:** Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations)

and use appropriate mitigating procedures.

**Container Warnings:** Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

**General Storage Information:** The maximum short-term (<2 week(s)) storage temperature is 66°C. The maximum long-term (>2 week(s)) storage temperature is 45°C.

**Section 7: Hazardous Information**

**Section 3: Health Hazards**

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment (PPE). If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, refer to PPE information below.

Factors that affect PPE include, but are not limited to: properties of the chemical, other chemicals which may contact the same PPE, physical requirements (fit & sizing, cut/puncture protection, dexterity, thermal protection, etc.), and potential allergic reactions to the PPE material. It is the responsibility of the user to read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances. Refer to appropriate CEN standards.

**Section 2: Physical and Chemical Hazards**

Use in a well-ventilated area.

**Section 8: Exposure Controls/Personal Protection**

**Eye/Face Protection:** Wear protective equipment to prevent eye contact. Selection of protective equipment may include safety glasses, chemical goggles, face shields, or a combination depending on the work operations conducted.

**Skin Protection:** Wear chemical personal protective equipment (PPE) to prevent skin contact. Selection of chemical protective clothing should be performed by an Occupational Hygienist or Safety Professional and be based upon applicable standards (ASTM F739 or EN 374). Using chemical PPE depends upon operations conducted and may include chemical gloves, boots, chemical apron, chemical suit, and complete facial protection. Refer to PPE manufacturers to obtain breakthrough time information to determine how long PPE can be used before it needs to be replaced. Unless specific glove manufacturer data indicates otherwise, the below table is based upon available industry data to assist in the glove selection process and is intended to be used as reference only.

Eye/Face Glove Material	Cyclic Stress (MPa)	Typical Breakthrough Time (minutes)
Butyl	0.7	120
Neoprene	0.61	60
Nitrile	0.8	30
Nitrile	0.23	7
Polyvinyl Chloride (PVC)	1.1	15
Viton Butyl	0.3	120

**Respirator Protection:** No respiratory protection is normally required.

If material is heated and emits hydrogen sulfide, determine if airborne concentrations are below the occupational exposure limit for hydrogen sulfide. If not, wear an approved positive pressure air-supplying respirator. For more information on hydrogen sulfide, see Chevron SDS No. 301. If user

operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

**Occupational Exposure Limits:**

Component	Agency	Form	CWA	3ChU	ceiling	Notation
Highly refined mineral oil (C15 - C50)	ACGIH	--	5 mg/m3	10 mg/m3	--	--
Highly refined mineral oil (C15 - C50)	OSHA Z-1	--	5 mg/m3	--	--	--

Consult local authorities for appropriate values.

**Section 3: Hazard Identification**

**Attention:** The data below are typical values and do not constitute a specification.

**Color:** Brown  
**Physical State:** Viscous liquid  
**Odor:** Petroleum odor  
**Odor Threshold:** No data available  
**pH:** Not Applicable  
**Vapor Pressure:** No data available  
**Vapor Density (Air) 1x:** No data available  
**Initial Boiling Point:** No data available  
**Solubility:** Insoluble in water.  
**Freezing Point:** No data available  
**Melting Point:** No data available  
**Density:** 0.9715 kg/l @ 15°C (59°F)  
**Viscosity:** 1765 cSt @ 40°C (104°F)  
**Expansion Coefficient / °F:** 0.000360  
**Evaporation Rate:** No data available  
**Decomposition temperature:** No data available  
**Water Partition Coefficient:** No data available

**Flammability (Solid/Gas):** Not Applicable

**Flashpoint:** (Pensky-Martens Closed Cup) 140 °C (284 °F) (Minimum)  
**Autoignition:** No data available  
**Flammability Limits (Volume in air):** Lower: No data available Upper: No data available

**Section 9: Physical and Chemical Properties**

**Reactivity:** May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.  
**Chemical Stability:** This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.  
**Conditions to Avoid:** Do not exceed handling and storage temperatures listed in SDS Section 7 (Handling and Storage).  
**Incompatible Materials:** Not applicable  
**Hazardous Decomposition Products:** Hydrogen Sulfide (See Section 7), Alkyl Mercaptans (See Section 7)

**Hazardous Polymerization:** Hazardous polymerization will not occur.

### 3hECLNII CLXELULGEAUNFLRMACTLN

#### **Information on toxicological effects**

**Serious Eye Damage/Irritation:** The eye irritation hazard is based on an evaluation of the data for similar products. These data show that a specific component present in this product antagonizes (or decreases the severity of) the eye irritation of the ZnDTP.

**3, in Corrosion/Irritation:** The material is not considered a skin irritant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**3, in Sensitization:** The material is not considered a skin sensitizer. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Acute Dermal Toxicity:** The material is not considered a dermal toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Acute Oral Toxicity:** The material is not considered an oral toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Acute Inhalation Toxicity:** The material is not considered an inhalation toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Acute Toxicity Estimate:** Not Determined

**Germ Cell Mutagenicity:** The material is not considered a mutagen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Carcinogenicity:** The material is not considered a carcinogen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Reproductive Toxicity:** The material is not considered a reproductive toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Specific Target Organ Toxicity - Single Exposure:** The material is not considered a target organ toxicant (single exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Specific Target Organ Toxicity - Repeated Exposure:** The material is not considered a target organ toxicant (repeated exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Aspiration Hazard:** The material is not considered an aspiration hazard.

#### **Additional Information:**

This product contains Arenesulfonic acid, alkyl derivatives, metal salts. This substance may cause skin sensitization, eye irritation, lung effects, skin corrosion. When using this substance, avoid skin contact, avoid ingestion, use skin protection. This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as: carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).



Tetrapropenyl phenol (TPP), also known as dodecyl phenol, was tested in a rat oral gavage one-generation reproductive toxicity study (doses of 0, 5, 25, or 125 mg/kg/day) and a rat dietary two-generation reproductive toxicity study (doses of 0, 1.5, 15, or 75 mg/kg/day). Results from the one-generation study demonstrated reduced ovary weights and changes in male reproductive accessory organs (decreased organ weights, decreased secretions, and decreased epididymal sperm concentrations) at 25 mg/kg/day; 5 mg/kg/day was identified as the No Observed Adverse Effect Level (NOAEL). Results from the two-generation study demonstrated prolonged estrous cyclicity, reduced ovary weights, accelerated sexual maturation, decreased mean live litter size, decreased fertility rates, hypospermia, and reduced weights in male reproductive accessory organs at 75 mg/kg/day; 15 mg/kg/day was identified as the NOAEL.

Evaluation of these two primary studies of TPP (one- & two-generation reproductive toxicity studies), as well as supporting data from additional in-vivo & in-vitro studies of both TPP and substances containing TPP & TPP/calcium salts as an impurity resulted in a classification of TPP as a Category 1B under the criteria of the Globally Harmonized System and Regulation (EC) No 1907/2006 (presumed reproductive hazard to humans).

The studies were also evaluated to identify a valid & reliable specific concentration limit (SCL) for reproductive effects, below which reproductive toxicity would not be expected to occur. An SCL of 1.5 wt% TPP & TPP/calcium salts was derived based on the identified NOAEL from the rat dietary two-generation reproductive toxicity study, and confirmed by supporting studies of substances containing TPP as an impurity.

### **3hECLN12 hELULGEAUNFLRMACLN**

#### **hELCLXETCY**

This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

The product has not been tested. The statement has been derived from the properties of the individual components.

This material contains one or more components that have a branched alkylphenol impurity that is highly toxic to aquatic organisms (disclosed in Section 3). The components containing the impurity have been tested and are not toxic to aquatic organisms. Therefore the data in Section 3 for the alkylphenol impurity should not be used to classify the product for aquatic toxicity.

#### **ML4TJCY**

No data available.

#### **OhR3BChNEh AND DhGRADA4TJCY**

This material is not expected to be readily biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

#### **OLChNCTAUCL4LAEEMPPUACH**

Bioconcentration Factor: No data available.

Octanol/Water Partition Coefficient: No data available

### **3hECLN10 DBOL3AU ELN3DhRACLN3**

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by international, country, or local laws and regulations.

### **3hECLN1k CRAN3OLRCNFLRMACLN**

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

**DL C 3yipping Description:** NOT REGULATED AS HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

**ML/MDG 3yipping Description:** NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

**EAL/ACA 3yipping Description:** NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

**Cransport in bul, according to AnnewTtoSMAROL U 60/67 and tye T E code:**  
Not applicable

**3hECLN I B RhGPUACLRY NFLRMACTN**

**hOERA 0I I /0I 2 E AChGL R Th3:** Not applicable

**RhGPUACLRY UB C3 3hAREHhD:**

- |                      |                 |
|----------------------|-----------------|
| 01-1=IARC Group 1    | 05=MA RTK       |
| 01-2A=IARC Group 2A  | 06=NJ RTK       |
| 01-2B=IARC Group 2B  | 07=PA RTK       |
| 02=NTP Carcinogen    | 08-1=TSCA 5(e)  |
| 03=EPCRA 313         | 08-2=TSCA 12(b) |
| 04=CA Proposition 65 |                 |

The following components of this material are found on the regulatory lists indicated.

- |  |            |
|--|------------|
| Zinc alkyl dithiophosphate                         | 03, 06, 07 |
| Arenesulfonic acid, alkyl derivatives, metal salts | 08-2       |

U.S. Toxic Substances Control Act (TSCA): The product contains a chemical substance subject to a Consent Order or Significant New Use Rule (SNUR) per 40 CFR 721.11180.

**EHhM EAU T8hNCL R Th3:**

All components comply with the following chemical inventory requirements: AIIIC (Australia), DSL (Canada), ENCS (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States).

One or more components has been notified but may not be listed in the following chemical inventories: IECSC (China). Separate notification may be required.

Please contact Oronite at SDS\_REACH@chevron.com for more information concerning EU-REACH.

**3hECLN I 1 L CHhR NFLRMACTN**

**NFOA RACNG3:** Health: 2 Flammability: 1 Reactivity: 0

**HMB RACNG3:** Health: 1 Flammability: 1 Reactivity: 0  
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, \*- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

**Rh8 B L N 3 C A Ch M h NC:** SECTION 08 - Personal Protective Equipment information was modified.

**Revision Date:** September 22, 2022

**A44 Rh8 T A C L N 3 C H A C M A Y H A 8 h 4 h h N P 3 h D T N C H B D L E P M h NC:**

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
GHS - Globally Harmonized System	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Governmental Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	SDS - Safety Data Sheet
HMIS - Hazardous Materials Information System	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration
NCEL - New Chemical Exposure Limit	EPA - Environmental Protection Agency
SCBA - Self-Contained Breathing Apparatus	

Prepared according to the 29 CFR 1910.1200 (2012) by Chevron Technical Center, 6001 Bollinger Canyon Road, San Ramon, CA 94583.

**The information is based on the data sources ( ) are and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and ( ) may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications to the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make its own determination of the suitability of the material for its particular purpose.**



Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018

Page 1 of 13

---

ExxonMobil Chemical Company  
22777 Springwoods Village Parkway  
Spring, TX 77389-1425

Subject: OSHA Hazard Communication 2012 Combustible Dust Labeling

Dear ExxonMobil Customer:

As you may be aware, in March 2012, the U.S. Occupational Safety and Health Administration (OSHA) issued its final Hazard Communication Standard which stated its intent to adopt the United Nations' Globally Harmonized System (GHS) for the classification and labeling of hazardous substances. This updated hazard communication standard requires product labels for hazardous substances and mixtures. In addition to product labels, the standard requires suppliers to provide Safety Data Sheets (SDSs), previously known as Material Safety Data Sheets (MSDSs), for all hazardous products.

The UN GHS does not contain a classification for combustible dust hazards. The combustible dust hazard was an element OSHA desired to include in its standard. As such, OSHA amended the standard definition of 'hazardous chemical' to include 'combustible dust' which has resulted in a hazard classification of certain polymer materials and the need to provide a hazard label. For polymer materials presenting a combustible dust hazard as shipped, a label will be applied to each package. For polymers that do not present a combustible dust hazard in the shipped form, OSHA permits the transmittal of label information with the SDS. Enclosed please find the combustible dust label for the referenced product.

If you have any questions, please direct them to your ExxonMobil Customer Service Representative.



Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018

Page 2 of 13

---

Please find below an OSHA HazCom 2012 label for LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - for combustible dust hazard.

**LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix**

**EXXONMOBIL CHEMICAL COMPANY**

SDS – LOC. 106

22777 Springwoods Village Parkway

Spring, TX 77389-1425 USA

24 Hour Health Emergency

(800) 726-2015

Product Technical Information

(832) 624-8500

Supplier General Contact

(832) 624-8500

Transportation Emergency Phone

(800) 424-9300 or (703) 527-3887 CHEMTREC

**Warning**

**May form combustible dust concentrations in air**

**Dust clouds are explosive  
Product is a static accumulator  
Avoid heat, sparks, open flame  
Earth wherever possible**

**For more information, see Safety Data Sheet**

**For further information on this product,  
See manufacturer's data sheet**



Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix  
Revision Date: 04 Apr 2018  
Page 3 of 13

## SAFETY DATA SHEET

<b>SECTION 1</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
------------------	---

### PRODUCT

**Product Name:** LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix  
**Product Description:** LLDPE with polymer processing aid (PPA), see Section 16 for applicable grades.  
**Intended Use:** Coatings, Extrusion and moulding, Film

### COMPANY IDENTIFICATION

**Supplier:** EXXONMOBIL CHEMICAL COMPANY  
SDS – LOC. 106  
22777 Springwoods Village Parkway  
Spring, TX 77389-1425 USA

24 Hour Health Emergency	(800) 726-2015
Transportation Emergency Phone	(800) 424-9300 or (703) 527-3887 CHEMTREC
Product Technical Information	(832) 624-8500
Supplier General Contact	(832) 624-8500

<b>SECTION 2</b>	<b>HAZARDS IDENTIFICATION</b>
------------------	-------------------------------

This material is hazardous according to regulatory guidelines (see (M)SDS Section 15).

### CLASSIFICATION:

Combustible Dust

### LABEL:

**Pictogram:** No Pictogram

**Signal Word:** Warning

### Hazard Statements:

May form combustible dust concentrations in air.

### Other hazard information:

**HAZARD NOT OTHERWISE CLASSIFIED (HNOC):** None as defined under 29 CFR 1910.1200.

### PHYSICAL / CHEMICAL HAZARDS

**WARNING:** May form combustible dust concentrations in air (during processing/handling). Thermal burn hazard - contact with hot material may cause thermal burns. Material can accumulate static charges which

Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018  
Page 4 of 13

may cause an ignition. Spilled pellets present a slipping hazard on hard surfaces.

#### HEALTH HAZARDS

If dust is generated, it could scratch the eyes and cause minor irritation to the respiratory tract. When heated, the vapors/fumes given off may cause respiratory tract irritation.

#### ENVIRONMENTAL HAZARDS

No significant hazards.

<b>NFPA Hazard ID:</b>	Health: 1	Flammability: 1	Reactivity: 0
<b>HMIS Hazard ID:</b>	Health: 1	Flammability: 1	Reactivity: 0

<b>SECTION 3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
------------------	---

This material is defined as a mixture.

#### Hazardous Substance(s) or Complex Substance(s) required for disclosure

Name	CAS#	Concentration*	GHS Hazard Codes
TRISNONYL PHENYL PHOSPHITE	26523-78-4	< 0.25%	H317, H400(M factor 1), H410(M factor 1)

\* All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

<b>SECTION 4</b>	<b>FIRST AID MEASURES</b>
------------------	---------------------------

#### INHALATION

At ambient/normal handling temperatures, no adverse effects due to inhalation of dust are expected. In case of adverse exposure to vapors and / or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest.

#### SKIN CONTACT

Wash contact areas with soap and water. For hot product: Immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.

#### EYE CONTACT

Flush thoroughly with water for at least 15 minutes. Get medical assistance.

#### INGESTION

First aid is normally not required. Seek medical attention if discomfort occurs.

Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix  
Revision Date: 04 Apr 2018  
Page 5 of 13

---

<b>SECTION 5</b>	<b>FIRE FIGHTING MEASURES</b>
------------------	-------------------------------

#### EXTINGUISHING MEDIA

**Appropriate Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

**Inappropriate Extinguishing Media:** Straight Streams of Water

#### FIRE FIGHTING

**Fire Fighting Instructions:** Assure an extended cooling down period to prevent re-ignition. Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

**Unusual Fire Hazards:** Explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentration and in the presence of an ignition source is a potential dust explosion hazard. Hydrogen fluoride, a corrosive and toxic gas, and other potentially hazardous fluorine-containing compounds may be released upon combustion.

**Hazardous Combustion Products:** Flammable hydrocarbons, Hydrogen fluoride, Incomplete combustion products, Oxides of carbon, Smoke, Fume

#### FLAMMABILITY PROPERTIES

**Flash Point [Method]:** N/A

**Flammable Limits (Approximate volume % in air):** LEL: N/D UEL: N/D

**Autoignition Temperature:** N/A

<b>SECTION 6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
------------------	------------------------------------

#### NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

#### PROTECTIVE MEASURES

Avoid contact with spilled material. Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (for example, clearing dust surfaces with compressed air). Prevent dust exposure to ignition sources. For example, use non-sparking tools and prohibit smoking, flares, sparks or flames in immediate area. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018

Page 6 of 13

## SPILL MANAGEMENT

**Land Spill:** Spilled pellets present a slipping hazard on hard surfaces. Prevent dust cloud. Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

**Water Spill:** Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Skim from surface.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

## ENVIRONMENTAL PRECAUTIONS

Prevent entry into waterways, sewers, basements or confined areas. For Large Spills: Cover spill with plastic sheet or tarpaulin to minimize spreading.

## SECTION 7

## HANDLING AND STORAGE

### HANDLING

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dust from material can accumulate electrostatic charges due to friction from transfer and mixing operations and cause an electrical spark (ignition source). Provide adequate precautions to ignition sources, such as electrical grounding and bonding, inert atmosphere or non-sparking tools. However, bonding and grounds may not eliminate the hazard for static accumulation. Consult local applicable standards for guidance. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids and EN 61241, Electrical Apparatus for Use in the Presence of Combustible Dust for safe handling. Avoid elevated temperatures for prolonged periods of time. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent small spills and leakage to avoid slip hazard. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Care should be taken when storing and handling this product. Apart from the specific nature of the polymer product, conditions such as humidity, sunlight, and temperature have an influence on the way the product behaves during storage and handling. Special attention should be paid to avoid inappropriate stacking of palletized bags or other package units. Indeed, polymer products may be dimensionally unstable under certain conditions. Avoid conditions generating heat during transfer operations.

**Loading/Unloading Temperature:** [Ambient]

**Transport Temperature:** [Ambient]

**Transport Pressure:** [Ambient]

**Static Accumulator:** This material is a static accumulator.

### STORAGE

The type of container used to store the material may affect static accumulation and dissipation. Do not store in open or unlabelled containers.

**Storage Temperature:** [Ambient]

**Storage Pressure:** [Ambient]

Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018

Page 7 of 13

---

**Suitable Containers/Packing:** Bulk Containers; Drums; Bags; Boxes; Hopper Cars; Octatiner; Silos  
**Suitable Materials and Coatings (Chemical Compatibility):** Polyethylene; Aluminum

## SECTION 8

## EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limits/standards for materials that can be formed when handling this product:** For dusty conditions, OSHA recommends for particulates not otherwise regulated an 8-hour TWA of 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction); ACGIH recommends for insoluble and poorly soluble particles not otherwise specified an 8-hour TWA of 10 mg/m<sup>3</sup> (inhalable particles), 3 mg/m<sup>3</sup> (respirable particles).

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

No biological limits allocated.

### ENGINEERING CONTROLS

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider:

Adequate ventilation should be provided so that exposure limits are not exceeded. **SPECIAL PRECAUTIONS:** Should significant vapors/fumes be generated during thermal processing of this product, it is recommended that work stations be monitored for the presence of thermal degradation by-products which may evolve at elevated temperatures (for example, oxygenated components). Processors of this product should assure that adequate ventilation or other controls are used to control exposure. It is recommended that the current ACGIH-TLVs for thermal degradation by-products be observed. Contact your local sales representative for further information. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product are designed and maintained to minimize dust generation and accumulation. Ensure that dust-handling systems (such as exhaust ducts, dusts collectors, vessels, and processing equipment) are designed to minimize the potential for dust ignition and prevent explosion propagation. For example, use explosion relief vents, an explosion suppression system or inert equipment internals. Additional examples of proper equipment include using only appropriately classified electrical equipment and powered industrial trucks.

### PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Respiratory Protection:** If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

Particulate air-purifying respirator approved for dust / oil mist is recommended.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode.



Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018

Page 8 of 13

---

Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

**Hand Protection:** Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:

If product is hot, thermally protective, chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves.

**Eye Protection:** If contact is likely, safety glasses with side shields are recommended.

**Skin and Body Protection:** Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:

If product is hot, thermally protective, chemical resistant apron and long sleeves are recommended.

**Specific Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

## ENVIRONMENTAL CONTROLS

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

**Note:** Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

### GENERAL INFORMATION

**Physical State:** Solid  
**Form:** Powder, Granule, Pellet  
**Color:** Clear to Opaque, White to Off-White  
**Odor:** None to Mild  
**Odor Threshold:** N/A

### IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

**Relative Density (at 15 °C):** 0.9 - 0.95 [In-house method]  
**Bulk Density:** 0.4 g/cc at 20 °C - 1 g/cc at 20 °C [In-house method]  
**Flammability (Solid, Gas):** N/A  
**Flash Point [Method]:** N/A  
**Flammable Limits (Approximate volume % in air):** LEL: N/D UEL: N/D  
**Autoignition Temperature:** N/A  
**Boiling Point / Range:** N/A  
**Decomposition Temperature:** N/D  
**Vapor Density (Air = 1):** N/A  
**Vapor Pressure:** N/A

Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018

Page 9 of 13

Evaporation Rate (n-butyl acetate = 1): N/A  
 pH: N/A  
 Log Pow (n-Octanol/Water Partition Coefficient): N/A  
 Solubility in Water: Negligible  
 Viscosity: N/A  
 Oxidizing Properties: See Hazards Identification Section.

**OTHER INFORMATION**

Freezing Point: N/A  
 Melting Point: 115°C (239°F) - 130°C (266°F) [In-house method]  
 Molecular Weight: > 25000  
 Hygroscopic: No

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
-------------------	---------------------------------

**REACTIVITY:** See sub-sections below.

**STABILITY:** Material is stable under normal conditions.

**CONDITIONS TO AVOID:** Avoid elevated temperatures for prolonged periods of time.

**MATERIALS TO AVOID:** Strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Material does not decompose at ambient temperatures.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization will not occur.

<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
-------------------	----------------------------------

**INFORMATION ON TOXICOLOGICAL EFFECTS**

<u>Hazard Class</u>	<u>Conclusion / Remarks</u>
<b>Inhalation</b>	
Acute Toxicity: No end point data for material.	Minimally Toxic. Based on chemical structure (polymers).
Irritation: No end point data for material.	Negligible hazard at ambient/normal handling temperatures.
<b>Ingestion</b>	
Acute Toxicity: No end point data for material.	Minimally Toxic. Based on chemical structure (polymers).
<b>Skin</b>	
Acute Toxicity: No end point data for material.	Minimally Toxic. Based on chemical structure (polymers).
Skin Corrosion/Irritation: No end point data for material.	Negligible irritation to skin at ambient temperatures. Based on chemical structure (polymers).
<b>Eye</b>	
Serious Eye Damage/Irritation: No end point data for material.	May cause mild, short-lasting discomfort to eyes. Based on chemical structure (polymers).
<b>Sensitization</b>	
Respiratory Sensitization: No end point data for material.	Not expected to be a respiratory sensitizer.

Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018

Page 10 of 13

Skin Sensitization: No end point data for material.	Not expected to be a skin sensitizer. Based on chemical structure (polymers).
Aspiration: No end point data for material.	Not expected to be an aspiration hazard. Based on physico-chemical properties of the material.
Germ Cell Mutagenicity: No end point data for material.	Not expected to be a germ cell mutagen. Based on chemical structure (polymers).
Carcinogenicity: No end point data for material.	Not expected to cause cancer. Based on chemical structure (polymers).
Reproductive Toxicity: No end point data for material.	Not expected to be a reproductive toxicant. Based on chemical structure (polymers).
Lactation: No end point data for material.	Not expected to cause harm to breast-fed children.
<b>Specific Target Organ Toxicity (STOT)</b>	
Single Exposure: No end point data for material.	Not expected to cause organ damage from a single exposure.
Repeated Exposure: No end point data for material.	Not expected to cause organ damage from prolonged or repeated exposure. Based on chemical structure (polymers).

## OTHER INFORMATION

### For the product itself:

Dust may be irritating to the eyes and respiratory tract.

Elevated temperatures or mechanical action may form vapors, mists or fumes which may be irritating to the eyes and respiratory tract.

Component concentrations in this formulation would not be expected to cause skin sensitization, based on tests of the components, this formulation, or similar formulations.

### Contains:

Additives that are encapsulated in the polymer. Under the normal conditions for processing and use of this polymer the encapsulated additives are not expected to pose any health hazard. However, grinding of the polymer is not recommended without the use of appropriate measures to control exposure (see Section 8 - Engineering Controls).

The following ingredients are cited on the lists below: None.

### --REGULATORY LISTS SEARCHED--

1 = NTP CARC

3 = IARC 1

5 = IARC 2B

2 = NTP SUS

4 = IARC 2A

6 = OSHA CARC

## SECTION 12

## ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

### ECOTOXICITY

Material -- Not expected to be harmful to aquatic organisms.

Material -- Not expected to be harmful to terrestrial organisms.

### MOBILITY

Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018

Page 11 of 13

---

Material -- Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

#### **PERSISTENCE AND DEGRADABILITY**

##### **Biodegradation:**

Material -- Expected to be persistent.

##### **Hydrolysis:**

Material -- Transformation due to hydrolysis not expected to be significant.

##### **Photolysis:**

Material -- Transformation due to photolysis not expected to be significant.

##### **Atmospheric Oxidation:**

Material -- Transformation due to atmospheric oxidation not expected to be significant.

#### **BIOACCUMULATION POTENTIAL**

Material -- Potential to bioaccumulate is low.

<b>SECTION 13</b>
-------------------

<b>DISPOSAL CONSIDERATIONS</b>
--------------------------------

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

#### **DISPOSAL RECOMMENDATIONS**

Suitable routes of disposal are supervised incineration, preferentially with energy recovery, or appropriate recycling methods in accordance with applicable regulations and material characteristics at the time of disposal. Incinerator must be equipped to neutralize or trap hazardous combustion products.

#### **REGULATORY DISPOSAL INFORMATION**

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

<b>SECTION 14</b>
-------------------

<b>TRANSPORT INFORMATION</b>
------------------------------

**LAND (DOT):** Not Regulated for Land Transport

**LAND (TDG):** Not Regulated for Land Transport

**SEA (IMDG):** Not Regulated for Sea Transport according to IMDG-Code

Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018  
Page 12 of 13

**Marine Pollutant:** No

**AIR (IATA):** Not Regulated for Air Transport

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
-------------------	-------------------------------

**OSHA HAZARD COMMUNICATION STANDARD:** This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

**Listed or exempt from listing/notification on the following chemical inventories:** Please contact Customer Service (see Section 1 for supplier contact information).

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**CWA / OPA:** Plastic pellets are defined by the US EPA under the Clean Water Act (40CFR122.26) as a "significant material" which requires any industrial plant that may expose pellets to storm water to secure a storm water permit. Violations of the rule carry the same penalties as other Clean Water Act violations. Pellets found in storm water runoff are subject to EPA regulations with the potential for substantial fines and penalties.

**SARA (311/312) REPORTABLE GHS HAZARD CLASSES:** Combustible Dust

**SARA (313) TOXIC RELEASE INVENTORY:** This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

The following ingredients are cited on the lists below:

Chemical Name	CAS Number	List Citations
1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO POLYMER WITH 1,1-DIFLUOROETHENE	9011-17-0	5

--REGULATORY LISTS SEARCHED--

- |               |                  |                   |             |
|---------------|------------------|-------------------|-------------|
| 1 = ACGIH ALL | 6 = TSCA 5a2     | 11 = CA P65 REPRO | 16 = MN RTK |
| 2 = ACGIH A1  | 7 = TSCA 5e      | 12 = CA RTK       | 17 = NJ RTK |
| 3 = ACGIH A2  | 8 = TSCA 6       | 13 = IL RTK       | 18 = PA RTK |
| 4 = OSHA Z    | 9 = TSCA 12b     | 14 = LA RTK       | 19 = RI RTK |
| 5 = TSCA 4    | 10 = CA P65 CARC | 15 = MI 293       |             |

Code key: CARC=Carcinogen; REPRO=Reproductive

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
-------------------	--------------------------



Product Name: LINEAR LOW DENSITY POLYETHYLENE (PPA, TNPP) - Grades designated by LL prefix

Revision Date: 04 Apr 2018

Page 13 of 13

---

N/D = Not determined, N/A = Not applicable

**KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT (for information only):**

H317: May cause allergic skin reaction; Skin Sensitization, Cat 1

H400: Very toxic to aquatic life; Acute Env Tox, Cat 1

H410: Very toxic to aquatic life with long lasting effects; Chronic Env Tox, Cat 1

**THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:**

Chemical cover letter information was modified.

Company Mailing Address information was deleted.

Company Mailing Address information was modified.

Section 01: Company Mailing Address information was deleted.

Section 01: Company Mailing Address information was modified.

Section 07: Suitable Containers information was modified.

**THIS MSDS COVERS THE FOLLOWING MATERIALS:** ExxonMobil™ LLDPE resins: | LL 3001.63

-----

The information and recommendations contained herein are, to the best of ExxonMobil's knowledge and belief, accurate and reliable as of the date issued. You can contact ExxonMobil to insure that this document is the most current available from ExxonMobil. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. The term, "ExxonMobil" is used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliates in which they directly or indirectly hold any interest.

-----

Internal Use Only

MHC: 0, 0, 0, 0, 0, 0

DGN: 4409211KUS (1025293)

-----

Copyright 2002 Exxon Mobil Corporation, All rights reserved



## SHINTECH INC.

### SAFETY DATA SHEET POLYVINYL CHLORIDE RESIN

FILE NUMBER: SHINTECH 04  
REVISION DATE: 08/30/18  
SUPERCEDES DATE: 04/03/17

---

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

---

**PRODUCT NAME:** Shintech PVC, All Grades  
**SYNONYMS:** PVC, Vinyl Resin, polyvinyl chloride

**MANUFACTURER:** Shintech, Inc.  
**ADDRESS:** 5618 East Highway 332  
Freeport, Texas 77541

**EMERGENCY PHONE:** (979) 233-7861 (Ext. 300)

**CHEMICAL NAME:** Polyvinyl Chloride  
**CHEMICAL FAMILY:** Organic Polymer  
**CHEMICAL FORMULA:**  $(CH_2-CHCl)_n$   
**CAS No.:** 9002-86-2

**PRODUCT USE:** Polyvinyl Chloride (PVC) Fabrication  
**PREPARED BY:** Shintech Safety Department

---

### SECTION 2: HAZARDS IDENTIFICATION

---

**GHS Classification:** Not Classified  
**EU/ECC:** Not Classified - EU directive 67/548/EEC or 1999/45/EC and the CLP EU Regulation 1272/2008/EC  
**OSHA 1910.1200:** Not Classified  
**Label Elements:** Not Required

---

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

---

Component	CAS#	EINECS#	GHS Hazard Statement Codes	%
Polyvinyl Chloride Resin	9002-86-2	N/A	N/A	> 99.8

---

## SECTION 4: FIRST AID MEASURES

---

- EYES:** Immediately flush the eyes with large amounts of room temperature water for a minimum of 15 minutes. Hold the eyelids apart during the flushing operation. Get immediate medical attention if irritation persists.
- SKIN:** Wash affected area with soap and water. Get immediate medical attention if irritation persists.
- INGESTION:** Ingestion of this product under normal conditions does not contribute to any known adverse health effects. If large amounts are ingested get medical attention.
- INHALATION:** Remove the person from the exposure and move to fresh air. Get immediate medical attention if severe coughing or breathing difficulty occurs.

**Most Important Symptoms or Effects (acute and delayed):** This product does not present health hazards under normal conditions of use. However, mechanical operations associated with the use of PVC material can produce elevated concentrations of airborne PVC particulates. Contact with PVC particulates can be irritating to the eyes and respiratory tract. Avoid contact with the eyes and wear appropriate eye protection when necessary. Operations that produce airborne dusts should be conducted in well ventilated areas. When exposures to airborne PVC particulates exceed the applicable exposure limits, appropriate respiratory protection must be worn. PVC particulates may aggravate any pre-existing respiratory conditions or allergies.

---

## SECTION 5: FIRE-FIGHTING MEASURES

---

**FLASHPOINT:** Not Applicable

**FLAMMABLE LIMITS (% VOLUME IN AIR)**

Lower Explosive Limit (LEL):	Not Applicable
Upper Explosive Limit (UEL):	Not Applicable

**AUTOIGNITION TEMPERATURE:** 945°F

**EXTINGUISHING MEDIA:** Water, dry powder, foam, carbon dioxide, or sand is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide inside confined spaces. Collect contaminated fire-fighting water separately.

**FIRE FIGHTING PROCEDURES:** Avoid inhalation of material or combustion by-products. Wear fire fighter's protective clothing and a NIOSH-approved self-contained breathing apparatus (SCBA).

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** Exposure to fire or explosions can produce hydrogen chloride.

<b>NFPA:</b> Health	0 (Normal)	<b>HMIS:</b> Health	0 (none)
Fire	1 (Above 200°F)	Flammability	1 (Slight)
Reactivity	0 (Stable)	Reactivity	0 (none)
Special	None	PPE	A (safety glasses)

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

**PERSONAL PROTECTIVE EQUIPMENT:** Use the personal protective equipment recommended in Section 8.

**SPILL PROCEDURES:** Contain spill immediately. Restrict access. PVC is a slipping hazard if spilled. Non-recoverable product, contaminated soil, debris and other materials should be placed in proper containers for reclamation or disposal. Avoid generating dust during containment, clean up, and disposal.

**DISPOSAL:** Follow the procedures recommended in Section 13.

---

## SECTION 7: HANDLING AND STORAGE

---

**HANDLING:** Wear personal protective equipment and follow the exposure control measures recommended in Section 8. Avoid contact with eyes and prolonged breathing of airborne PVC. PVC can acquire a substantial static electrical charge, which may cause a spark. Handling and processing equipment should have electrical grounding. Use good housekeeping practices to minimize PVC particulates, especially dust, from accumulating and minimize dust from becoming airborne. Wash thoroughly after handling.

**STORAGE:** Store in a cool, dry, properly ventilated place and keep isolated from open flames and other sources of ignition.

---

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**ENGINEERING CONTROLS:** Provide general and/or local exhaust ventilation to control airborne levels of PVC dust below the exposure standards and guidelines. Local exhaust ventilation is preferred because it is capable of controlling contaminant emissions at the source and preventing dispersion into the general work area. For additional information on ventilation, refer to the ACGIH text, *Industrial Ventilation, a Manual of Recommended Practices*.

**EYE PROTECTION:** Wear ANSI approved safety glasses with side shields and/or an appropriate full-face shield. All eye protection should be selected and worn in accordance with the general OSHA PPE standard (29 CFR 1910.132) and the OSHA eye and face protection standard (29 CFR 1910.133).

**SKIN PROTECTION:** Under normal conditions, the use of additional PPE is not necessary to protect the skin. However, protective clothing, including gloves, aprons, and other outer garments may be desirable in extremely dusty areas. All PPE for skin protection should be selected and worn in accordance with the general OSHA PPE standard (29 CFR 1910.132), the

OSHA eye and face protection standard (29 CFR 1910.133), and the OSHA hand protection standard (29 CFR 1910.138).

**RESPIRATORY PROTECTION:** Use a NIOSH-approved air purifying respirator with an N95 cartridge where airborne concentrations are expected to exceed exposure limits. All respirators should be selected and worn in accordance with the general OSHA PPE standard (29 CFR 1910.132) and the OSHA respiratory protection standard (29 CFR 1910.134).

**EXPOSURE GUIDELINES:**

<u>COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>NIOSH IDLH</u>
Dust (total)	15 mg/m <sup>3</sup> (TWA)	Not Established	Not Established
Dust (respirable)	5 mg/m <sup>3</sup> (TWA)	1 mg/m <sup>3</sup> (TWA)	Not Established

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

---

PHYSICAL STATE:	Granulate Solid (free flowing)
COLOR:	White
ODOR:	Odorless
ODOR THRESHOLD:	Not Applicable
PH:	Not Applicable
BOILING POINT/BOILING RANGE	Not Applicable
MELTING/FREEZING POINT:	Not Applicable
FLASH POINT:	Not Applicable
EVAPORATION RATE:	Not Applicable
FLAMMABILITY SOLID:	Not Applicable
UPPER/LOWER EXPLOSIVE LIMITS:	Not Applicable
VAPOR PRESSURE:	Not Applicable
VAPOR DENSITY (AIR):	Not Applicable
WATER SOLUBILITY:	Not Soluble
RELATIVE DENSITY (SPECIFIC GRAVITY):	1.4
WATER SOLUBILITY:	Not Soluble
PARTITION COEFFICIENT: n-octanol/water:	No Data Available
AUTO IGNITION TEMPERATURE:	945°F
DECOMPOSITION TEMPERATURE :	No Data Available
VISCOSITY:	Not Applicable To Solids
MOLECULAR FORMULA:	(CH <sub>2</sub> -CHCl) <sub>n</sub>
MOLECULAR WEIGHT:	20,000 – 150,000 g/mole
VINYL CHLORIDE:	This Polyvinyl Chloride product contains Vinyl Chloride Monomer on the order of 0.1 to 5 ppm by weight.

---

**SECTION 10: STABILITY AND REACTIVITY**

---

STABILITY:	Stable at normal temperatures and pressures
CONDITIONS TO AVOID:	Avoid all possible sources of ignition, heat and flames.



INCOMPATIBLE MATERIALS: Avoid contact with acetal or acetal copolymers and amines (derivatives of ammonia).  
HAZARDOUS DECOMPOSITION PRODUCTS: Mostly Hydrogen Chloride.  
HAZARDOUS POLYMERIZATION: Has not been reported.

---

### SECTION 11: TOXICOLOGICAL INFORMATION

---

TOXICITY DATA: There is limited toxicity information available for this product.  
CARCINOGENICITY: This product is not considered carcinogenic by OSHA, NTP, or IARC.  
REPRODUCTIVE EFFECTS: None reported  
MUTAGENICITY: Has not been reported  
TERATOGENICITY: Has not been reported

---

### SECTION 12: ECOLOGICAL INFORMATION

---

**ECOTOXICITY:** There is limited information available for this product.

**ENVIRONMENTAL FATE:** There is limited information available for this product.

---

### SECTION 13: DISPOSAL CONSIDERATIONS

---

**WASTE DISPOSAL:** Do not dump this product into any sewers, on the ground, or into any body of water. Dispose of in accordance with all applicable federal, state, and local regulations. Waste characterization and compliance with applicable laws are the responsibility of the waste generator.

RCRA P-Series: Not Listed  
RCRA U-Series: Not Listed  
NPRI: Not Listed

---

### SECTION 14: TRANSPORT INFORMATION

---


SHIPPING NAME:	Polyvinyl Chloride	IATA HAZARD CLASS:	Not Regulated
DOT HAZARD CLASS:	Not Regulated	IMGD CLASS:	Not Regulated
DOT SHIPPING ID:	Not Required	RID/ADR CODES:	Not Required
PACKING GROUP:	Not Required	PACKING GROUP:	Not Required
LABEL:	Not Required	HAZARD ID:	Not Required

\* This product is not regulated as a hazardous material by the U.S. Department of Transportation (DOT), IMGD, EU, United Nations, IATA or the Canadian Transportation of Dangerous Goods (TDG) regulations.

---

## SECTION 15: REGULATORY INFORMATION

---

GHS Classification / Hazard Statement Codes:	Not Classified
CERCLA Sections 102a/103 (40 CFR 302.4):	Not Regulated
SARA Title III Section 302 (40 CFR 355.30):	Not Regulated
SARA Title III Section 304 (40 CFR 355.40):	Not Regulated
SARA Title III Section 313 (40 CFR 372.65):	Not Regulated
SARA Title III Section 311/312 Hazardous Categories (40 CFR 370.21):	
Acute:	No
Chronic:	No
Fire:	No
Reactive:	No
Sudden Release:	No
California Proposition 65:	PVC is not listed. It is unlikely that unpolymerized vinyl chloride from this resin will contribute to workplace exposures under normal conditions of use but trace exposure cannot be ruled out. Users must determine if vinyl chloride may be released from the use of this product. If so, the appropriate Prop 65 warning language is as follows:  <b>WARNING:</b> This product can expose you to chemicals including vinyl chloride, which are known to the State of California to cause cancer. For more information go to: <a href="http://www.P65Warning.ca.gov">www.P65Warning.ca.gov</a>
TSCA:	Listed on the Inventory
WHMIS (Canada):	Not Classified
CPR (Canada):	Not Regulated
IDL (Canada):	Not Regulated
DSL (Canada):	Listed on the Inventory
ESIS (Europe):	Not Regulated

### OSHA 29 CFR 1910.1017 Vinyl Chloride Standard

Vinyl Chloride Monomer (VCM) is classified as a carcinogen. The U.S. Occupational Safety and Health Administration specifically regulates manufacturing, handling, and processing of Polyvinyl Chloride to control exposures to VCM. Those regulations are published as 29 CFR 1910.1017. Handlers and processors of Polyvinyl Chloride must be familiar with these regulations. None of the information presented in this safety data sheet should be construed to contradict or supersede these regulations.

---

## SECTION 16: OTHER INFORMATION

---

As the conditions or methods of use of this PVC product are beyond our control, we do not assume any responsibility for and expressly disclaim any liability for any use of this material. Information contained herein is believed to be true and accurate, but all statements or recommendations are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with use of the material or the results to be obtained from the use of the information or material. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user.

ACGIH:	American Conference of Governmental Industrial Hygienists
ANSI	American National Standards Institute
C:	Ceiling Limit
CAS#:	Chemical Abstracts System Number
CERCLA:	Comprehensive Environmental Response, Compensation, & Liability Act
DOT:	Department of Transportation
DSL:	Domestic Substance List
EC <sub>50</sub> :	Effective concentration that inhibits the endpoint to 50% of control population
EINECS:	European List of Notified Chemical Substances
EPA:	U.S. Environmental Protection Agency
ESIS:	European Chemical Substances Information System
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IDLH:	Immediately Dangerous to Life and Health
IATA:	International Air Transport Association
IMDG:	International Maritime Dangerous Goods
LC <sub>50</sub> :	Concentration of air resulting in death to 50% of experimental animals
LD <sub>50</sub> :	Administered dose resulting in death to 50% of experimental animals
LEL:	Lower Explosive Limit
MSHA:	Mine Safety and Health Administration
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
PPE :	Personal Protective Equipment
RCRA:	Resource Conservation and Recovery Act
SARA:	Superfund Amendments and Reauthorization Act
STEL:	Short Term Exposure Limit
STP:	Standard Temperature and Pressure
TLV:	Threshold Limit Value
TSCA:	Toxic Substances Control Act
TWA:	Time Weighted Average
UEL:	Upper Explosive Limit
WHMIS:	Workplace Hazardous Materials Information System

# SAFETY DATA SHEET

## Section 1 – Product and Company Identification

Material Name - Semolina  
 Chemical Category - Food Ingredient

Manufacturer - Ardent Mills, LLC; Ardent Mills, ULC: Molinos de Puerto Rico, LLC  
 1875 Lawrence Street  
 Denver, CO 80202  
[www.ardentmills.com](http://www.ardentmills.com)

Telephone  
 General/Emergency - Call your Ardent Mills' Customer Service Rep

Preparation Date - 10/15/2014  
 Last Revision Date - 09/24/2020

## Section 2 – Hazards Identification

### Emergency Overview

#### **WARNING**

***May form combustible dust concentrations in air (during processing).***

**Prevention** - Avoid generating fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source

**Response** - When responding to explosion or any subsequent fire, DO NOT use high pressure extinguishing agent as this may spread the dust and may create an additional ignitable dust cloud.

**Storage/Disposal** - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Potential Health Effects

**Eyes** – Direct contact with eyes may cause temporary irritation

**Skin** – None known.

**Inhalation** – Dust may irritate the respiratory system.

**Ingestion** – Expected to be a low ingestion hazard.

**Chronic Effects** - May cause allergic reaction in persons sensitive to wheat proteins.

**Environmental Effects** - Not expected to be harmful to aquatic organisms.

#### Physical Descriptions

**Form** – Solid

**Color** – Creamy yellow particles

**Odor** – No data available

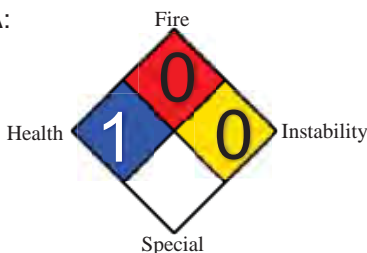
**Flash Point** – Not relevant

**WHMIS** – Other Toxic Effects – D2A

**EU** – Sensitizer – R42

**GHS** - Specific Target Organ Toxicity Single Exposure – Category 3; Respiratory Tract Irritation, Skin Corrosion/Irritation – Category 3; Serious Eye Damage, Eye Irritation – Category 2B; Respiratory Sensitizer – Category 1

#### NFPA:



## Potential Health Effects

### Inhalation

Acute (immediate) – May cause irritation

Chronic (delayed) – According to ACGIH, repeated and prolonged exposure to flour may cause lung effects referred to as “Baker’s Lungs” or allergic sensitization resulting in what is referred to as “Baker’s Asthma”.

### Skin

Acute (immediate) – Under normal conditions of use, no health effects are expected.

Chronic (delayed) – Under normal conditions of use, no health effects are expected.

### Eye

Acute (immediate) – May cause irritation

Chronic (delayed) – Under normal conditions of use, no chronic effects are expected.

### Ingestion

Acute (immediate) – No effects are expected for most people. Listed as food allergen.

Chronic (delayed) – Under normal conditions of use, no chronic effects are expected.

## Section 3 – Composition/Information on Ingredients

### Hazardous Components

Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Semolina	NDA	100%	NDA		

## Section 4 – First Aid Measures

### Inhalation

- Get medical attention if symptoms occur. Remove to fresh air.

### Skin

- No data available.

### Eye

- Get medical attention if symptoms occur. If contact with eyes directly, flush with gently flowing fresh water thoroughly.

### Ingestion

- Get medical attention if symptoms occur.

## Section 5 – Fire Fighting Measures

### Extinguishing Media

- Dry chemical, CO2, foam or water fog.

### Unsuitable Extinguishing Media

- High pressure water spray may cause a combustible dust cloud.

### Firefighting Procedures

- FIRES INVOLVING TANKS OR CAR/TRAILER LOADS: ALWAYS stay away from tanks engulfed in fire. LARGE FIRES: Move containers from fire area if can accomplish without risk.

### Unusual Fire & Explosion Hazards

- Fine dust (typically less than 420 microns) associated with this product may represent a combustible dust hazard. Ignition energy (Kst value) vary with particle size.

### Hazardous Combustion Products

- None known

### Protection of Firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

### Flash Point

- Not relevant.

### Explosion Limits

#### Upper

- Not relevant

#### Lower

- Not relevant

### Auto-ignition Temperature

- 390 to 500° F (199 to 260° C)

## Section 6 – Accidental Release Measures

### Personal Precautions

- No data available.

### Emergency Procedures

- Keep unauthorized personnel away.

### Environmental Precautions

- Avoid run off to waterways and sewers.

### Containment/Clean-up Measures

- Carefully shovel or sweep up spilled material and place in suitable container. Use appropriate Personal Protective Equipment (PPE)

### Prohibited Materials

- No data available.



**Section 7 – Handling and Storage**

- Handling - Follow good manufacturing practices when handling this product. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 61: Standard for the Prevention of Fires and Dust Explosions in the Agricultural and Food Processing Facilities
- Storage - No data available.
- Special Packaging Materials - None required.
- Incompatible Materials or Ignition Sources - None known.

**Section 8 – Exposure Controls/Personal Protection**

- Personal Protective Equipment**
- Respiratory** - Follow the OSHA respirator regulations found in 29 CFR 1910.134 or the European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.
- Eye/Face** - Protective safety glasses recommended.
- Hands** - No data available.
- Skin/Body** - None required for normal handling.
- General Industrial Hygiene Considerations** - Persons who handle grain products must follow good hygienic practices (i.e. wash frequently, and wear clean clothing)
- Engineering Measures/Controls** - Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Exposure Limits/Guidelines			
	Result	ACGIH	United States - California
Dust associated with Semolina	TWAs	0.5 mg/m3 TWA (inhalable fraction) <i>as Flour dust</i>	0.5 mg/m3 PEL <i>as Flour dust</i>

- Exposure Control Notations**  
ACGIH – Milled Wheat Products as Flour dust: Sensitizers
- Exposure Limits Supplemental**  
ACGIH – Milled Wheat Products as Flour dust: TLV Basis – Critical Effects: (asthma, bronchitis, upper respiratory tract irritation)
- Environmental Exposure Controls**  
No data available

## Section 9 – Physical and Chemical Properties

<b>Material Description</b>			
<b>Physical Form</b>	Solid	<b>Appearance/Description</b>	No data available.
<b>Color</b>	Creamy yellow	<b>Odor</b>	No data available.
<b>Taste</b>	No data available.	<b>Particulate Type</b>	Not relevant
<b>Particulate Size</b>	Not relevant	<b>Aerosol Type</b>	Not relevant
<b>Odor Threshold</b>	Not relevant	<b>Physical and Chemical Properties</b>	Not relevant
<b>General Properties</b>			
<b>Boiling Point</b>	Not relevant	<b>Melting Point</b>	Not relevant
<b>Decomposition Temperature</b>	Not relevant	<b>Heat of Decomposition</b>	Not relevant
<b>pH</b>	Not relevant	<b>Specific Gravity/Relative Density</b>	Not relevant
<b>Density</b>	Not relevant	<b>Bulk Density</b>	Not relevant
<b>Water Solubility</b>	Not relevant	<b>Solvent Solubility</b>	Not relevant
<b>Viscosity</b>	Not relevant		
<b>Volatility</b>			
<b>Vapor Pressure</b>	Not relevant	<b>Vapor Density</b>	Not relevant
<b>Evaporation Rate</b>	Not relevant	<b>VOC (Wt.)</b>	Not relevant
<b>VOC (Vol.)</b>	Not relevant	<b>Volatiles (Wt.)</b>	Not relevant
<b>Volatiles (Vol.)</b>	Not relevant		
<b>Flammability</b>			
<b>Flash Point</b>	Not relevant	<b>UEL</b>	Not relevant
<b>LEL</b>	Not relevant	<b>Auto-Ignition</b>	390 to 500 F(199 to 260 C)
<b>Self-Accelerating Decomposition Temperature (SADT)</b>	Not relevant	<b>Heat of Combustion (<math>\Delta H_c</math>)</b>	Not relevant
<b>Burning Time</b>	Not relevant	<b>Flame Duration</b>	Not relevant
<b>Flame Height</b>	Not relevant	<b>Flame Extension</b>	Not relevant
<b>Ignition Distance</b>	Not relevant		
<b>Environmental</b>			
<b>Half-Life</b>	Not relevant	<b>Octanol/Water Partition coefficient</b>	Not relevant
<b>Coefficient of water/oil distribution</b>	Not relevant	<b>Bioaccumulation Factor</b>	Not relevant
<b>Bioconcentration Factor</b>	Not relevant	<b>Biochemical Oxygen Demand BOD/BOD5</b>	Not relevant
<b>Chemical Oxygen Demand</b>	Not relevant	<b>Persistence</b>	Not relevant
<b>Degradation</b>	Not relevant		

## Section 10 – Stability and Reactivity

<b>Stability</b>	- Stable when kept dry under normal temperatures and pressures.
<b>Hazardous Polymerization</b>	- Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	- High humidity and/or wet conditions.
<b>Incompatible Materials</b>	- None known.
<b>Hazardous Decomposition Products</b>	- None known.

## Section 11 – Toxicological Information

<b>Other Information</b>	- This product has not been tested as a separate entity. No specific toxicological data is available for the ingredients.
--------------------------	---

## Section 12 – Ecological Information

<b>Ecological Fate</b>	- No data available
<b>Persistence/Degradability</b>	- No data available
<b>Bioaccumulation Potential</b>	- No data available
<b>Mobility in Soil</b>	- No data available
<b>Other Information</b>	- Product has not been studied as distributed

## Section 13 – Disposal Considerations

<b>Product</b>	- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
----------------	---

## Section 14 – Transportation Information

<b>DOT</b>	- Not regulated as a hazardous material.
<b>IATA</b>	- Not regulated as a dangerous good.

## Section 15 – Regulatory Information

Not any known regulatory list for hazardous materials.

## Section 16 – Other Information

<b>Preparation Date</b>	- 10/01/2014
<b>Last Revision Date</b>	- 09/24/2020
<b>Disclaimer/Statement Of Liability</b>	- This Safety Data Sheet is provided as a courtesy to Ardent Mills' customers. The information provided herein is provided in good faith and is believed accurate and reliable as of the date indicated. However, no representation, warranty, or guarantee of any kind, expressed or implied, is made as to the accuracy, reliability, correctness, or completeness. Neither the above-named supplier nor any of its subsidiaries assumes any responsibility and/or liability for any loss, damage, injury, expense, direct or consequential, arising out of the use of the information contained herein. Final determination of the completeness and suitability of such information, and the suitability and safe conditions for use of any material is the sole responsibility of the user and user assumes all liability for loss, damage, injury, and/or expense arising out of the improper use of this material. No warranty, expressed or implied, regarding the material described herein shall be created by or inferred from any statement or omission in this SDS.



## Safety Data Sheet

This safety data sheet complies with the requirements of: WHIMS 2015

Product name T-Storm F787B 3X6 AR-AFFF Bulk Blend

### 1. Identification of the Substance/Preparation and of the Company/Undertaking

#### Product Identifier

Product name T-Storm F787B 3X6 AR-AFFF Bulk Blend

#### Other means of identification

Product code 711014

Synonyms None

#### Recommended use of the chemical and restrictions on use

Recommended use Fire extinguishing agent

Uses advised against None known

#### Details of the Supplier of the Safety Data Sheet

##### Initial Supplier Identifier

Johnson Controls Inc.  
Canadian Distribution Centre  
20 Delta Park Blvd  
Brampton ON L6T 5E7  
Telephone: 1-888-888-7838

##### Emergency Telephone Number

Emergency telephone CHEMTREC 001-800-424-9300 or 001-703-527-3887

### 2. Hazards Identification

#### Classification

Serious eye damage/eye irritation	Category 1
-----------------------------------	------------

#### Label Elements

**DANGER**

##### **Hazard statements**

Causes serious eye damage



Product code 711014

/ Product name T-Storm F787B /  
3X6 AR-AFFF Bulk Blend

PAGE 2 / 8



#### Precautionary Statements - Prevention

Wear eye/face protection

#### Precautionary Statements - Response

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor

#### OTHER INFORMATION

Causes mild skin irritation

### 3. Composition/information on Ingredients

#### Substance

Not Applicable.

#### Mixture

Chemical name	CAS No.	weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
2-(2-Butoxyethoxy)ethanol	112-34-5	0 - 10%	-	-
Sodium Octyl Sulfate	142-31-4	0 - 10%	-	-

### 4. First aid measures

#### Description of first aid measures

#### General advice

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

#### Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur.





Product code 711014

/ Product name T-Storm F787B /  
3X6 AR-AFFF Bulk Blend

PAGE 3 / 8

<b>Eye contact</b>	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
<b>Self-protection of the first aider</b>	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

**Most Important Symptoms and Effects, Both Acute and Delayed**

**Symptoms** Burning sensation.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures**

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Caution: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	No information available.
<b>Hazardous Combustion Products</b>	Carbon oxides. Fluorinated oxides. Nitrogen oxides (NOx). Oxides of sulfur.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Other Information</b>	Refer to protective measures listed in Sections 7 and 8.

**Environmental Precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**



Product code 711014

/ Product name T-Storm F787B /  
3X6 AR-AFFF Bulk Blend

PAGE 4 / 8

**Methods for containment** Prevent further leakage or spillage if safe to do so.  
**Methods for cleaning up** Pick up and transfer to properly labeled containers.  
**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and Storage

### Precautions for Safe Handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

## 8. Exposure Controls/Personal Protection

### Control Parameters

#### Exposure Limits

Chemical name	Alberta	British Columbia	Ontario TWA	Quebec
2-(2-Butoxyethoxy)ethanol 112-34-5			TWA: 10 ppm	

**OTHER INFORMATION** None known.

### Appropriate Engineering Controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.



Product code 711014

/ Product name T-Storm F787B /  
3X6 AR-AFFF Bulk Blend

PAGE 5 / 8

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Physical State	Liquid
Appearance	No data available
Color	Opaque
Odor	Slight solvent
Odor Threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7.0	
Melting point/freezing point	-1 °C / 30 °F	
Boiling point / boiling range	> 100 °C / 212 °F	
Flash Point	> 100 °C / 212 °F	
Evaporation Rate	No data available	No data available
Flammability (solid, gas)		No data available
Flammability limit in air		No data available
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor Pressure	No data available	No data available
Vapor Density	No data available	No data available
Relative Density	1.00 - 1.25	
Water Solubility	Completely soluble	
Solubility in Other Solvents	No data available	No data available
Partition coefficient	No data available	No data available
Autoignition Temperature	No data available	No data available
Decomposition Temperature	No data available	No data available
Kinematic viscosity	No data available	No data available
Dynamic viscosity	No data available	No data available
Explosive properties	No data available.	
Oxidizing properties	No data available.	

### OTHER INFORMATION

softening point	No data available
Molecular Weight	No data available
VOC content (%)	8.4392
Density	No data available
Bulk Density	No data available

## 10. Stability and Reactivity

Reactivity	No information available.
Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	None known based on information supplied.
Incompatible Materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur. Fluorinated oxides.



Product code 711014

Product name T-Storm F787B /  
3X6 AR-AFFF Bulk Blend

PAGE 6 / 8

## 11. Toxicological Information

### Information on Likely Routes of Exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Severely irritating to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May cause irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Information on Toxicological Effects

**Symptoms** Redness. Burning. May cause blindness.

### Numerical Measures of Toxicity

#### Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	22,473.00 mg/kg
<b>ATEmix (dermal)</b>	33,750.00 mg/kg

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-Butoxyethoxy)ethanol 112-34-5	= 5660 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	-
Sodium Octyl Sulfate 142-31-4	= 3200 mg/kg ( Rat )	-	-

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	May cause skin irritation.
<b>Serious eye damage/eye irritation</b>	Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.



Product code 711014

/ Product name T-Storm F787B /  
3X6 AR-AFFF Bulk Blend

PAGE 7 / 8

STOT - repeated exposure No information available.

Aspiration hazard No information available.

## 12. Ecological Information

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
2-(2-Butoxyethoxy)ethan ol 112-34-5	EC50 (96h) > 100 mg/L Desmodesmus subspicatus	LC50 (96h) static = 1300 mg/L Lepomis macrochirus	-	EC50 (48h) > 100 mg/L Daphnia magna EC50 (24h) = 2850 mg/L Daphnia magna

### Persistence and Degradability

Bioaccumulation No information available.

Other Adverse Effects No information available.

## 13. Disposal Considerations

### Waste Treatment Methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.  
Contaminated packaging Do not reuse empty containers.

## 14. Transport Information

TDG NOT REGULATED

MEX NOT REGULATED

ICAO (air) NOT REGULATED

IATA NOT REGULATED

IMDG NOT REGULATED

RID NOT REGULATED

ADR NOT REGULATED

ADN NOT REGULATED





Product code 711014

Product name T-Storm F787B  
3X6 AR-AFFF Bulk Blend

PAGE 8 / 8

## 15. Regulatory Information

### REGULATORY INFORMATION

#### International regulations

Ozone-depleting substances (ODS) Not Applicable

Persistent Organic Pollutants Not Applicable

Export Notification requirements Not Applicable

#### International Inventories

TSCA	Complies
DSL/NDSL	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

## 16. Other information, including date of preparation of the last revision

<u>NFPA</u>	Health Hazards 2	Flammability 1	Instability 0	Physical and chemical properties -
<u>HMIS</u>	Health Hazards 2	Flammability 1	Physical Hazards 0	Personal Protection X

Revision date 23-May-2018

Revision note No information available.

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

# Attachment 2

## Examples of Completed Labels

## Attachment 2 – WASTE LABELS

Use this Label for containers of Hazardous Waste

**HAZARDOUS WASTE**

FEDERAL LAWS PROHIBIT IMPROPER DISPOSAL.

IF FOUND, CONTACT THE NEAREST POLICE OR PUBLIC SAFETY AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

GENERATOR INFORMATION:

NAME Norfolk Southern Railway Company

ADDRESS RR Tracks adjacent N. Pleasant Dr./Taggart Rd.

CITY East Palestine STATE OH ZIP 44413

EPA ID NO. OHR000221457 EPA WASTE NO. U043

ACCUMULATION START DATE \_\_\_\_\_ MANIFEST TRACKING NO. \_\_\_\_\_

[RQ, UN3082, Waste, Environmentally Hazardous Substance, mixture, NOS (vinyl chloride), 39 PG 111]

D.O.T. PROPER SHIPPING NAME AND UN OR NA NO. WITH PREFIX

**HANDLE WITH CARE!**

**CONTACT THE PROJECT WASTE COORDINATOR OR PROJECT MANAGER FOR QUESTIONS ON COMPLETING WASTE LABELS**

EPA Waste Codes listed on the waste profile for this waste stream (i.e. U043 = vinyl chloride)

The manifest tracking number will be entered on the day of transport. This is the number in the top right corner of the hazardous waste manifest

The DOT proper shipping name will be listed on the waste profile.  
UN3082 = liquid  
UN3077 = solid

Accumulation Start Date is the day the first drop of waste is placed into the container

Use this Label for containers of Non-Hazardous Waste:

**NON-HAZARDOUS WASTE**

GENERATOR INFORMATION (Optional)

SHIPPER Norfolk Southern Railway Company

ADDRESS RR Tracks adjacent N. Pleasant Dr./Taggart Rd.


CITY, STATE, ZIP East Palestine, OH 44413

CONTENTS non-impacted commodities

**NON-HAZARDOUS WASTE**

# Attachment 1 – WASTE LABELS

Use this Label if the Waste has been sampled and the waste determination is unknown, pending receipt of the analytical

<b>THIS CONTAINER ON HOLD PENDING ANALYSIS</b>	
CONTENTS <u>SOIL CUTTINGS and DEBRIS (PPE, GEOPROBLE SLEEVES)</u>	
ORIGIN OF MATERIALS <u>INSTALL of MW-1</u>	
ADDRESS <u>RR Tracks adjacent N. Pleasant Dr./Taggart Rd., East Palestine, OH 44413</u>	
CONTACT <u>Norfolk Southern 404-273-4472</u>	
<b>DO NOT TAMPER WITH CONTAINER! AUTHORIZED PERSONNEL ONLY.</b>	

# Attachment 3

**OEPA Approved Sampling and Analyses Plans**



**Preliminary Soil Sampling Work Plan**  
**Norfolk Southern Train Derailment**  
**East Palestine, Ohio**  
**Date: February 10, 2023**

## **Purpose and Scope**

Norfolk Southern Railway has developed the following plan to summarize the approach for preliminary soil sampling at the derailment site in East Palestine, Ohio (Site) that occurred on February 3, 2023 and resulted in releases of vinyl chloride, butyl acrylate, ethyl hexyl acrylate, 2-butoxyethyl acetate, ethylene glycol monobutyl ether acetate, lube oil, and isobutylene. This work plan is intended to guide preliminary soil sampling activities to evaluate site conditions and inform waste disposal activities. Two areas of the Site will be evaluated during this preliminary evaluation (Figure 1):

1. The area proximal to the five vinyl chloride cars that were on fire (Area 1)
2. The area between the western extent of Area 1 and the North Pleasant Drive crossing (Area 2)

Additionally, standing water and water within a stormwater sewer in the vicinity of Area 1 will be sampled.

### **Area 1**

Three transects will be established with grab samples collected from the 0 to 0.5-foot below ground surface (bgs) interval:

- Transect A – North of the northern track
- Transect B – Between the two tracks
- Transect C – South of the southern tracks

The following protocol will be followed for sample collection and analysis from these three areas:

- A portion of each sample will be placed into new, single-use, sealed, zip-lock bags and held for a minimum of 10 minutes prior to headspace analysis with a photoionization device (PID) with a calibrated 10.6 electronvolt (eV) lamp.
- A portion of each sample will be collected for laboratory analysis of vinyl chloride per USEPA Method 8260.

### **Area 2**

Three transects will be established:

- Transect D – North of the northern track

**DRAFT**  
**Privileged and Confidential**

- Transect E – Between the two tracks
- Transect F – South of the southern tracks

The following protocol will be followed for sample collection and analysis from these three areas:

- A track-mounted GeoProbe® will be utilized to advance soil borings at sample locations spaced approximately 50 feet apart. The soil borings will be advanced to the depth of groundwater.
- Soil will be collected continuously during boring advancement for lithologic descriptions. Upon retrieval of the 4-foot soil core, the soil will be logged in 2-foot intervals and screened with a PID.
- A surface soil sample (0 to 2 feet bgs) taken from hand auger clearing cuttings will be collected for laboratory analysis of the analytical parameters indicated below.
- A subsurface soil sample with the highest PID from the 2 feet bgs to the depth of groundwater will be submitted for analysis. If PID readings are 0.0 throughout the boring, a sample from the 2-foot interval immediately above groundwater will be collected submitted for laboratory analysis.
- The samples will be analyzed for the parameters indicated below:
  - VOCs (USEPA Method 8260)
  - SVOCs (USEPA Method 8270)
  - Butyl acrylate (USEPA Method 8260)
  - Ethyl hexyl acrylate (USEPA Method 8260)
  - Methyl acrylate (USEPA Method 8260)
  - 2-butoxyethyl acetate (ethylene glycol mono butyl ether acetate) (USEPA Method 8270)

## **Standing Water and Stormwater**

There are two pools of standing water to the south of Area 1. Two samples will be collected from the larger of the two pools, and one sample will be collected from the second, smaller pool. Additionally, one liquid sample will be collected from a stormwater sewer located near the northeast corner of the Ceram Fab building. The four liquid samples will be submitted to the laboratory for analysis of vinyl chloride per USEPA Method 8260. Additional sample volume from these locations will be collected for potential total VOC (USEPA Method 8260) and SVOC (USEPA Method 8270) analysis.

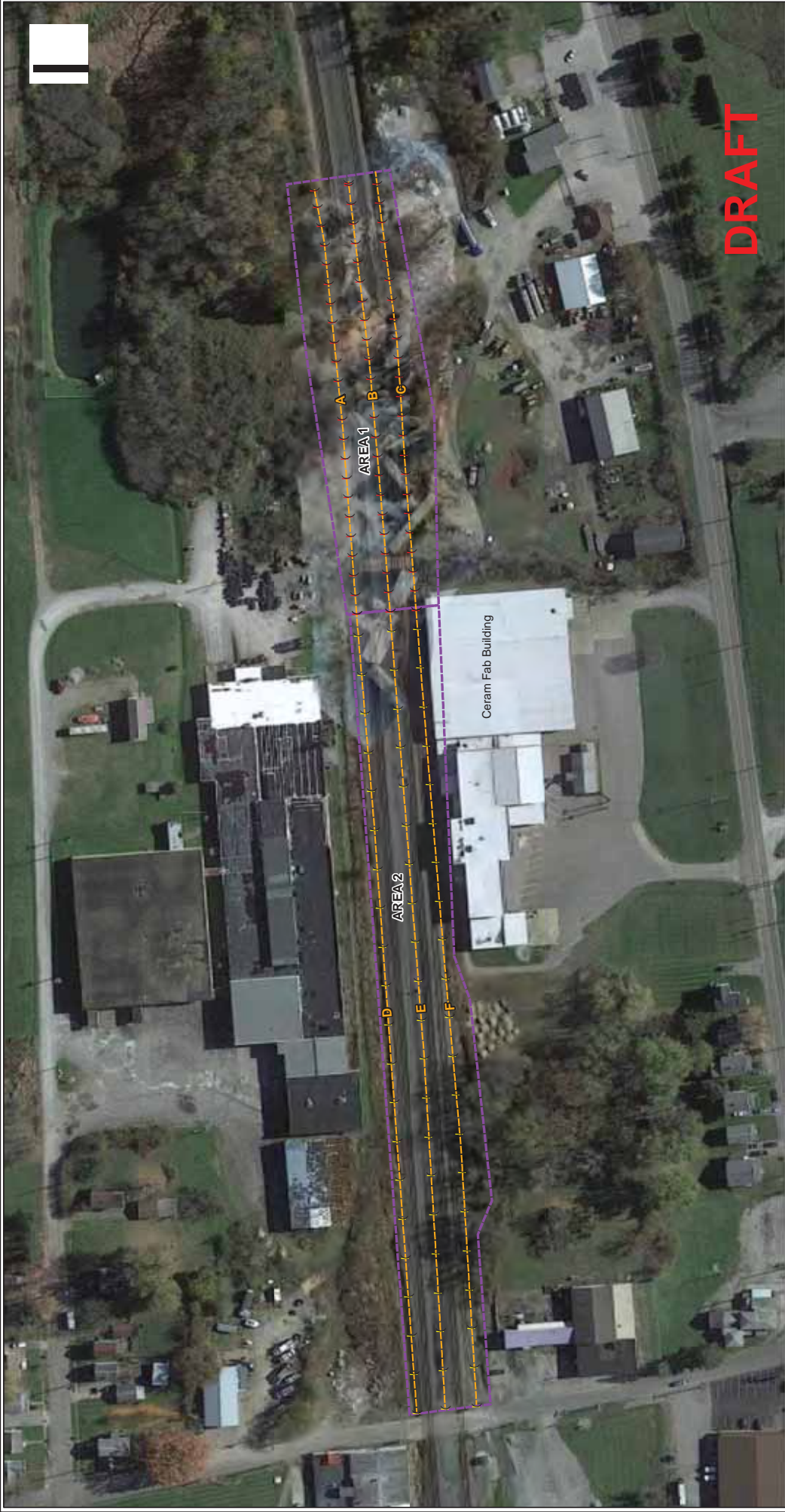
## **Sample Handling**

Samplers will wear fresh nitrile gloves at each location and may be required to wear additional personal protective equipment (PPE). Sample locations will be recorded via GPS. Samples will be preserved in accordance with analytical method requirements, sealed in coolers, and couriered to Eurofins Environment Testing North Central of Barberton, Ohio laboratory under chain-of-

***DRAFT***  
***Privileged and Confidential***

custody protocols and within specified holding times. Rush laboratory sample turn-around time will be requested.

DRAFT



NORFOLK SOUTHERN  
EAST PALESTINE, OHIO

**Preliminary Soil Sampling Plan**

**ARCADIS**

FIGURE **1**

**Legend**

- Approximate extent of potential waste generation activities (Excavation)
- Sampling Transects
- Transect\_Samples**
  - Area 1 Samples - 25 foot Interval
  - Area 2 Samples - 50 foot Interval

0 120 240  
Feet

Preliminary Soil Sampling Work Plan  
Norfolk Southern Train Derailment  
East Palestine, Ohio  
Date: February 10, 2023

Please address the following comments being provided by Ohio EPA on the Preliminary Soil Sampling Work Plan dated February 10, 2023:

General comment

1. When sampling for volatile organic compounds (VOCs) in soil, U.S. EPA SW-846, Method 5035 should be used for sample acquisition and subsequent analysis, in conjunction with U.S. EPA SW-846, Method 8260.

Area 1

2. When collecting a grab sample for vinyl chloride analysis, an additional aliquot should be collected and held for future use for waste characterization purposes.
3. Preliminary assessment activities are requested to extend 250 feet east of the current Area 1 proposed boundary using the sampling protocol for Area 2. This area may be identified using a different designation.
4. Further assessment activities are requested after receipt of the vinyl chloride results. Please coordinate with Ohio EPA regarding future assessment activities.

Standing Water and Stormwater

5. As identified by Ohio EPA's Emergency Response Program, these accumulations of liquids were requested to be addressed through immediate removal. While still achieving this request, these liquids should be sampled prior to removal. In addition, these liquids should be segregated for subsequent characterization and management.



From: [Hunt, Daniel J](#)  
To: [Frank.Zingales@epa.ohio.gov](mailto:Frank.Zingales@epa.ohio.gov); [kurt.kollar@epa.ohio.gov](mailto:kurt.kollar@epa.ohio.gov); [Clayton, Michelle](#); [Grogan, Carolyn](#)  
Cc: [Gernand, Matthew A.](#)  
Subject: RE: East Palestine Ohio - NSRC - DRAFT - Preliminary Soil Sampling Plan  
Date: Friday, February 10, 2023 2:07:11 PM  
Attachments: [image001.png](#)

---

Frank,

Norfolk Southern has received the comments to the Preliminary Soil Sampling Plan and generally agrees with the comments. In response to comment 5 the night crew conducted oil removal from that ditch. The water will be allowed to recharge in that ditch and samples collected as outlined in the Work Plan. The water from that ditch has been placed in a dedicated frac tank. The sampling in the Vinyl Chloride Area will begin immediately.

Thanks  
Dan Hunt

**Daniel Hunt, P.G.**

Regional Manager Environmental Remediation  
**404-273-4472**

**NORFOLK SOUTHERN**

650 West Peachtree Street NW  
Atlanta, GA 30308

[www.norfolksouthern.com](http://www.norfolksouthern.com)  
<https://jobs.nscorp.com/>



---

**From:** Frank.Zingales@epa.ohio.gov <Frank.Zingales@epa.ohio.gov>  
**Sent:** Friday, February 10, 2023 1:48 PM  
**To:** Hunt, Daniel J <Daniel.Hunt@nscorp.com>; kurt.kollar@epa.ohio.gov; Clayton, Michelle <michelle.clayton@arcadis.com>; Grogan, Carolyn <carolyn.grogan@arcadis.com>  
**Subject:** [EXTERNAL] RE: East Palestine Ohio - NSRC - DRAFT - Preliminary Soil Sampling Plan

Dan:

Please find attached Ohio EPA's comments on the Preliminary Soil Sampling Plan.

Please let me know if you would like to do a call concerning the comments, as well as confirm receipt of this email.

Regards, Frank

Frank Zingales, Environmental Specialist  
**Ohio EPA | Division of Environmental Response and Revitalization**  
Northeast District Office  
2110 E. Aurora Road  
Twinsburg, OH 44087  
P: (330) 963-1108

F: (330) 487-0769  
[Ohio EPA DERR Program Information](#)

---

**From:** Hunt, Daniel J <[Daniel.Hunt@nscorp.com](mailto:Daniel.Hunt@nscorp.com)>  
**Sent:** Friday, February 10, 2023 10:08 AM  
**To:** Zingales, Frank <[Frank.Zingales@epa.ohio.gov](mailto:Frank.Zingales@epa.ohio.gov)>; Kollar, Kurt <[kurt.kollar@epa.ohio.gov](mailto:kurt.kollar@epa.ohio.gov)>; Clayton, Michelle <[michelle.clayton@arcadis.com](mailto:michelle.clayton@arcadis.com)>; Grogan, Carolyn <[carolyn.grogan@arcadis.com](mailto:carolyn.grogan@arcadis.com)>  
**Cc:** Gernand, Matthew A. <[Matthew.Gernand@nscorp.com](mailto:Matthew.Gernand@nscorp.com)>  
**Subject:** East Palestine Ohio - NSRC - DRAFT - Preliminary Soil Sampling Plan

Frank,

Attached is the Preliminary Soil Sampling Plan. Norfolk Southern is proposing to only collect Vinyl Chloride samples in the wreck area. After receipt of the data and discussions with OEPA we will decide on the TCLP sampling locations and frequency. The additional sampling outside of the wreck area will be conducted as discussed yesterday. We currently have a field sampling crew onsite and if we need to jump on a call to discuss the sampling plan please let me know.

Thanks  
Dan Hunt

**Daniel Hunt, P.G.**  
Regional Manager Environmental Remediation  
**404-273-4472**

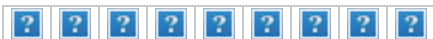
**NORFOLK SOUTHERN**  
650 West Peachtree Street NW  
Atlanta, GA 30308

[www.norfolksouthern.com](http://www.norfolksouthern.com)  
<https://jobs.nscorp.com/>



**CAUTION:** This is an external email and may not be safe. If the email looks suspicious, please do not click links or open attachments and forward the email to [csc@ohio.gov](mailto:csc@ohio.gov) or click the Phish Alert Button if available.

**Follow Us On:**



**How did we do?** [Please take a few minutes to provide us with your feedback](#)

This email is intended for the sole use of the intended recipient and may contain privileged, sensitive or protected information. If you are not the intended recipient, be advised that the unauthorized use, disclosure, copying, distribution, or action taken in reliance on the contents of this communication is prohibited. If you have received this email in error, please notify the sender via telephone or return email and immediately delete this email.

From: [Hunt, Daniel J](#)  
To: [Frank.Zingales@epa.ohio.gov](mailto:Frank.Zingales@epa.ohio.gov); [kurt.kollar@epa.ohio.gov](mailto:kurt.kollar@epa.ohio.gov); [Clayton, Michelle](#)  
Cc: [Gernand, Matthew A.](#); [Veira, E. Fitzgerald](#); [Artrip, Jason](#); [Grogan, Carolyn](#)  
Subject: RE: East Palestine Ohio - NSRC - Preliminary Soil Sampling Plan Deviations  
Date: Sunday, February 12, 2023 7:21:16 AM  
Attachments: [image001.png](#)

---

Frank,

This email is to inform you of deviations from the Preliminary Soil Sampling Plan. The deviation referenced below were discussed with Karen Nesbit (USEPA) and Daniel Hunt (NS) in the field during the Area-2 Transect E drilling activities.

- During the drilling, a stiff mottled clay was observed below the railroad ballast. The clay was encountered less than two feet below grade across the investigation area. A small amount of perched water was typically observed above the clay in the ballast material. The clay extended to at least eight feet below ground surface (bgs). Although the sampling plan indicated terminating borings at the water table, because the clay appeared to be acting as a confining unit to any impacts in the above ballast material it was determined that the best course of action was to terminate the boring at eight feet while we were still in the clay. This would prevent any chance of potential downward migration of impacts should the clay layer be fully penetrated. Because the clay was so dense it was difficult to determine if the water table was encountered during the drilling.
- To help determine if the groundwater table was encountered during the drilling a temporary 1-inch piezometer was installed in borehole E2-14. The piezometer will be checked in the morning to determine if groundwater is present.
- Due to the presence of the interceptor trench some of the Transect E boring locations are currently inaccessible. Confirmation soil samples from these locations at the base of the excavation will be collected following soil removal actions.

Additional deviations that need to be discussed with OEPA is the location of transect D in Area 2. Due to the location of the north ditch the transect will need to be moved to the north side of the ditch to allow access for the drill rig.

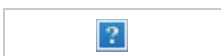
**Daniel Hunt, P.G.**

Regional Manager Environmental Remediation  
404-273-4472

**NORFOLK SOUTHERN**

650 West Peachtree Street NW  
Atlanta, GA 30308

[www.norfolksouthern.com](http://www.norfolksouthern.com)  
<https://jobs.nscorp.com/>



**From:** Frank.Zingales@epa.ohio.gov <Frank.Zingales@epa.ohio.gov>  
**Sent:** Friday, February 10, 2023 1:48 PM  
**To:** Hunt, Daniel J <Daniel.Hunt@nscorp.com>; kurt.kollar@epa.ohio.gov; Clayton, Michelle <michelle.clayton@arcadis.com>; Grogan, Carolyn <carolyn.grogan@arcadis.com>  
**Subject:** [EXTERNAL] RE: East Palestine Ohio - NSRC - DRAFT - Preliminary Soil Sampling Plan

Dan:

Please find attached Ohio EPA's comments on the Preliminary Soil Sampling Plan.

Please let me know if you would like to do a call concerning the comments, as well as confirm receipt of this email.

Regards, Frank

Frank Zingales, Environmental Specialist  
Ohio EPA | Division of Environmental Response and Revitalization  
Northeast District Office  
2110 E. Aurora Road  
Twinsburg, OH 44087  
P: (330) 963-1108  
F: (330) 487-0769  
[Ohio EPA DERR Program Information](#)

---

**From:** Hunt, Daniel J <[Daniel.Hunt@nscorp.com](mailto:Daniel.Hunt@nscorp.com)>  
**Sent:** Friday, February 10, 2023 10:08 AM  
**To:** Zingales, Frank <[Frank.Zingales@epa.ohio.gov](mailto:Frank.Zingales@epa.ohio.gov)>; Kollar, Kurt <[kurt.kollar@epa.ohio.gov](mailto:kurt.kollar@epa.ohio.gov)>; Clayton, Michelle <[michelle.clayton@arcadis.com](mailto:michelle.clayton@arcadis.com)>; Grogan, Carolyn <[carolyn.grogan@arcadis.com](mailto:carolyn.grogan@arcadis.com)>  
**Cc:** Gernand, Matthew A. <[Matthew.Gernand@nscorp.com](mailto:Matthew.Gernand@nscorp.com)>  
**Subject:** East Palestine Ohio - NSRC - DRAFT - Preliminary Soil Sampling Plan

Frank,

Attached is the Preliminary Soil Sampling Plan. Norfolk Southern is proposing to only collect Vinyl Chloride samples in the wreck area. After receipt of the data and discussions with OEPA we will decide on the TCLP sampling locations and frequency. The additional sampling outside of the wreck area will be conducted as discussed yesterday. We currently have a field sampling crew onsite and if we need to jump on a call to discuss the sampling plan please let me know.

Thanks

Dan Hunt

**Daniel Hunt, P.G.**  
Regional Manager Environmental Remediation  
**404-273-4472**

**NORFOLK SOUTHERN**  
650 West Peachtree Street NW  
Atlanta, GA 30308



[www.norfolksouthern.com](http://www.norfolksouthern.com)  
<https://jobs.nscorp.com/>



**CAUTION:** This is an external email and may not be safe. If the email looks suspicious, please do not click links or open attachments and forward the email to [csc@ohio.gov](mailto:csc@ohio.gov) or click the Phish Alert Button if available.

**Follow Us On:**



**How did we do?** [Please take a few minutes to provide us with your feedback](#)

This email is intended for the sole use of the intended recipient and may contain privileged, sensitive or protected information. If you are not the intended recipient, be advised that the unauthorized use, disclosure, copying, distribution, or action taken in reliance on the contents of this communication is prohibited. If you have received this email in error, please notify the sender via telephone or return email and immediately delete this email.

From: [Hunt, Daniel J](#)  
To: [Frank.Zingales@epa.ohio.gov](mailto:Frank.Zingales@epa.ohio.gov); [kurt.kollar@epa.ohio.gov](mailto:kurt.kollar@epa.ohio.gov); [Clayton, Michelle](#)  
Cc: [Gernand, Matthew A.](#); [Veira, E. Fitzgerald](#); [Artrip, Jason](#); [Grogan, Carolyn](#)  
Subject: RE: East Palestine Ohio - NSRC - Preliminary Soil Sampling Plan Deviations  
Date: Sunday, February 12, 2023 7:21:19 AM  
Attachments: [image001.png](#)

---

Frank,

This email is to inform you of deviations from the Preliminary Soil Sampling Plan. The deviation referenced below were discussed with Karen Nesbit (USEPA) and Daniel Hunt (NS) in the field during the Area-2 Transect E drilling activities.

- During the drilling, a stiff mottled clay was observed below the railroad ballast. The clay was encountered less than two feet below grade across the investigation area. A small amount of perched water was typically observed above the clay in the ballast material. The clay extended to at least eight feet below ground surface (bgs). Although the sampling plan indicated terminating borings at the water table, because the clay appeared to be acting as a confining unit to any impacts in the above ballast material it was determined that the best course of action was to terminate the boring at eight feet while we were still in the clay. This would prevent any chance of potential downward migration of impacts should the clay layer be fully penetrated. Because the clay was so dense it was difficult to determine if the water table was encountered during the drilling.
- To help determine if the groundwater table was encountered during the drilling a temporary 1-inch piezometer was installed in borehole E2-14. The piezometer will be checked in the morning to determine if groundwater is present.
- Due to the presence of the interceptor trench some of the Transect E boring locations are currently inaccessible. Confirmation soil samples from these locations at the base of the excavation will be collected following soil removal actions.

Additional deviations that need to be discussed with OEPA is the location of transect D in Area 2. Due to the location of the north ditch the transect will need to be moved to the north side of the ditch to allow access for the drill rig.

**Daniel Hunt, P.G.**

Regional Manager Environmental Remediation  
404-273-4472

**NORFOLK SOUTHERN**

650 West Peachtree Street NW  
Atlanta, GA 30308

[www.norfolksouthern.com](http://www.norfolksouthern.com)  
<https://jobs.nscorp.com/>



**From:** Frank.Zingales@epa.ohio.gov <Frank.Zingales@epa.ohio.gov>  
**Sent:** Friday, February 10, 2023 1:48 PM  
**To:** Hunt, Daniel J <Daniel.Hunt@nscorp.com>; kurt.kollar@epa.ohio.gov; Clayton, Michelle <michelle.clayton@arcadis.com>; Grogan, Carolyn <carolyn.grogan@arcadis.com>  
**Subject:** [EXTERNAL] RE: East Palestine Ohio - NSRC - DRAFT - Preliminary Soil Sampling Plan

Dan:

Please find attached Ohio EPA's comments on the Preliminary Soil Sampling Plan.

Please let me know if you would like to do a call concerning the comments, as well as confirm receipt of this email.

Regards, Frank

Frank Zingales, Environmental Specialist  
Ohio EPA | Division of Environmental Response and Revitalization  
Northeast District Office  
2110 E. Aurora Road  
Twinsburg, OH 44087  
P: (330) 963-1108  
F: (330) 487-0769  
[Ohio EPA DERR Program Information](#)

---

**From:** Hunt, Daniel J <[Daniel.Hunt@nscorp.com](mailto:Daniel.Hunt@nscorp.com)>  
**Sent:** Friday, February 10, 2023 10:08 AM  
**To:** Zingales, Frank <[Frank.Zingales@epa.ohio.gov](mailto:Frank.Zingales@epa.ohio.gov)>; Kollar, Kurt <[kurt.kollar@epa.ohio.gov](mailto:kurt.kollar@epa.ohio.gov)>; Clayton, Michelle <[michelle.clayton@arcadis.com](mailto:michelle.clayton@arcadis.com)>; Grogan, Carolyn <[carolyn.grogan@arcadis.com](mailto:carolyn.grogan@arcadis.com)>  
**Cc:** Gernand, Matthew A. <[Matthew.Gernand@nscorp.com](mailto:Matthew.Gernand@nscorp.com)>  
**Subject:** East Palestine Ohio - NSRC - DRAFT - Preliminary Soil Sampling Plan

Frank,

Attached is the Preliminary Soil Sampling Plan. Norfolk Southern is proposing to only collect Vinyl Chloride samples in the wreck area. After receipt of the data and discussions with OEPA we will decide on the TCLP sampling locations and frequency. The additional sampling outside of the wreck area will be conducted as discussed yesterday. We currently have a field sampling crew onsite and if we need to jump on a call to discuss the sampling plan please let me know.

Thanks

Dan Hunt

**Daniel Hunt, P.G.**  
Regional Manager Environmental Remediation  
**404-273-4472**

**NORFOLK SOUTHERN**  
650 West Peachtree Street NW  
Atlanta, GA 30308

[www.norfolksouthern.com](http://www.norfolksouthern.com)  
<https://jobs.nscorp.com/>



**CAUTION:** This is an external email and may not be safe. If the email looks suspicious, please do not click links or open attachments and forward the email to [csc@ohio.gov](mailto:csc@ohio.gov) or click the Phish Alert Button if available.

Follow Us On:



How did we do? [Please take a few minutes to provide us with your feedback](#)

This email is intended for the sole use of the intended recipient and may contain privileged, sensitive or protected information. If you are not the intended recipient, be advised that the unauthorized use, disclosure, copying, distribution, or action taken in reliance on the contents of this communication is prohibited. If you have received this email in error, please notify the sender via telephone or return email and immediately delete this email.

**Draft Soil Stockpile Sampling  
Norfolk Southern Train Derailment  
East Palestine, Ohio  
Date: February 13, 2023**

**East Palestine OH Derailment - Waste Management Plan, adding PFAS/PFOA sampling**

**Call Notes:**

In addition to commodities released by the derailment the local fire department has indicated that approximately 40 gallons of T-storm AFFF concentrate was utilized by the local fire department to control the fire, prior to NS arrival at the response site. The fire department is not able to provide the exact location where the AFFF was utilized. Based on the SDS (included in Attachment 1 of the WMP) and knowledge of the product this type of AFFF contains per- and polyfluoroalkyl substances known as PFAS and PFOA.

Based on the known release of a small volume of AFFF, the WMP has been amended to include PFAS/PFOA as potential COCs released to the environment as a result of response actions. The sampling plan for wastewater and soil will also be amended to include PFAS and PFOA as potential COCs. For PFAS we recommend EPA537 and EPA537(m) for liquids and solids. There are other methods, and Disposal Facilities have indicated that they will accept alternative methods as long as PFOS and PFOA are analyzed, at a minimum.

The sampling procedures for wastes will not be changed, each frac tank will be sampled individually and for the soil one composite sample will be collected per 100 CY for PFAS/PFOA. Analytical requirements associated with Site characterization and remediation will be addressed in the RAP, this memo is a working document and is specific to waste for offsite disposal only.

Based on discussions with disposal facilities, several of the proposed hazardous waste facilities (Texas Modular, US Ecology, WM Vickery Deep Well) have indicated that they will accept the water on the basis of the volume of AFFF used and the volume of water generated (calculated mass balance). For these facilities the profiles document that 40 gal AFFF 3%-6% concentrate was utilized during the initial response activities. By the end of the 1<sup>st</sup> week of response approximately 200K gallons of water (surface water and fire water) had been generated. A calculated value of 0.02% AFFF is listed on the composition of the wastewater profiles.



From: [Hunt, Daniel J](#)  
To: [Clayton, Michelle](#)  
Subject: FW: Hazardous waste transportation involving rail  
Date: Tuesday, February 14, 2023 4:55:09 PM  
Attachments: [image001.png](#)

---

**Daniel Hunt, P.G.**

Regional Manager Environmental Remediation  
404-273-4472

**NORFOLK SOUTHERN**

650 West Peachtree Street NW  
Atlanta, GA 30308

[www.norfolksouthern.com](http://www.norfolksouthern.com)  
<https://jobs.nscorp.com/>



---

**From:** Frank.Zingales@epa.ohio.gov <Frank.Zingales@epa.ohio.gov>  
**Sent:** Tuesday, February 14, 2023 3:44 PM  
**To:** Hunt, Daniel J <Daniel.Hunt@nscorp.com>  
**Subject:** [EXTERNAL] Hazardous waste transportation involving rail

Dan:

As I understand, Norfolk Southern is considering shipment of hazardous waste generated from this incident involving rail. In general, the hazardous waste would be pumped from a Frac tank at the incident site into a tanker truck and then transported over road (accompanied with a hazardous waste manifest as required by the applicable Ohio Administrative Code (OAC)). The transporter would then proceed to a rail siding and transfer the hazardous waste from the tanker truck to a rail tank car for final delivery to an authorized hazardous waste management facility. This transfer location at the rail siding would be a transfer facility as described in OAC rule 3745-50-10(T)(8). Transfer facility requirements are identified in OAC rule 3745-53-12.

Please see OAC rule 3745-53-20 which identifies manifest use requirements. In particular, please see OAC rule 3745-53-20(F) for shipments involving rail.

Additional compliance assistance information is available at:

Ohio EPA guidance document - Hazardous Waste Consolidation (see transfer facility):  
[https://epa.ohio.gov/static/Portals/32/pdf/Hazardous\\_Waste\\_Consolidation\\_Guidance.pdf](https://epa.ohio.gov/static/Portals/32/pdf/Hazardous_Waste_Consolidation_Guidance.pdf)

U.S. EPA interpretative letter regarding hazardous waste manifest use for transporters and transfer facilities (RO 11953): <https://rcrapublic.epa.gov/files/11953.pdf>

U.S. EPA interpretative letter regarding hazardous waste manifesting requirements applicable to rail transporters (RO 14791): <https://rcrapublic.epa.gov/files/14791.pdf>

Please contact me with any questions.

Frank Zingales, Environmental Specialist  
Ohio EPA | Division of Environmental Response and Revitalization  
Northeast District Office  
2110 E. Aurora Road  
Twinsburg, OH 44087  
P: (330) 963-1108  
F: (330) 487-0769  
[Ohio EPA DERR Program Information](#)

**Follow Us On:**



**How did we do?** [Please take a few minutes to provide us with your feedback](#)

This email is intended for the sole use of the intended recipient and may contain privileged, sensitive or protected information. If you are not the intended recipient, be advised that the unauthorized use, disclosure, copying, distribution, or action taken in reliance on the contents of this communication is prohibited. If you have received this email in error, please notify the sender via telephone or return email and immediately delete this email.

**Staging Pile Sampling Plan**  
**Norfolk Southern Train Derailment**  
**East Palestine, Ohio**  
**Date: February 17, 2023**

Frank Zingales – Ohio Environmental Protection Agency

Michelle Clayton – Arcadis U.S., Inc.

This Staging Pile Sampling Plan documents the waste staging pile sampling procedures for the following five staging piles:

- Two stockpiles have been generated from the excavation of Investigation Area 1, Area 1 Waste Staging Area A and Area 1 Waste Staging Area B.
- Area 2 staging pile
- South Trench staging pile
- North staging pile

Samples will be collected as follows, for all waste staging piles.

- For the purpose of identifying underlying hazardous constituents (UHCs) and ensuring compliance with Universal Treatment Standards a total of 10 grab samples will be collected from each staging pile (see figure below). Samples will be collected at various depths within the staging piles, with a minimum depth of 12 inches below the surface. Sample depths will be incorporated into the sample identification listed on the Chain of Custody (i.e. WC-WS1-A1(3-4')).
- All grab samples will be submitted for total volatile organic compounds (VOCs), total semivolatile organic compounds (SVOCs), and toxicity characteristic leaching procedure (TCLP) metals.
- For the purpose of determining if the waste carries any characteristic waste codes the laboratory (Eurofins) will generate two 5-point composite samples for each staging pile. Compositing will be in accordance with laboratory approved procedures.
- Composite samples will be analyzed for: TCLP VOC, TCLP SVOC, TCLP pesticides/herbicides, and total polychlorinated biphenyls. One sample per staging pile will be analyzed for per- and polyfluoroalkyl substances (PFAS)/ perfluorooctanoic acid (PFOA).



- Proposed Sample Location (actual locations may be adjusted in the field)  
Samples will be collected at various depths within the staging piles

From: [Hunt, Daniel J](#)  
To: [Clayton, Michelle](#)  
Subject: FW: East Palestine Derailment Roll Off Box Waste Sampling Plan  
Date: Monday, February 20, 2023 5:49:13 PM  
Attachments: [image001.png](#)

---

Michelle,

Please see Frank's comment below.

Thanks

Dan Hunt

**Daniel Hunt, P.G.**

Regional Manager Environmental Remediation  
404-273-4472

**NORFOLK SOUTHERN**

650 West Peachtree Street NW  
Atlanta, GA 30308

[www.norfolksouthern.com](http://www.norfolksouthern.com)

<https://jobs.nscorp.com/>



---

**From:** Frank.Zingales@epa.ohio.gov <Frank.Zingales@epa.ohio.gov>  
**Sent:** Monday, February 20, 2023 5:12 PM  
**To:** karen.nesbit@epa.ohio.gov; Hunt, Daniel J <Daniel.Hunt@nscorp.com>  
**Subject:** [EXTERNAL] RE: East Palestine Derailment Roll Off Box Waste Sampling Plan

Dan:

To clarify regarding the North Ditch Soil. When the lab generates the two 5-point composite samples from the 10 grab samples collected, will they be run for TCLP VOC, TCLP SVOC, TCLP pesticides/herbicides, and total polychlorinated biphenyls (this would be consistent with the other sampling efforts)?

Thanks, Frank

Frank Zingales, Environmental Specialist  
[Ohio EPA](#) | Division of Environmental Response and Revitalization  
Northeast District Office  
2110 E. Aurora Road  
Twinsburg, OH 44087  
P: (330) 963-1108  
F: (330) 487-0769  
[Ohio EPA DERR Program Information](#)

---

**From:** Nesbit, Karen <[karen.nesbit@epa.ohio.gov](mailto:karen.nesbit@epa.ohio.gov)>  
**Sent:** Monday, February 20, 2023 4:32 PM  
**To:** [daniel.hunt@nscorp.com](mailto:daniel.hunt@nscorp.com)



**Cc:** Zingales, Frank <[Frank.Zingales@epa.ohio.gov](mailto:Frank.Zingales@epa.ohio.gov)>

**Subject:** FW: East Palestine Derailment Roll Off Box Waste Sampling Plan

Dan,

The plan for the North Ditch roll-off boxes appears to be adequate with the following condition:

All boxes will be opened and field screened to determine if there are different VOC concentrations present in any of the boxes. If any boxes appear to be different from the other boxes, these should be sampled separately.

We would request additional time to consider the sampling plan for the pellets.

Regards

Karen

Karen L. Nesbit, Environmental Specialist

Ohio EPA | Division of Environmental Response and Revitalization

Northeast District Office

2110 E. Aurora Road

Twinsburg, OH 44087

P: (330) 963-1159

F: (330) 487-0769

[Ohio EPA DERR Program Information](#)

---

**From:** Zingales, Frank <[Frank.Zingales@epa.ohio.gov](mailto:Frank.Zingales@epa.ohio.gov)>

**Sent:** Monday, February 20, 2023 3:27 PM

**To:** Nesbit, Karen <[karen.nesbit@epa.ohio.gov](mailto:karen.nesbit@epa.ohio.gov)>; Eyerdorn, Timothy <[Timothy.Eyerdorn@epa.ohio.gov](mailto:Timothy.Eyerdorn@epa.ohio.gov)>; Oryshkewych, Natalie <[Natalie.Oryshkewych@epa.ohio.gov](mailto:Natalie.Oryshkewych@epa.ohio.gov)>; Witherspoon, Melisa <[Melisa.Witherspoon@epa.ohio.gov](mailto:Melisa.Witherspoon@epa.ohio.gov)>

**Subject:** Fwd: East Palestine Derailment Roll Off Box Waste Sampling Plan

---

**From:** Hunt, Daniel J <[Daniel.Hunt@nscorp.com](mailto:Daniel.Hunt@nscorp.com)>

**Sent:** Monday, February 20, 2023 3:13:15 PM

**To:** Zingales, Frank <[Frank.Zingales@epa.ohio.gov](mailto:Frank.Zingales@epa.ohio.gov)>

**Cc:** Kollar, Kurt <[kurt.kollar@epa.ohio.gov](mailto:kurt.kollar@epa.ohio.gov)>; Gernand, Matthew A. <[Matthew.Gernand@nscorp.com](mailto:Matthew.Gernand@nscorp.com)>

**Subject:** East Palestine Derailment Roll Off Box Waste Sampling Plan

Frank,

Below is a summary of the proposed sampling approach for the waste streams that were placed into roll-offs.

NORTH DITCH SOIL - All of the north Ditch soil was generated during the same excavation and will be managed as a single waste stream (i.e. stockpile). The north ditch soil is contained in 22 roll-off boxes.

- Arcadis will randomly select 10 of those boxes to collect the grab samples.
- Samples will be collected with a hand auger from various depths and locations within the roll-off boxes. All samples will be collected from a minimum of 12 inches depth.
- Consistent with the stockpile sampling approach, we will collect 10 grab samples for Total VOC, Total SVOC, TCLP metals (for the purpose of UHC/UTS compliance).
- The lab will generate two 5-point composite samples from the 10 grab samples collected.

PLASTIC PELLETS WITH SOME SOIL - There are 18 boxes of plastic pellets 6 boxes with plastic pellets and soil and (total of 24 boxes). The soil in the plastic pellet boxes was collected from the over excavation of the soil under the pellets.

- Arcadis will randomly select 10 of those boxes to collect the grab samples.
- Samples will be collected with a hand auger from various depths and locations within the roll-off boxes. All samples will be collected from a minimum of 12 inches depth.
- Consistent with the stockpile sampling approach, we will collect 10 grab samples for Total VOC, Total SVOC, TCLP metals (for the purpose of UHC/UTS compliance).
- The lab will generate two 5-point composite samples from the 10 grab samples collected.

Thanks

Dan Hunt

**Daniel Hunt, P.G.**

Regional Manager Environmental Remediation  
404-273-4472

**NORFOLK SOUTHERN**

650 West Peachtree Street NW  
Atlanta, GA 30308

[www.norfolksouthern.com](http://www.norfolksouthern.com)

<https://jobs.nscorp.com/>



**CAUTION:** This is an external email and may not be safe. If the email looks suspicious, please do not click links or open attachments and forward the email to [csc@ohio.gov](mailto:csc@ohio.gov) or click the Phish Alert Button if available.

**Follow Us On:**



**How did we do?** [Please take a few minutes to provide us with your feedback](#)

This email is intended for the sole use of the intended recipient and may contain privileged, sensitive or protected information. If you are not the intended recipient, be advised that the unauthorized use, disclosure, copying, distribution, or action taken in reliance on the contents of this communication is prohibited. If you have received this email in error, please notify the sender via telephone or return email and immediately delete this email.

From: [Frank.Zingales@epa.ohio.gov](mailto:Frank.Zingales@epa.ohio.gov)  
To: [Clayton, Michelle](mailto:Clayton.Michelle); [daniel.hunt@nscorp.com](mailto:daniel.hunt@nscorp.com)  
Subject: Waste Pile #4/South Side of RR Tracks  
Date: Friday, February 24, 2023 7:41:09 PM

---

Dan/Michelle –

As communicated to me today, Waste Pile #4 (last pile to be generated on south side of RR tracks) will be sampled and analyzed using the same methodology as the other waste piles. The sampling methodology is identified in our email communications, including acknowledged comments, from February 17, 2023. As we are well aware, turnaround time (TAT) by the laboratory is critical to the continued off-site management of all wastes. Please use an expedited TAT for these samples.

Please contact me with any questions.

Frank Zingales, Environmental Specialist  
Ohio EPA | Division of Environmental Response and Revitalization  
Northeast District Office  
2110 E. Aurora Road  
Twinsburg, OH 44087  
P: (330) 963-1108  
F: (330) 487-0769  
[Ohio EPA DERR Program Information](#)

**Follow Us On:**



**How did we do?** [Please take a few minutes to provide us with your feedback](#)

This email is intended for the sole use of the intended recipient and may contain privileged, sensitive or protected information. If you are not the intended recipient, be advised that the unauthorized use, disclosure, copying, distribution, or action taken in reliance on the contents of this communication is prohibited. If you have received this email in error, please notify the sender via telephone or return email and immediately delete this email.

**South Track Stockpile Waste Sampling Plan**  
**Norfolk Southern Train Derailment**  
**East Palestine, Ohio**  
**Date: March 10, 2023**

Attn: Hillary Young, Oklahoma Dept. Of Environmental Quality (OK DEQ)  
Mike Edwards, OK DEQ  
Kelly Dixon, OK DEQ  
Jim Wilkins, OK DEQ  
Paul Bratti, Clean Harbor  
Alan Adair, Clean Harbor  
Dan Hunt, Norfolk Southern

This Stockpile Sampling Plan documents the sampling procedures for the soil that was excavated from beneath the main line 1 - south track. Approximately 14,000 CY of soil was generated during the remedial activities. The soil is currently staged in a stockpile south of the track.

Samples will be collected as follows:

- For the purpose of identifying underlying hazardous constituents (UHCs) 14 grab samples will be collected. Horizontal sample locations will be randomly chosen. Sample depths will be a minimum of 12 inches below the surface. Sample depths will be incorporated into the sample identification listed on the Chain of Custody.
- All grab samples will be submitted for total volatile organic compounds (VOCs), total semivolatile organic compounds (SVOCs), and toxicity characteristic leaching procedure (TCLP) metals.
- For the purpose of determining if the waste exhibits any characteristic waste codes the laboratory (Eurofins) will generate two 7-point composite samples from the 14 grab samples. Compositing will be in accordance with laboratory approved procedures.
- Composite samples will be analyzed for: TCLP VOC, TCLP SVOC, TCLP pesticides/herbicides, and total polychlorinated biphenyls. One composite sample will be analyzed for dioxins/furans.



# Attachment 4

## Waste Generation Log and Applicable Regulations

No.	Container ID	Updated	Notes	Staging Site	Size	DTW (ft)	TD (ft)	Capacity2	%	4.6.23	4.7.23
1	512A	Updated	4.7.23 - SE 1704	ER Ceramics	21000	9.6	9.60	0.0	0%	-	-
2	526F	Updated	4.7.23 - SE 1705	ER Ceramics	21000	9.6	9.60	0.0	0%	1,677	-
3	548A	Updated	4.7.23 - SE 1703	ER Ceramics	21000	6.5	9.60	3.1	32%	2,224	6,781
4	585A	Updated	4.7.23 - SE 1654	South Track	21000	9.6	9.60	0.0	0%	-	-
5	256929	DO NOT USE	3.25.23 0.18 PPM VC SUSTAINED	Tank Farm 3	21000	8.40	8.67	0.3	3%	654	654
6	501B	PRODUCT	3.31.23 - GG PPE - TBD Sampled on 3.19.23	Tank Farm 3	21000	8.40	9.75	1.4	14%	2,908	2,908
7	251552	DEMOB	4.7.23 Demobilized - JG	Tank Farm 3	0	8.67	8.67	0.0	0%	-	-
8	251788	DO NOT USE	4.3.23 - SE Blocked off for cleaning.	Tank Farm 3	21000	8.67	8.67	0.0	0%	-	-
9	251799	DO NOT USE	4.3.2023 SE Red Tape	Tank Farm 3	21000	8.67	8.67	0.0	0%	-	-
10	256100	DO NOT USE	4.3.23 - SE CLEANING	Tank Farm 3	21000	9.83	9.83	0.0	0%	-	-
11	257390	DO NOT USE	4.3.23 - SE MESK CAP LEAKING 1450	Tank Farm 3	21000	8.42	8.67	0.3	3%	614	614
12	257393	DO NOT USE	4.3.23 - SE DO NOT LOAD	Tank Farm 3	21000	8.67	8.67	0.0	0%	-	-
13	266215	DO NOT USE	4.3.23 - Ladder is Broken	Tank Farm 3	21000	8.40	8.67	0.3	3%	654	654
14	266265	DEMOB	4.7.23 Demobilized - JG	Tank Farm 3	0	8.67	8.67	0.0	0%	-	-
15	251060	Updated	4.7.23 - MR 2254	Tank Farm 3	21000	8.67	8.67	0.0	0%	17,464	-
16	251079	Updated	4.7.23 - MR 2310	Tank Farm 3	21000	8.67	8.67	0.0	0%	557	-
17	251091	Updated	4.7.23 - MR 2309	Tank Farm 3	21000	9.83	9.83	0.0	0%	5,960	-
18	251321	Updated	4.7.23 - MR 2305	Tank Farm 3	21000	8.67	8.67	0.0	0%	8	8
19	251478	Updated	4.7.23 - MR 2304	Tank Farm 3	21000	8.67	8.67	0.0	0%	8	8
20	251633	Updated	4.7.23 - MR 2307	Tank Farm 3	21000	8.67	8.67	0.0	0%	-	-
21	251683	Updated	4.7.23 - MR 2306	Tank Farm 3	21000	8.67	8.67	0.0	0%	8	8
22	251782	Updated	4.7.23 - MR 0417	Tank Farm 3	21000	8.67	8.67	0.0	0%	4,651	-
23	252007	Updated	4.7.23 - MR 2313	Tank Farm 3	21000	8.67	8.67	0.0	0%	3,585	-
24	256094	Updated	4.7.23 - MR 2307	Tank Farm 3	21000	8.67	8.67	0.0	0%	8	8
25	257204	Updated	4.7.23 - MR 2253	Tank Farm 3	21000	8.67	8.67	0.0	0%	17,343	-
26	257400	Updated	4.7.23 - MR 2312	Tank Farm 3	21000	8.67	8.67	0.0	0%	242	-
27	265276	Updated	4.7.23 - MR 2308	Tank Farm 3	21000	8.67	8.67	0.0	0%	-	-
28	501F	Updated	4.7.23 - MR 2312	Tank Farm 3	21000	9.75	9.75	0.0	0%	-	-
29	507F	Updated	4.7.23 - MR 2257	Tank Farm 3	18000	9.83	9.83	0.0	0%	12,983	-
30	572A	Updated	4.7.23 - MR 2257	Tank Farm 3	21000	9.75	9.75	0.0	0%	17,942	-
31	574B	Updated	4.7.23 - MR 2249	Tank Farm 3	21000	8.92	9.75	0.8	9%	17,640	1,795
32	574D	Updated	4.7.23 - MR 2255	Tank Farm 3	18000	6.92	7.92	1.0	13%	12,500	2,280
33	AL4735	Updated	4.7.23 - MR 2248	Tank Farm 3	21000	9.75	9.75	0.0	0%	3,705	-
34	251362	DO NOT USE	4.6.23 - SE 1116	Tank Farm 3	21000	4.83	8.67	3.8	44%	9,293	9,293
35	251002	DO NOT USE	4.5.23 - MR 2208 Not accessible. Loose bolt on the tank ladder	Tank Farm 3	21000	2.48	8.67	6.2	71%	14,993	14,993
36	251026	Updated	4.7.23 - MR 0422	Tank Farm 3	21000	3.00	8.67	5.7	65%	13,564	13,734
37	251543	Updated	4.7.23 - MR 2234	Tank Farm 3	21000	2.17	8.67	6.5	75%	14,557	15,752
38	251650	Updated	4.7.23 - MR 2301	Tank Farm 3	21000	1.50	8.67	7.2	83%	16,543	17,367
39	251688	Updated	4.7.23 - MR 0416	Tank Farm 3	21000	4.83	8.67	3.8	44%	4,481	9,293
40	251694	Updated	4.7.23 - MR 2238	Tank Farm 3	21000	1.67	8.67	7.0	81%	16,010	16,963
41	251871	Updated	4.7.23 - MR 0424	Tank Farm 3	21000	2.08	8.67	6.6	76%	5,740	15,954
42	252651	Updated	4.7.23 - MR 0423	Tank Farm 3	21000	3.42	8.67	5.3	61%	12,740	12,724
43	253085	Updated	4.7.23 - MR 2314	Tank Farm 3	21000	5.92	8.67	2.8	32%	18,433	6,669
44	256043	Updated	4.7.23 - MR 2247	Tank Farm 3	21000	6.83	9.83	3.0	30%	16,535	6,402
45	256169	Updated	4.7.23 - MR 2236	Tank Farm 3	21000	2.33	8.67	6.3	73%	14,242	15,348
46	257225	Updated	4.7.23 - MR 2235	Tank Farm 3	21000	2.58	8.67	6.1	70%	13,612	14,743
47	257516	Updated	4.7.23 - MR 2233	Tank Farm 3	21000	2.08	8.67	6.6	76%	14,824	15,954
48	257761	Updated	4.7.23 - MR 0425	Tank Farm 3	21000	0.50	8.75	8.3	94%	3,120	19,800
49	257925	Updated	4.7.23 - MR 2224	Tank Farm 3	21000	2.17	8.67	6.5	75%	14,872	15,752
50	266384	Updated	4.7.23 - MR 0414	Tank Farm 3	21000	6.92	8.67	1.8	20%	3,512	4,247
51	511A	Updated	4.7.23 - MR 2302	Tank Farm 3	21000	1.42	9.83	8.4	86%	17,390	17,974
52	513A	Updated	4.7.23 - MR 0415	Tank Farm 3	21000	2.00	7.90	5.9	75%	10,766	15,684

No.	Container ID	Updated	Notes	Staging Site	Size	DTW (ft)	TD (ft)	Capacity2	%	4.6.23	4.7.23
53	521B	Updated	4.7.23 - MR 0419	Tank Farm 3	21000	1.67	9.83	8.2	83%	-	17,439
54	531A	DO NOT USE	4.5.23 - SE 1503 ACCESS LADDER BROKEN	Tank Farm 3	21000	2.83	9.60	6.8	71%	14,809	14,809
55	532A	Updated	4.7.23 - MR 0418	Tank Farm 3	21000	0.33	9.83	9.5	97%	16,279	20,288
56	537A	Updated	4.7.23 - MR 2241	Tank Farm 3	21000	1.50	9.75	8.3	85%	17,145	17,769
57	542C	Updated	4.7.23 - MR 2229	Tank Farm 3	21000	1.67	9.75	8.1	83%	15,960	17,410
58	560B	Updated	4.7.23 - MR 2244	Tank Farm 3	21000	1.75	9.83	8.1	82%	16,642	17,261
59	564B	Updated	4.7.23 - MR 2238	Tank Farm 3	21000	2.17	9.83	7.7	78%	15,681	16,371
60	566B	Updated	4.7.23 - MR 2259	Tank Farm 3	21000	2.25	9.83	7.6	77%	15,510	16,193
61	570E	Updated	4.7.23 - MR 2226	Tank Farm 3	16000	2.58	8.67	6.1	70%	10,261	11,233
62	573D	Updated	4.7.23 - MR 2228	Tank Farm 3	16000	2.58	7.92	5.3	67%	9,657	10,781
63	586A	Updated	4.7.23 - MR 2223	Tank Farm 3	21000	3.75	9.75	6.0	62%	15,012	12,923
64	592B	Updated	4.7.23 - MR 2231	Tank Farm 3	21000	1.67	9.75	8.1	83%	16,671	17,410
65	593D	Updated	4.7.23 - MR 2258	Tank Farm 3	21000	1.33	9.75	8.4	86%	17,446	18,128
66	AL4216	Updated	4.7.23 - MR 2245	Tank Farm 3	21000	1.83	9.75	7.9	81%	16,262	17,051
67	AL4710	Updated	4.7.23 - MR 2250	Tank Farm 3	21000	8.17	9.75	1.6	16%	16,175	3,410
68	AL4738	Updated	4.7.23 - MR 0416	Tank Farm 3	21000	2.00	9.75	7.8	79%	3,166	16,692
69	AL4754	Updated	4.7.23 - MR 0420	Tank Farm 3	21000	1.42	9.75	8.3	85%	18,028	17,949
70	AL4755	Updated	4.7.23 - MR 0421	Tank Farm 3	21000	1.00	9.75	8.8	90%	13,505	18,846
71	AL4771	Updated	4.7.23 - MR 0417	Tank Farm 3	21000	1.58	9.75	8.2	84%	3,640	17,590
72	AL4787	Updated	4.7.23 - MR 2251	Tank Farm 3	21000	2.08	9.75	7.7	79%	16,865	16,513
73	AL4944	Updated	4.7.23 - MR 2242	Tank Farm 3	21000	1.75	9.75	8.0	82%	16,391	17,231
74	AL5484	Updated	4.7.23 - MR 2250	Tank Farm 3	21000	8.17	9.75	1.6	16%	17,080	3,410
75	AL5645	Updated	4.7.23 - MR 2300	Tank Farm 3	21000	1.33	9.75	8.4	86%	17,532	18,128
76	AL5679	Updated	4.7.23 - MR 2223	Tank Farm 3	21000	1.75	9.75	8.0	82%	16,326	17,231
77	251369	Updated	4.7.23 - MR 0120	Tank Farm 4	21000	1.3333	9.60	8.3	86%	18,266	18,083
78	251406	Updated	4.7.23 - MR 0120	Tank Farm 4	21000	0.8333	9.60	8.8	91%	18,995	19,177
79	257165	Updated	4.7.23 - MR 0119	Tank Farm 4	21000	2.1667	9.60	7.4	77%	14,802	16,260
80	547E	Updated	4.7.23 - MR 0114	Tank Farm 4	21000	2.0833	9.60	7.5	78%	15,714	16,443
81	553B	Updated	4.7.23 - MR 0121	Tank Farm 4	21000	0.8333	9.60	8.8	91%	19,542	19,177
82	257271	Updated	4.7.23 - MR 0121	Tank Farm 4	21000	1.75	9.60	7.9	82%	16,990	17,172
83	265552	Updated	4.7.23 - MR 0119	Tank Farm 4	21000	2.5	9.60	7.1	74%	16,260	15,531
84	514D	Updated	4.7.23 - MR 0111	Tank Farm 4	21000	2.25	9.60	7.4	77%	15,714	16,078
85	529D	Updated	4.7.23 - MR 0115	Tank Farm 4	21000	1.25	9.60	8.4	87%	17,719	18,266
86	530F	Updated	4.7.23 - MR 0112	Tank Farm 4	21000	2	9.60	7.6	79%	16,443	16,625
87	539A	Updated	4.7.23 - MR 0118	Tank Farm 4	21000	2.1667	9.60	7.4	77%	15,714	16,260
88	541B	Updated	4.7.23 - MR 0113	Tank Farm 4	21000	2.1667	9.60	7.4	77%	16,078	16,260
89	553A	Updated	4.7.23 - MR 0117	Tank Farm 4	21000	1.25	9.60	8.4	87%	17,901	18,266
90	562C	Updated	4.7.23 - MR 0117	Tank Farm 4	21000	1.25	9.60	8.4	87%	17,901	18,266
91	571B	Updated	4.7.23 - MR 0115	Tank Farm 4	21000	1.25	9.60	8.4	87%	17,901	18,266
92	578D	Updated	4.7.23 - MR 0116	Tank Farm 4	21000	1.25	9.60	8.4	87%	18,448	18,266
93	252656	DO NOT FILL	4.3.23 LD @ 1954 Per NS email Clean and Out of Service	Tank Farm 5	21000	9.6	9.60	0.0	0%	-	-
94	256709	DO NOT FILL	4.3.23 LD @ 1954 Per NS email Clean and Out of Service	Tank Farm 5	21000	9.6	9.60	0.0	0%	-	-
95	251014	Updated	4.7.23 - MR 0426	Tank Farm 5	21000	9.60	9.60	0.0	0%	18,083	-
96	255950	Updated	4.7.23 - MR 0208	Tank Farm 5	21000	9.60	9.60	0.0	0%	-	-
97	257019	Updated	4.7.23 - MR 0426	Tank Farm 5	21000	9.60	9.60	0.0	0%	18,083	-
98	266240	Updated	4.7.23 - MR 0209	Tank Farm 5	21000	9.60	9.60	0.0	0%	-	-
99	555D	Updated	4.7.23 - MR 0201	Tank Farm 5	21000	9.60	9.60	0.0	0%	18,448	-
100	257728	Updated	4.7.23 - MR 0210	Tank Farm 5	21000	8.50	8.50	0.0	0%	-	-
101	260119	Updated	4.7.23 - MR 0202	Tank Farm 5	21000	9.60	9.60	0.0	0%	17,172	-
102	508C	Updated	4.7.23 - MR 0141 DECON FRAC ONLY	Tank Farm 5	21000	9.60	9.60	0.0	0%	3,135	-
103	516F	Updated	4.7.23 - MR 0214	Tank Farm 5	21000	9.6	9.60	0.0	0%	16,078	-
104	538B	Updated	4.7.23 - MR 0211	Tank Farm 5	21000	9.50	9.50	0.0	0%	-	-
105	540A	Updated	4.7.23 - MR 0142 ROPED OFF DECON FRAC ONLY	Tank Farm 5	21000	9.00	9.60	0.6	6%	17,901	1,313

No.	Container ID	Updated	Notes	Staging Site	Size	DTW (ft)	TD (ft)	Capacity2	%	4.6.23	4.7.23
106	566E	Updated	4.7.23 - MR 0212	Tank Farm 5	21000	7.50	7.50	0.0	0%	700	-
107	251320	Updated	4.7.23 - MR 0207	Tank Farm 5	21000	2.92	9.60	6.7	70%	-	14,620
108	256729	Updated	4.7.23 - MR 0425	Tank Farm 5	21000	1.67	9.60	7.9	83%	-	17,354
109	251076	Updated	4.7.23 - MR 0142	Tank Farm 5	21000	0.00	9.60	9.6	100%	21,000	21,000
110	251158	Updated	4.7.23 - MR 0158	Tank Farm 5	21000	2.58	9.60	7.0	73%	15,167	15,349
111	253177	Updated	4.7.23 - MR 0155	Tank Farm 5	21000	0.58	8.50	7.9	93%	19,353	19,559
112	256160	Updated	4.7.23 - MR 0141 DECON WATER	Tank Farm 5	21000	2.08	8.50	6.4	75%	17,912	15,853
113	256185	Updated	4.7.23 - MR 0200	Tank Farm 5	21000	1.75	9.60	7.9	82%	16,990	17,172
114	257195	Updated	4.7.23 - MR 0143	Tank Farm 5	21000	0.00	9.60	9.6	100%	21,000	21,000
115	257410	Updated	4.7.23 - MR 0143	Tank Farm 5	21000	0.00	9.60	9.6	100%	21,000	21,000
116	257414	Updated	4.7.23 - MR 0153	Tank Farm 5	21000	1.75	9.60	7.9	82%	16,625	17,172
117	257482	Updated	4.7.23 - MR 0156	Tank Farm 5	21000	1.83	8.40	6.6	78%	16,417	16,417
118	265065	Updated	4.7.23 - MR 0156	Tank Farm 5	21000	1.33	8.50	7.2	84%	17,706	17,706
119	266313	Updated	4.7.23 - MR 0159	Tank Farm 5	21000	3.17	9.60	6.4	67%	13,891	14,073
120	505B	Updated	4.7.23 - MR 0150	Tank Farm 5	21000	3.58	9.60	6.0	63%	12,979	13,161
121	513C	Updated	4.7.23 - MR 0157 Note: Container material appears unusually thick	Tank Farm 5	21000	0.9167	9.60	8.7	90%	17,172	18,995
122	514E	Updated	4.7.23 - MR 0215	Tank Farm 5	16000	3.5	9.60	6.1	64%	13,778	10,167
123	515B	Updated	4.7.23 - MR 0150	Tank Farm 5	21000	2.75	9.60	6.9	71%	14,802	14,984
124	538F	Updated	4.7.23 - MR 0144	Tank Farm 5	21000	1.58	9.40	7.8	83%	18,766	17,463
125	552A	Updated	4.7.23 - MR 0148	Tank Farm 5	21000	1.67	9.60	7.9	83%	17,354	17,354
126	558F	Updated	4.7.23 - MR 0152	Tank Farm 5	21000	3.00	9.60	6.6	69%	14,802	14,438
127	559B	Updated	4.7.23 - MR 0151	Tank Farm 5	21000	3.00	9.60	6.6	69%	14,438	14,438
128	577D	Updated	4.7.23 - MR 0213	Tank Farm 5	16000	4.58	7.50	2.9	39%	6,222	6,222
129	598B	Updated	4.7.23 - MR 0154	Tank Farm 5	21000	0.83	9.60	8.8	91%	18,995	19,177
130	598D	Updated	4.7.23 - MR 0453	Tank Farm 6	21000	9.6	9.60	0.0	0%	-	-
131	251766	Updated	4.7.23 - MR 0434	Tank Farm 6	21000	9.60	9.60	0.0	0%	3,763	-
132	256104	Updated	4.7.23 - MR 0451	Tank Farm 6	21000	9.60	9.60	0.0	0%	9,231	-
133	501C	Updated	4.7.23 - MR 0454	Tank Farm 6	21000	9.6	9.60	0.0	0%	-	-
134	502D	Updated	4.7.23 - MR 0454	Tank Farm 6	21000	9.60	9.60	0.0	0%	-	-
135	512C	Updated	4.7.23 - MR 0437	Tank Farm 6	21000	8.50	9.60	1.1	11%	1,772	2,406
136	512E	Updated	4.7.23 - MR 0452	Tank Farm 6	16000	9.60	9.60	0.0	0%	3,950	-
137	536E	Updated	4.7.23 - MR 0445	Tank Farm 6	21000	9.17	9.60	0.4	5%	-	948
138	538A	Updated	4.7.23 - MR 0453	Tank Farm 6	21000	9.6	9.60	0.0	0%	-	-
139	539C	Updated	4.7.23 - MR 0455	Tank Farm 6	21000	9.60	9.60	0.0	0%	-	-
140	558E	Updated	4.7.23 - MR 0438	Tank Farm 6	21000	8.75	9.60	0.9	9%	4,966	1,859
141	559F	Updated	4.7.23 - MR 0456	Tank Farm 6	21000	9.60	9.60	0.0	0%	-	-
142	560F	Updated	4.7.23 - MR 0455	Tank Farm 6	21000	9.60	9.60	0.0	0%	-	-
143	251692	Updated	4.7.23 - MR 0449	Tank Farm 6	21000	1.75	9.60	7.9	82%	17,063	17,172
144	253326	Updated	4.7.23 - MR 0446	Tank Farm 6	21000	1.83	9.60	7.8	81%	17,019	16,990
145	256193	Updated	4.7.23 - MR 0444	Tank Farm 6	21000	1.42	9.60	8.2	85%	17,719	17,901
146	265364	Updated	4.7.23 - MR 0447	Tank Farm 6	21000	0.92	9.60	8.7	90%	18,878	18,995
147	266387	Updated	4.7.23 - MR 0450	Tank Farm 6	21000	0.92	9.60	8.7	90%	18,900	18,995
148	505E	Updated	4.7.23 - MR 0433	Tank Farm 6	16000	7.08	9.60	2.5	26%	4,667	4,194
149	522D	Updated	4.7.23 - MR 0449	Tank Farm 6	21000	2.67	9.60	6.9	72%	15,466	15,167
150	525F	Updated	4.7.23 - MR 0445	Tank Farm 6	21000	1.67	9.60	7.9	83%	17,259	17,354
151	552B	Updated	4.7.23 - MR 0448	Tank Farm 6	21000	6.25	9.60	3.4	35%	17,938	7,328
152	559D	Updated	4.7.23 - MR 0442	Tank Farm 6	16000	6.75	8.40	1.7	20%	3,105	3,143
153	590D	Updated	4.7.23 - MR 0441	Tank Farm 6	16000	7.08	8.40	1.3	16%	3,086	2,508
154	566A	Updated	4.7.23 - SE 1704	Washington St	21000	9.6	9.60	0.0	0%	-	-
155	0114A	Updated	4.7.23 - SE 1704	WWTP	10000	3.5	3.50	0.0	0%	-	-
<b>Total</b>	<b>155</b>				<b>3,156,000</b>				<b>45%</b>	<b>1,599,733</b>	<b>1,445,772</b>

No.	Container ID	Updated	Notes	Staging Site	Size	DTW (ft) TD (ft)	Capacity2	%	4.6.23	4.7.23
-----	--------------	---------	-------	--------------	------	------------------	-----------	---	--------	--------

Total Volume (gal)	Total Capacity (gal)	% Utilized
1,445,772	3,156,000	45%

PRODUCT/DO NOT USE or FILL	DEMOB	Readings Updated
13	2	142

Full (100-85%)	Partial (85-15%)	Empty (15-0%)	Unknown If Reading is Accurate
24	70	61	4

Total Tanks	Usable Tanks
155	116

Inventory for Tank Farm 3 completed as of 01:00 3/25/23  
 Inventory for Roll-Off area completed as of 05:30 03/25/23

Inventory for TF3 & TF6 complete as of 17:45 on 4/7/23



No.	Container ID	Staging Site	Status	Waste Profile Name	Waste Description	Notes	Last Date Inspected
1	SB2593	Ceramics Parking Lot	Partial	Street Sweepings	Dirt and Street Sweepings		3/29/2023 SMI
2	RT5046	North Track/State Line Warehouse	Empty	N/A - EMPTY	--	CLEAN	3/29/2023 SMI
3	RT5282	South Track near HEPCO	Full	Municipal Trash	Municipal Trash		3/29/2023 SMI
4	RT1588A	Taggart Near Truck Wash/Parking Lot	Partial	Street Sweepings	Street Sweepings		3/29/2023 SMI
5	SB1450	Tank Farm 5	Full	Debris	Impacted Absorbents & Debris (Booms & pads)		3/29/2023 SMI
6	SB1905	Tank Farm 5	Full	Debris	Booms & Pads		3/29/2023 SMI
7	SB1028	Tank Farm 5	Full	Debris	Insulation		3/29/2023 SMI
8	SB2446	Tank Farm 5	Partial	Debris	Booms & Pads		3/29/2023 SMI
9	SB1167	Tank Farm 5	Full	Debris	PPE & Absorbents		3/29/2023 SMI
10	SB2412	Tank Farm 5	Full	Debris	Absorbents & Debris + municipal trash		3/29/2023 SMI
11	SB1395	Tank Farm 5	Full	Debris	Municipal trash and dirt		3/29/2023 SMI
12	SB2665	Tank Farm 5	Full	Debris	Municipal trash and corrugated tubing		3/29/2023 SMI
13	SB2462	Tank Farm 5	Full	Debris	Absorbents and Dirt		3/29/2023 SMI
14	SB2367	Tank Farm 5	Full	Debris	Booms & Pads		3/29/2023 SMI
15	SB2521	Tank Farm 5	Full	Debris	Municipal Trash and dirt		3/29/2023 SMI
16	SB1833	Tank Farm 5	Full	Debris	Absorbents & Municipal Trash		3/29/2023 SMI
17	RT2281	Tank Farm 5	Full	Debris	Street-sweeping Debris, Trash and large quantities of water	LARGE QUANTITY OF LIQUID	3/29/2023 SMI
18	SB2445	Tank Farm 5	Full	Debris	Dirt, Plastic and Ballast		3/29/2023 SMI
19	SB1521	Tank Farm 5	Full	Debris	Booms and Pads		3/29/2023 SMI
20	SB2626	Tank Farm 5	Full	Debris	Absorbents & Debris		3/29/2023 SMI
21	SB1962	Tank Farm 5	Full	Debris	Absorbents and Municipal Trash		3/29/2023 SMI
22	SB1860	Tank Farm 5	Full	Debris	Wood debris and flour bags		3/29/2023 SMI
23	SB1055	Tank Farm 5	Full	Debris	Hay and Dirt		3/29/2023 SMI
24	SB2536	Tank Farm 5	Full	Debris	Municipal Trash		3/29/2023 SMI
25	SB2500	Tank Farm 5	Full	Debris	Absorbents		3/29/2023 SMI
26	RT1783	Tank Farm 5	Full	Debris	Metal Fencing and Dirt		3/29/2023 SMI
27	RT3244	Tank Farm 5	Full	Debris	Secondary conainment		3/29/2023 SMI
28	RT4726	Tank Farm 5	Full	Debris	Tires, Dirt, Fencing and Trees		3/29/2023 SMI
29	RT4509	Tank Farm 5	Full	Debris	Dirt, Trash, and water	A LOT OF SEDIMENT AND LARGE AMOUNT OF LIQUID	3/29/2023 SMI
30	SB2454	Tank Farm 5	Full	Debris	Insulation and Dirt		3/29/2023 SMI
31	RT5283	Tank Farm 5	Full	Debris	Secondary Containment		3/29/2023 SMI
32	SB2354	Tank Farm 5	Partial	Debris	Wood & Metal sheets		3/29/2023 SMI
33	SB1847	Tank Farm 5	Partial	Debris	Trash, booms + pads		3/29/2023 SMI
34	SB2418	Tank Farm 5	Partial	Debris	Impacted Absorbents & Debris		3/29/2023 SMI
35	SB1299	Tank Farm 5	Partial	Debris	Secondary conainment		3/29/2023 SMI
36	SB1263	Tank Farm 5	Partial	Debris	Municipal Trash		3/29/2023 SMI
37	SB1486	Tank Farm 5	Partial	Debris	Hay and Dirt		3/29/2023 SMI
38	SB2588	Tank Farm 5	Partial	Debris	Absorbents and PPE		3/29/2023 SMI
39	AJVB-225	Tank Farm 5	Full	Ethyl Hexy Acrylate	Ethyl Hexyl Acrylate		3/29/2023 SMI
40	SB2406	Tank Farm 5	Empty	N/A - EMPTY	--		3/29/2023 SMI
41	VB1190	Tank Farm 5	Empty	N/A - EMPTY	--		3/29/2023 SMI
42	VB1281	Tank Farm 5	Empty	N/A - EMPTY	--		3/29/2023 SMI
43	SB2119	Tank Farm 5	Empty	N/A - EMPTY	--		3/29/2023 SMI
44	VB1110	Tank Farm 5	Empty	N/A - EMPTY	--		3/29/2023 SMI
45	SB1597	Tank Farm 5	Empty	N/A - EMPTY	--		3/29/2023 SMI
46	SB2116	Tank Farm 5	Empty	N/A - EMPTY	--	CLEAN	3/29/2023 SMI
47	SB1608	Tank Farm 5	Empty	N/A - EMPTY	--	CLEAN	3/29/2023 SMI
48	DVB1420	Tank Farm 5	Empty	N/A - EMPTY	--		3/29/2023 SMI
49	SB1226	Tank Farm 5	Empty	N/A - EMPTY	--	NEEDS CLEANING	3/29/2023 SMI
50	SB1621	Tank Farm 5	Empty	N/A - EMPTY	--	CLEAN	3/29/2023 SMI
51	RT3117	Tank Farm 5	Empty	N/A - EMPTY	--	CLEAN	3/29/2023 SMI
52	RT5362	Tank Farm 5	Empty	N/A - EMPTY	--	CLEAN	3/29/2023 SMI
53	RT5385	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023
54	RT5417	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023
55	RT5403	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023
56	RT5390	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023
57	RT5416	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023
58	SB1085	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023

No.	Container ID	Staging Site	Status	Waste Profile Name	Waste Description	Notes	Last Date Inspected
59	RT5409	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023
60	SB1968	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023
61	RT5406	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023
62	RT5414	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023
63	RT5367	Tank Farm 5		Non-Friable ACM, Debris & soil	ACM, Debris & Soil		4/1/2023
64	SB1056	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
65	SB2636	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
66	SB1841	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
67	SB1252	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
68	SB1855	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
69	SB2477	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
70	SB1465	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
71	SB1032	Tank Farm 5	Full	Plastic Pellets & Soil	Melted Plastic		3/29/2023 SMI
72	SB1850	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
73	SB1985	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
74	SB1707	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
75	SB1566	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
76	SB2461	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
77	SB1612	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
78	DSB2468	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
79	SB2325	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
80	SB2224	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
81	VB1328	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
82	279363	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
83	VB1319	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
84	VB1108	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
85	VB1344	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
86	VB1254	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
87	VB1402	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
88	VB1284	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
89	VB1403	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
90	SB1886	Tank Farm 5	Full	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
91	VB1337	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
92	VB1184	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
93	280784	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
94	DVB1321	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
95	279404	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
96	VB1350	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
97	VB1264	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets		3/29/2023 SMI
98	SB1505	Tank Farm 5	Full	Plastic Pellets & Soil	Municipal Trash		3/29/2023 SMI
99	SB1050	Tank Farm 5	Full	Plastic Pellets & Soil	Plastic Pellets and Dirt		3/29/2023 SMI
100	SB1340	Tank Farm 5	Partial	Plastic Pellets & Soil	Dirt & Plastic Pellets		3/29/2023 SMI
101	DSB1811	Tank Farm 5	Partial	Plastic Pellets & Soil	Municipal Trash and Dirt		3/29/2023 SMI
102	SB1921	Tank Farm 5	Partial	Plastic Pellets and Soil	Plastic Pellets, Ballast and Dirt		3/29/2023 SMI
103	DSB1809	Tank Farm 5	Partial	Soil < LDR	Rock		3/29/2023 SMI
104	SB1511	Tank Farm 5	Full	Soil < LDR	5-25% Absorbants, 50-75% N Ditch Dirt and 10-25% Wood		3/29/2023 SMI
105	SB2474	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
106	SB1502	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
107	SB2455	Tank Farm 5	Partial	Soil < LDR	Drill Cuttings		3/29/2023 SMI
108	SB1188	Tank Farm 5	Full	Soil < LDR	Dirt & Ballast		3/29/2023 SMI
109	SB2405	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
110	SB2475	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
111	SB1051	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
112	SB1623	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
113	SB1634	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
114	SB1213	Tank Farm 5	Full	Soil < LDR	Dirt & Rock		3/29/2023 SMI
115	SB1305	Tank Farm 5	Full	Soil < LDR	Dirt & Rock		3/29/2023 SMI
116	SB1865	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
117	SB2538	Tank Farm 5	Partial	Soil < LDR	Dirt		3/29/2023 SMI
118	SB2407	Tank Farm 5	Full	Soil < LDR	Dirt & Rock		3/29/2023 SMI
119	SB2634	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
120	SB1022	Tank Farm 5	Partial	Soil < LDR	Dirt and Trash		3/29/2023 SMI
121	SB2413	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
122	AJMU112	Tank Farm 5	Full	Soil < LDR	Dirt & Asphalt		3/29/2023 SMI
123	RT4635	Tank Farm 5	Full	Soil < LDR	Dirt & Asphalt		3/29/2023 SMI
124	SB2621	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
125	SB2598	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt + Debris		3/29/2023 SMI
126	SB1618	Tank Farm 5	Partial	Soil < LDR	Dirt		3/29/2023 SMI
127	SB1721	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
128	SB2655	Tank Farm 5	Partial	Soil < LDR	Dirt & trash		3/29/2023 SMI
129	SB2056	Tank Farm 5	Partial	Soil < LDR	Dirt		3/29/2023 SMI

No.	Container ID	Staging Site	Status	Waste Profile Name	Waste Description	Notes	Last Date Inspected
130	SB1692	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
131	SB1852	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
132	RT1587	Tank Farm 5	Partial	Soil < LDR	Ballast and Dirt		3/29/2023 SMI
133	SB2624	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
134	SB1798	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
135	SB2650	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
136	SB1799	Tank Farm 5	Full	Soil < LDR	N Ditch Dirt		3/29/2023 SMI
137	SB1753	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
138	SB2526	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
139	SB2648	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
140	SB1702	Tank Farm 5	Full	Soil < LDR	Dirt and wood debris		3/29/2023 SMI
141	SB1046	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
142	RT2614	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
143	RT4241	Tank Farm 5	Full	Soil < LDR	Dirt, Ballast and Debris		3/29/2023 SMI
144	RT1597	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
145	SB1504	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
146	RB21203	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
147	RB2929	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
148	RT5026	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
149	RT4428	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
150	RT4533	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
151	RT5043	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
152	RT1605A	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
153	RT1658	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
154	RT2843	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
155	RT3114	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
156	RT2639	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
157	RT2636	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
158	RT4583	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
159	RT5284	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
160	RT2658	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
161	RT5049	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
162	RT4442	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
163	RT4216	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
164	RT3103	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
165	RT4725	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
166	RT4007	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
167	RT1599	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
168	RT4521	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
169	RT4424	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
170	SB1826	Tank Farm 5	Full	Soil < LDR	Dirt		3/29/2023 SMI
171	RT4725	Tank Farm 5	Full	Soil < LDR	Contaminated Dirt		3/29/2023 SMI
172	RT5358	Tank Farm 6	Full	Debris	Absorbants and Dirt		3/29/2023 SMI
173	RT1608	Tank Farm 6	Full	Debris	Hay and Absorbants		3/29/2023 SMI
174	RT4517	Tank Farm 6	Empty	N/A - EMPTY	--	NEEDS CLEANING	3/29/2023 SMI
175	RT5396	Tank Farm 6	Empty	N/A - EMPTY	--	CLEAN	3/29/2023 SMI
176	RT5364	Tank Farm 6	Empty	N/A - EMPTY	--	CLEAN	3/29/2023 SMI
177	SB1946	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
178	DSB1754	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
179	SB2234	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
180	SB1217	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
181	SB2469	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
182	RT1785	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
183	RT5129	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
184	SB1121	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
185	RT4226	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
186	RT3079	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
187	RT624	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
188	RT3454	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
189	RT4414	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
190	RT4228	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
191	RT4534	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
192	RT2291	Tank Farm 6	Full	Soil < LDR	Dirt		3/29/2023 SMI
193	RT5379	Two Gallon Tank Area	Empty	N/A - EMPTY	--	CLEAN	3/29/2023 SMI
194	SB1509	Unknown Location	Unknown		--		--
195	SB1112	Unknown Location	Unknown		--		--
196	DSB1809	Unknown Location	Unknown		--		--
197	DB1022	Unknown Location	Unknown		--		--
198	RT4517	Unknown Location	Unknown		--		--

Full (100-85%) 143	Partial (85-15%) 21	Empty (15-0%) 18
--------------------------	---------------------------	------------------------

Total Roll-Offs 193	Usable Roll-Offs 143
---------------------------	-------------------------

Inventory completed as of 19:12 on 4/01/23

# Attachment 5

## Waste Transportation and Disposal Log

SOLID WASTE, HAZARDOUS										
STATE	DISPOSAL FACILITY	ADDRESS	CERCLA APPROVED	PROFILE STATUS	ID NUMBER	# OF LOADS 04/07/2023	SHIPPED 04/07/2023 (tons)	SHIPPED TO DATE (tons)	NOTES	COMMENTS
OH	Ross Incineration Services (Incineration)	36790 Giles Rd, Grafton, OH 44044	Y	approved	OHD48415665	3	67	1,749	Start Shipping on 02/28	
OH	Heritage Thermal Services (Incineration)	1250 Saint George St, East Liverpool, OH 43920	Y	approved	OHD980613541	2	41	1,986	Start shipping on 2/27	
IN	Heritage Environmental Services, LLC (Landfill)	4370 W. County Road 1275, North Roachdale IN	Y	approved	IND980503890	19	444	14,387	Start Shipping on 02/28	
CO	Clean Harbors Deer Trail LLC (Landfill)	108555 East Highway 36 Deer Trail, CO 80105	Y	approved	COD991300484	2	44	887	Start Shipping on 03/24	
TX	Waste Control Specialists	9998 West, TX-176 Andrews, TX 79714	Y	approved	TXD988088464	8	179	243	Start Shipping on 04/05	
OK	Clean Harbor Lone Mountain (Landfill)	40355 S. County Road 236, Waynoka, OK 73860	Y	approved	OKD065438376	-	-	-	Start shipping on 3/11	Stopped shipping 3/12, all loads returned to site
MI	US Ecology Wayne disposal Inc (Landfill)	49364 North 194 Service Drive Belleville, MI 48111	Y	approved	MID048090646	-	-	440		
Totals						34	775	19,692		

LIQUID WASTE, HAZARDOUS										
STATE	DISPOSAL FACILITY	ADDRESS	CERCLA APPROVED	PROFILE STATUS	ID NUMBER	# OF LOADS 04/07/2023	SHIPPED 04/07/2023 (gal)	SHIPPED TO DATE (gal)	NOTES	COMMENTS
OH	Vickery (Deep Well Injection)	3956 State Route 412, Vickery OH 43464	Y	approved	OHD020273819	6	30,076	1,062,146		
TX	Deer Park (Deep Well Injection)	2525 Independence Rd Deer Park, TX 77536	Y	approved	TXD000719518	67	329,524	9,847,905		EPA allowed on 02/28
MI	Romulus	28470 Citrin Drive Romulus, MI 48174	N	approved	MIR000016055	-	-	308,927		Not CERCLA approved
Totals						73	359,600	11,218,978		



Waste Stream, Disposal Facility, Date	# of Loads	Estimated Volume (Gal)	Manifested Facility Volume (Tons)
<i>Water impacted with vinyl chloride - U043, Listed Hazardous Waste</i>	<b>2265</b>	<b>11,218,978</b>	
Romulus U.S. Ecology	62	308,927	
2/20/2023	13	64,174	
2/21/2023	13	65,086	
2/22/2023	13	65,059	
2/23/2023	20	99,645	
2/24/2023	3	14,963	
Texas Molecular	1991	9,847,905	
2/14/2023	6	32,489	
2/15/2023	24	112,442	
2/16/2023	17	78,246	
2/17/2023	27	122,160	
2/18/2023	39	177,298	
2/19/2023	18	88,939	
2/20/2023	18	92,333	
2/21/2023	13	67,391	
2/22/2023	23	117,078	
2/23/2023	51	256,326	
2/24/2023	24	122,766	
2/25/2023	4	20,621	
2/28/2023	27	135,095	
3/1/2023	50	246,128	
3/2/2023	67	339,014	
3/3/2023	48	246,092	
3/4/2023	53	266,346	
3/5/2023	43	204,471	
3/6/2023	69	338,061	
3/7/2023	74	358,960	
3/8/2023	81	396,359	
3/9/2023	93	465,633	
3/10/2023	89	445,950	
3/11/2023	77	388,862	
3/12/2023	52	259,218	
3/13/2023	38	191,606	
3/14/2023	37	184,988	
3/15/2023	28	138,254	
3/16/2023	40	194,890	
3/17/2023	38	180,709	
3/18/2023	39	186,577	
3/19/2023	28	134,247	
3/20/2023	18	81,252	
3/21/2023	24	120,765	
3/22/2023	29	146,036	
3/23/2023	50	249,466	
3/24/2023	58	289,905	
3/25/2023	38	190,030	
3/26/2023	48	239,577	
3/27/2023	47	232,337	
3/28/2023	13	64,778	
3/29/2023	22	110,322	
3/30/2023	46	231,525	
3/31/2023	31	155,585	
4/1/2023	15	75,447	
4/2/2023	8	40,068	
4/3/2023	18	90,281	
4/4/2023	19	95,042	
4/5/2023	36	180,707	
4/6/2023	69	335,709	
4/7/2023	67	329,524	
Vickery Environmental	212	1,062,146	
2/15/2023	4	19,147	
2/16/2023	2	10,000	
2/19/2023	2	10,000	
2/20/2023	2	10,000	
2/21/2023	2	10,000	
2/22/2023	5	25,225	

Waste Stream, Disposal Facility, Date	# of Loads	Estimated Volume (Gal)	Manifested Facility Volume (Tons)
2/23/2023	4	20,065	
2/26/2023	4	20,400	
2/27/2023	4	20,425	
2/28/2023	4	20,401	
3/1/2023	7	35,588	
3/2/2023	4	20,140	
3/5/2023	5	25,300	
3/6/2023	5	25,093	
3/7/2023	5	25,293	
3/8/2023	8	40,062	
3/9/2023	7	35,115	
3/11/2023	1	5,000	
3/12/2023	2	10,040	
3/13/2023	5	25,054	
3/14/2023	5	25,004	
3/15/2023	8	40,097	
3/16/2023	4	20,017	
3/17/2023	2	10,200	
3/19/2023	5	25,004	
3/20/2023	6	30,062	
3/21/2023	7	35,329	
3/22/2023	7	35,311	
3/23/2023	9	44,958	
3/24/2023	3	14,902	
3/26/2023	1	5,050	
3/27/2023	7	34,593	
3/28/2023	6	29,820	
3/29/2023	9	44,872	
3/30/2023	7	34,966	
3/31/2023	7	34,530	
4/3/2023	8	40,038	
4/4/2023	8	40,011	
4/5/2023	8	39,999	
4/6/2023	7	34,959	
4/7/2023	6	30,076	
<b>Soil Impacted with Vinyl Chloride (&gt;10X UTS)</b>	<b>164</b>		<b>3,735</b>
Ross Incineration Services	75		1,749
2/28/2023	2		48
3/1/2023	4		94
3/2/2023	2		48
3/3/2023	4		96
3/6/2023	4		92
3/7/2023	1		25
3/8/2023	1		23
3/9/2023	4		98
3/10/2023	4		102
3/13/2023	2		52
3/14/2023	2		52
3/15/2023	2		47
3/16/2023	5		124
3/17/2023	2		50
3/20/2023	3		73
3/21/2023	2		48
3/22/2023	2		49
3/23/2023	3		76
3/24/2023	4		100
3/27/2023	2		31
3/28/2023	2		49
3/29/2023	2		33
3/30/2023	2		46
3/31/2023	6		128
4/4/2023	1		18
4/5/2023	2		42
4/6/2023	2		39
4/7/2023	3		67
Heritage Thermal Services	89		1,986

Waste Stream, Disposal Facility, Date	# of Loads	Estimated Volume (Gal)	Manifested Facility Volume (Tons)
2/27/2023	4		89
2/28/2023	8		176
3/1/2023	8		174
3/2/2023	8		182
3/3/2023	6		137
3/4/2023	4		93
3/6/2023	8		184
3/7/2023	8		187
3/16/2023	1		18
3/17/2023	4		86
3/18/2023	4		93
3/20/2023	7		147
3/21/2023	4		85
4/5/2023	4		93
4/6/2023	9		202
4/7/2023	2		41
<i>Soil Impacted with Vinyl Chloride (&lt;10X UTS)</i>	<i>676</i>		<i>15,957</i>
US Ecology	20		440
2/23/2023	6		132
2/24/2023	14		308
Heritage Environmental Services	605		14,387
2/28/2023	3		66
3/1/2023	18		419
3/3/2023	13		309
3/13/2023	4		94
3/14/2023	22		518
3/15/2023	34		819
3/16/2023	27		650
3/17/2023	21		503
3/19/2023	25		615
3/20/2023	31		763
3/21/2023	20		476
3/23/2023	27		652
3/24/2023	5		116
3/25/2023	1		26
3/26/2023	30		729
3/27/2023	18		441
3/28/2023	36		863
3/29/2023	37		910
3/30/2023	15		313
3/31/2023	24		589
4/2/2023	24		577
4/3/2023	38		907
4/4/2023	40		928
4/5/2023	34		791
4/6/2023	39		869
4/7/2023	19		444
Clean Harbors Deer Trail LLC	40		887
3/24/2023	8		189
3/25/2023	3		70
3/26/2023	5		118
3/28/2023	3		59
3/31/2023	5		108
4/1/2023	1		23
4/2/2023	2		43
4/4/2023	1		24
4/5/2023	4		85
4/6/2023	6		124
4/7/2023	2		44
Waste Control Specialist	11		243
4/5/2023	1		22
4/6/2023	2		42
4/7/2023	8		179
<b>Grand Total</b>	<b>3105</b>	<b>11,218,978</b>	<b>19,692</b>

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011399	2/14/2023	Quality Carriers	559F	Frac tank	C1531	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,336	4,647	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011401	2/14/2023	Quality Carriers	525F	Frac tank	703119	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,429	5,511	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
3	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011402	2/14/2023	Quality Carriers	559F	Frac tank	701812	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,510	4,714	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
4	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011403	2/14/2023	Quality Carriers	559F/54 0A	Frac tank	701584	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,402	4,223	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
5	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011404	2/14/2023	Quality Carriers	540A	Frac tank	76128	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,402	5,081	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
6	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011405	2/14/2023	Quality Carriers	540A/51 5B	Frac tank	T5124	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,410	5,775	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
7	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	020011420	2/15/2023	Kuhnle Brothers	552A	Frac tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	4,967	4,906	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
8	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011425	2/15/2023	Quality Carriers	515B	Frac tank	27526	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,400	4,218	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
9	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011426	2/15/2023	Quality Carriers	552A/51 6F	Frac tank	7796	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,759	3,302	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
10	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011432	2/15/2023	Quality Carriers	516F/53 9C	Frac tank	703/405	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,622	4,618	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
11	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011433	2/15/2023	Quality Carriers	516F	Frac tank	TB53	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,773	4,669	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
12	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011434	2/15/2023	Quality Carriers	516F	Frac tank	TB21	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,828	3,576	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
13	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011406	2/15/2023	Quality Carriers	515B	Frac tank	67806	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,402	4,936	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
14	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011411	2/15/2023	Quality Carriers	564B	Frac tank	703021	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	2,325	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
15	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011412	2/15/2023	Quality Carriers	564B	Frac tank	702815	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,825	3,903	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
16	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	020011419	2/15/2023	Kuhnle Brothers	515A/55 2A	Frac tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	4,580	4,594	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
17	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	020011421	2/15/2023	Kuhnle Brothers	538F	Frac tank	1212	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	4,900	5,124	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
18	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	020011422	2/15/2023	Kuhnle Brothers	538F	Frac tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	4,700	4,202	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
19	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011427	2/15/2023	Quality Carriers	539C/51 6F	Frac tank	703159	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,000	4,611	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
20	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011428	2/15/2023	Quality Carriers	598B	Frac tank	70746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,000	4,121	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
21	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011429	2/15/2023	Quality Carriers	539C	Frac tank	11341	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,471	4,844	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
22	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011430	2/15/2023	Quality Carriers	539C	Frac tank	CH8128	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,497	4,599	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
23	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011431	2/15/2023	Quality Carriers	539C	Frac tank	702/885	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,497	3,618	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
24	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011435	2/15/2023	Robbie D Wood	516F/59 8B	Frac tank	7738	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,000	4,057	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
25	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011440	2/15/2023	Quality Carriers	598B	Frac tank	702534	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,000	4,095	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
26	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011455	2/15/2023	Quality Carriers	512A/52 6F	Frac tank	701967	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	5,144	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
27	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011456	2/15/2023	Quality Carriers	526F	Frac tank	CH7067	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,088	5,098	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
28	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011457	2/15/2023	Quality Carriers	526F	Frac tank	702137	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,022	5,012	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
29	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011458	2/15/2023	Quality Carriers	538F	Frac tank	702088	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,856	5,153	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
30	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011459	2/15/2023	Quality Carriers	570E	Frac tank	RV717	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,884	5,287	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
31	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011460	2/15/2023	Quality Carriers	564B	Frac tank	701311	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,623	3,621	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
32	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011461	2/15/2023	Quality Carriers	526F	Frac tank	5167	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	5,179	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
33	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011485	2/15/2023	Quality Carriers	516F	Frac tank	702960	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,000	4,100	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
34	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011491	2/15/2023	Quality Carriers	538F	Frac tank	5L745	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,895	4,606	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
35	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011408	2/16/2023	Quality Carriers	505B	Frac tank	LT125	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,372	4,560	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
36	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011413	2/16/2023	Quality Carriers	564B	Frac tank	703997	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,889	4,853	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
37	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011416	2/16/2023	Quality Carriers	570E	Frac tank	702105	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,629	3,690	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
38	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011417	2/16/2023	Quality Carriers	570E	Frac tank	CH7922	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,548	2,562	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
39	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011418	2/16/2023	Quality Carriers	570E	Frac tank	7230	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,437	2,730	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
40	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	020011423	2/16/2023	Kuhnle Brothers	514E	Frac tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	2,404	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
41	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	020011424	2/16/2023	Kuhnle Brothers	513C	Frac tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,263	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
42	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011446	2/16/2023	Quality Carriers	552A	Frac tank	703029	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,800	3,958	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
43	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011462	2/16/2023	Heniff Transportation	514E	Frac tank	3134	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,555	4,314	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
44	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011463	2/16/2023	Heniff Transportation	514E	Frac tank	43208	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,496	4,784	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
45	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011464	2/16/2023	Heniff Transportation	552A/505B	Frac tank	11938	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,800	4,351	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
46	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011465	2/16/2023	Heniff Transportation	505B	Frac tank	61659	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,166	4,942	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
47	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011466	2/16/2023	Heniff Transportation	505B	Frac tank	5328	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,636	4,700	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
48	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011467	2/16/2023	Heniff Transportation	505B/515B	Frac tank	21--1875	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,200	2,965	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
49	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011475	2/16/2023	Heniff Transportation	513C	Frac tank	11-1198	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,566	4,625	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
50	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011476	2/16/2023	Heniff Transportation	513C	Frac tank	11655	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,555	4,393	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
51	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011486	2/16/2023	Quality Carriers	598B	Frac tank	70704	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,800	4,635	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
52	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240510	2/16/2023	Action Resources	564B/251788	Frac tank	749034	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,900	4,985	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
53	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240605	2/16/2023	Robbie D Wood	564B	Frac tank	LT2225	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,897	4,904	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
54	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126930	2/17/2023	Quality Carriers	251788	Frac tank	8895	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,896	4,997	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
55	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126932	2/17/2023	Quality Carriers	555D	Frac tank	70541	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,555	3,836	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
56	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126933	2/17/2023	Quality Carriers	540A	Frac tank	74475	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,800	5,139	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
57	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126935	2/17/2023	Quality Carriers	538B	Frac tank	SL701	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,568	4,568	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
58	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126949	2/17/2023	Quality Carriers	513C/514E	Frac tank	703312	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	3,406	3,261	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
59	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011407	2/17/2023	Quality Carriers	538B	Frac tank	CH8203	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,499	4,538	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
60	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011436	2/17/2023	Robbie D Wood	542C/538B	Frac tank	LT2218	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,499	4,647	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
61	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011439	2/17/2023	Robbie D Wood	542C	Frac tank	SIRV115	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,012	4,772	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
62	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011468	2/17/2023	Heniff Transportation	573D	Frac tank	5251	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,369	4,654	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
63	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011469	2/17/2023	Heniff Transportation	542C	Frac tank	11-1401	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,499	5,271	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
64	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011470	2/17/2023	Heniff Transportation	538B	Frac tank	41-3446	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,432	4,764	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
65	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011471	2/17/2023	Heniff Transportation	251694	Frac tank	11-1090	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,458	4,635	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
66	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011472	2/17/2023	Heniff Transportation	251694	Frac tank	LT-2065	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,205	4,431	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
67	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011473	2/17/2023	Heniff Transportation	514E/251694	Frac tank	8000	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,487	4,479	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
68	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240507	2/17/2023	Action Resources	573D	Frac tank	SIR003	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,493	4,971	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
69	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240508	2/17/2023	Action Resources	555D	Frac tank	TRI-117	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	3,584	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
70	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240509	2/17/2023	Action Resources	515B/536E	Frac tank	SIR0050	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,493	4,560	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
71	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240549	2/17/2023	Heniff Transportation	515B	Frac tank	21-1718	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,677	3,772	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
72	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240550	2/17/2023	Heniff Transportation	515B	Frac tank	43265	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	3,772	3,548	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
73	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240551	2/17/2023	Heniff Transportation	536E	Frac tank	1837	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,600	4,593	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
74	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240571	2/17/2023	Heniff Transportation	536E	Frac tank	1963	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,900	4,419	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
75	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240572	2/17/2023	Heniff Transportation	540A/530F	Frac tank	70252R	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,884	4,861	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
76	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240581	2/17/2023	Heniff Transportation	542C	Frac tank	21-713	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,497	4,373	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
77	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240582	2/17/2023	Heniff Transportation	536E	Frac tank	1567	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,200	4,178	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
78	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240594	2/17/2023	Heniff Transportation	573D/542C	Frac tank	7090	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,200	4,110	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
79	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240595	2/17/2023	Heniff Transportation	555D/573D	Frac tank	589	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,416	2,713	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
80	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240596	2/17/2023	Heniff Transportation	555D	Frac tank	5337	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,343	5,237	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
81	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126917	2/18/2023	Quality Carriers	256100	Frac tank	SK808	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,473	3,971	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
82	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126918	2/18/2023	Quality Carriers	AL4216	Frac tank	703294	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,493	3,866	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
83	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126919	2/18/2023	Quality Carriers	592B	Frac tank	68104	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,385	5,275	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
84	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126923	2/18/2023	Quality Carriers	525F	Frac tank	703454	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,758	4,774	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
85	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126924	2/18/2023	Quality Carriers	508C/256160	Frac tank	5157	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,501	4,606	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
86	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126934	2/18/2023	Quality Carriers	530F	Frac tank	702711	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,892	4,902	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
87	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011410	2/18/2023	Quality Carriers	251694/256100	Frac tank	CH7834	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,493	3,901	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
88	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011474	2/18/2023	Heniff Transportation	AL4216	Frac tank	4ER-03	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	3,609	2,672	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
89	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240502	2/18/2023	Action Resources	592B	Frac tank	611	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,493	5,348	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
90	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240511	2/18/2023	Heniff Transportation	525F	Frac tank	Pending	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	3,736	3,537	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
91	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240512	2/18/2023	Heniff Transportation	508C	Frac tank	43829	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,594	4,604	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
92	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240513	2/18/2023	Heniff Transportation	256160/547E	Frac tank	11-453	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,692	4,404	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
93	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240514	2/18/2023	Heniff Transportation	547E	Frac tank	43808	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,613	4,741	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
94	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240515	2/18/2023	Heniff Transportation	547E	Frac tank	11-1253	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,499	4,563	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
95	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240516	2/18/2023	Heniff Transportation	547E	Frac tank	3356	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,861	4,904	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
96	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240517	2/18/2023	Heniff Transportation	560F	Frac tank	4891	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,839	4,973	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
97	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240521	2/18/2023	Heniff Transportation	256160	Frac tank	11-1005	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,600	4,719	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
98	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240522	2/18/2023	Heniff Transportation	508C	Frac tank	LT-1590	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	3,724	3,718	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
99	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240523	2/18/2023	Heniff Transportation	559F/525F	Frac tank	111084	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,323	4,377	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
100	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240545	2/18/2023	Heniff Transportation	538B/586A	Frac tank	CC70146	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,475	3,549	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
101	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240552	2/18/2023	Heniff Transportation	586A	Frac tank	70274R	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,488	5,069	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
102	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240553	2/18/2023	Heniff Transportation	256100	Frac tank	41-3065	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,562	3,511	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
103	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240555	2/18/2023	Heniff Transportation	586A/592B	Frac tank	11-490	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,930	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
104	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240556	2/18/2023	Heniff Transportation	592B	Frac tank	1895	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,507	4,377	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
105	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240557	2/18/2023	Heniff Transportation	592B/566E	Frac tank	21-0202	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,479	4,239	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
106	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240558	2/18/2023	Heniff Transportation	AL4216	Frac tank	4712	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,385	4,563	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
107	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240559	2/18/2023	Heniff Transportation	560B	Frac tank	49-0265	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,600	3,288	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
108	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240563	2/18/2023	Schneider National	559F	Frac tank	28405	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,811	4,841	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
109	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240564	2/18/2023	Schneider National	586A	Frac tank	28782	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,884	5,519	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
110	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240568	2/18/2023	Schneider National	256100	Frac tank	28378	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,493	4,628	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
111	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240569	2/18/2023	Schneider National	508C	Frac tank	25693	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,199	4,010	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
112	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240573	2/18/2023	Heniff Transportation	530F	Frac tank	21-2014	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,805	4,635	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
113	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240574	2/18/2023	Heniff Transportation	530F	Frac tank	11-762	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,889	4,858	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
114	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240583	2/18/2023	Heniff Transportation	AL4216	Frac tank	01114	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,692	3,804	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
115	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240588	2/18/2023	Heniff Transportation	560B	Frac tank	49-0477	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,472	3,315	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
116	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240589	2/18/2023	Heniff Transportation	560B	Frac tank	11-1055	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,499	4,508	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
117	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240590	2/18/2023	Heniff Transportation	566E	Frac tank	43838	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,594	4,630	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
118	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240592	2/18/2023	Heniff Transportation	566E	Frac tank	1585	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,691	3,636	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
119	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240593	2/18/2023	Heniff Transportation	566E	Frac tank	6197	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,101	4,932	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
120	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126920	2/19/2023	Quality Carriers	560F	Frac tank	LL703	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,962	3,736	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
121	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011487	2/19/2023	Quality Carriers	572A	Frac tank	11341	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,225	5,207	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
122	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240503	2/19/2023	Action Resources	560F	Frac tank	SIR0080	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,626	4,719	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
123	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240518	2/19/2023	Heniff Transportation	560B	Frac tank	41-910	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,889	4,860	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
124	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240519	2/19/2023	Heniff Transportation	AL5679	Frac tank	7-79	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,566	4,637	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
125	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240520	2/19/2023	Heniff Transportation	5608	Frac tank	43432	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,641	4,885	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
126	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240524	2/19/2023	Heniff Transportation	AL5679/ AL4944	Frac tank	21-3405	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,020	4,170	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
127	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240560	2/19/2023	Heniff Transportation	560F	Frac tank	11-1086	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,829	4,733	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
128	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240561	2/19/2023	Schneider National	507F	Frac tank	21431	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,963	4,177	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
129	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240575	2/19/2023	Heniff Transportation	AL5679	Frac tank	11-296	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,028	5,035	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
130	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240576	2/19/2023	Heniff Transportation	AL4944	Frac tank	1981	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,028	4,321	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
131	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240577	2/19/2023	Heniff Transportation	AL4944	Frac tank	11-654	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	3,888	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
132	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240578	2/19/2023	Heniff Transportation	537A	Frac tank	11-603	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	3,859	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
133	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240587	2/19/2023	Heniff Transportation	571B	Frac tank	7027	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,896	4,386	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
134	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240591	2/19/2023	Heniff Transportation	AL4944	Frac tank	43237	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,010	5,134	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
135	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240597	2/19/2023	Heniff Transportation	507F	Frac tank	8020	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,902	4,447	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
136	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240608	2/19/2023	Kuhnle Brothers	537A	Frac tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,967	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
137	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240617	2/19/2023	Kuhnle Brothers	572A	Frac tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,784	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
138	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240661	2/19/2023	Heniff Transportation	507F	Frac tank	CC7025	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,116	5,300	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
139	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240662	2/19/2023	Heniff Transportation	537A	Frac tank	2992	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,050	4,983	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
140	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126927	2/20/2023	Quality Carriers	AL4787	Frac tank	703119	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,273	5,189	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
141	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126928	2/20/2023	Quality Carriers	AL4787	Frac tank	C1531	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,444	4,623	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
142	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011442	2/20/2023	Quality Carriers	593D	Frac tank	701812	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,657	4,332	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
143	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011443	2/20/2023	Quality Carriers	593D	Frac tank	67188	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,991	4,273	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
144	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011444	2/20/2023	Quality Carriers	593D	Frac tank	701584	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,028	5,036	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
145	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011445	2/20/2023	Quality Carriers	572A	Frac tank	703021	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	4,762	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
146	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240505	2/20/2023	Action Resources	AL5484	Frac tank	749062	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,200	5,038	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
147	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240570	2/20/2023	Schneider National	AL4787	Frac tank	25731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,888	4,249	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
148	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240600	2/20/2023	Heniff Transportation	593D/AL 4710	Frac tank	4987	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,968	5,069	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
149	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240615	2/20/2023	Kuhnle Brothers	AL5645	Frac tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,612	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
150	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240616	2/20/2023	Kuhnle Brothers	566B/AL 5645	Frac tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	5,009	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
151	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240646	2/20/2023	Quality Carriers	AL4710	Frac tank	5167	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,028	4,567	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
152	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240647	2/20/2023	Quality Carriers	AL4710	Frac tank	70682	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,573	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
153	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240648	2/20/2023	Quality Carriers	AL4710	Frac tank	703405	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,078	4,901	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
154	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240654	2/20/2023	Heniff Transportation	AL4787	Frac tank	5759	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,090	5,026	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
155	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240663	2/20/2023	Heniff Transportation	571B	Frac tank	CC70145	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,093	5,198	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
156	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240664	2/20/2023	Heniff Transportation	257271	Frac tank	11-1295	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,897	4,909	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
157	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240673	2/20/2023	Kuhnle Brothers	566B	Frac tank	746	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
158	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240674	2/20/2023	Kuhnle Brothers	251650	Frac tank	1007	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,094	5094	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
159	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240675	2/20/2023	Kuhnle Brothers	251650/ 511A	Frac tank	731	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,193	5193	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
160	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240676	2/20/2023	Kuhnle Brothers	251650	Frac tank		Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
161	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240677	2/20/2023	Kuhnle Brothers	AL5645/ 251656	Frac tank	1268	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,016	5016	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
162	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240678	2/20/2023	Kuhnle Brothers	AL5645	Frac tank	1221	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,800	4800	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
163	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240680	2/20/2023	Kuhnle Brothers	AL5645	Frac tank	1215	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
164	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240681	2/20/2023	Kuhnle Brothers	566B	Frac tank	1212	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,600	4600	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
165	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240682	2/20/2023	Kuhnle Brothers	566B	Frac tank	1209	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
166	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240689	2/20/2023	Kuhnle Brothers	553A	Frac tank	Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,931	4931	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
167	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240690	2/20/2023	Kuhnle Brothers	1/553A/ P	Frac tank	Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,548	4548	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
168	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240691	2/20/2023	Heniff Transportation	271/ Pend	Frac tank	Pending	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,950	4950	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
169	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240692	2/20/2023	Kuhnle Brothers	57271/ P	Frac tank	Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,964	4964	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
170	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240701	2/20/2023	Schneider National	574B	Frac tank	25691	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,510	5,080	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
171	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240777	2/20/2023	Heniff Transportation	511A	Frac tank	NA-02	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,125	4,740	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
172	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240778	2/20/2023	Kuhnle Brothers	511A	Frac tank	520	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,028	5028	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
173	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240613	2/21/2023	Kuhnle Brothers	256169	Frac tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,767	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
174	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240614	2/21/2023	Kuhnle Brothers	558F	Frac tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,619	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
175	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240671	2/21/2023	Heniff Transportation	553A	Frac tank	CC7076	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,454	4,553	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
176	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240672	2/21/2023	Heniff Transportation	553A	Frac tank	21-3691	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,893	4,347	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
177	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240683	2/21/2023	Kuhnle Brothers	553A	Frac tank	1212	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,957	4957	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
178	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240684	2/21/2023	Kuhnle Brothers	514D	Frac tank	746	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,942	4942	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
179	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240738	2/21/2023	Heniff Transportation	574B/531A	Frac tank	41-3887 (112995)	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,150	4,145	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
180	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240739	2/21/2023	Heniff Transportation	531A	Frac tank	41-3731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,165	4,015	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
181	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240740	2/21/2023	Heniff Transportation	531A	Frac tank	11-462	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,070	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
182	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240741	2/21/2023	Heniff Transportation	531A	Frac tank	DM20	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,099	4,018	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
183	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240759	2/21/2023	Heniff Transportation	574B	Frac tank	3RG23138	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,155	5,067	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
184	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240760	2/21/2023	Heniff Transportation	531A/AL4735	Frac tank	1779	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,093	4,020	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
185	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240761	2/21/2023	Heniff Transportation	256169	Frac tank	1093	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,855	4,943	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
186	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240762	2/21/2023	Heniff Transportation	AL4735	Frac tank	LT-1797	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,147	4,827	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
187	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240763	2/21/2023	Heniff Transportation	257516	Frac tank	1392	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,152	5,198	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
188	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240764	2/21/2023	Heniff Transportation	AL4735	Frac tank	3RG23147	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,374	4,634	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
189	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240796	2/21/2023	Kuhnle Brothers	586A	Frac tank	1429 - Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,062	5062	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
190	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240797	2/21/2023	Kuhnle Brothers	257516	Frac tank	731	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,134	5134	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
191	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240798	2/21/2023	Kuhnle Brothers	251543	Frac tank	1209	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
192	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240799	2/21/2023	Kuhnle Brothers	251543	Frac tank	771	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
193	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240800	2/21/2023	Kuhnle Brothers	251543	Frac tank	Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,300	5300	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
194	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240801	2/21/2023	Kuhnle Brothers	256169	Frac tank	Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,094	5094	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
195	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240802	2/21/2023	Kuhnle Brothers	558F	Frac tank	Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,028	5,028	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
196	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240803	2/21/2023	Kuhnle Brothers	558F	Frac tank	Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,069	5069	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
197	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240804	2/21/2023	Kuhnle Brothers	558F	Frac tank	1221	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
198	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240805	2/21/2023	Kuhnle Brothers	511A	Frac tank	1215	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,500	4500	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
199	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240807	2/21/2023	Kuhnle Brothers	511A	Frac tank	871	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
200	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240814	2/21/2023	Action Resources	257516	Frac tank	SIR0092	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,760	5,722	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
201	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011438	2/22/2023	Robbie D Wood	560B/AL4944	Frac Tank	LT-2206	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,155	5,095	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
202	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240873	2/22/2023	Kuhnle Brothers	AL4216	Frac tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,065	4,275	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
203	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240506	2/22/2023	Action Resources	251871	Frac tank	749010	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,522	4,976	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
204	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240526	2/22/2023	Heniff Transportation	251002	Frac tank	21-1875	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,030	5,057	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
205	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240598	2/22/2023	Heniff Transportation	257390	Frac tank	1837	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,020	4,934	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
206	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240609	2/22/2023	Kuhnle Brothers	553B	Frac tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,058	4,503	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
207	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240612	2/22/2023	Kuhnle Brothers	514D/553B	Frac tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	4,967	4,449	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
208	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240645	2/22/2023	Quality Carriers	586A	Frac tank	TB53	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,160	4,434	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
209	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240685	2/22/2023	Kuhnle Brothers	514D	Frac tank	1364 - Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4886	4886	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
210	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240687	2/22/2023	Kuhnle Brothers	553B	Frac tank	851	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,402	5402	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
211	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240688	2/22/2023	Kuhnle Brothers	514D	Frac tank	1212	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,957	4957	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
212	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240693	2/22/2023	Schneider National	507F	Frac tank	21479	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,124	4,331	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
213	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240694	2/22/2023	Schneider National	251871	Frac tank	29012	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,524	5,152	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
214	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240735	2/22/2023	Quality Carriers	251688/251782	Frac tank	703262	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,147	5,247	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
215	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240736	2/22/2023	Quality Carriers	257761	Frac tank	703159	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,079	4,287	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
216	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240737	2/22/2023	Quality Carriers	257761	Frac tank	702815	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,523	4,947	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
217	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240766	2/22/2023	Heniff Transportation	257761	Frac tank	11143	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	4,976	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
218	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240767	2/22/2023	Heniff Transportation	251688	Frac tank	11295	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,500	4,781	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
219	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240768	2/22/2023	Heniff Transportation	266384	Frac tank	1327	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,995	4,491	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
220	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240775	2/22/2023	Heniff Transportation	AL4944	Frac tank	70225	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,150	4,071	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
221	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240776	2/22/2023	Heniff Transportation	560B	Frac Tank	43208	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,179	4,928	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
222	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240779	2/22/2023	Kuhnle Brothers	252651	Frac tank	420 - Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
223	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240780	2/22/2023	Kuhnle Brothers	251871	Frac tank	771	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
224	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240784	2/22/2023	Kuhnle Brothers	257390/586A	Frac tank	1029	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,062	5062	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
225	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240793	2/22/2023	Kuhnle Brothers	251782	Frac tank	871	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
226	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240794	2/22/2023	Kuhnle Brothers	257761	Frac tank	1195	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
227	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240795	2/22/2023	Kuhnle Brothers	266384	Frac tank	Pending	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
228	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240812	2/22/2023	Robbie D Wood	257390	Frac tank	LT2211	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,027	5,052	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
229	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240813	2/22/2023	Robbie D Wood	252651	Frac tank	7656	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,522	4,817	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
230	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240817	2/22/2023	Action Resources	586A/251002	Frac tank	SIR0087	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	4,911	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
231	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240819	2/22/2023	Action Resources	252651	Frac tank	SIR0056	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,538	4,834	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
232	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240820	2/22/2023	Kuhnle Brothers	553B	Frac tank	746	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,179	5179	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
233	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240858	2/22/2023	Kuhnle Brothers	AL4216	Frac tank	1215	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,957	4957	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
234	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240859	2/22/2023	Kuhnle Brothers	AL4216	Frac tank	926	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,477	4477	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
235	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240860	2/22/2023	Kuhnle Brothers	251782	Frac tank	1209	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	5,461	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
236	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240862	2/22/2023	Kuhnle Brothers	553B/502D	Frac Tank	863	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,135	4,993	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
237	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240765	2/22/2023	Heniff Transportation	586A	Frac tank	CC7060	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,102	4,923	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
238	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	012702384	2/23/2023	SJ Transportation	251002/251478	Frac tank	TV-215	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,033	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
239	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126925	2/23/2023	Quality Carriers	251478	Frac tank	215	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,273	5,135	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
240	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126926	2/23/2023	Quality Carriers	532A	Frac tank	702418	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,022	4,153	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
241	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011488	2/23/2023	Quality Carriers	532A	Frac tank	703029	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,034	4,185	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
242	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240504	2/23/2023	Action Resources	578D	Frac tank	CU12105	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,008	4,954	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
243	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240525	2/23/2023	Heniff Transportation	513A	Frac tank	8000	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,487	4,382	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
244	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240601	2/23/2023	Robbie D Wood	251060/574D	Frac tank	7979	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,274	5,309	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
245	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240610	2/23/2023	Kuhnle Brothers	256169	Frac tank	1209	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	5,449	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
246	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240611	2/23/2023	Kuhnle Brothers	256169	Frac tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,876	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
247	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240619	2/23/2023	Quality Carriers	257225	Frac tank	702711	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,014	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
248	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240635	2/23/2023	Quality Carriers	251091	Frac tank	CH7922	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,095	5,020	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
249	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240642	2/23/2023	Quality Carriers	501F	Frac tank	702997	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,122	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
250	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240643	2/23/2023	Quality Carriers	251026	Frac tank	5157	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,060	4973	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
251	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240644	2/23/2023	Quality Carriers	251079/501F	Frac tank	70541	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	3,986	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
252	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240655	2/23/2023	Heniff Transportation	AL4754	Frac tank	5238	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,028	5,237	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
253	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240660	2/23/2023	Heniff Transportation	574D	Frac tank	49-0477	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,220	5119	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
254	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240665	2/23/2023	Heniff Transportation	257516	Frac tank	43236	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,010	4,537	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
255	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240666	2/23/2023	Heniff Transportation	502D	Frac tank	LT-2119	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,026	4,712	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
256	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240667	2/23/2023	Heniff Transportation	593D	Frac tank	11-1389	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,398	4,401	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
257	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240668	2/23/2023	Heniff Transportation	251650	Frac tank	1813	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,012	5,133	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
258	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240669	2/23/2023	Heniff Transportation	AL5645	Frac tank	3134	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	3,984	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
259	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240670	2/23/2023	Heniff Transportation	511A/251650	Frac tank	6197	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,047	5,172	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
260	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240702	2/23/2023	Schneider National	521B	Frac tank	25618	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,001	4,271	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
261	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240703	2/23/2023	Schneider National	511A	Frac tank	21444	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,003	4,348	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
262	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240707	2/23/2023	Schneider National	532A	Frac tank	21915	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,002	4,022	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
263	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240708	2/23/2023	Quality Carriers	251633	Frac tank	70704	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,064	4,295	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
264	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240709	2/23/2023	Quality Carriers	251079/251091	Frac tank	66104	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,112	4,873	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
265	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240710	2/23/2023	Quality Carriers	257516/511A	Frac tank	701867	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,026	4,971	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
266	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240734	2/23/2023	Quality Carriers	AL4787/AL5645	Frac tank	CH8203	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	5,272	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
267	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240742	2/23/2023	Heniff Transportation	251683/251633	Frac tank	1590	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,004	4,697	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
268	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240743	2/23/2023	Heniff Transportation	257204	Frac tank	43847	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,012	4,863	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
269	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240744	2/23/2023	Heniff Transportation	558F	Frac tank	01137	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,058	3,940	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
270	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240745	2/23/2023	Heniff Transportation	558F	Frac tank	11-1198	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,064	4,908	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
271	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240746	2/23/2023	Heniff Transportation	558F	Frac tank	21-3927	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,300	4,894	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
272	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240747	2/23/2023	Heniff Transportation	252007/266265	Frac tank	41-3269	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,125	3,969	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
273	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240748	2/23/2023	Heniff Transportation	251688	Frac tank	41-3263	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,150	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
274	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240749	2/23/2023	Heniff Transportation	251688	Frac tank	21-1839	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	3,775	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
275	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240750	2/23/2023	Heniff Transportation	251026	Frac tank	2992	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,050	5,160	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
276	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240751	2/23/2023	Heniff Transportation	AL4755	Frac tank	1906	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,020	5,842	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
277	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240752	2/23/2023	Heniff Transportation	AL4754/AL4755	Frac tank	11727 (V13671)	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,499	5,028	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
278	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240753	2/23/2023	Heniff Transportation	AL4754	Frac tank	70251R	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,014	4,988	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
279	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240754	2/23/2023	Heniff Transportation	251079	Frac tank	CC-70146	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,071	4,142	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
280	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240755	2/23/2023	Heniff Transportation	251091	Frac tank	11-270	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,120	4,988	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
281	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240756	2/23/2023	Heniff Transportation	AL4754	Frac tank	21-3937	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,054	4,103	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
282	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240757	2/23/2023	Heniff Transportation	521B	Frac tank	21-3867	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,022	4,263	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
283	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240758	2/23/2023	Heniff Transportation	532A	Frac tank	21-2138	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,032	3,446	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
284	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240769	2/23/2023	Heniff Transportation	251478/251321	Frac tank	41-3468	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,200	5,135	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
285	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240770	2/23/2023	Heniff Transportation	251321	Frac tank	43838	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,060	5,191	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
286	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240771	2/23/2023	Heniff Transportation	251683	Frac tank	11-1401	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,059	4,996	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
287	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240781	2/23/2023	Kuhnle Brothers	257225	Frac tank	1195	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
288	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240782	2/23/2023	Kuhnle Brothers	257204	Frac tank	871	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
289	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240783	2/23/2023	Kuhnle Brothers	252007	Frac tank	1215	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
290	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240785	2/23/2023	Kuhnle Brothers	AL4754	Frac tank	520	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,038	5038	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
291	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240786	2/23/2023	Kuhnle Brothers	AL4755/251026	Frac tank	851	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,400	5400	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
292	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240787	2/23/2023	Kuhnle Brothers	501F/252007	Frac tank	1007	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,094	5094	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
293	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240788	2/23/2023	Kuhnle Brothers	501F	Frac tank	1212	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
294	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240789	2/23/2023	Kuhnle Brothers	251688	Frac tank	746	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
295	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240790	2/23/2023	Kuhnle Brothers	251091	Frac tank	926	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,400	4400	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
296	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240815	2/23/2023	Action Resources	593D	Frac tank	R754	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,281	5,358	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
297	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240846	2/23/2023	Kuhnle Brothers	251650	Frac tank	843	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,014	5014	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
298	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240847	2/23/2023	Kuhnle Brothers	251650/AL5645	Frac tank	1029	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,062	5062	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
299	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240848	2/23/2023	Kuhnle Brothers	578D/514D	Frac tank	771	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,845	4845	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
300	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240851	2/23/2023	Kuhnle Brothers	578D	Frac tank	1268	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,636	4636	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
301	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240864	2/23/2023	Kuhnle Brothers	593D	Frac tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,969	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
302	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240881	2/23/2023	SJ Transportation	532A/521B	Frac tank	TV-232	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,522	4,500	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
303	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240886	2/23/2023	SJ Transportation	251321/251683	Frac tank	TV-246	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,029	4,702	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
304	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240891	2/23/2023	SJ Transportation	502D/578D	Frac tank	TV-226	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,856	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
305	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240920	2/23/2023	Kuhnle Brothers	251060	Frac tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,065	4,901	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
306	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240921	2/23/2023	Kuhnle Brothers	257516	Frac tank	731	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,139	5139	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
307	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240922	2/23/2023	Kuhnle Brothers	257204	Frac tank	912	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,003	5003	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
308	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240923	2/23/2023	Kuhnle Brothers	257204	Frac tank	542	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
309	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240924	2/23/2023	Kuhnle Brothers	558F	Frac tank	1221	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
310	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240950	2/23/2023	Kuhnle Brothers	251543	Frac tank	1213	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
311	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240951	2/23/2023	Kuhnle Brothers	257225	Frac tank	863	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,014	5014	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
312	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240656	2/24/2023	Heniff Transportation	586A	Frac tank	4712	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,968	4,875	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
313	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240657	2/24/2023	Heniff Transportation	251788	Frac tank	11-490	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,225	3,995	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
314	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240658	2/24/2023	Heniff Transportation	586A	Frac tank	43796	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,187	4,724	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
315	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240659	2/24/2023	Heniff Transportation	AL4787	Frac tank	11-1090	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,112	4,979	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
316	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240731	2/24/2023	Quality Carriers	586A/257390	Frac tank	701584	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,977	3,925	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
317	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240732	2/24/2023	Quality Carriers	586A	Frac tank	LL703	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,041	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
318	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240733	2/24/2023	Quality Carriers	AL4787/251362	Frac tank	702534	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,276	4,486	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
319	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240772	2/24/2023	Heniff Transportation	251788	Frac tank	1981	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,250	4,505	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
320	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240853	2/24/2023	Kuhnle Brothers	257393	Frac Tank	520	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	5000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
321	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240854	2/24/2023	Kuhnle Brothers	AL-470	Frac Tank	1007	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,009	5009	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
322	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240918	2/24/2023	Kuhnle Brothers	251362	Frac tank	870	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	4,954	4954	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
323	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240965	2/24/2023	Schneider National	257925	Frac Tank	21944	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,002	4,088	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
324	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240970	2/24/2023	Action Resources	257390	Frac tank	749036	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,846	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
325	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240988	2/24/2023	Quality Carriers	257925/AL4710	Frac Tank	7067	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	5,201	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
326	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240989	2/24/2023	Quality Carriers	AL4710	Frac Tank	703036	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,299	5,511	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
327	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240990	2/24/2023	Quality Carriers	251632	Frac tank	67188	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,233	4,348	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
328	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240991	2/24/2023	Quality Carriers	251632	Frac tank	SL 701	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,156	5,236	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
329	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240992	2/24/2023	Quality Carriers	257393	Frac tank	702105	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,275	4,541	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
330	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252001	2/24/2023	Heniff Transportation	251632	Frac tank	21-1755	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,280	4,536	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
331	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252002	2/24/2023	Heniff Transportation	257390/257925	Frac Tank	43829	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,006	4,765	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
332	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252003	2/24/2023	Heniff Transportation	AL4710	Frac Tank	41-3463	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,249	4,479	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
333	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252004	2/24/2023	Heniff Transportation	AL4710	Frac Tank	49-0227	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,200	4,300	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
334	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252037	2/24/2023	Heniff Transportation	AL4710	Frac Tank	LT-1591	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,002	5,362	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
335	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252038	2/24/2023	Heniff Transportation	AL4710	Frac Tank	43265	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,159	4,240	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
336	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252040	2/24/2023	Heniff Transportation		Frac Tank	589	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,127	4,945	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
337	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252057	2/24/2023	Heniff Transportation	AL4710	Frac Tank	41-3952	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,150	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
338	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252059	2/24/2023	Heniff Transportation	251632	Frac Tank	21-1920	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,551	4,514	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
339	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240987	2/25/2023	Quality Carriers	252656	Frac tank	703454	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,147	5,253	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
340	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252060	2/25/2023	Heniff Transportation	251362	Frac tank	11-654	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,192	5,014	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
341	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252061	2/25/2023	Heniff Transportation	251362	Frac tank	1730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,188	4,705	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
342	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252062	2/25/2023	Heniff Transportation	252656/559B	Frac tank	11-358	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,570	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
343	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240865	2/26/2023	Kuhnle Brothers	251362	Frac tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	3,258	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
344	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240866	2/26/2023	Kuhnle Brothers	251362	Frac tank	1008	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,200	5,231	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
345	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240867	2/26/2023	Kuhnle Brothers	251362	Frac tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	3,937	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
346	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240868	2/26/2023	Kuhnle Brothers	251362/AL4787	Frac tank	731	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,200	4,939	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
347	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240869	2/27/2023	Kuhnle Brothers	AL4787	Frac tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,865	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
348	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240870	2/27/2023	Kuhnle Brothers	AL4787	Frac tank	1008	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,225	5,225	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
349	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240871	2/27/2023	Kuhnle Brothers	AL4710	Frac tank	731	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,200	5,066	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
350	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240872	2/27/2023	Kuhnle Brothers	AL4710	Frac tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	5,005	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
351	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252085	2/28/2023	Kuhnle Brothers	1268	Frac tank	548A	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,201	5,201	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
352	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252086	2/28/2023	Kuhnle Brothers	548A	Frac tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	5,103	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
353	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252087	2/28/2023	Kuhnle Brothers	548A	Frac tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	5,000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
354	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252088	2/28/2023	Kuhnle Brothers	548A	Frac tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,200	5,200	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
355	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240711	2/28/2023	Quality Carriers	AL4787	Frac tank	702361	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,150	5,173	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
356	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240887	2/28/2023	SJ Transportation	AL4787	Frac tank	TV-214	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	5,050	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
357	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252081	2/28/2023	Kuhnle Brothers	AL4787	Frac tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,200	5,200	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
358	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252082	2/28/2023	Kuhnle Brothers	548A	Frac tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,050	5,050	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
359	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252083	2/28/2023	Kuhnle Brothers	AL4710	Frac tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,957	4,957	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
360	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252084	2/28/2023	Kuhnle Brothers	AL4710	Frac tank	1215	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,050	5,050	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
361	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252090	2/28/2023	Kuhnle Brothers	AL5484	Frac tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,056	5,056	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
362	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252091	2/28/2023	Kuhnle Brothers	AL4787	Frac tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,056	5,056	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
363	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252092	2/28/2023	Kuhnle Brothers	AL5484	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,999	4,999	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
364	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252093	2/28/2023	Kuhnle Brothers	AL4787	Frac tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,053	5,053	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
365	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252094	2/28/2023	Kuhnle Brothers	AL4787	Frac tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,178	5,178	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
366	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252095	2/28/2023	Kuhnle Brothers	AL4787/ AL4710	Frac tank	647	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	5,094	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
367	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252096	2/28/2023	Kuhnle Brothers	AL5484	Frac tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,050	5,050	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
368	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252100	2/28/2023	Heniff Transportation	AL5484	Frac tank	1779	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,039	4,913	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
369	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252101	2/28/2023	Heniff Transportation	AL5484/ AL4787	Frac Tank	802D	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,032	4,827	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
370	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252102	2/28/2023	Heniff Transportation	AL4787/ AL5484	Frac tank	DM20	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,099	5,099	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
371	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252104	2/28/2023	Heniff Transportation	526F	Frac Tank	1137	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	5,000	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
372	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252119	2/28/2023	Heniff Transportation	548A	Frac Tank	7027	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,200	4,690	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
373	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252131	2/28/2023	Enviroserve	AL4710	Frac Tank	S3364	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	3,944	3,944	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
374	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252132	2/28/2023	Enviroserve	AL4787	Frac Tank	25-418	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,052	4,052	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
375	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252134	2/28/2023	Kuhnle Brothers	548A	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,824	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
376	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252135	2/28/2023	Kuhnle Brothers	548A	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,977	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
377	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252136	2/28/2023	Kuhnle Brothers	548A	Frac Tank	731	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,201	5,093	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
378	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252137	2/28/2023	Kuhnle Brothers	AL5484	Frac tank	1008	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,200	5,217	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
379	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252186	2/28/2023	Kuhnle Brothers	AL4787	Frac tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,178	4,975	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
380	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252191	2/28/2023	Kuhnle Brothers	548A	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,107	5,107	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
381	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252234	2/28/2023	Kuhnle Brothers	AL4787	Frac tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,056	5,056	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
382	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011489	3/1/2023	Quality Carriers	AL4787	Frac Tank	820224	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,637	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
383	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011490	3/1/2023	Quality Carriers	AL5484	Frac Tank	4615	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,521	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
384	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240620	3/1/2023	Quality Carriers	AL4787	Frac Tank	700606	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,977	4,977	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
385	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240621	3/1/2023	Quality Carriers	251026	Frac Tank	702192	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,200	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
386	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240622	3/1/2023	Quality Carriers	AL4755	Frac Tank	702130	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
387	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240623	3/1/2023	Quality Carriers	521B	Frac Tank	11341	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,692	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
388	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240624	3/1/2023	Quality Carriers	AL4771	Frac tank	70579	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,354	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
389	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240882	3/1/2023	SJ Transportation	574B	Frac Tank	PT-4007	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,178	5,188	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
390	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240884	3/1/2023	SJ Transportation	521B/5324	Frac Tank	TV-246	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,234	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
391	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240885	3/1/2023	SJ Transportation	AL4787	Frac tank	TV 226	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,872	5,012	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
392	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240888	3/1/2023	SJ Transportation	AL4787	Frac tank	TV 232	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,068	5,139	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
393	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240889	3/1/2023	SJ Transportation	AL4787	Frac tank	TV 215	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,872	5,392	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
394	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240953	3/1/2023	Kuhnle Brothers	AL4787	Frac Tank	1215	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,050	5,050	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
395	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240954	3/1/2023	Kuhnle Brothers	AL4710	Frac Tank	647	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
396	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240955	3/1/2023	Kuhnle Brothers	AL4710 / AL 5484	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
397	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240956	3/1/2023	Kuhnle Brothers	AL5484	Frac Tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,200	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
398	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240957	3/1/2023	Kuhnle Brothers	AL5484	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,065	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
399	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240958	3/1/2023	Kuhnle Brothers	AL5484	Frac tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,100	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
400	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240959	3/1/2023	Kuhnle Brothers	AL4710	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,039	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
401	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240960	3/1/2023	Kuhnle Brothers	AL8747	Frac tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,999	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
402	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252026	3/1/2023	Heniff Transportation	251056	Frac Tank	5588	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,250	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
403	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252027	3/1/2023	Heniff Transportation	521B	Frac Tank	CC70214	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,273	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
404	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252028	3/1/2023	Heniff Transportation	532A	Frac Tank	5604	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	5,050	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
405	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252033	3/1/2023	Heniff Transportation	AL4771	Frac tank	CC70143	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,304	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
406	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252035	3/1/2023	Heniff Transportation	AL4755	Frac Tank	43245	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,216	5,106	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
407	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252036	3/1/2023	Heniff Transportation	AL4755/251026	Frac Tank	2995	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,197	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
408	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252063	3/1/2023	Heniff Transportation	AL4787	Frac tank	413162	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,968	4,968	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
409	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252064	3/1/2023	Heniff Transportation	574B	Frac Tank	43232	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,129	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
410	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252236	3/1/2023	Kuhnle Brothers	AL4771	Frac tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
411	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252078	3/1/2023	Kuhnle Brothers	AL4787	Frac tank	529	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,046	5,046	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
412	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252079	3/1/2023	Kuhnle Brothers	AL4787	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	5,025	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
413	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252080	3/1/2023	Kuhnle Brothers	AL4787	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,013	5,013	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
414	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252103	3/1/2023	Heniff Transportation	AL4787/AL4710	Frac Tank	1582	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,058	5,058	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
415	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252105	3/1/2023	Heniff Transportation	AL5484/574B	Frac Tank	11-1295	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
416	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252124	3/1/2023	Enviroserve	AL4787/257362	Frac Tank	53364	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,940	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
417	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252133	3/1/2023	Enviroserve	AL4710	Frac Tank	25-418	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,139	4,139	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
418	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252138	3/1/2023	Kuhnle Brothers	AL4754	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,477	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
419	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252139	3/1/2023	Kuhnle Brothers	AL4710	Frac Tank	1008	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,180	5,790	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
420	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252140	3/1/2023	Kuhnle Brothers	521B	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,834	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
421	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252141	3/1/2023	Kuhnle Brothers	AL4787/251362	Frac Tank	731	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,201	5,450	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
422	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252142	3/1/2023	Kuhnle Brothers	AL4754	Frac Tank	542	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,102	4,605	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
423	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252143	3/1/2023	Kuhnle Brothers	AL4754	Frac Tank	843	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,105	4,539	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
424	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252144	3/1/2023	Kuhnle Brothers	AL4755	Frac Tank	1221	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	5,006	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
425	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252187	3/1/2023	Kuhnle Brothers	574B	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
426	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252188	3/1/2023	Kuhnle Brothers	251362	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,123	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
427	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252189	3/1/2023	Kuhnle Brothers	251362	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
428	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252192	3/1/2023	Kuhnle Brothers	AL4787/AL4710	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,891	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
429	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252193	3/1/2023	Kuhnle Brothers	AL4710/AL4787	Frac tank	879	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,800	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
430	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252194	3/1/2023	Kuhnle Brothers	AL4710	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,039	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
431	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252197	3/1/2023	Kuhnle Brothers	AL4787	Frac Tank	1204	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,800	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
432	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252198	3/1/2023	Kuhnle Brothers	AL5484	Frac tank	1215	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,050	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
433	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252233	3/1/2023	Kuhnle Brothers	AL4710	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,998	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
434	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252235	3/1/2023	Kuhnle Brothers	AL4771	Frac tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
435	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252232	3/2/2023	Kuhnle Brothers	501F	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,963	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
436	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252255	3/1/2023	Kuhnle Brothers	532A	Frac Tank	1229	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,200	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
437	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252256	3/1/2023	Kuhnle Brothers	532A	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
438	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252257	3/1/2023	Kuhnle Brothers	AL4755/ AL4754	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
439	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011437	3/2/2023	Robbie D Wood	531A	Frac Tank	SIRV118	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,141	<b>4,591</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
440	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240625	3/2/2023	Quality Carriers	251362	Frac Tank	703446	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
441	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240626	3/2/2023	Quality Carriers	265276/ 256094	Frac Tank	701992	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,275	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
442	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240630	3/2/2023	Quality Carriers	256094	Frac Tank	703493	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,273	<b>5,185</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
443	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240636	3/2/2023	Quality Carriers	251543	Frac Tank	1381	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,300	<b>5,458</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
444	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240637	3/2/2023	Quality Carriers	252007	Frac Tank	702743	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,401	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
445	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240638	3/2/2023	Quality Carriers	251543	Frac Tank	W75208	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,045	<b>5,134</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
446	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240639	3/2/2023	Quality Carriers	57400	Frac Tank	702400	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,276	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
447	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240640	3/2/2023	Quality Carriers	251079	Frac Tank	67775	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,285	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
448	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240641	3/2/2023	Quality Carriers	257400 / 251079	Frac Tank	702032	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
449	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240713	3/2/2023	Quality Carriers	AL4771/ 532A	Frac Tank	66117	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,983	<b>4,967</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
450	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240719	3/2/2023	Quality Carriers	AL4734/ AL4771	Frac Tank	701772	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,289	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
451	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240714	3/2/2023	Quality Carriers	5324	Frac Tank	702432	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
452	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240715	3/2/2023	Quality Carriers	AL4771/ AL4738	Frac Tank	701772	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,289	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
453	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240716	3/2/2023	Quality Carriers	266384	Frac Tank	702458	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,270	<b>5,245</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
454	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240717	3/2/2023	Quality Carriers	257390	Frac Tank	CH7030	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	<b>5,227</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
455	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240718	3/2/2023	Quality Carriers	521B	Frac Tank	KL613	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,014	<b>5,264</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
456	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240720	3/2/2023	Quality Carriers	AL4735/ 531A	Frac Tank	CH7067	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,153	<b>5,098</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
457	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240809	3/2/2023	Robbie D Wood	251091	Frac Tank	7741	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,522	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
458	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240810	3/2/2023	Robbie D Wood	265276	Frac Tank	7744	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	<b>5,062</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
459	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240811	3/2/2023	Robbie D Wood	532A	Frac Tank	LT2285	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
460	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240976	3/2/2023	Quality Carriers	AL5484	Frac Tank	702753	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
461	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252029	3/2/2023	Heniff Transportation	251362	Frac Tank	916296	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,994	<b>4,419</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
462	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252030	3/2/2023	Heniff Transportation	251362	Frac Tank	11-1225	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,398	4,337	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
463	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252065	3/2/2023	Heniff Transportation	AL4787	Frac Tank	1572	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,062	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
464	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252066	3/2/2023	Heniff Transportation	AL4787	Frac Tank	11-462	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,966	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
465	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252067	3/2/2023	Heniff Transportation	AL5484	Frac Tank	11-1085	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,984	4,798	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
466	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252068	3/2/2023	Heniff Transportation	AL5484	Frac Tank	3344	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,127	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
467	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252073	3/2/2023	Heniff Transportation	266384	Frac Tank	41-3792	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,250	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
468	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252074	3/2/2023	Heniff Transportation	266384	Frac Tank	5246	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,220	5,354	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
469	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252075	3/2/2023	Heniff Transportation	AL4771	Frac Tank	11-644	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,257	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
470	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252106	3/2/2023	Heniff Transportation	252007	Frac Tank	21-1839	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,215	4,125	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
471	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252107	3/2/2023	Heniff Transportation	251079 / 251091	Frac Tank	43214	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,304	5,629	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
472	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252108	3/2/2023	Heniff Transportation	251091	Frac tank	213927	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,393	5,524	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
473	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252109	3/2/2023	Heniff Transportation	256094	Frac Tank	21-3693	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
474	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252113	3/2/2023	Heniff Transportation	257400	Frac Tank	1863	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,237	5,644	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
475	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252114	3/2/2023	Heniff Transportation	501F / 257400	Frac Tank	11-733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,281	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
476	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252115	3/2/2023	Heniff Transportation	501B	Frac Tank	11938	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,268	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
477	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252116	3/2/2023	Heniff Transportation	501F	Frac Tank	211929	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,297	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
478	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252117	3/2/2023	Heniff Transportation	252007	Frac Tank	1755	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,050	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
479	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252118	3/2/2023	Heniff Transportation	252007	Frac Tank	211762	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,067	4,201	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
480	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252145	3/2/2023	Kuhnle Brothers	531A	Frac Tank	1008	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,140	4,772	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
481	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252146	3/2/2023	Kuhnle Brothers	513A	Frac Tank	731	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,779	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
482	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252147	3/2/2023	Kuhnle Brothers	513A	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	5,056	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
483	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252148	3/2/2023	Kuhnle Brothers	251079	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,963	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
484	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252190	3/2/2023	Kuhnle Brothers	AL4771	Frac Tank	647	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,190	4,152	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
485	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252199	3/2/2023	Kuhnle Brothers	251543	Frac Tank	529	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,500	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
486	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252253	3/2/2023	Kuhnle Brothers	257925	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,963	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
487	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252251	3/2/2023	Kuhnle Brothers	253085	Frac Tank	1215	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,050	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
488	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252252	3/2/2023	Kuhnle Brothers	253085	Frac Tank	17560	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
489	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252274	3/2/2023	Kuhnle Brothers	531A	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,217	5,304	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
490	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252254	3/2/2023	Kuhnle Brothers	257925	Frac Tank	647	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
491	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252263	3/2/2023	Kuhnle Brothers	257925	Frac tank	1217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
492	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252268	3/2/2023	Kuhnle Brothers	251091	Frac Tank	1215	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,050	<b>4,994</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
493	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252273	3/2/2023	Kuhnle Brothers	574B	Frac Tank	529	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,046	<b>4,743</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
494	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252343	3/2/2023	Heniff Transportation	251091/265276	Frac Tank	21-3840	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,273	<b>5,407</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
495	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252287	3/2/2023	Action Resources	PL4787	Frac Tank	TRI127	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,050	<b>5,181</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
496	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252288	3/2/2023	Action Resources	AL4738	Frac Tank	749038	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,270	<b>5,325</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
497	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252289	3/2/2023	Action Resources	251091/265276	Frac Tank	Sia 0087	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,273	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
498	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252292	3/2/2023	Action Resources	AL4738	Frac Tank	SIR0090	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
499	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252307	3/2/2023	Heniff Transportation	513A/AL4738	Frac Tank	43237	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,129	<b>5,253</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
500	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252308	3/2/2023	Heniff Transportation	AL4738	Frac Tank	LT1591	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,182	<b>5,196</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
501	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252309	3/2/2023	Heniff Transportation	5324	Frac Tank	CC70154	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,026	<b>5,126</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
502	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252310	3/2/2023	Heniff Transportation	532A	Frac Tank	7027UR	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
503	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252327	3/2/2023	Heniff Transportation	574B	Frac tank	43727	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,013	<b>4,777</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
504	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252328	3/2/2023	Heniff Transportation	257390	Frac Tank	01127	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,058	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
505	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252340	3/2/2023	Heniff Transportation	257390	Frac tank	41-3845	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
506	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252341	3/2/2023	Heniff Transportation	586A/257390	Frac tank	70145	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,950	<b>5,053</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
507	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252342	3/2/2023	Heniff Transportation	586A	Frac tank	4587	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,014	<b>4,918</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
508	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252077	3/1/2023	Kuhnle Brothers	AL4787	Frac tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	5,025	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
509	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252344	3/2/2023	Heniff Transportation	AL4735	Frac Tank	11-1253	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,155	<b>5,074</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
510	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240628	3/3/2023	Quality Carriers	251060	Frac Tank	702622	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
511	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240629	3/3/2023	Quality Carriers	574D	Frac Tank	CH7444	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,180	<b>5,007</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
512	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240712	3/3/2023	Quality Carriers	AC4735	Frac Tank	702611	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,150	<b>4,328</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
513	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240722	3/3/2023	Quality Carriers	AC4375	Frac Tank	702661	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
514	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240974	3/3/2023	Robbie D Wood	251633	Frac Tank	LT-2206	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,281	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
515	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240978	3/3/2023	Quality Carriers	532A	Frac Tank	CH8119	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	<b>4,987</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
516	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240979	3/3/2023	Quality Carriers	261683	Frac Tank	702586	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,144	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
517	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240980	3/3/2023	Quality Carriers	251478	Frac Tank	703449	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,273	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
518	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240985	3/3/2023	Quality Carriers	257204	Frac Tank	7241	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,240	<b>5,150</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
519	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240986	3/3/2023	Quality Carriers	251635	Frac Tank	702444	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,282	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
520	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252031	3/3/2023	Heniff Transportation	532A	Frac Tank	11-1032	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,035	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
521	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252069	3/3/2023	Heniff Transportation	251683	Frac Tank	5337	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,986	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
522	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252071	3/3/2023	Heniff Transportation	530A/A4754	Frac Tank	43808	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
523	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252072	3/3/2023	Heniff Transportation	251683	Frac Tank	11-686	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,225	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
524	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252110	3/3/2023	Heniff Transportation	251060	Frac Tank	3134	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,127	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
525	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252266	3/3/2023	Kuhnle Brothers	AL477/A4738	Frac Tank	995	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,018	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
526	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252275	3/3/2023	Kuhnle Brothers	251478	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,900	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
527	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252283	3/3/2023	Action Resources	574D/507E	Frac Tank	SIR0061	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
528	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252290	3/3/2023	Action Resources	574D	Frac Tank	749043	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,155	5,191	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
529	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252291	3/3/2023	Action Resources	507F	Frac Tank	749061	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,155	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
530	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252329	3/3/2023	Heniff Transportation	251633	Frac Tank	CC7030	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,182	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
531	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252330	3/3/2023	Heniff Transportation	251321	Frac Tank	43829	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,255	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
532	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252331	3/3/2023	Heniff Transportation	251321	Frac Tank	21-1752	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
533	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252332	3/3/2023	Heniff Transportation	251321	Frac Tank	11-295	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,220	5,318	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
534	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252333	3/3/2023	Heniff Transportation	257204	Frac Tank	11-160	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,200	4,909	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
535	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252334	3/3/2023	Heniff Transportation	304	Frac Tank	1361	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,207	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
536	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252335	3/3/2023	Heniff Transportation	251060	Frac Tank	2275	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,257	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
537	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252337	3/3/2023	Heniff Transportation	251478	Frac Tank	21-1875	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,277	5,224	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
538	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252338	3/3/2023	Heniff Transportation	521B	Frac Tank	LT-1348	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,108	5,064	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
539	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252339	3/3/2023	Heniff Transportation	521B	Frac Tank	LT-1238	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,068	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
540	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252345	3/3/2023	Heniff Transportation	A4735/256043	Frac Tank	1981/907097	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,273	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
541	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252346	3/3/2023	Heniff Transportation	256043	Frac Tank	4887	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,156	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
542	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252347	3/3/2023	Heniff Transportation	256043	Frac Tank	7025119	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,142	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
543	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252378	3/3/2023	Quality Carriers	AL4755	Frac Tank	702404	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,022	3,923	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
544	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252380	3/3/2023	Quality Carriers	251026	Frac Tank	703171	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,035	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
545	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252385	3/3/2023	Quality Carriers	AL4754	Frac Tank	CH7922	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,095	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
546	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252386	3/3/2023	Quality Carriers	532A	Frac Tank	701486	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,035	4,844	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
547	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252387	3/3/2023	Quality Carriers	521B	Frac Tank	67188	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,113	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
548	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252388	3/3/2023	Heniff Transportation	521B	Frac Tank	212138	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,093	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
549	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252389	3/3/2023	Heniff Transportation	AL4754	Frac Tank	702436	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,173	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
550	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252390	3/3/2023	Heniff Transportation	AL4755	Frac Tank	21-1748	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,067	<b>4,361</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
551	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252391	3/3/2023	Heniff Transportation	AL4755	Frac Tank	43796	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,064	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
552	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252392	3/3/2023	Heniff Transportation	AL4755	Frac Tank	11-654	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
553	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252394	3/3/2023	Heniff Transportation	251026	Frac Tank	41-3468	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,122	<b>4,003</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
554	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252423	3/3/2023	Heniff Transportation	AL4738	Frac Tank	11227	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,098	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
555	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252424	3/3/2023	Heniff Transportation	AL4771	Frac Tank	524	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	3,837	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
556	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252426	3/3/2023	Heniff Transportation	AL4771	Frac Tank	11-358	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,995	<b>4,805</b>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
557	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252427	3/3/2023	Heniff Transportation	251026/ AL4771	Frac Tank	11-1128	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
558	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240723	3/4/2023	Quality Carriers	572A	Frac Tank	702809	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,150	4,183	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
559	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240724	3/4/2023	Quality Carriers	572A/ 593D	Frac Tank	H7179	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,154	5,063	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
560	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240728	3/4/2023	Quality Carriers	566B	Frac Tank	702388	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,276	5,398	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
561	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252070	3/4/2023	Heniff Transportation	593D	Frac Tank	11-274	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,247	5,214	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
562	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252076	3/4/2023	Heniff Transportation	572A	Frac Tank	43771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,135	5,200	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
563	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252111	3/4/2023	Heniff Transportation	566B/57 2A	Frac Tank	00598	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,861	4,880	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
564	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252112	3/4/2023	Heniff Transportation	AL5645	Frac Tank	413019	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,360	4,152	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
565	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252182	3/4/2023	SJ Transportation	511 A	Frac Tank	TV226	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	3,978	3,693	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
566	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252224	3/4/2023	Kuhle Brothers	251362	Frac Tank	769	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
567	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252225	3/4/2023	Kuhle Brothers	251362	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
568	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252285	3/4/2023	Action Resources	507F	Frac Tank	SIR0005	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,147	5,187	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
569	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252286	3/4/2023	Action Resources	AL4771	Frac Tank	SIR0043	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,100	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
570	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252311	3/4/2023	Heniff Transportation	593D	Frac Tank	21-3691	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,150	4,608	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
571	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252312	3/4/2023	Heniff Transportation	593D	Frac Tank	1819	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,268	5,313	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
572	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252314	3/4/2023	Heniff Transportation	566B	Frac Tank	21-2017	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,297	4,613	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
573	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252316	3/4/2023	Heniff Transportation	LTI- 130/521 B	Frac Tank	11-952	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,030	4,882	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
574	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252317	3/4/2023	Heniff Transportation	507D/57 4D	Frac Tank	50044	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,155	5,182	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
575	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252319	3/4/2023	Heniff Transportation	AL4771/ LTI-130	Frac Tank	11-678	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,127	5,002	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
576	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252320	3/4/2023	Heniff Transportation	LTI-130	Frac Tank	21-1920	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,054	4,957	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
577	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252321	3/4/2023	Heniff Transportation	LTI-130	Frac Tank	3135	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,951	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
578	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252323	3/4/2023	Heniff Transportation	AL4771	Frac Tank	4892	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	5,050	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
579	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252324	3/4/2023	Heniff Transportation	AL4738	Frac Tank	41-3956	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,027	4,508	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
580	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252325	3/4/2023	Heniff Transportation	AL4738	Frac Tank	21-1747	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,067	4,044	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
581	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252326	3/4/2023	Heniff Transportation	AL4783	Frac Tank	1969	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,122	5,160	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
582	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252336	3/4/2023	Heniff Transportation	572A	Frac Tank	49-0477	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,125	4,002	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
583	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252349	3/4/2023	Quality Carriers	AL4783/ AL4771	Frac Tank	702805	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,022	4,248	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
584	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252357	3/4/2023	Quality Carriers	521B	Frac Tank	67126	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,900	4,226	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
585	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252358	3/4/2023	Quality Carriers	AL5465	Frac Tank	702737	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,268	4,271	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
586	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252363	3/4/2023	Quality Carriers	241650	Frac Tank	702105	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,149	4,556	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
587	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252376	3/4/2023	Quality Carriers	AL4754/ 25102G	Frac Tank	5563	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,048	4,973	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
588	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252377	3/4/2023	Quality Carriers	AL4754	Frac Tank	703502	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,040	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
589	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252395	3/4/2023	Heniff Transportation	521B	Frac Tank	CD08	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,033	4,150	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
590	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252396	3/4/2023	Heniff Transportation	521B	Frac Tank	21-1931	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,054	4,002	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
591	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252397	3/4/2023	Heniff Transportation	251362	Frac Tank	11-1090	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,112	4,935	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
592	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252411	3/4/2023	Heniff Transportation	513A	Frac Tank	11-1246	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,027	5,031	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
593	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252412	3/4/2023	Heniff Transportation	566384/ 513A	Frac Tank	2615	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,017	5,304	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
594	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252413	3/4/2023	Heniff Transportation	266384	Frac Tank	3356	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,926	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
595	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252414	3/4/2023	Heniff Transportation	521B/AL 4754	Frac Tank	1434	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,064	5,266	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
596	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252415	3/4/2023	Heniff Transportation	572A/50 7F	Frac Tank	CC70104	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,182	4,997	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
597	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252416	3/4/2023	Heniff Transportation	AL5465	Frac Tank	41-3663	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,500	4,546	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
598	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252417	3/4/2023	Heniff Transportation	AL5465	Frac Tank	61659	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	3,100	2,933	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
599	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252418	3/4/2023	Heniff Transportation	251650	Frac Tank	21-1716	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	5,026	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
600	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252419	3/4/2023	Heniff Transportation	511A	Frac Tank	1753	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,872	5,014	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
601	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252420	3/4/2023	Heniff Transportation	511A	Frac Tank	41-3990	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,204	5,258	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
602	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252421	3/4/2023	Heniff Transportation	507F	Frac Tank	11-1276	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,155	5,311	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
603	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252422	3/4/2023	Heniff Transportation	572A	Frac Tank	11-609	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,225	4,858	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
604	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252431	3/4/2023	Kuhle Brothers	251362/ AL4787	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
605	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252494	3/4/2023	Allom Transport	25102G	Frac Tank	T21501	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,026	4,865	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
606	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252495	3/4/2023	Action Resources	566B	Frac Tank	749006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	4,522	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
607	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252496	3/4/2023	Action Resources	266384	Frac Tank	SIR0098	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,035	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
608	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252497	3/4/2023	Action Resources	LTI-130	Frac Tank	SIR0087	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,084	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
609	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253532	3/4/2023	Action Resources	251650	Frac Tank	749035	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,281	4,985	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
610	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253533	3/4/2023	Action Resources	513A	Frac Tank	749a2	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	4,954	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
611	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126936	3/5/2023	SJ Transportation	AL-5484	Frac Tank	TV-232	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	4,798	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
612	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240631	3/5/2023	Quality Carriers	AL4787	Frac Tank	702495	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,150	4,325	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
613	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240632	3/5/2023	Quality Carriers	AL4710	Frac Tank	701580	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,106	3,966	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
614	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240726	3/5/2023	Quality Carriers	256043	Frac Tank	703113	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,889	4,964	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
615	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252149	3/5/2023	Kuhnle Brothers	532A	Frac Tank	771	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
616	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252150	3/5/2023	Kuhnle Brothers	AL4735	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
617	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252151	3/5/2023	Kuhnle Brothers	521B	Frac Tank	1008	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,100	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
618	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252152	3/5/2023	Kuhnle Brothers	256043	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
619	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252153	3/5/2023	Kuhnle Brothers	532A	Frac Tank	731	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,200	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
620	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252227	3/5/2023	Kuhnle Brothers	AL4710/ AL5484	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
621	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252228	3/5/2023	Kuhnle Brothers	AL5484/ 574B	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
622	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252229	3/5/2023	Kuhnle Brothers	574B	Frac Tank	768	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
623	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252230	3/5/2023	Kuhnle Brothers	574B	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
624	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252231	3/5/2023	Kuhnle Brothers	531A	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
625	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252351	3/5/2023	Quality Carriers	513A	Frac Tank	701865	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,028	3,887	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
626	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252398	3/5/2023	Heniff Transportation	531A	Frac Tank	8020	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,159	4,620	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
627	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252399	3/5/2023	Heniff Transportation	251788	Frac Tank	11-7708	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,066	4,469	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
628	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252432	3/5/2023	Kuhnle Brothers	AL4735	Frac Tank	1256043/497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
629	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252442	3/5/2023	Kuhnle Brothers	251788	Frac Tank	769	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
630	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252443	3/5/2023	Kuhnle Brothers	256043	Frac Tank	1008	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,200	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
631	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252445	3/5/2023	Kuhnle Brothers	513A	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
632	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252446	3/5/2023	Kuhnle Brothers	AL4738	Frac Tank	769	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
633	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252447	3/5/2023	Kuhnle Brothers	AL4738	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
634	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252448	3/5/2023	Kuhnle Brothers	AL4738 / AL4771	Frac Tank	768	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
635	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252449	3/5/2023	Kuhnle Brothers	AL4771/ 532A	Frac Tank	1008	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
636	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252450	3/5/2023	Kuhnle Brothers	521B	Frac Tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
637	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252451	3/5/2023	Kuhnle Brothers	AL4754	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,058	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
638	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252452	3/5/2023	Kuhnle Brothers	AL4735	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
639	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252461	3/5/2023	Kuhnle Brothers	531A	Frac Tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
640	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252463	3/5/2023	Kuhnle Brothers	266384/513A	Frac Tank	768	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
641	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252464	3/5/2023	Kuhnle Brothers	266384	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
642	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252465	3/5/2023	Kuhnle Brothers	266384	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,098	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
643	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253501	3/5/2023	Vickery Transportation	AL4710	Frac Tank	6423	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	4,832	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
644	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253502	3/5/2023	Vickery Transportation	531A	Frac Tank	LT1621	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,146	4,887	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
645	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253503	3/5/2023	Vickery Transportation	256043	Frac Tank	VT 708	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,889	4,784	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
646	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253504	3/5/2023	Vickery Transportation	AL4735	Frac Tank	7613	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,994	5,067	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
647	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253522	3/5/2023	Vickery Transportation	521B/AL4754	Frac Tank	BV704	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	5,012	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
648	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253557	3/5/2023	US Ecology Transportation	266240	Frac Tank	3080	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,400	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
649	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253570	3/5/2023	Heniff Transportation	513A	Frac Tank	HEC05	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,062	4,103	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
650	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253571	3/5/2023	Heniff Transportation	AL4738	Frac Tank	11-1198	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,026	5,090	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
651	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253572	3/5/2023	Heniff Transportation	AL4738	Frac Tank	589	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	3,797	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
652	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253573	3/5/2023	Heniff Transportation	AL4771	Frac Tank	11-785	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,987	3,652	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
653	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253574	3/5/2023	Heniff Transportation	AL4771	Frac Tank	41-2063	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,092	3,990	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
654	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253575	3/5/2023	Heniff Transportation	521B	Frac Tank	1582	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,058	5,225	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
655	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253581	3/5/2023	Heniff Transportation	532A/521B	Frac Tank	1779	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,093	3,905	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
656	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253582	3/5/2023	Heniff Transportation	532A	Frac Tank	8023	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,982	3,726	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
657	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253595	3/5/2023	Heniff Transportation	256043	Frac Tank	21-3937	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,885	4,871	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
658	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253597	3/5/2023	Heniff Transportation	251788/256043	Frac Tank	21-3851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,893	4,264	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
659	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252209	3/6/2023	Kuhnle Brothers	531A	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
660	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252210	3/6/2023	Kuhnle Brothers	574B	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,023	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
661	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252211	3/6/2023	Kuhnle Brothers	574B	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,005	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
662	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252213	3/6/2023	Kuhnle Brothers	251026	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
663	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252214	3/6/2023	Kuhnle Brothers	251026	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
664	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252220	3/6/2023	Kuhnle Brothers	251026/521B	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
665	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252221	3/6/2023	Kuhnle Brothers	251026	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
666	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252222	3/6/2023	Kuhnle Brothers	AL4755/251026	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,057	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
667	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252354	3/6/2023	Quality Carriers	AL5484	Frac Tank	703446	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,147	4,719	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
668	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252364	3/6/2023	Quality Carriers	AL4735	Frac Tank	703101	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	4,762	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
669	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252370	3/6/2023	Quality Carriers	574B	Frac Tank	702753	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,200	5,093	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
670	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252371	3/6/2023	Quality Carriers	521B	Frac Tank	65696	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,103	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
671	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252374	3/6/2023	Quality Carriers	521B	Frac Tank	MT7018	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,016	5,151	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
672	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252453	3/6/2023	Kuhnle Brothers	AL5484	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
673	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252454	3/6/2023	Kuhnle Brothers	AL5484	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
674	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252457	3/6/2023	Kuhnle Brothers	531A/AL5484	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
675	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252458	3/6/2023	Kuhnle Brothers	574B	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
676	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252460	3/6/2023	Kuhnle Brothers	531A	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
677	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252462	3/6/2023	Kuhnle Brothers	AL5735/531A	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
678	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253507	3/6/2023	Vickery Transportation	531A	Frac Tank	LT-888	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,100	5,091	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
679	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253508	3/6/2023	Vickery Transportation	574B	Frac Tank	7730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,148	4,815	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
680	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253524	3/6/2023	Vickery Transportation	531A	Frac Tank	63753	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,020	3,947	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
681	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253558	3/6/2023	Heniff Transportation	574B	Frac Tank	01137	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,182	3,593	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
682	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253559	3/6/2023	Heniff Transportation	531A	Frac Tank	11-879	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,968	5,044	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
683	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253560	3/6/2023	Heniff Transportation	AL4735/574B	Frac Tank	1327	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,949	5,192	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
684	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253561	3/6/2023	Heniff Transportation	574B/531A	Frac Tank	11-762	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,018	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
685	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253562	3/6/2023	Heniff Transportation	574B	Frac Tank	8008	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,986	4,661	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
686	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253563	3/6/2023	Heniff Transportation	574B	Frac Tank	4885	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	4,398	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
687	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253569	3/6/2023	Heniff Transportation	AL4755	Frac Tank	21-1965	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,054	4,793	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
688	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253624	3/6/2023	Heniff Transportation	AL4735/574B	Frac Tank	43232	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,010	5,081	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
689	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253625	3/6/2023	Heniff Transportation	AL4735	Frac Tank	43791	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,890	4,317	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
690	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253626	3/6/2023	Heniff Transportation	574B	Frac Tank	11-652	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,962	3,705	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
691	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253627	3/6/2023	Heniff Transportation	531A/574B	Frac Tank	DM26	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,086	4,046	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
692	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253630	3/6/2023	Robbie D Wood	AL4755	Frac Tank	7744	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,251	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
693	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253663	3/6/2023	Altom Transport	574B	Frac Tank	T21635	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,962	4,865	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
694	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252375	3/6/2023	Quality Carriers	AL4755	Frac Tank	67775	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,030	5,041	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
695	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252216	3/6/2023	Kuhnle Brothers	532A/AL4771	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
696	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252215	3/6/2023	Kuhnle Brothers	532A	Frac Tank	768	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
697	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253510	3/6/2023	Vickery Transportation	532A	Frac Tank	7421	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,055	3,637	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
698	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252219	3/6/2023	Kuhnle Brothers	532A	Frac Tank	769	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
699	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253568	3/6/2023	Heniff Transportation	521B/532A	Frac Tank	11-884	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,194	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
700	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253521	3/6/2023	Vickery Transportation	AL4754/AL4755	Frac Tank	7444	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,016	4,466	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
701	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252476	3/6/2023	Kuhnle Brothers	574B	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
702	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253564	3/6/2023	Heniff Transportation	AL4754	Frac Tank	43253	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,397	4,352	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
703	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252466	3/6/2023	Kuhnle Brothers	574B	Frac Tank	1008	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,961	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
704	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252212	3/6/2023	Kuhnle Brothers	AL4754	Frac Tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
705	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253530	3/6/2023	Vickery Transportation	574B	Frac Tank	63745	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,077	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
706	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252475	3/6/2023	Kuhnle Brothers	574B	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
707	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253529	3/6/2023	Vickery Transportation	AL4735	Frac Tank	05849	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,014	5,040	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
708	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252490	3/6/2023	Kuhnle Brothers	AL4771/AL4738	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
709	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252218	3/6/2023	Kuhnle Brothers	AL4771	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
710	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253567	3/6/2023	Heniff Transportation	AL4771	Frac Tank	11764	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,055	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
711	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252217	3/6/2023	Kuhnle Brothers	AL4738	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
712	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252158	3/6/2023	Kuhnle Brothers	AL4738	Frac Tank	771	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,065	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
713	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252489	3/6/2023	Kuhnle Brothers	AL4738/513A	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
714	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252369	3/6/2023	Quality Carriers	AL4735	Frac Tank	11341	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,962	4,399	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
715	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253525	3/6/2023	Vickery Transportation	AL4735	Frac Tank	KL751	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	5,048	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
716	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252157	3/6/2023	Kuhnle Brothers	513A/266384	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
717	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253511	3/6/2023	Vickery Transportation	513A	Frac Tank	7071	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
718	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253520	3/6/2023	Vickery Transportation	AL4738	Frac Tank	KL725	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	5,082	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
719	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253519	3/6/2023	Vickery Transportation	513A	Frac Tank	3069	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	4,755	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
720	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252155	3/6/2023	Kuhnle Brothers	AL4735	Frac Tank	1008	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,827	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
721	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252156	3/6/2023	Kuhnle Brothers	AL4735	Frac Tank	731	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,201	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
722	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252154	3/6/2023	Kuhnle Brothers	AL4735	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
723	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252365	3/6/2023	Quality Carriers	AL4735	Frac Tank	703454	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	4,599	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
724	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252459	3/6/2023	Kuhnle Brothers	531A	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
725	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252204	3/8/2023	Kuhnle Brothers	531A	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
726	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252486	3/7/2023	Kuhnle Brothers	574B/AL5484	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
727	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252485	3/7/2023	Kuhnle Brothers	AL5484	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,700	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
728	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252276	3/6/2023	Kuhnle Brothers	574B	Frac Tank	1217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
729	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252487	3/6/2023	Kuhnle Brothers	574B	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
730	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252488	3/6/2023	Kuhnle Brothers	AL4735/531A	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
731	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252184	3/6/2023	SJ Transportation	574B	Frac Tank	PT4007	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,178	5,019	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
732	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253565	3/6/2023	Heniff Transportation	531A	Frac Tank	41-3792	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,014	5,019	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
733	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253593	3/6/2023	Heniff Transportation	531A	Frac Tank	3RG23150	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,026	4,736	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
734	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240634	3/6/2023	Quality Carriers	531A	Frac Tank	720720	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,022	3,878	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
735	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240727	3/6/2023	Quality Carriers	531A/574B	Frac Tank	CH7913	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,014	5,201	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
736	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252368	3/8/2023	Quality Carriers	531A	Frac Tank	703171	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,148	4,705	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
737	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252250	3/7/2023	Kuhnle Brothers	AL5484	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
738	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252206	3/8/2023	Kuhnle Brothers	531A	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
739	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253599	3/8/2023	Heniff Transportation	531A	Frac Tank	43217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,116	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
740	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252205	3/8/2023	Kuhnle Brothers	531A	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
741	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252480	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
742	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252479	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
743	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252478	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
744	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253609	3/7/2023	Heniff Transportation	AL4735	Frac Tank	43698	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,951	3,996	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
745	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252477	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,039	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
746	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253684	3/7/2023	Quality Carriers	566E	Frac Tank	70579	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	3,895	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
747	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252237	3/7/2023	Kuhnle Brothers	566E	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
748	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253697	3/7/2023	Quality Carriers	566E	Frac Tank	702130	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,276	4,518	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
749	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253610	3/7/2023	Heniff Transportation	566E/538B	Frac Tank	11-776	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	4,531	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
750	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252238	3/7/2023	Kuhnle Brothers	538B	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
751	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252481	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
752	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252483	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
753	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252359	3/7/2023	Quality Carriers	AL4735	Frac Tank	702511	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,014	4,817	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
754	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253576	3/7/2023	Heniff Transportation	AL4735	Frac Tank	41-3199	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,971	3,523	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
755	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240633	3/7/2023	Quality Carriers	AL4735	Frac Tank	702192	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,747	4,734	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
756	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252484	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
757	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252246	3/7/2023	Kuhnle Brothers	538B/257728	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
758	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253685	3/7/2023	Quality Carriers	538B	Frac Tank	66164	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,102	5,004	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
759	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253566	3/7/2023	Heniff Transportation	251782	Frac Tank	21-2014	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,054	3,974	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
760	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253696	3/7/2023	Quality Carriers	257728/251782	Frac Tank	67188	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,113	4,193	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
761	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253686	3/7/2023	Quality Carriers	257728	Frac Tank	CH7030	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	5,062	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
762	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252159	3/7/2023	Kuhnle Brothers	257728	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
763	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252161	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	731	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,200	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
764	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252366	3/7/2023	Quality Carriers	AL4735	Frac Tank	65727	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,043	5,084	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
765	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252373	3/7/2023	Quality Carriers	AL4735	Frac Tank	4615	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,954	4,810	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
766	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253607	3/7/2023	Heniff Transportation	AL4735	Frac Tank	3RG23144	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,026	5,166	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
767	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252185	3/7/2023	SJ Transportation	253085/252007	Frac Tank	TV-246	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,029	4,517	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
768	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253577	3/7/2023	Heniff Transportation	253085	Frac Tank	LT-1591	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,002	4,429	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
769	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252455	3/7/2023	Kuhnle Brothers	253085	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
770	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252400	3/7/2023	Heniff Transportation	253085	Frac Tank	11-316	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	3,898	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
771	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252223	3/7/2023	Kuhnle Brothers	253085	Frac Tank	1217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,068	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
772	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253641	3/7/2023	SJ Transportation	257761	Frac Tank	TV-249	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	4,834	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
773	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253689	3/7/2023	Quality Carriers	257761	Frac Tank	702458	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,144	5,074	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
774	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253623	3/7/2023	Heniff Transportation	257761	Frac Tank	41-3204	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,062	3,871	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
775	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252163	3/7/2023	Kuhnle Brothers	251688	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
776	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253695	3/7/2023	Quality Carriers	251688	Frac Tank	703493	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,081	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
777	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253688	3/7/2023	Quality Carriers	251782/251688	Frac Tank	702400	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,022	4,046	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
778	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253644	3/7/2023	Robbie D Wood	251782	Frac Tank	SIRV149	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,012	4,764	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
779	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252244	3/7/2023	Kuhnle Brothers	251871	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
780	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252240	3/7/2023	Kuhnle Brothers	251871	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
781	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252239	3/7/2023	Kuhnle Brothers	257761	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
782	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252245	3/7/2023	Kuhnle Brothers	257761	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
783	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240729	3/7/2023	Quality Carriers	252007	Frac Tank	701682	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	4,302	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
784	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252456	3/7/2023	Kuhnle Brothers	252007	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,295	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
785	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253578	3/7/2023	Heniff Transportation	252007	Frac Tank	5246	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,220	4,872	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
786	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253651	3/7/2023	Robbie D Wood	252007/501F	Frac Tank	7741	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	4,793	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
787	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240730	3/7/2023	Quality Carriers	501F	Frac Tank	66117	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,983	4,823	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
788	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253583	3/7/2023	Heniff Transportation	AL4735	Frac Tank	21-3414	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,020	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
789	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253584	3/7/2023	Heniff Transportation	AL4735	Frac Tank	3RG23137	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,026	4,980	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
790	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252160	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	1008	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
791	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025252162	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	771	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,065	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
792	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253598	3/7/2023	Heniff Transportation	AL4735	Frac Tank	43237	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,010	5,093	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
793	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252441	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,065	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
794	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252473	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
795	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252482	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
796	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253654	3/7/2023	Altom Transport	501F	Frac Tank	T-21272	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,300	3,962	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
797	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240973	3/7/2023	Robbie D Wood	501F	Frac Tank	SIRV122	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,012	2,782	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
798	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252440	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
799	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253506	3/7/2023	Vickery Transportation	251871/252651	Frac Tank	T-723	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,110	5,309	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
800	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253611	3/7/2023	Heniff Transportation	251871	Frac Tank	43847	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,012	5,186	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
801	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253687	3/7/2023	Quality Carriers	266384	Frac Tank	703099	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,088	4,280	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
802	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253648	3/7/2023	Quality Carriers	252651	Frac Tank	7976	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	5,206	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
803	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252208	3/8/2023	Kuhnle Brothers	531A	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
804	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252249	3/7/2023	Kuhnle Brothers	AL5484	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
805	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253646	3/8/2023	Robbie D Wood	531A	Frac Tank	7901	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,176	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
806	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253628	3/7/2023	Robbie D Wood	AL5485	Frac Tank	LT-2212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,123	4,817	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
807	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252248	3/7/2023	Kuhnle Brothers	AL5485/AL4735/250043	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
808	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252207	3/8/2023	Kuhnle Brothers	531A	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
809	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252247	3/7/2023	Kuhnle Brothers	250043	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
810	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252361	3/8/2023	Quality Carriers	531A	Frac Tank	702611	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
811	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253594	3/7/2023	Heniff Transportation	250043	Frac Tank	11462	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,949	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
812	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252362	3/8/2023	Quality Carriers	531A	Frac Tank	702032	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5150	4,228	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
813	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252404	3/8/2023	Heniff Transportation	256043	Frac Tank	CC7060	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,102	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
814	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252471	3/8/2023	Kuhnle Brothers	256043	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
815	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253580	3/7/2023	Heniff Transportation	AL4735	Frac Tank	CC7091	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,197	5,108	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
816	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252200	3/7/2023	Kuhnle Brothers	AL4735	Frac Tank	457	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
817	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252470	3/8/2023	Kuhnle Brothers	256043/531A	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
818	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252405	3/8/2023	Heniff Transportation	531A	Frac Tank	1884	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,012	4,614	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
819	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252201	3/7/2023	Kuhnle Brothers	AL4735/256043	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
820	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252469	3/8/2023	Kuhnle Brothers	531A	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
821	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253647	3/7/2023	Robbie D Wood	256043	Frac Tank	8124	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,148	5,105	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
822	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253600	3/8/2023	Heniff Transportation	AL5484	Frac Tank	1880	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4765	4,388	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
823	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253605	3/8/2023	Heniff Transportation	AL5484	Frac tank	11-1085	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4984	5,019	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
824	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253606	3/8/2023	Heniff Transportation	AL5484	Frac Tank	11-1293	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4962	4,982	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
825	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253775	3/8/2023	Kuhnle Brothers	AL5484/AL4735	Frac Tank	1121	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
826	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252242	3/8/2023	Kuhnle Brothers	AL4735	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
827	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253713	3/8/2023	Quality Carriers	AL4735	Frac Tank	703449	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5019	4,954	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
828	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253604	3/8/2023	Heniff Transportation	AL4735/531A	Frac Tank	70272R	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4885	4,910	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
829	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253603	3/8/2023	Heniff Transportation	531A	Frac Tank	41-3736	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5000	3,815	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
830	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252434	3/8/2023	Kuhnle Brothers	531A	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
831	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252433	3/8/2023	Kuhnle Brothers	531A	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5065	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
832	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126944	3/8/2023	Quality Carriers	AL4738/513A	Frac Tank	KL613	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5000	4,194	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
833	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253813	3/8/2023	Kuhnle Brothers	513A	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
834	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126945	3/8/2023	Quality Carriers	513A	Frac Tank	CH8978	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5025	4,518	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
835	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253798	3/8/2023	Kuhnle Brothers	266384	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
836	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240984	3/8/2023	Quality Carriers	266384	Frac Tank	702222	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
837	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253823	3/8/2023	Kuhnle Brothers	266384	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
838	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253726	3/8/2023	Heniff Transportation	AL4738	Frac Tank	21-1828	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,031	4,675	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
839	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253645	3/8/2023	Robbie D Wood	513A	Frac Tank	LT-2237	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,027	4,471	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
840	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253712	3/8/2023	Quality Carriers	266384/513A	Frac Tank	701772	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,034	4,021	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
841	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240983	3/8/2023	Quality Carriers	266384	Frac Tank	LA7045	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,019	3,710	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
842	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253730	3/8/2023	Heniff Transportation	AL4738	Frac Tank	1711	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,026	4,997	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
843	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253814	3/8/2023	Kuhnle Brothers	AL4738	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
844	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126943	3/8/2023	Quality Carriers	AL4738/AL4771	Frac Tank	701992	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,022	4,026	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
845	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252435	3/8/2023	Kuhnle Brothers	AL4710	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
846	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252401	3/8/2023	Heniff Transportation	AL4710	Frac Tank	11-686	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,127	4,839	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
847	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253601	3/8/2023	Heniff Transportation	AL4710/574B	Frac Tank	3RG23178	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,026	5,091	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
848	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253732	3/8/2023	Heniff Transportation	AL4771	Frac Tank	3343	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	3,655	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
849	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253629	3/8/2023	Robbie D Wood	AL4771	Frac Tank	LT-2267	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
850	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253731	3/8/2023	Heniff Transportation	AL4771	Frac Tank	21-3693	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,027	4,146	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
851	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253779	3/8/2023	Kuhnle Brothers	AL4771/LTI-130	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
852	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253778	3/8/2023	Kuhnle Brothers	532A	Frac Tank	1006	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,993	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
853	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240580	3/8/2023	Heniff Transportation	251079	Frac Tank	2995	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,050	4,429	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
854	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253796	3/8/2023	Kuhnle Brothers	251079	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
855	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240579	3/8/2023	Heniff Transportation	251079/257400	Frac Tank	50034B	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,046	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
856	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252402	3/8/2023	Heniff Transportation	AL4735	Frac Tank	3134	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,995	5,089	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
857	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252437	3/8/2023	Kuhnle Brothers	256043	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
858	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252472	3/8/2023	Kuhnle Brothers	AL4735	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
859	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253652	3/8/2023	Robbie D Wood	AL4735	Frac Tank	LT2279	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,994	4,566	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
860	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253612	3/8/2023	Heniff Transportation	AL4735	Frac Tank	1593	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,904	4,622	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
861	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253733	3/8/2023	Heniff Transportation	532A	Frac Tank	1959	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,032	4,875	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
862	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253716	3/8/2023	Heniff Transportation	251091	Frac Tank	CC7030	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,521	4,518	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
863	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253754	3/8/2023	Heniff Transportation	251091	Frac Tank	21-1922	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,116	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
864	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253763	3/8/2023	Heniff Transportation	251091	Frac Tank	5251	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,898	4,841	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
865	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011415	3/8/2023	Quality Carriers	265276	Frac Tank	702464	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
866	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126942	3/8/2023	Quality Carriers	532A	Frac Tank	702805	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
867	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253795	3/8/2023	Kuhnle Brothers	251091/265276	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
868	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253531	3/8/2023	Action Resources	AL4771	Frac Tank	563	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,062	4,822	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
869	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253719	3/8/2023	Heniff Transportation	252007	Frac Tank	11-143	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	4,635	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
870	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253720	3/8/2023	Heniff Transportation	252007	Frac Tank	CC70177	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,018	4,532	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
871	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253721	3/8/2023	Heniff Transportation	Not listed	Frac Tank	1558	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,052	4,982	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
872	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253722	3/8/2023	Heniff Transportation	501F	Frac Tank	41-3082	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,034	4,261	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
873	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253714	3/8/2023	Heniff Transportation	501F	Frac Tank	21-3840	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	4,798	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
874	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253717	3/8/2023	Heniff Transportation	253085	Frac Tank	1117	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,909	3,710	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
875	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253715	3/8/2023	Heniff Transportation	253085/257400	Frac Tank	LT-1961	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,090	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
876	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253784	3/8/2023	Kuhnle Brothers	253085/252009	Frac Tank	768	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
877	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252241	3/8/2023	Kuhnle Brothers	574B	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
878	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252436	3/8/2023	Kuhnle Brothers	256043	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
879	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252438	3/8/2023	Kuhnle Brothers	AL4710	Frac Tank	1217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,784	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
880	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253797	3/8/2023	Kuhnle Brothers	257400	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
881	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253780	3/8/2023	Kuhnle Brothers	256043	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
882	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253782	3/8/2023	Kuhnle Brothers	251091/251079	Frac Tank	1008	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,850	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
883	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253781	3/8/2023	Kuhnle Brothers	574B	Frac Tank	731	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,201	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
884	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253783	3/8/2023	Kuhnle Brothers	574B	Frac Tank	771	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
885	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253776	3/8/2023	Kuhnle Brothers	253085	Frac Tank	342	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
886	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253636	3/8/2023	SJ Transportation	501F/252007	Frac Tank	PT-4013	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,025	4,887	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
887	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240981	3/8/2023	Quality Carriers	501F	Frac Tank	703498	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,000	2,491	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
888	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253694	3/8/2023	Quality Carriers	AL5484/574B	Frac Tank	702812	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,957	4,194	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
889	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253512	3/8/2023	Vickery Transportation	257400	Frac Tank	05850	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,014	4,858	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
890	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253534	3/8/2023	Action Resources	531A	Frac Tank	SIR0010	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,147	5,102	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
891	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252202	3/7/2023	Kuhnle Brothers	256043	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
892	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252467	3/8/2023	Kuhnle Brothers	531A/AL4710	Frac Tank	1217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
893	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253579	3/7/2023	Heniff Transportation	256043	Frac Tank	CC7076	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,178	5,148	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
894	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252468	3/8/2023	Kuhnle Brothers	AL4710	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
895	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252203	3/7/2023	Kuhnle Brothers	531A	Frac Tank	1217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
896	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252406	3/8/2023	Heniff Transportation	AL4710	Frac Tank	LT-1238	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,154	5,143	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
897	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252360	3/7/2023	Quality Carriers	531A	Frac Tank	702763	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,150	4,076	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
898	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253815	3/8/2023	Kuhnle Brothers	AL4710/574B	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
899	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253608	3/7/2023	Heniff Transportation	531A	Frac Tank	00987	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	3,750	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
900	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252407	3/8/2023	Heniff Transportation	574B	Frac Tank	43808	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,131	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
901	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253812	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
902	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253817	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
903	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253822	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
904	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253821	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	1217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
905	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253820	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
906	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253818	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
907	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253816	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
908	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011414	3/9/2023	Quality Carriers	AL4710	Frac Tank	702806	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
909	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252408	3/9/2023	Heniff Transportation	AL4710	Frac Tank	11-733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
910	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252410	3/9/2023	Heniff Transportation	AL4710	Frac Tank	70251R	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,142	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
911	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253658	3/9/2023	Altom Transport	AL4710	Frac Tank	T21658	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,142	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
912	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253659	3/9/2023	Altom Transport	AL4710	Frac Tank	T21655	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,142	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
913	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253811	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
914	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253613	3/9/2023	Heniff Transportation	AL4710	Frac Tank	4887	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,156	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
915	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126941	3/9/2023	Quality Carriers	AL4710	Frac Tank	702836	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,989	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
916	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253805	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
917	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253591	3/9/2023	Heniff Transportation	AL4710	Frac Tank	3133	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,962	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
918	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253809	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
919	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253590	3/9/2023	Heniff Transportation	AL4710	Frac Tank	11160	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,992	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
920	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253589	3/9/2023	Heniff Transportation	AL4710	Frac Tank	1607	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,955	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
921	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253588	3/9/2023	Heniff Transportation	AL4710	Frac Tank	4978	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
922	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253919	3/9/2023	Action Resources	AL4754	Frac Tank	SIR0076	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
923	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253800	3/9/2023	Kuhnle Brothers	521B/AL4754	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
924	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253854	3/9/2023	Quality Carriers	AL4754	Frac Tank	700606	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,074	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
925	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253683	3/9/2023	Vickery Transportation	AL4710	Frac Tank	VT708	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
926	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253855	3/9/2023	Heniff Transportation	521B	Frac Tank	1553	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,076	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
927	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253799	3/9/2023	Kuhnle Brothers	521B	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
928	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253660	3/9/2023	Altom Transport	521B	Frac Tank	T21566	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,008	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
929	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253699	3/9/2023	Quality Carriers	AL4771	Frac Tank	MT6801	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
930	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253587	3/9/2023	Heniff Transportation	AL4710	Frac Tank	43829	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
931	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253662	3/9/2023	Altom Transport	AL4771	Frac Tank	T21622	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
932	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253665	3/9/2023	Vickery Transportation	AL4771	Frac Tank	R759	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
933	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253856	3/9/2023	Heniff Transportation	AL4754	Frac Tank	989	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
934	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252403	3/9/2023	Heniff Transportation	AL4710	Frac Tank	11937	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
935	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253857	3/9/2023	Heniff Transportation	AL4755	Frac Tank	21-1952	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,054	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
936	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253858	3/9/2023	Heniff Transportation	AL4754	Frac Tank	21-3254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
937	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253773	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	731	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,201	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
938	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253859	3/9/2023	Heniff Transportation	AL4755	Frac Tank	21-1748	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,054	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
939	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126940	3/9/2023	Quality Carriers	AL4710	Frac Tank	702388	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
940	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253586	3/9/2023	Heniff Transportation	AL4710	Frac Tank	70214	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
941	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253650	3/9/2023	Robbie D Wood	AL4755	Frac Tank	LT2287	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
942	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253889	3/9/2023	Heniff Transportation	AL4755	Frac Tank	CD08	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,033	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
943	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253890	3/9/2023	Heniff Transportation	AL4755/266384	Frac Tank	43245	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
944	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253806	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
945	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253808	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
946	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253801	3/9/2023	Kuhnle Brothers	266384	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
947	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253853	3/9/2023	Quality Carriers	266384	Frac Tank	702586	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
948	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253769	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
949	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253585	3/9/2023	Heniff Transportation	AL4710	Frac Tank	43802	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
950	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253891	3/9/2023	Heniff Transportation	513A	Frac Tank	21-2017	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,054	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
951	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253915	3/9/2023	Action Resources	AL4710	Frac Tank	672	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,963	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
952	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126939	3/9/2023	Quality Carriers	AL4710	Frac Tank	701865	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,034	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
953	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253807	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	1217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
954	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126938	3/9/2023	Quality Carriers	AL4710	Frac Tank	CH8119	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
955	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253918	3/9/2023	Action Resources	251782	Frac Tank	SIR0091	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
956	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253771	3/9/2023	Kuhnle Brothers	251782	Frac Tank	771	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
957	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253803	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
958	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253893	3/9/2023	Heniff Transportation	251782	Frac Tank	21-1747	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,067	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
959	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253892	3/9/2023	Heniff Transportation	251688	Frac Tank	909	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
960	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253761	3/9/2023	Heniff Transportation	265276	Frac Tank	11-1032	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
961	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253785	3/9/2023	Kuhnle Brothers	265276	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
962	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253759	3/9/2023	Heniff Transportation	251683	Frac Tank	21-1755	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
963	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252493	3/9/2023	Altom Transport	251683	Frac Tank	T-21374	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,100	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
964	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253760	3/9/2023	Heniff Transportation	256094	Frac Tank	50044	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,155	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
965	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253758	3/9/2023	Heniff Transportation	251633	Frac Tank	11-644	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,098	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
966	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253698	3/9/2023	Quality Carriers	256094	Frac Tank	702261	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
967	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252367	3/9/2023	Quality Carriers	256094	Frac Tank	701580	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
968	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252355	3/9/2023	Quality Carriers	265276	Frac Tank	7241	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,109	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
969	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252356	3/9/2023	Quality Carriers	265276	Frac Tank	702390	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
970	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253786	3/9/2023	Kuhnle Brothers	256094	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
971	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253772	3/9/2023	Kuhnle Brothers	251633	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
972	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253916	3/9/2023	Action Resources	AL4710	Frac Tank	SIR0020	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
973	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253875	3/9/2023	Heniff Transportation	251321/251633	Frac Tank	8040	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,141	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
974	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126948	3/9/2023	Quality Carriers	251321	Frac Tank	SL7190	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,067	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
975	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253787	3/9/2023	Kuhnle Brothers	251321	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
976	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253788	3/9/2023	Kuhnle Brothers	251321	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
977	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253523	3/9/2023	Vickery Transportation	251478/251321	Frac Tank	6423	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
978	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253802	3/9/2023	Kuhnle Brothers	266384/513A	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
979	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253777	3/9/2023	Kuhnle Brothers	532A	Frac Tank	843	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
980	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252491	3/9/2023	Altom Transport	252007/253085	Frac Tank	T21623	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
981	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253756	3/9/2023	Heniff Transportation	252007	Frac Tank	17-7476	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,015	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
982	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253757	3/9/2023	Heniff Transportation	253085	Frac Tank	21-1716	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
983	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253920	3/9/2023	Kuhnle Brothers	253085	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
984	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253634	3/9/2023	SJ Transportation	253085/251478	Frac Tank	TV235	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
985	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126946	3/9/2023	Quality Carriers	251478	Frac Tank	702622	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
986	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253526	3/9/2023	Vickery Transportation	251478	Frac Tank	D790	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,123	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
987	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240725	3/9/2023	Quality Carriers	251683	Frac Tank	703034	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,106	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
988	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252492	3/9/2023	Altom Transport	AL4710	Frac Tank	T21501	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
989	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253657	3/9/2023	Altom Transport	574B	Frac Tank	T21475	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,134	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
990	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253661	3/9/2023	Altom Transport	574B	Frac Tank	T21473	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
991	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253655	3/9/2023	Altom Transport	574B/256043	Frac Tank	T21621	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,008	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
992	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253755	3/9/2023	Heniff Transportation	AL4710	Frac Tank	1845	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,126	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
993	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253876	3/9/2023	Heniff Transportation	574B	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,161	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
994	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253877	3/10/2023	Heniff Transportation	256043	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,153	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
995	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253928	3/10/2023	Kuhnle Brothers	256043	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
996	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253929	3/10/2023	Kuhnle Brothers	256043	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
997	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253969	3/10/2023	Kuhnle Brothers	256043	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
998	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253770	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	1195	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
999	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253774	3/9/2023	Kuhnle Brothers	AL4710	Frac Tank	1008	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,900	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1000	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240972	3/9/2023	Robbie D Wood	AL4710	Frac Tank	LT2280	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,155	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1001	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253653	3/9/2023	Robbie D Wood	574B	Frac Tank	7996	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,173	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1002	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253514	3/9/2023	Vickery Transportation	574B	Frac Tank	LT-888	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,100	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1003	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253527	3/9/2023	Vickery Transportation	574B	Frac Tank	7730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,148	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1004	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253528	3/9/2023	Vickery Transportation	574B	Frac Tank	KL757	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1005	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253513	3/10/2023	Vickery Transportation	531A	Frac Tank	5849	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,142	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1006	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253925	3/10/2023	Kuhnle Brothers	5484	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1007	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253926	3/10/2023	Kuhnle Brothers	256043/531A	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1008	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253927	3/10/2023	Kuhnle Brothers	256043	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1009	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253878	3/10/2023	Heniff Transportation	531A	Frac Tank	1779	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,093	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1010	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253879	3/10/2023	Heniff Transportation	531A/AL4735	Frac Tank	2615	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,047	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1011	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253880	3/10/2023	Heniff Transportation	AL4735	Frac Tank	11-557	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,194	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1012	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253881	3/10/2023	Heniff Transportation	AL4735	Frac Tank	3135	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1013	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253882	3/10/2023	Heniff Transportation	AL4735	Frac Tank	1981	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1014	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253883	3/10/2023	Heniff Transportation	5484	Frac Tank	41-3990	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,141	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1015	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253711	3/10/2023	Quality Carriers	AL5484	Frac Tank	CH7444	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,180	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1016	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253794	3/10/2023	Kuhnle Brothers	AL5484	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1017	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253860	3/10/2023	Heniff Transportation	AL5484	Frac Tank	11-1225	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1018	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253861	3/10/2023	Heniff Transportation	AL4710	Frac Tank	3RG23195	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,033	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1019	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253700	3/10/2023	Quality Carriers	AL4710	Frac Tank	MT7018	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,016	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1020	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253862	3/10/2023	Heniff Transportation	AL4710	Frac Tank	4891	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1021	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253863	3/10/2023	Heniff Transportation	AL4710	Frac Tank	11-274	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,730	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1022	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253693	3/10/2023	Quality Carriers	257761	Frac Tank	W75208	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,045	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1023	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253690	3/10/2023	Quality Carriers	257761	Frac Tank	701486	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,035	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1024	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253960	3/10/2023	Kuhnle Brothers	251688/257761	Frac Tank	909	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,994	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1025	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253656	3/10/2023	Altom Transport	AL4787	Frac Tank	T21561	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1026	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253917	3/10/2023	Action Resources	AL4787	Frac Tank	702	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1027	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253971	3/10/2023	SJ Transportation	257761/251871	Frac Tank	TV-217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,984	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1028	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253864	3/10/2023	Heniff Transportation	AL4787	Frac Tank	DH-18	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,976	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1029	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253961	3/10/2023	Kuhnle Brothers	251688	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1030	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253959	3/10/2023	Kuhnle Brothers	257761	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1031	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383077	3/10/2023	Quality Carriers	251362	Frac Tank	702444	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,008	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1032	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253962	3/10/2023	Kuhnle Brothers	251362	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1033	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253710	3/10/2023	Quality Carriers	251362	Frac Tank	3827	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1034	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383062	3/10/2023	Quality Carriers	251362/AL5484	Frac Tank	701542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,106	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1035	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253874	3/10/2023	Heniff Transportation	AL5484	Frac Tank	11-1276	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1036	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253709	3/10/2023	Quality Carriers	AL5484	Frac Tank	703485	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1037	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383015	3/10/2023	Action Resources	257204	Frac Tank	SIR0043	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1038	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253884	3/10/2023	Heniff Transportation	257204	Frac Tank	43847	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1039	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126937	3/10/2023	Quality Carriers	251060	Frac Tank	703048	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1040	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011481	3/10/2023	Quality Carriers	251060	Frac Tank	CH7179	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1041	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253675	3/10/2023	Vickery Transportation	252651	Frac Tank	LT1621	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,018	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1042	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253895	3/10/2023	Heniff Transportation	252651	Frac Tank	21-1875	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,061	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1043	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253692	3/10/2023	Quality Carriers	251871	Frac Tank	67126	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,113	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1044	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253888	3/10/2023	Heniff Transportation	251060	Frac Tank	111084	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1045	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240528	3/10/2023	Heniff Transportation	251871	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1046	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253958	3/10/2023	Kuhnle Brothers	252651	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1047	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253894	3/10/2023	Heniff Transportation	251871/252651	Frac Tank	41-3956	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1048	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253887	3/10/2023	Heniff Transportation	574D	Frac Tank	11-678	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,400	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1049	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253922	3/10/2023	Kuhnle Brothers	574D	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1050	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253676	3/10/2023	Vickery Transportation	251026	Frac Tank	7613	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,994	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1051	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253896	3/10/2023	Heniff Transportation	251026	Frac Tank	00598	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1052	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253725	3/10/2023	Heniff Transportation	507F/574D	Frac Tank	11-1128	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,999	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1053	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253986	3/10/2023	Altom Transport	507F	Frac Tank	T21614	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,008	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1054	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011484	3/10/2023	Quality Carriers	507F	Frac Tank	702609	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,118	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1055	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240529	3/10/2023	Heniff Transportation	251688	Frac Tank	1983	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,020	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1056	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253666	3/10/2023	Vickery Transportation	AL5484	Frac Tank	BV704	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1057	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253973	3/10/2023	SJ Transportation	AL5484	Frac Tank	TV-214	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1058	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253873	3/10/2023	Heniff Transportation	AL5484	Frac Tank	11-454	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1059	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253851	3/10/2023	Quality Carriers	AL4755	Frac Tank	8211	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1060	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253957	3/10/2023	Kuhnle Brothers	251026/AL4755	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1061	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253852	3/10/2023	Quality Carriers	251026	Frac Tank	702424	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1062	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253897	3/10/2023	Heniff Transportation	AL4755	Frac Tank	21-1965	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,177	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1063	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253963	3/10/2023	Kuhnle Brothers	AL5484/AL4710	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1064	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253701	3/10/2023	Quality Carriers	AL4710	Frac Tank	5563	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,015	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1065	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	020011483	3/10/2023	Quality Carriers	251060	Frac Tank	701516	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,020	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1066	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253885	3/10/2023	Heniff Transportation	251060/5740	Frac Tank	21-3721	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1067	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253886	3/10/2023	Heniff Transportation	5740	Frac Tank	11-925	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,030	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1068	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253016	3/10/2023	Action Resources	566B	Frac Tank	SIR0008	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1069	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253989	3/10/2023	Altom Transport	257204	Frac Tank	T21536	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1070	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383135	3/10/2023	Heniff Transportation	572A/507F	Frac Tank	43771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1071	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383119	3/10/2023	Heniff Transportation	572A/507F	Frac Tank	1590	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,243	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1072	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383120	3/10/2023	Heniff Transportation	5930	Frac Tank	61659	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,900	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1073	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383121	3/10/2023	Heniff Transportation	566B	Frac Tank	8020	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,032	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1074	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383122	3/10/2023	Heniff Transportation	566B	Frac Tank	HEC05	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,127	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1075	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383123	3/10/2023	Heniff Transportation	566B	Frac Tank	CC70159	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,122	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1076	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253724	3/10/2023	Heniff Transportation	507F	Frac Tank	21-1929	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,177	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1077	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383183	3/10/2023	Kuhnle Brothers	566B/5930	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1078	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383923	3/10/2023	Kuhnle Brothers	5930	Frac Tank	909	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,994	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1079	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383924	3/10/2023	Kuhnle Brothers	593D	Frac Tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,077	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1080	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383061	3/10/2023	Quality Carriers	572A	Frac Tank	702737	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1081	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	016126947	3/10/2023	Quality Carriers	257204	Frac Tank	702432	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1082	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253518	3/10/2023	Vickery Transportation	572A	Frac Tank	306L	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1083	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383898	3/10/2023	Heniff Transportation	256094	Frac Tank	8023	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,140	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1084	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383900	3/10/2023	Heniff Transportation	256094	Frac Tank	4587	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,110	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1085	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252498	3/10/2023	Action Resources	256094	Frac Tank	SIR0037	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1086	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253901	3/10/2023	Heniff Transportation	256094	Frac Tank	DM51	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1087	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253902	3/10/2023	Heniff Transportation	265276	Frac Tank	43821	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,062	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1088	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253954	3/10/2023	Kuhnle Brothers	265276	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1089	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253953	3/10/2023	Kuhnle Brothers	265276/251091	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1090	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253903	3/11/2023	Heniff Transportation	AL5484	Frac Tank	1548	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,062	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1091	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253904	3/11/2023	Heniff Transportation	AL5484	Frac Tank	1582	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1092	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253931	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1093	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253932	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1094	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253905	3/11/2023	Heniff Transportation	AL5484	Frac Tank	1952	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,122	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1095	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253702	3/11/2023	Quality Carriers	501F	Frac Tank	702225	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1096	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383196	3/11/2023	Kuhnle Brothers	257400/501F	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1097	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253866	3/11/2023	Heniff Transportation	257400	Frac Tank	5804	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1098	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253966	3/11/2023	Kuhnle Brothers	257400	Frac Tank	1215	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,100	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1099	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253999	3/11/2023	Altom Transport	251091	Frac Tank	T21518	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,137	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1100	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253865	3/11/2023	Heniff Transportation	251079	Frac Tank	41-1997	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,275	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1101	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253952	3/11/2023	Kuhnle Brothers	251091	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1102	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253930	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	497	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1103	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253948	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1104	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253949	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1105	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253951	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1106	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253950	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1107	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383157	3/11/2023	Heniff Transportation	251543	Frac Tank	21-1920	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,054	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1108	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383136	3/11/2023	Heniff Transportation	257516/ 251543	Frac Tank	41-3019	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,330	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1109	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383178	3/11/2023	Kuhnle Brothers	257516	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1110	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383101	3/11/2023	Heniff Transportation	257516	Frac Tank	21-1884	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,092	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1111	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253848	3/11/2023	Quality Carriers	AL5484	Frac Tank	65696	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,983	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1112	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253909	3/11/2023	Heniff Transportation	AL5484	Frac Tank	43796	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,002	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1113	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253908	3/11/2023	Heniff Transportation	AL5484	Frac Tank	11-7708	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,961	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1114	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253936	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,084	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1115	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253768	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1116	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253849	3/11/2023	Quality Carriers	AL5484	Frac Tank	703454	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1117	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253907	3/11/2023	Heniff Transportation	AL5484	Frac Tank	11-943	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1118	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253906	3/11/2023	Heniff Transportation	AL4710/ AL5484	Frac Tank	21-1931	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,054	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1119	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253996	3/11/2023	Altom Transport	AL4710	Frac Tank	T21584	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1120	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253850	3/11/2023	Quality Carriers	AL4710	Frac Tank	702315	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,021	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1121	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253935	3/11/2023	Kuhnle Brothers	AL4710	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,263	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1122	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253934	3/11/2023	Kuhnle Brothers	AL4710	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1123	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253682	3/11/2023	Vickery Transportation	AL4710	Frac Tank	63745	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1124	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383216	3/11/2023	Altom Transport	251650	Frac Tank	T21377	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1125	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383060	3/11/2023	Quality Carriers	251650	Frac Tank	703101	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1126	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253517	3/11/2023	Vickery Transportation	251650/ 511A	Frac Tank	3069	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1127	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253515	3/11/2023	Vickery Transportation	511A	Frac Tank	KL751	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1128	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	0252383087	3/11/2023	Heniff Transportation	511A	Frac Tank	1901	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,956	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1129	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	0252383088	3/11/2023	Heniff Transportation	511A	Frac Tank	11-1271	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1130	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383165	3/11/2023	Kuhnle Brothers	253085	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1131	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383054	3/11/2023	Quality Carriers	253085	Frac Tank	70579	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1132	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383089	3/11/2023	Heniff Transportation	253085	Frac Tank	1626	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1133	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253677	3/11/2023	Vickery Transportation	252007/253085	Frac Tank	7444	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,008	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1134	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383090	3/11/2023	Heniff Transportation	252007	Frac Tank	CC7074	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1135	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383091	3/11/2023	Heniff Transportation	501F	Frac Tank	LT1252	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1136	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383167	3/11/2023	Kuhnle Brothers	501F	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1137	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253678	3/11/2023	Vickery Transportation	501F	Frac Tank	KL752	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1138	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383084	3/11/2023	Heniff Transportation	AL5645	Frac Tank	5338	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1139	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383085	3/11/2023	Heniff Transportation	AL5645	Frac Tank	01137	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,058	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1140	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383164	3/11/2023	Kuhnle Brothers	AL5645	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1141	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383059	3/11/2023	Quality Carriers	AL5645/251650	Frac Tank	702117	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1142	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383086	3/11/2023	Heniff Transportation	251650	Frac Tank	CC70145	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1143	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253912	3/11/2023	Heniff Transportation	AL5484	Frac Tank	49-0477	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,998	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1144	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253911	3/11/2023	Heniff Transportation	AL5484	Frac Tank	43231	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,010	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1145	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253910	3/11/2023	Heniff Transportation	AL5484	Frac Tank	21-1765	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1146	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383011	3/11/2023	Action Resources	AL5484	Frac Tank	SIR0004	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1147	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383056	3/11/2023	Quality Carriers	532A	Frac Tank	703446	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,100	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1148	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383184	3/11/2023	Kuhnle Brothers	532A	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1149	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383055	3/11/2023	Quality Carriers	532A	Frac Tank	702588	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,016	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1150	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383083	3/11/2023	Heniff Transportation	532A	Frac Tank	1299	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,126	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1151	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383139	3/11/2023	Heniff Transportation	257225	Frac Tank	00066	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1152	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383138	3/11/2023	Heniff Transportation	251002/257225	Frac Tank	11-1090	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,016	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1153	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383052	3/11/2023	Quality Carriers	251002	Frac Tank	702809	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1154	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253998	3/11/2023	Altom Transport	215002	Frac Tank	T21484	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,941	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1155	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	0252383137	3/11/2023	Heniff Transportation	251543/251002	Frac Tank	4892	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1156	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383053	3/11/2023	Quality Carriers	251543	Frac Tank	702003	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1157	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253964	3/11/2023	Kuhnle Brothers	251079	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,048	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1158	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253933	3/11/2023	Kuhnle Brothers	AL5458	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,135	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1159	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253965	3/11/2023	Kuhnle Brothers	251091	Frac Tank	909	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,110	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1160	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383195	3/11/2023	Kuhnle Brothers	251091	Frac Tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,077	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1161	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253913	3/11/2023	Heniff Transportation	AL5484	Frac Tank	1434	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,194	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1162	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253939	3/11/2023	Kuhnle Brothers	AL4710	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1163	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253938	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1164	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025243913	3/11/2023	Heniff Transportation	AL5484	Frac Tank	1434	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,194	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1165	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253937	3/11/2023	Kuhnle Brothers	AL5484	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1166	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253847	3/11/2023	Quality Carriers	AL5484 / AL4710	Frac Tank	702458	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,144	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1167	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253681	3/11/2023	Vickery Transportation	AL4710	Frac Tank	7071	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1168	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253940	3/12/2023	Kuhnle Brothers	AL4710	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1169	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253804	3/12/2023	Kuhnle Brothers	AL4710	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1170	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253914	3/12/2023	Heniff Transportation	AL4710	Frac Tank	11-1194	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,155	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1171	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253941	3/12/2023	Kuhnle Brothers	AL4710	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1172	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383309	3/12/2023	Heniff Transportation	531A	Frac Tank	8041	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1173	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383312	3/12/2023	Heniff Transportation	AL4754 / 521B	Frac Tank	43232	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,010	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1174	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383057	3/12/2023	Heniff Transportation	521B	Frac Tank	701682	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,034	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1175	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253679	3/12/2023	Vickery Transportation	531A	Frac Tank	702511	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1176	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383311	3/12/2023	Heniff Transportation	521B	Frac Tank	00071	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1177	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383310	3/12/2023	Heniff Transportation	521B	Frac Tank	41-3792	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,098	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1178	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383156	3/12/2023	Heniff Transportation	256160	Frac Tank	21-1881	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,092	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1179	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253945	3/12/2023	Kuhnle Brothers	AL513B	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1180	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383332	3/12/2023	Kuhnle Brothers	540A	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1181	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383326	3/12/2023	Heniff Transportation	540A	Frac Tank	41-3474	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1182	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253619	3/12/2023	Heniff Transportation	AL513B / 531A	Frac Tank	43791	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,031	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1183	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383327	3/12/2023	Heniff Transportation	540A	Frac Tank	3RG23157	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1184	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253617	3/12/2023	Heniff Transportation	AL4710	Frac Tank	11-401	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,662	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1185	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383050	3/12/2023	Quality Carriers	251076	Frac Tank	4615	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1186	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253616	3/12/2023	Heniff Transportation	AL4710	Frac Tank	5256	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1187	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253947	3/12/2023	Kuhnle Brothers	AL4710-AL513B	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1188	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253767	3/12/2023	Kuhnle Brothers	AL4710	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1189	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253615	3/12/2023	Heniff Transportation	AI5484 / AL4710	Frac Tank	LT1635	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1190	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383325	3/12/2023	Heniff Transportation	251076	Frac Tank	21-1887	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,092	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1191	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253943	3/12/2023	Kuhnle Brothers	AL5484	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,050	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1192	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253942	3/12/2023	Kuhnle Brothers	AL5484	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1193	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253614	3/12/2023	Heniff Transportation	AL5484 / AL4710	Frac Tank	T-286	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1194	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383163	3/12/2023	Kuhnle Brothers	AL4471 / AL4755	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1195	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383331	3/12/2023	Heniff Transportation	257410	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1196	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383185	3/12/2023	Kuhnle Brothers	AL4755	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,050	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1197	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383049	3/12/2023	Quality Carriers	251076	Frac Tank	702753	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1198	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253995	3/12/2023	Altom Transport	257195	Frac Tank	T-21272	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,050	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1199	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383328	3/12/2023	Heniff Transportation	257195	Frac Tank	11-884	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1200	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383051	3/12/2023	Quality Carriers	257410	Frac Tank	CH7030	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1201	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383329	3/12/2023	Heniff Transportation	257410	Frac Tank	1969	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,032	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1202	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253680	3/12/2023	Vickery Transportation	AL4755	Frac Tank	T-723	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,839	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1203	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383341	3/12/2023	Kuhnle Brothers	538F/257410	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1204	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253618	3/12/2023	Heniff Transportation	AL513B	Frac Tank	43698	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1205	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253765	3/12/2023	Kuhnle Brothers	AL4754	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,000	4,572	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1206	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383340	3/12/2023	Kuhnle Brothers	1213	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1207	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383313	3/12/2023	Heniff Transportation	AL4754	Frac Tank	358	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1208	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	024583324	3/12/2023	Heniff Transportation	538F	Frac Tank	11-1282	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1209	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253766	3/12/2023	Kuhnle Brothers	AL4754	Frac Tank	768	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1210	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383058	3/12/2023	Quality Carriers	AL4755 / AL4754	Frac Tank	702720	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,118	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1211	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383330	3/12/2023	Heniff Transportation	538F	Frac Tank	3RG23150	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1212	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253846	3/12/2023	Quality Carriers	AL4735	Frac Tank	700606	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,106	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1213	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383306	3/12/2023	Heniff Transportation	AL5484	Frac Tank	11-652	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1214	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383305	3/12/2023	Heniff Transportation	AL5484	Frac Tank	11764	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1215	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383308	3/12/2023	Heniff Transportation	531A/AL4735	Frac Tank	7017	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,195	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1216	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383307	3/12/2023	Heniff Transportation	AL4735	Frac Tank	21-3937	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1217	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383355	3/12/2023	Kuhnle Brothers	AL5484/AL4710	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1218	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253946	3/12/2023	Kuhnle Brothers	AL4735	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1219	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383360	3/12/2023	Kuhnle Brothers	AL4735	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1220	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383357	3/12/2023	Kuhnle Brothers	AL5484	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1221	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025253764	3/12/2023	Kuhnle Brothers	AL5484	Frac Tank	771	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	Received	5,040	4,863	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1222	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383304	3/13/2023	Heniff Transportation	AL4710	Frac Tank	41-3481	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,122	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1223	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383358	3/13/2023	Kuhnle Brothers	AL4710	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1224	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383323	3/13/2023	Heniff Transportation	AL4710	Frac Tank	11-776	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1225	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383342	3/13/2023	Kuhnle Brothers	AL4710	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1226	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383359	3/13/2023	Kuhnle Brothers	AL4710	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1227	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383160	3/13/2023	Kuhnle Brothers	AL4710	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1228	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253845	3/13/2023	Quality Carriers	AL4710	Frac Tank	701968	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1229	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383161	3/13/2023	Kuhnle Brothers	AL4738	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1230	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383301	3/13/2023	Heniff Transportation	AL4771	Frac Tank	11-1053	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1231	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383162	3/13/2023	Kuhnle Brothers	AL4771	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1232	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383302	3/13/2023	Heniff Transportation	AL4738	Frac Tank	21-3414	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,083	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1233	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383303	3/13/2023	Heniff Transportation	AL4738	Frac Tank	11-945	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1234	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383190	3/13/2023	Kuhnle Brothers	252651	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1235	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383316	3/13/2023	Heniff Transportation	252651	Frac Tank	11-653	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1236	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383315	3/13/2023	Heniff Transportation	AL4738/251026	Frac Tank	4990	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1237	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253844	3/13/2023	Quality Carriers	251026	Frac Tank	703159	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1238	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383189	3/13/2023	Kuhnle Brothers	251026	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1239	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383378	3/13/2023	Kuhnle Brothers	251871	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,050	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1240	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025240599	2/22/2023	Heniff Transportation	513A	Frac Tank	11655	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,094	4,271	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1241	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383379	3/13/2023	Kuhnle Brothers	251871	Frac Tank	1121	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1242	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383192	3/13/2023	Kuhnle Brothers	252651	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1243	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383191	3/13/2023	Kuhnle Brothers	251871	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1244	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383380	3/13/2023	Kuhnle Brothers	256160	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1245	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383169	3/13/2023	Kuhnle Brothers	256160	Frac Tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,071	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1246	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383381	3/13/2023	Kuhnle Brothers	256160	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1247	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383168	3/13/2023	Kuhnle Brothers	256160	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1248	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253723	3/13/2023	Heniff Transportation	252651	Frac Tank	3343	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1249	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383382	3/13/2023	Kuhnle Brothers	257761	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1250	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383170	3/13/2023	Kuhnle Brothers	256160	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1251	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383038	3/13/2023	Quality Carriers	AL4710/251362	Frac Tank	70971	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1252	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383186	3/13/2023	Kuhnle Brothers	AL4710	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1253	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383187	3/13/2023	Kuhnle Brothers	251362	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1254	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383081	3/13/2023	Heniff Transportation	AL5484	Frac Tank	CC7091	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1255	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383082	3/13/2023	Heniff Transportation	251362	Frac Tank	Missing Number	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,005	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1256	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383314	3/13/2023	Heniff Transportation	251362	Frac Tank	43214	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,116	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1257	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383188	3/13/2023	Kuhnle Brothers	251362	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1258	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383041	3/13/2023	Quality Carriers	AL5484	Frac Tank	11341	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1259	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383039	3/13/2023	Quality Carriers	251362	Frac Tank	702130	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1260	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383040	3/13/2023	Quality Carriers	251362	Frac Tank	702371	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1261	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383317	3/13/2023	Heniff Transportation	251688	Frac Tank	21-0203	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1262	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383194	3/13/2023	Kuhnle Brothers	251362/AL5484	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1263	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383377	3/13/2023	Kuhnle Brothers	257761/251688	Frac Tank	771	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1264	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383118	3/13/2023	Heniff Transportation	AL4944	Frac Tank	21-2014	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,177	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1265	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253842	3/14/2023	Quality Carriers	AL4944/AL5679	Frac Tank	703493	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1266	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253843	3/14/2023	Quality Carriers	AL4944	Frac Tank	702222	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1267	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383117	3/14/2023	Heniff Transportation	AL4944	Frac Tank	43245	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,099	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1268	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383036	3/13/2023	Quality Carriers	AL4944	Frac Tank	702032	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1269	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383043	3/14/2023	Quality Carriers	257204	Frac Tank	702622	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1270	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383044	3/14/2023	Quality Carriers	257204	Frac Tank	701580	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,106	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1271	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383080	3/14/2023	Heniff Transportation	251060	Frac Tank	41-3204	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,099	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1272	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383079	3/14/2023	Heniff Transportation	257204	Frac Tank	CC 7030	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,045	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1273	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383421	3/14/2023	Kuhnle Brothers	251060	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1274	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383124	3/14/2023	Heniff Transportation	251060/574D	Frac Tank	21-1828	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,031	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1275	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383376	3/14/2023	Kuhnle Brothers	574D	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1276	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383125	3/14/2023	Heniff Transportation	574D/507F	Frac Tank	987	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1277	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383126	3/14/2023	Heniff Transportation	507F/572A	Frac Tank	21-773	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,046	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1278	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383048	3/14/2023	Quality Carriers	507F	Frac Tank	702812	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1279	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383374	3/14/2023	Kuhnle Brothers	507F	Frac Tank	1121	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1280	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383318	3/14/2023	Heniff Transportation	AL 4787	Frac Tank	21-3693	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1281	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383197	3/14/2023	Kuhnle Brothers	AL 4787	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1282	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383319	3/14/2023	Heniff Transportation	AL 4787	Frac Tank	43847	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1283	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383320	3/14/2023	Heniff Transportation	AL 4787	Frac Tank	1789	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,020	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1284	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383385	3/14/2023	Kuhnle Brothers	AL 4216	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,401	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1285	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383034	3/14/2023	Quality Carriers	AL 4216	Frac Tank	67188	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,441	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1286	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383384	3/14/2023	Kuhnle Brothers	AL 4216	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1287	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383035	3/14/2023	Quality Carriers	AL4216/AL5674	Frac Tank	LA7045	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1288	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383322	3/14/2023	Heniff Transportation	AL 5679	Frac Tank	3344	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1289	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383193	3/14/2023	Kuhnle Brothers	AL 5679	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1290	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383349	3/14/2023	Kuhnle Brothers	AL 5679	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1291	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383046	3/14/2023	Quality Carriers	572A	Frac Tank	703034	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,106	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1292	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383351	3/14/2023	Kuhnle Brothers	516F	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1293	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383375	3/14/2023	Kuhnle Brothers	516F	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1294	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383141	3/14/2023	Heniff Transportation	516F	Frac Tank	41-3825	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,024	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1295	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383153	3/14/2023	Heniff Transportation	516F	Frac Tank	43237	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,010	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1296	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383350	3/14/2023	Kuhnle Brothers	514E	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1297	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383155	3/14/2023	Heniff Transportation	514E	Frac Tank	1711	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1298	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383154	3/14/2023	Heniff Transportation	514E	Frac Tank	43782	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1299	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253621	3/14/2023	Heniff Transportation	AL4710	Frac Tank	LT-1238	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,632	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1300	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253620	3/14/2023	Heniff Transportation	AL4710	Frac Tank	1884	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1301	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383321	3/14/2023	Heniff Transportation	AL4710	Frac Tank	11-316	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1302	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383372	3/14/2023	Kuhnle Brothers	572A	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1303	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383373	3/14/2023	Kuhnle Brothers	572A/593D	Frac Tank	771	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1304	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383030	3/15/2023	Quality Carriers	560B	Frac Tank	18173	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1305	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253727	3/15/2023	Heniff Transportation	257393/560B	Frac Tank	5251	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1306	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383031	3/14/2023	Quality Carriers	257393	Frac Tank	701568	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,162	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1307	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383032	3/14/2023	Quality Carriers	257393/AL5484	Frac Tank	CH8896	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,024	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1308	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253728	3/14/2023	Heniff Transportation	AL5484	Frac Tank	43819	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,062	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1309	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253729	3/14/2023	Heniff Transportation	AL5484	Frac Tank	1117	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,036	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1310	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253734	3/15/2023	Heniff Transportation	560B	Frac Tank	1607	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1311	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253736	3/15/2023	Heniff Transportation	560B	Frac Tank	70251R	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,142	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1312	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253735	3/15/2023	Heniff Transportation	560B	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,161	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1313	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383029	3/15/2023	Quality Carriers	257761	Frac Tank	703498	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1314	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253739	3/15/2023	Heniff Transportation	593D	Frac Tank	2995	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,050	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1315	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253737	3/15/2023	Heniff Transportation	257761	Frac Tank	4887	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1316	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253738	3/15/2023	Heniff Transportation	572A	Frac Tank	21-1973	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,030	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1317	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253740	3/15/2023	Heniff Transportation	593D/566B	Frac Tank	4978	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1318	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383045	3/15/2023	Quality Carriers	257761/251871	Frac Tank	703498	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1319	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383419	3/15/2023	Kuhnle Brothers	251871	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1320	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383371	3/15/2023	Kuhnle Brothers	255950	Frac Tank	1221	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1321	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383131	3/15/2023	Heniff Transportation	251782 / 251871	Frac Tank	1880	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1322	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383199	3/15/2023	Kuhnle Brothers	251320	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1323	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383200	3/15/2023	Kuhnle Brothers	251320	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1324	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383420	3/15/2023	Kuhnle Brothers	251782	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1325	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383201	3/15/2023	Kuhnle Brothers	251320	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1326	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383130	3/15/2023	Heniff Transportation	251 / 782	Frac Tank	11-160	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,330	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1327	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383366	3/15/2023	Kuhnle Brothers	251320/256729	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1328	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383129	3/15/2023	Heniff Transportation	251688 / 251782	Frac Tank	11-1005	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1329	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383370	3/15/2023	Kuhnle Brothers	256729	Frac Tank	870	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,084	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1330	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383128	3/15/2023	Heniff Transportation	251688	Frac Tank	3143	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1331	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383364	3/15/2023	Kuhnle Brothers	256729	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,013	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1332	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383127	3/15/2023	Heniff Transportation	257761 / 251688	Frac Tank	43866	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,092	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1333	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383423	3/15/2023	Heritage Transport	266240	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1334	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383365	3/15/2023	Kuhnle Brothers	256729	Frac Tank	1121	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1335	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383352	3/15/2023	Kuhnle Brothers	255950	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1336	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383369	3/15/2023	Kuhnle Brothers	256729/ 251014	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1337	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383368	3/15/2023	Kuhnle Brothers	251014	Frac Tank	767	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1338	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383354	3/15/2023	Kuhnle Brothers	255950	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1339	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383202	3/15/2023	Kuhnle Brothers	251014	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1340	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383142	3/15/2023	Heniff Transportation	251014	Frac Tank	21-1755	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,033	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1341	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383367	3/15/2023	Kuhnle Brothers	257019	Frac Tank	771	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1342	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253742	3/15/2023	Heniff Transportation	56613	Frac Tank	1582	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,089	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1343	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253741	3/15/2023	Heniff Transportation	566B	Frac Tank	11-609	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1344	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383104	3/16/2023	Heniff Transportation	511A	Frac Tank	21-1720	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1345	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383102	3/16/2023	Heniff Transportation	251650	Frac Tank	5246	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1346	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383103	3/16/2023	Heniff Transportation	511A	Frac Tank	41-3992	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1347	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025252409	3/16/2023	Heniff Transportation	251650	Frac Tank	5248	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1348	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253752	3/16/2023	Heniff Transportation	251650	Frac Tank	11-454	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1349	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253744	3/16/2023	Heniff Transportation	251871/ 252651	Frac Tank	4887	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1350	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253745	3/16/2023	Heniff Transportation	AL5645	Frac Tank	1983	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,020	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1351	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253753	3/16/2023	Heniff Transportation	AL5646/ 251650	Frac Tank	15-33	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1352	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383386	3/16/2023	Kuhnle Brothers	AL5645	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1353	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253743	3/16/2023	Heniff Transportation	566B/AL 5645	Frac Tank	43866	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,042	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1354	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383387	3/16/2023	Heniff Transportation	251478	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1355	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383457	3/16/2023	Kuhnle Brothers	251321	Frac Tank	1121	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1356	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383389	3/16/2023	Kuhnle Brothers	251478	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1357	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383388	3/16/2023	Kuhnle Brothers	251479	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1358	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383105	3/16/2023	Heniff Transportation	251321	Frac Tank	11-1225	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1359	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383416	3/16/2023	Kuhnle Brothers	AL5679	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1360	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240530	3/16/2023	Heniff Transportation	AL5679	Frac Tank	21-3254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,097	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1361	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383133	3/16/2023	Heniff Transportation	AL5679	Frac Tank	2615	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,047	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1362	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383417	3/16/2023	Kuhnle Brothers	AL4944 / AL5679	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1363	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383418	3/16/2023	Kuhnle Brothers	AL4944	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1364	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383134	3/16/2023	Heniff Transportation	AL4944	Frac Tank	21-3707	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1365	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383132	3/16/2023	Heniff Transportation	AL4944	Frac Tank	41-2663	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1366	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383390	3/16/2023	Kuhnle Brothers	25B21-251683	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1367	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383339	3/16/2023	Kuhnle Brothers	257019	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1368	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383338	3/16/2023	Kuhnle Brothers	257019	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1369	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383337	3/16/2023	Kuhnle Brothers	257019	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1370	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383333	3/16/2023	Kuhnle Brothers	266240	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1371	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383334	3/16/2023	Kuhnle Brothers	266240	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1372	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383432	3/16/2023	Heritage Transport	266240-257728-538B-	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1373	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383203	3/16/2023	Kuhnle Brothers	555D	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1374	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383363	3/16/2023	Kuhnle Brothers	555D	Frac Tank	768	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,106	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1375	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383205	3/16/2023	Kuhnle Brothers	555D	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1376	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383362	3/16/2023	Kuhnle Brothers	555D-260119	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1377	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383431	3/16/2023	Heritage Transport	260119	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1378	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383459	3/16/2023	Kuhnle Brothers	260119	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,084	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1379	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383458	3/16/2023	Kuhnle Brothers	260119	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1380	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383430	3/16/2023	Heritage Transport	260119-555D-251014-	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1381	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383415	3/16/2023	Kuhnle Brothers	AL5679/560B	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1382	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383460	3/16/2023	Kuhnle Brothers	251683	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1383	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253622	3/17/2023	Heniff Transportation	256094	Frac Tank	CC7076	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,044	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1384	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383110	3/16/2023	Heniff Transportation	526054	Frac Tank	41-1999	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1385	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383109	3/16/2023	Heniff Transportation	251633 / 256094	Frac Tank	L7 791	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,090	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1386	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383108	3/16/2023	Heniff Transportation	251633	Frac Tank	4892	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1387	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383107	3/16/2023	Heniff Transportation	251683	Frac Tank	21-1747	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,003	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1388	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383106	3/16/2023	Heniff Transportation	251683	Frac Tank	11-879	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1389	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383424	3/17/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1390	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383111	3/17/2023	Heniff Transportation	251079	Frac Tank	111014	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1391	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383429	3/17/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1392	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383116	3/17/2023	Heniff Transportation	265276	Frac Tank	11-1042	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1393	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383353	3/17/2023	Kuhnle Brothers	265276	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1394	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383152	3/17/2023	Heniff Transportation	265276/1251091	Frac Tank	11-943	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,098	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1395	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383114	3/17/2023	Heniff Transportation	251091	Frac Tank	43231	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1396	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383115	3/17/2023	Heniff Transportation	251091/251079	Frac Tank	43886	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1397	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383112	3/17/2023	Heniff Transportation	251079	Frac Tank	8023	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,140	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1398	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253746	3/17/2023	Heniff Transportation	257400	Frac Tank	4891	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1399	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383428	3/17/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1400	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383151	3/17/2023	Heniff Transportation	257400	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1401	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383113	3/17/2023	Heniff Transportation	251079/257400	Frac Tank	111084	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,024	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1402	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253747	3/17/2023	Heniff Transportation	501F	Frac Tank	11-7708	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,128	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1403	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383150	3/17/2023	Heniff Transportation	501F	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1404	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383181	3/17/2023	Kuhnle Brothers	252651	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1405	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383455	3/17/2023	Kuhnle Brothers	251871	Frac Tank	1213	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1406	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383093	3/17/2023	Heniff Transportation	251688	Frac Tank	3RG23150	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1407	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383092	3/17/2023	Heniff Transportation	251688	Frac Tank	70214	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1408	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253869	3/17/2023	Heniff Transportation	252651/251688	Frac Tank	11-1199	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1409	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383180	3/17/2023	Kuhnle Brothers	251688	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1410	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383206	3/17/2023	Kuhnle Brothers	251781	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1411	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253867	3/17/2023	Heniff Transportation	251871	Frac Tank	21-3721	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1412	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253868	3/17/2023	Heniff Transportation	251871/251688	Frac Tank	61659	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1413	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383449	3/17/2023	Kuhnle Brothers	5484/574B	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,200	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1414	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383410	3/17/2023	Kuhnle Brothers	AL5484	Frac Tank	769	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1415	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383409	3/17/2023	Kuhnle Brothers	AL5484	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1416	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383408	3/17/2023	Kuhnle Brothers	AL4710/AL5484	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1417	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383407	3/17/2023	Kuhnle Brothers	AL4710	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1418	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383406	3/17/2023	Kuhnle Brothers	AL4710	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1419	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240544	3/17/2023	Heniff Transportation	AL4710	Frac Tank	21-1875	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,152	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1420	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383405	3/17/2023	Kuhnle Brothers	560B	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1421	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383413	3/17/2023	Kuhnle Brothers	560B	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1422	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383414	3/17/2023	Kuhnle Brothers	560B	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1423	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383149	3/17/2023	Heniff Transportation	501F	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1424	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383427	3/17/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1425	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383391	3/17/2023	Kuhnle Brothers	252007	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1426	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383143	3/17/2023	Heniff Transportation	252007	Frac Tank	11-1276	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,155	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1427	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383144	3/17/2023	Heniff Transportation	252007	Frac Tank	01137	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,182	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1428	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383145	3/18/2023	Heniff Transportation	251060	Frac Tank	41-3956	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1429	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383146	3/18/2023	Heniff Transportation	574D	Frac Tank	11-574	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,105	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1430	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253751	3/18/2023	Heniff Transportation	266384	Frac Tank	11-678	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1431	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383148	3/18/2023	Heniff Transportation	507F	Frac Tank	11-1053	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1432	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253748	3/18/2023	Heniff Transportation	507F-572A	Frac Tank	7060	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,102	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1433	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253750	3/18/2023	Heniff Transportation	572A	Frac Tank	LT-1699	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,018	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1434	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240534	3/18/2023	Heniff Transportation	566B	Frac Tank	21-1881	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,092	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1435	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240533	3/18/2023	Heniff Transportation	593D-566B	Frac Tank	21-1884	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,092	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1436	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240532	3/18/2023	Heniff Transportation	593D	Frac Tank	1425	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,079	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1437	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240543	3/18/2023	Heniff Transportation	593D-572A	Frac Tank	41-3474	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,144	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1438	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383397	3/18/2023	Kuhnle Brothers	593D	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1439	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383499	3/18/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1440	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383400	3/18/2023	Kuhnle Brothers	572A	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1441	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383398	3/18/2023	Kuhnle Brothers	572A	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1442	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383395	3/18/2023	Kuhnle Brothers	507F	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1443	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383500	3/18/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1444	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383394	3/18/2023	Kuhnle Brothers	574D	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1445	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383396	3/18/2023	Kuhnle Brothers	574D-507F	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1446	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383392	3/18/2023	Kuhnle Brothers	251060	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1447	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383393	3/18/2023	Kuhnle Brothers	251060-574D	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1448	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383425	3/18/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1449	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383495	3/18/2023	US Ecology Transportation	252651	Frac Tank	3080	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1450	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383172	3/18/2023	Kuhnle Brothers	AL4771	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1451	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383174	3/18/2023	Kuhnle Brothers	532A	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1452	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240535	3/18/2023	Heniff Transportation	532A	Frac Tank	LT-1797	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,093	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1453	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240531	3/18/2023	Heniff Transportation	532A	Frac Tank	1434	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,120	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1454	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383099	3/18/2023	Heniff Transportation	AL4771	Frac Tank	3Rg23187	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1455	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383336	3/18/2023	Kuhnle Brothers	574B	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1456	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383176	3/18/2023	Kuhnle Brothers	574B / 531A	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1457	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383335	3/18/2023	Kuhnle Brothers	574B	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1458	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383175	3/18/2023	Kuhnle Brothers	531A	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1459	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383147	3/18/2023	Heniff Transportation	266384	Frac Tank	21-1929	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,054	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1460	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383100	3/18/2023	Heniff Transportation	AL4771	Frac Tank	11-1044	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1461	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253870	3/18/2023	Heniff Transportation	266384-513A	Frac Tank	1299	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,126	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1462	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383171	3/18/2023	Heniff Transportation	514A	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1463	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253872	3/18/2023	Heniff Transportation	513A	Frac Tank	21-1887	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,092	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1464	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383094	3/18/2023	Heniff Transportation	266384	Frac Tank	21-3855	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1465	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240536	3/18/2023	Heniff Transportation	521B	Frac Tank	1907	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1466	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383399	3/18/2023	Kuhnle Brothers	AL4771	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1467	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240537	3/19/2023	Heniff Transportation	521B	Frac Tank	3RG23127	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1468	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384522	3/19/2023	Kuhnle Brothers	564B	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1469	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383497	3/19/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1470	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384524	3/19/2023	Kuhnle Brothers	564B	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1471	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384518	3/19/2023	Kuhnle Brothers	564B	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1472	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383489	3/19/2023	Heniff Transportation	564B	Frac Tank	1711	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1473	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383488	3/19/2023	Heniff Transportation	564B-251694	Frac Tank	21-805	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,083	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1474	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383207	3/19/2023	Kuhnle Brothers	251694	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1475	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383487	3/19/2023	Heniff Transportation	251694	Frac Tank	4707	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1476	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240538	3/19/2023	Heniff Transportation	501F	Frac Tank	11-767	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1477	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383159	3/19/2023	Kuhnle Brothers	252007	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1478	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383498	3/19/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1479	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383452	3/19/2023	Kuhnle Brothers	257400	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1480	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383474	3/19/2023	Heniff Transportation	501F-257400	Frac Tank	11-764	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1481	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383095	3/19/2023	Heniff Transportation	501F	Frac Tank	11-652	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1482	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383451	3/19/2023	Kuhnle Brothers	257400	Frac Tank	1121	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1483	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383477	3/19/2023	Heniff Transportation	514E-516F	Frac Tank	00071	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,098	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1484	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384530	3/19/2023	Kuhnle Brothers	514E	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1485	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383450	3/19/2023	Kuhnle Brothers	514E	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1486	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384526	3/19/2023	Kuhnle Brothers	566E	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1487	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384528	3/19/2023	Kuhnle Brothers	566E	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1488	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383478	3/19/2023	Heniff Transportation	538B-566E	Frac Tank	0087	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,064	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1489	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383496	3/19/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1490	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383476	3/19/2023	Heniff Transportation	538B	Frac Tank	11-653	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1491	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383412	3/19/2023	Kuhnle Brothers	538B	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,010	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1492	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253967	3/19/2023	Kuhnle Brothers	257728	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1493	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253793	3/19/2023	Kuhnle Brothers	257728	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1494	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383411	3/19/2023	Kuhnle Brothers	257728-538B	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1495	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384515	3/19/2023	Kuhnle Brothers	257400	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1496	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383453	3/19/2023	Kuhnle Brothers	251091	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1497	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383454	3/19/2023	Kuhnle Brothers	251091	Frac Tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1498	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383472	3/19/2023	Heniff Transportation	252007	Frac Tank	21-1748	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,067	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1499	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383473	3/19/2023	Heniff Transportation	252007	Frac Tank	1779	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,106	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1500	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384513	3/20/2023	Kuhnle Brothers	AL5484	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1501	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384505	3/20/2023	Kuhnle Brothers	AL4710	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1502	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384507	3/20/2023	Kuhnle Brothers	AL4710	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1503	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384558	3/20/2023	Kuhnle Brothers	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1504	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383403	3/20/2023	Kuhnle Brothers	AL5484	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1505	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383426	3/20/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1506	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384517	3/20/2023	Kuhnle Brothers	AL5484	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1507	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384511	3/20/2023	Kuhnle Brothers	256729	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1508	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383447	3/20/2023	Kuhnle Brothers	256729	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1509	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383448	3/20/2023	Kuhnle Brothers	255950	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1510	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384503	3/20/2023	Kuhnle Brothers	255950	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1511	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384501	3/20/2023	Kuhnle Brothers	266240/255950	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1512	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384534	3/20/2023	Kuhnle Brothers	266240	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1513	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384532	3/20/2023	Kuhnle Brothers	266240	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1514	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240808	2/22/2023	Robbie D Wood	AL4944	Frac Tank	SIRV101	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	5,150	5,179	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1515	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240791	2/23/2023	Kuhnle Brothers	266384/513A	Frac Tank	1221	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1516	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	6440232333	025240792	2/22/2023	Kuhnle Brothers	251782	Frac Tank	731	Romulus U.S. Ecology	28470 Citrin Drive Romulus, MI 48174	MIR000016055	Received	5,139	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1517	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253792	3/20/2023	Kuhnle Brothers	257019	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1518	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383445	3/20/2023	Kuhnle Brothers	257019	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,050	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1519	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383446	3/20/2023	Kuhnle Brothers	756729	Frac Tank	1121	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1520	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384509	3/20/2023	Kuhnle Brothers	AL4710	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1521	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383443	3/20/2023	Kuhnle Brothers	531A	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1522	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383444	3/20/2023	Kuhnle Brothers	AL4710 / 531A	Frac Tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1523	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384557	3/20/2023	Heritage Transport	253085 / 252007	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1524	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384647	3/20/2023	Heritage Transport	253085	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1525	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383479	3/20/2023	Heniff Transportation	AL4710	Frac Tank	3RG23164	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1526	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384635	3/20/2023	Kuhnle Brothers	531A	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1527	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025240818	2/22/2023	Action Resources	513A	Frac Tank	SIR0008	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	Received	4,493	4,815	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1528	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384633	3/21/2023	Kuhnle Brothers	AL4944	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,056	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1529	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383439	3/21/2023	Kuhnle Brothers	AL4944	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1530	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384634	3/21/2023	Kuhnle Brothers	AL4944	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1531	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383437	3/21/2023	Kuhnle Brothers	AL4944	Frac Tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,056	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1532	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383441	3/21/2023	Kuhnle Brothers	AL4944	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,123	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1533	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384628	3/21/2023	Kuhnle Brothers	AL5679	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,248	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1534	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384627	3/21/2023	Kuhnle Brothers	AL5679	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,056	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1535	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384626	3/21/2023	Kuhnle Brothers	AL5679	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1536	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384614	3/21/2023	Kuhnle Brothers	AL4216/ AL5679	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1537	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384625	3/21/2023	Kuhnle Brothers	574B/AL 5735/AL 4216	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1538	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384613	3/21/2023	Kuhnle Brothers	574B	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,069	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1539	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383436	3/21/2023	Kuhnle Brothers	574B	Frac Tank	1221	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1540	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384612	3/21/2023	Kuhnle Brothers	574B	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,056	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1541	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384624	3/21/2023	Kuhnle Brothers	AL4735 / 574B	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1542	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384611	3/21/2023	Kuhnle Brothers	AL5735	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1543	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384623	3/21/2023	Kuhnle Brothers	AL5735	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1544	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383440	3/21/2023	Kuhnle Brothers	513A	Frac Tank	1121	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1545	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384599	3/21/2023	Kuhnle Brothers	266384	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,108	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1546	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384598	3/21/2023	Kuhnle Brothers	266384	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1547	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383438	3/21/2023	Kuhnle Brothers	266384	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1548	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384643	3/21/2023	Kuhnle Brothers	555D	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1549	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384644	3/21/2023	Kuhnle Brothers	460119- 555D	Frac Tank	769	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1550	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383442	3/21/2023	Kuhnle Brothers	460119	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1551	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384642	3/21/2023	Kuhnle Brothers	460119	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1552	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384641	3/21/2023	Kuhnle Brothers	251014 / 460119	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1553	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384640	3/21/2023	Kuhnle Brothers	251014	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1554	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384639	3/21/2023	Kuhnle Brothers	251014	Frac Tank	768	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1555	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384638	3/21/2023	Kuhnle Brothers	251320 / 27599	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1556	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384637	3/21/2023	Kuhnle Brothers	251320	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1557	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384636	3/21/2023	Kuhnle Brothers	251320	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1558	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384622	3/21/2023	Kuhnle Brothers	AL4944	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,100	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1559	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384645	3/22/2023	Kuhnle Brothers	AL4944/ 256043	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1560	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384600	3/22/2023	Kuhnle Brothers	256043	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1561	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384646	3/22/2023	Kuhnle Brothers	AL4944	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1562	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383346	3/22/2023	Kuhnle Brothers	256043	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,263	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1563	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383345	3/22/2023	Kuhnle Brothers	256043	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1564	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383401	3/22/2023	Kuhnle Brothers	513A	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,122	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1565	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384711	3/22/2023	Kuhnle Brothers	AL4771	Frac Tank	1121	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1566	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384712	3/22/2023	Kuhnle Brothers	AL4771	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1567	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384714	3/22/2023	Kuhnle Brothers	AL4771	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,013	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1568	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384601	3/22/2023	Kuhnle Brothers	AL4944	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1569	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384602	3/22/2023	Kuhnle Brothers	AL4944	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1570	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384603	3/22/2023	Kuhnle Brothers	AL4944/ AL5679	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1571	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384604	3/22/2023	Kuhnle Brothers	AL5679	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1572	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384605	3/22/2023	Kuhnle Brothers	AL5679/ AL4944	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,269	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1573	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384606	3/22/2023	Kuhnle Brothers	AL9499	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1574	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384710	3/22/2023	Kuhnle Brothers	AL5679	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1575	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383344	3/22/2023	Kuhnle Brothers	521B	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1576	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384631	3/22/2023	Kuhnle Brothers	AL4944	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1577	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383173	3/22/2023	Kuhnle Brothers	AL4944	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,058	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1578	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384607	3/22/2023	Kuhnle Brothers	AL4944	Frac Tank	872	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1579	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384608	3/22/2023	Kuhnle Brothers	AL4944/ AL4787	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1580	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384616	3/22/2023	Kuhnle Brothers	531A	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1581	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384713	3/22/2023	Kuhnle Brothers	AL4771	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1582	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384746	3/22/2023	Kuhnle Brothers	532A/52 1B	Frac Tank	1264	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,050	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1583	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384615	3/22/2023	Kuhnle Brothers	521B	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1584	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384590	3/22/2023	Kuhnle Brothers	251079	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1585	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384588	3/22/2023	Kuhnle Brothers	251026	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1586	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384589	3/22/2023	Kuhnle Brothers	251026	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1587	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384596	3/22/2023	Kuhnle Brothers	AL4755	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1588	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384587	3/22/2023	Kuhnle Brothers	755 / 251	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1589	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384595	3/22/2023	Kuhnle Brothers	AL4755	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5056	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1590	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384597	3/22/2023	Kuhnle Brothers	AL4754	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1591	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384593	3/22/2023	Kuhnle Brothers	AL4754	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1592	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384592	3/22/2023	Kuhnle Brothers	AL4754	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1593	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025383434	3/22/2023	Kuhnle Brothers	AL4754	Frac Tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,248	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1594	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384702	3/22/2023	Kuhnle Brothers	251079	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1595	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384708	3/23/2023	Kuhnle Brothers	501F	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1596	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384591	3/23/2023	Kuhnle Brothers	251079/251091	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1597	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384701	3/23/2023	Kuhnle Brothers	501F/252007	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1598	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384700	3/23/2023	Kuhnle Brothers	252007	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1599	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384698	3/23/2023	Kuhnle Brothers	252007	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,056	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1600	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384695	3/23/2023	Kuhnle Brothers	252007/253085	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1601	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384696	3/23/2023	Kuhnle Brothers	253085	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,006	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1602	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384703	3/23/2023	Kuhnle Brothers	251091	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,036	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1603	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384706	3/23/2023	Kuhnle Brothers	501F	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1604	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384704	3/23/2023	Kuhnle Brothers	251091	Frac Tank	943	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1605	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384705	3/23/2023	Kuhnle Brothers	251091 / 501F	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1606	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384722	3/23/2023	Kuhnle Brothers	251650	Frac Tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,997	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1607	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384715	3/23/2023	Kuhnle Brothers	253085	Frac Tank	1254	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,864	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1608	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384721	3/23/2023	Kuhnle Brothers	AL4755	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1609	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384709	3/23/2023	Kuhnle Brothers	251026	Frac Tank	633	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,023	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1610	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384720	3/23/2023	Kuhnle Brothers	256094	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,995	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1611	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384716	3/23/2023	Kuhnle Brothers	251863/251633	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1612	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384747	3/23/2023	Kuhnle Brothers	251478	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,982	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1613	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384652	3/23/2023	Kuhnle Brothers	532A	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1614	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384880	3/23/2023	Kuhnle Brothers	251026	Frac Tank	677	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,124	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1615	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384651	3/23/2023	Kuhnle Brothers	251026/AL4755	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,065	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1616	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384619	3/23/2023	Kuhnle Brothers	AL4755	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1617	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384618	3/23/2023	Kuhnle Brothers	513A	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1618	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383343	3/23/2023	Kuhnle Brothers	513A	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1619	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384649	3/23/2023	Kuhnle Brothers	513A	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1620	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384610	3/23/2023	Kuhnle Brothers	253085	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,863	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1621	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384882	3/23/2023	Kuhnle Brothers	251650	Frac Tank	1194	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1622	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384781	3/23/2023	Kuhnle Brothers	251633/2560944	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1623	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384879	3/23/2023	Kuhnle Brothers	251478	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1624	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384867	3/23/2023	Kuhnle Brothers	251321	Frac Tank	1195	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1625	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384779	3/23/2023	Kuhnle Brothers	251683	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1626	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253791	3/23/2023	Kuhnle Brothers	251321	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1627	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384648	3/23/2023	Kuhnle Brothers	532A	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1628	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384621	3/23/2023	Kuhnle Brothers	2.5E+07	Frac Tank	532A	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1629	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384785	3/23/2023	Kuhnle Brothers	256094	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,997	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1630	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384630	3/23/2023	Kuhnle Brothers	256094	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1631	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384629	3/23/2023	Kuhnle Brothers	251478	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1632	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384719	3/23/2023	Kuhnle Brothers	251871	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,140	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1633	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384723	3/23/2023	Kuhnle Brothers	AL5645	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,957	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1634	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384664	3/23/2023	Kuhnle Brothers	251650/AL5645	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1635	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384878	3/23/2023	Kuhnle Brothers	251321/251683	Frac Tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1636	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384877	3/23/2023	Kuhnle Brothers	251683	Frac Tank	1008	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,961	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1637	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384876	3/23/2023	Kuhnle Brothers	251633	Frac Tank	898	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,961	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1638	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384874	3/23/2023	Kuhnle Brothers	252651	Frac Tank	649	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1639	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384657	3/23/2023	Kuhnle Brothers	252651	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1640	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384769	3/23/2023	Kuhnle Brothers	AL5645	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1641	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384662	3/23/2023	Kuhnle Brothers	252651	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1642	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384661	3/23/2023	Kuhnle Brothers	251871	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1643	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384875	3/23/2023	Kuhnle Brothers	251321	Frac Tank	1214	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,957	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1644	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384673	3/23/2023	Kuhnle Brothers	560B	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1645	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384674	3/23/2023	Kuhnle Brothers	560B	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1646	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384675	3/23/2023	Kuhnle Brothers	560B	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1647	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384665	3/23/2023	Kuhnle Brothers	AL4787	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1648	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384666	3/23/2023	Kuhnle Brothers	AL4787	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1649	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384667	3/23/2023	Kuhnle Brothers	AL4787	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1650	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384669	3/23/2023	Kuhnle Brothers	AL4216	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,056	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1651	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384671	3/23/2023	Kuhnle Brothers	560B	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1652	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384672	3/23/2023	Kuhnle Brothers	AL4216/560B	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1653	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384668	3/23/2023	Kuhnle Brothers	AL4787/AL4216	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,075	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1654	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384676	3/24/2023	Kuhnle Brothers	5679	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1655	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384677	3/24/2023	Kuhnle Brothers	560B / 5679	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1656	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384678	3/24/2023	Kuhnle Brothers	5679	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,056	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1657	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384679	3/24/2023	Kuhnle Brothers	5679 / 4944	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1658	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384680	3/24/2023	Kuhnle Brothers	4944	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1659	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384681	3/24/2023	Kuhnle Brothers	4944	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1660	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384682	3/24/2023	Kuhnle Brothers	4944	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1661	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384683	3/24/2023	Kuhnle Brothers	4944/564B	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1662	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384684	3/24/2023	Kuhnle Brothers	569B	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1663	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384685	3/24/2023	Kuhnle Brothers	569B	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,036	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1664	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384686	3/24/2023	Kuhnle Brothers	559B/251694	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1665	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384687	3/24/2023	Kuhnle Brothers	251699	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1666	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384688	3/24/2023	Kuhnle Brothers	251699	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1667	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384718	3/24/2023	Kuhnle Brothers	511A	Frac Tank	817	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273818	In Transit	4,954	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1668	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384717	3/24/2023	Kuhnle Brothers	511A	Frac Tank	1121	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,883	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1669	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384931	3/24/2023	Heniff Transportation	AL4787	Frac Tank	41-3948	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1670	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384930	3/24/2023	Heniff Transportation	AL4787	Frac Tank	111282	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1671	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384863	3/24/2023	Kuhnle Brothers	AL4787	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1672	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384860	3/24/2023	Kuhnle Brothers	511A/566B	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1673	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384864	3/24/2023	Kuhnle Brothers	AL4710	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1674	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384859	3/24/2023	Kuhnle Brothers	251650/511A	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,891	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1675	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384858	3/24/2023	Kuhnle Brothers	251650	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,850	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1676	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384857	3/24/2023	Kuhnle Brothers	251650	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1677	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384861	3/24/2023	Kuhnle Brothers	251650	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,891	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1678	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384693	3/24/2023	Kuhnle Brothers	257761	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1679	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384692	3/24/2023	Kuhnle Brothers	257761	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,893	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1680	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384911	3/24/2023	Quality Carriers	593D	Frac Tank	701137	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,982	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1681	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384929	3/24/2023	Heniff Transportation	593D	Frac Tank	11-1231	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1682	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384912	3/24/2023	Heniff Transportation	566B/593D	Frac Tank	1884	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,889	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1683	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384881	3/24/2023	Kuhnle Brothers	566B	Frac Tank	1216	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1684	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384690	3/24/2023	Kuhnle Brothers	566B	Frac Tank	922	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,983	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1685	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384932	3/24/2023	Heniff Transportation	531A	Frac Tank	11-1229	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1686	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384726	3/24/2023	Kuhnle Brothers	531A	Frac Tank	768	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1687	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384910	3/24/2023	Quality Carriers	AL5484	Frac Tank	CH7146	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1688	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384724	3/24/2023	Kuhnle Brothers	574B	Frac Tank	926	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1689	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384865	3/24/2023	Kuhnle Brothers	AL5484	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,058	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1690	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384659	3/24/2023	Kuhnle Brothers	AL4710/AL5484	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1691	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384862	3/24/2023	Kuhnle Brothers	AL4710	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1692	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384866	3/24/2023	Kuhnle Brothers	AL4710	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1693	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384819	3/24/2023	Kuhnle Brothers	251871	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,948	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1694	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384928	3/24/2023	Heniff Transportation	593D/572A	Frac Tank	DH08	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,930	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1695	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384697	3/24/2023	Kuhnle Brothers	257761/251871	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1696	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384694	3/24/2023	Kuhnle Brothers	257761	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,891	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1697	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384727	3/24/2023	Kuhnle Brothers	593D	Frac Tank	922	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,983	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1698	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384927	3/24/2023	Heniff Transportation	572A	Frac Tank	00071	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1699	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384933	3/24/2023	Heniff Transportation	531A / 574B	Frac Tank	00066	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1700	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384725	3/24/2023	Kuhnle Brothers	574B	Frac Tank	550/872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,065	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1701	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384830	3/24/2023	Kuhnle Brothers	257204	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1702	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384829	3/24/2023	Kuhnle Brothers	572A / 257204	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1703	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384828	3/24/2023	Kuhnle Brothers	572A	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1704	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384908	3/24/2023	Quality Carriers	572A	Frac Tank	700507	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1705	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383480	3/24/2023	Heniff Transportation	572A / 507F	Frac Tank	11-1122	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1706	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384825	3/24/2023	Kuhnle Brothers	572A	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,056	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1707	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384909	3/24/2023	Quality Carriers	507F	Frac Tank	R124	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1708	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384827	3/24/2023	Kuhnle Brothers	251688	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1709	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384826	3/24/2023	Kuhnle Brothers	251688	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1710	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384824	3/24/2023	Kuhnle Brothers	251851 / 251688	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1711	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384823	3/24/2023	Kuhnle Brothers	251851	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1712	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384822	3/24/2023	Kuhnle Brothers	251851	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1713	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384821	3/24/2023	Kuhnle Brothers	251871	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,056	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1714	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384820	3/24/2023	Kuhnle Brothers	251871	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1715	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384831	3/25/2023	Kuhnle Brothers	257204	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1716	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384838	3/25/2023	Kuhnle Brothers	AL4754	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1717	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384837	3/25/2023	Kuhnle Brothers	251026	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1718	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384839	3/25/2023	Kuhnle Brothers	AL4754	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1719	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384836	3/25/2023	Kuhnle Brothers	251026	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1720	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384835	3/25/2023	Kuhnle Brothers	251026	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1721	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384834	3/25/2023	Kuhnle Brothers	251060	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,056	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1722	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384833	3/25/2023	Kuhnle Brothers	251060	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1723	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384832	3/25/2023	Kuhnle Brothers	251060	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,006	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1724	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384818	3/25/2023	Kuhnle Brothers	266240	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,058	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1725	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384814	3/25/2023	Kuhnle Brothers	266240	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1726	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384934	3/25/2023	Heniff Transportation	266240 / 255950	Frac Tank	2615	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,047	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1727	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384902	3/25/2023	Quality Carriers	255950	Frac Tank	T510S	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,047	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1728	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384915	3/25/2023	Heniff Transportation	255950	Frac Tank	11672	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1729	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384904	3/25/2023	Quality Carriers	251320	Frac Tank	702814	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1730	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384913	3/25/2023	Heniff Transportation	521B	Frac Tank	CC7083	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,099	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1731	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384843	3/25/2023	Kuhnle Brothers	521B/251026/AL4755	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1732	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384793	3/25/2023	Kuhnle Brothers	AL4755	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,093	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1733	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384795	3/25/2023	Kuhnle Brothers	AL4755	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1734	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384797	3/25/2023	Kuhnle Brothers	AL4755	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1735	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384791	3/25/2023	Kuhnle Brothers	North Ditch	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1736	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384761	3/25/2023	Kuhnle Brothers	North Ditch	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1737	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384759	3/25/2023	Kuhnle Brothers	North Ditch	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1738	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384763	3/25/2023	Kuhnle Brothers	North Ditch	Frac Tank	549	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1739	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384907	3/25/2023	Quality Carriers	AL4755 / 532A	Frac Tank	701920	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,977	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1740	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384789	3/25/2023	Kuhnle Brothers	North Ditch	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1741	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384914	3/25/2023	Heniff Transportation	256729	Frac Tank	11936	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1742	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384813	3/25/2023	Kuhnle Brothers	256729	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1743	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384903	3/25/2023	Quality Carriers	256729	Frac Tank	70579	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1744	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384916	3/25/2023	Heniff Transportation	251320	Frac Tank	11462	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1745	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384906	3/25/2023	Quality Carriers	251320	Frac Tank	70774	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1746	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384842	3/25/2023	Kuhnle Brothers	521B	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1747	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384841	3/25/2023	Kuhnle Brothers	AL4754 / 521B	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,036	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1748	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384840	3/25/2023	Kuhnle Brothers	AL4754	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1749	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384799	3/25/2023	Kuhnle Brothers	AL4771	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1750	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384900	3/25/2023	Quality Carriers	AL4771	Frac Tank	701643	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,977	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1751	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384801	3/25/2023	Kuhnle Brothers	532A	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1752	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384926	3/25/2023	Heniff Transportation	532A	Frac Tank	11-1246	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,994	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1753	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384850	3/26/2023	Kuhnle Brothers	507F	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG4
1754	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384849	3/26/2023	Kuhnle Brothers	507F	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,056	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG5
1755	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384848	3/26/2023	Kuhnle Brothers	5740/507F	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG6
1756	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384847	3/26/2023	Kuhnle Brothers	574D	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG7
1757	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384846	3/26/2023	Kuhnle Brothers	574D	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG8
1758	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384851	3/26/2023	Kuhnle Brothers	257024	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG9
1759	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384852	3/26/2023	Kuhnle Brothers	27204	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG10
1760	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384803	3/26/2023	Kuhnle Brothers	257204	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG11
1761	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384765	3/26/2023	Kuhnle Brothers	574B	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,976	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1762	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384845	3/26/2023	Kuhnle Brothers	507F	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1763	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384844	3/26/2023	Kuhnle Brothers	507F	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1764	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384656	3/26/2023	Kuhnle Brothers	572A	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,973	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1765	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384655	3/26/2023	Kuhnle Brothers	572A	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1766	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384729	3/26/2023	Kuhnle Brothers	572A	Frac Tank	769	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1767	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384654	3/26/2023	Kuhnle Brothers	593D	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,973	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1768	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384755	3/26/2023	Kuhnle Brothers	AL5484	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,988	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1769	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384787	3/26/2023	Kuhnle Brothers	AL5484	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1770	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383347	3/26/2023	Kuhnle Brothers	AL5484	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1771	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384817	3/26/2023	Kuhnle Brothers	251014/257019	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,893	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1772	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384810	3/26/2023	Kuhnle Brothers	257019	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1773	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384811	3/26/2023	Kuhnle Brothers	257019	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1774	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384812	3/26/2023	Kuhnle Brothers	257019	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1775	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383348	3/26/2023	Kuhnle Brothers	AL5484	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1776	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384887	3/26/2023	Quality Carriers	4743/AL5484	Frac Tank	702867	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1777	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384855	3/26/2023	Kuhnle Brothers	5748	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1778	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384856	3/26/2023	Kuhnle Brothers	574B	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1779	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384925	3/26/2023	Heniff Transportation	566B/592D	Frac Tank	1299	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1780	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384653	3/26/2023	Kuhnle Brothers	593D	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1781	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384888	3/26/2023	Quality Carriers	593D	Frac Tank	707997	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,889	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1782	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383485	3/26/2023	Heniff Transportation	251014	Frac Tank	213698	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1783	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383469	3/26/2023	Heniff Transportation	AL4710	Frac Tank	213707	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,086	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1784	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384771	3/26/2023	Kuhnle Brothers	AL4710	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,010	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1785	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384783	3/26/2023	Kuhnle Brothers	566B	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,892	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1786	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384658	3/26/2023	Kuhnle Brothers	AL5645	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1787	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH893850	025384728	3/26/2023	Kuhnle Brothers	260119	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,050	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1788	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384816	3/26/2023	Kuhnle Brothers	260119	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1789	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384663	3/26/2023	Kuhnle Brothers	566B / AL5645	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,973	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1790	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384965	3/26/2023	Kuhnle Brothers	AL4754	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1791	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384957	3/26/2023	Kuhnle Brothers	AL4754	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,976	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1792	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384956	3/26/2023	Kuhnle Brothers	521B	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,970	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1793	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384955	3/26/2023	Kuhnle Brothers	521B	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,964	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1794	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384966	3/26/2023	Kuhnle Brothers	532A / 521B	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,975	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1795	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384660	3/26/2023	Kuhnle Brothers	532A	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,942	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1796	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384954	3/26/2023	Kuhnle Brothers	532A	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,938	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1797	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384775	3/26/2023	Kuhnle Brothers	532A	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,953	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1798	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384889	3/26/2023	Quality Carriers	AL4771	Frac Tank	703096	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1799	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384953	3/26/2023	Kuhnle Brothers	AL4771	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1800	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384952	3/26/2023	Kuhnle Brothers	AL4771	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,976	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1801	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384964	3/26/2023	Kuhnle Brothers	AL4754 / AL4755	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,953	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1802	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384970	3/27/2023	Kuhnle Brothers	513A	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,958	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1803	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384967	3/27/2023	Kuhnle Brothers	513A	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,953	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1804	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384968	3/27/2023	Kuhnle Brothers	251026 / 513A	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1805	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384961	3/27/2023	Kuhnle Brothers	251026	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,976	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1806	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384960	3/27/2023	Kuhnle Brothers	251026	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,964	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1807	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384962	3/27/2023	Kuhnle Brothers	AL4755 / 251026	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,975	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1808	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384959	3/27/2023	Kuhnle Brothers	AL4755	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,942	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1809	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384958	3/27/2023	Kuhnle Brothers	AL4755	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,958	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1810	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384969	3/27/2023	Kuhnle Brothers	513A / 266384	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,942	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG12
1811	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383468	3/27/2023	Kuhnle Brothers	251688	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,953	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1812	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384871	3/27/2023	Kuhnle Brothers	251688	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1813	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384972	3/27/2023	Kuhnle Brothers	251688	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,976	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1814	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384971	3/27/2023	Kuhnle Brothers	266384	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,964	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1815	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384973	3/27/2023	Kuhnle Brothers	266384	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,975	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1816	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384735	3/27/2023	Kuhnle Brothers	511A/593D	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,995	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1817	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384982	3/27/2023	Kuhnle Brothers	511A	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,893	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1818	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384983	3/27/2023	Kuhnle Brothers	511A	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1819	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384736	3/27/2023	Kuhnle Brothers	251650/ 511A	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,905	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1820	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383484	3/27/2023	Heniff Transportation	251650	Frac Tank	5246	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,968	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1821	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384809	3/27/2023	Kuhnle Brothers	572A/507F	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1822	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384890	3/27/2023	Quality Carriers	593D	Frac Tank	701865	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,969	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1823	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384987	3/27/2023	Kuhnle Brothers	593D	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1824	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384988	3/27/2023	Kuhnle Brothers	572A	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1825	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384731	3/27/2023	Kuhnle Brothers	537A	Frac Tank	550/872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,997	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1826	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384936	3/27/2023	Heniff Transportation	AL5679	Frac Tank	LT-1879	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,954	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1827	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384992	3/27/2023	Kuhnle Brothers	AL5679	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1828	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384892	3/27/2023	Quality Carriers	593D/572A	Frac Tank	65697	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,983	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1829	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384975	3/27/2023	Kuhnle Brothers	531A	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1830	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384976	3/27/2023	Kuhnle Brothers	531A/AL4735	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1831	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384986	3/27/2023	Kuhnle Brothers	251650	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1832	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384984	3/27/2023	Kuhnle Brothers	AL5645 / 251650	Frac Tank	542	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,976	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1833	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384730	3/27/2023	Kuhnle Brothers	AL5645	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,757	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1834	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383486	3/27/2023	Heniff Transportation	AL5645	Frac Tank	11764	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,889	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1835	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384985	3/27/2023	Kuhnle Brothers	AL5645	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,891	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1836	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384854	3/27/2023	Kuhnle Brothers	531A	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1837	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384974	3/27/2023	Kuhnle Brothers	531A / AL4787	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,973	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1838	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384853	3/27/2023	Kuhnle Brothers	AL4787	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1839	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384815	3/27/2023	Kuhnle Brothers	AL4787	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1840	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383482	3/27/2023	Heniff Transportation	AL4710 / AL4787	Frac Tank	1582	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,997	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1841	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384977	3/27/2023	Kuhnle Brothers	AL4735	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1842	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384773	3/27/2023	Kuhnle Brothers	AL4735	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,997	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1843	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384980	3/27/2023	Kuhnle Brothers	AL4735	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,058	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1844	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384935	3/27/2023	Heniff Transportation	AL4735	Frac Tank	11-67B	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1845	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384734	3/27/2023	Kuhnle Brothers	256043 / 537A	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,957	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1846	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384732	3/27/2023	Kuhnle Brothers	537A	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1847	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384991	3/27/2023	Kuhnle Brothers	537A	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,500	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1848	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384733	3/27/2023	Kuhnle Brothers	572A	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,982	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1849	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384990	3/27/2023	Kuhnle Brothers	537A / AL4944	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1850	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384989	3/27/2023	Kuhnle Brothers	AL4944 / AL5679	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,003	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1851	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384999	3/27/2023	Kuhnle Brothers	251782 / 251871	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,980	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1852	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025385000	3/27/2023	Kuhnle Brothers	251782	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,971	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1853	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384807	3/27/2023	Kuhnle Brothers	251782	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,958	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1854	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384808	3/27/2023	Kuhnle Brothers	251782	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,953	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1855	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427025	3/28/2023	Kuhnle Brothers	252651 / 251688	Frac Tank	1254	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,976	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1856	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384886	3/28/2023	Kuhnle Brothers	AL4787	Frac Tank	1006	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1857	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384743	3/28/2023	Kuhnle Brothers	AL5679 / 560B	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1858	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384739	3/28/2023	Kuhnle Brothers	AL4216	Frac Tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,997	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1859	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384738	3/28/2023	Kuhnle Brothers	AL4787	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,997	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1860	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384873	3/28/2023	Kuhnle Brothers	AL4216	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1861	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384872	3/28/2023	Kuhnle Brothers	560B	Frac Tank	1212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1862	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253983	3/28/2023	Robbie D Wood	560B / AL4216	Frac Tank	LT2286	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,962	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1863	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384740	3/28/2023	Kuhnle Brothers	560B	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1864	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427019	3/28/2023	Kuhnle Brothers	252651	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,971	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1865	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427020	3/28/2023	Kuhnle Brothers	252651	Frac Tank	746	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,997	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1866	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427018	3/28/2023	Kuhnle Brothers	252651	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,980	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1867	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384742	3/28/2023	Kuhnle Brothers	251871	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,908	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1868	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384741	3/28/2023	Kuhnle Brothers	251871 / 252651	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,905	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1869	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427017	3/28/2023	Kuhnle Brothers	251871	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,953	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1870	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384899	3/27/2023	Quality Carriers	507F	Frac Tank	CH8122	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1871	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384920	3/28/2023	Heniff Transportation	AL5679	Frac Tank	4892	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1872	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383300	3/28/2023	Action Resources	AL4787	Frac Tank	SIR0098	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,954	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1873	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427002	3/28/2023	Kuhnle Brothers	507F	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,948	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1874	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427003	3/28/2023	Kuhnle Brothers	507F	Frac Tank	1195	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1875	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427077	3/29/2023	Robbie D Wood	251782	Frac Tank	LT-2218	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,994	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1876	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384898	3/29/2023	Quality Carriers	257204	Frac Tank	701157	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,982	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1877	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427047	3/29/2023	Kuhnle Brothers	251694	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,997	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1878	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427046	3/29/2023	Kuhnle Brothers	251060	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1879	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427045	3/29/2023	Kuhnle Brothers	251688 / 251782	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,982	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1880	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427008	3/29/2023	Kuhnle Brothers	257204	Frac Tank	1216	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1881	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427012	3/29/2023	Kuhnle Brothers	251688	Frac Tank	771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1882	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427127	3/29/2023	Quality Carriers	257761	Frac Tank	702913	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,989	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1883	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427043	3/29/2023	Kuhnle Brothers	251060	Frac Tank	5501872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,977	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1884	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427007	3/29/2023	Kuhnle Brothers	257761	Frac Tank	633	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1885	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383010	3/29/2023	Action Resources	564B	Frac Tank	SIR0089	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1886	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427041	3/29/2023	Kuhnle Brothers	257761/251871	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,981	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1887	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427042	3/29/2023	Kuhnle Brothers	251694	Frac Tank	542	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,976	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1888	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253997	3/29/2023	Altom Transport	251694	Frac Tank	T21639	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,021	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1889	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427113	3/29/2023	Heniff Transportation	5643	Frac Tank	11879	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,999	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1890	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427022	3/29/2023	Kuhnle Brothers	251871	Frac Tank	733	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,983	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1891	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427115	3/29/2023	Quality Carriers	574D	Frac Tank	7298	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,977	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1892	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427011	3/29/2023	Kuhnle Brothers	251060	Frac Tank	1121	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1893	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427009	3/29/2023	Kuhnle Brothers	572A	Frac Tank	1268	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,016	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1894	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384744	3/29/2023	Kuhnle Brothers	251688	Frac Tank	733	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,983	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1895	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427013	3/29/2023	Kuhnle Brothers	572A	Frac Tank	1214	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,007	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1896	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427128	3/29/2023	Quality Carriers	572A	Frac Tank	702846	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1897	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427044	3/29/2023	Kuhnle Brothers	251782 / 257761	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1898	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384919	3/29/2023	Heniff Transportation	572A / 257204	Frac Tank	LT-748	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,915	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1899	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427132	3/29/2023	Kuhnle Brothers	AL5484	Frac Tank	1194	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,010	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1900	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427131	3/29/2023	Kuhnle Brothers	AL4787	Frac Tank	870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1901	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427130	3/29/2023	Kuhnle Brothers	AL4787	Frac Tank	649	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1902	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384737	3/29/2023	Kuhnle Brothers	AL4787	Frac Tank	922	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,983	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1903	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427116	3/29/2023	Quality Carriers	574D	Frac Tank	703458	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1904	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427122	3/29/2023	Quality Carriers	574D / 593D	Frac Tank	702755	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1905	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384905	3/29/2023	Quality Carriers	593D	Frac Tank	701333	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,100	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1906	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427108	3/30/2023	Heniff Transportation Systems, LLC	AL4735	Frac Tank	5256	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,126	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1907	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427109	3/30/2023	Heniff Transportation Systems, LLC	566B	Frac Tank	70215	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,127	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1908	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427110	3/30/2023	Heniff Transportation Systems, LLC	566B	Frac Tank	11-771	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1909	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384891	3/30/2023	Quality Carriers	593D	Frac Tank	701560 RS	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,170	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1910	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427169	3/30/2023	Vickery Transportation	598D/566B	Frac Tank	7966	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1911	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025384745	3/30/2023	Kuhnle Brothers	AL5645	Frac Tank	871	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,995	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1912	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427168	3/30/2023	Vickery Transportation	AL5645	Frac Tank	5850	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1913	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427083	3/30/2023	Heniff Transportation	532A	Frac Tank	1870	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,982	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1914	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427084	3/30/2023	Heniff Transportation	AL5645	Frac Tank	LT-1761	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,981	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1915	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427053	3/30/2023	Kuhnle Brothers	555D	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1916	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427050	3/30/2023	Kuhnle Brothers	251014	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,958	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1917	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427123	3/30/2023	Quality Carriers	555D	Frac Tank	702930	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1918	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427124	3/30/2023	Quality Carriers	251014	Frac Tank	701682	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,034	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1919	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427049	3/30/2023	Kuhnle Brothers	251014	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1920	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427054	3/30/2023	Kuhnle Brothers	555D	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1921	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427151	3/30/2023	Altom Transport	260119	Frac Tank	T21428	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,998	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1922	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427117	3/30/2023	Quality Carriers	AL4738	Frac tank	65774	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	4,983	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1923	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427157	3/30/2023	Quality Carriers	AL4771/ AL4738	Frac Tank	701858	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	4,969	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1924	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383483	3/30/2023	Heniff Transportation	AL4771	Frac Tank	21-2024	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	4,970	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1925	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427125	3/30/2023	Quality Carriers	AL4771	Frac Tank	4838	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	4,986	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1926	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427082	3/30/2023	Heniff Transportation	AL4771	Frac Tank	CC7063	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1927	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427118	3/30/2023	Quality Carriers	AL4771	Frac tank	21-3413	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	4,989	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1928	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427119	3/30/2023	Quality Carriers	AL4771/ 532A	Frac tank	01117	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	4,973	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1929	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427120	3/30/2023	Quality Carriers	532A	Frac tank	21-1947	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1930	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427121	3/30/2023	Quality Carriers	532A	Frac tank	11-1232	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	4,994	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1931	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427158	3/30/2023	Quality Carriers	511A	Frac tank	700506	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1932	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427165	3/30/2023	Vickery Transportation	511A	Frac tank	63752	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1933	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427051	3/30/2023	Kuhnle Brothers	511A	Frac tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1934	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427052	3/30/2023	Kuhnle Brothers	AL5645/ 511A	Frac tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1935	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427161	3/30/2023	Quality Carriers	257019	Frac tank	702312	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,021	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1936	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427079	3/30/2023	Robbie D Wood	260119	Frac tank	SIRV122	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1937	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427126	3/30/2023	Quality Carriers	260119	Frac tank	702218	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,021	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1938	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427224	3/30/2023	Heniff Transportation	257019 / 256729	Frac tank	111042	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,932	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1939	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427182	3/30/2023	Quality Carriers	257019	Frac tank	702957	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,008	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1940	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384921	3/30/2023	Heniff Transportation	511A	Frac Tank	1093	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1941	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384924	3/30/2023	Heniff Transportation	AL4738	Frac Tank	21-1943	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1942	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427155	3/30/2023	Quality Carriers	511A	Frac Tank	70476	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1943	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427215	3/30/2023	Heniff Transportation	511A	Frac Tank	598	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1944	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384922	3/30/2023	Heniff Transportation	521B	Frac Tank	41-913	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,109	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1945	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384923	3/30/2023	Heniff Transportation	266384	Frac Tank	LT-1480	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,135	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1946	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427106	3/30/2023	Heniff Transportation	521B	Frac Tank	00098	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,122	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1947	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427216	3/30/2023	Heniff Transportation	AL4754	Frac Tank	2603	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,113	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1948	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427217	3/30/2023	Heniff Transportation	AL4755 / 251026	Frac Tank	21-1880	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,096	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1949	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427107	3/30/2023	Heniff Transportation	AL4954	Frac Tank	287	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1950	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253988	3/30/2023	Altom Transport	AL4754	Frac Tank	T21651	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,141	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1951	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383007	3/30/2023	Action Resources	521B	Frac Tank	749026	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,123	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1952	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427163	3/30/2023	Vickery Transportation	513A	Frac tank	63745	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1953	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427164	3/30/2023	Vickery Transportation	4755	Frac Tank	306L	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,155	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1954	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427166	3/30/2023	Vickery Transportation	513A	Frac Tank	KL751	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,061	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1955	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427167	3/30/2023	Vickery Transportation	513A/26 6384	Frac Tank	3069	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,545	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1956	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427174	3/30/2023	Vickery Transportation	4755	Frac Tank	91969	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,142	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1957	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427156	3/30/2023	Quality Carriers	251026	Frac Tank	702797	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1958	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384897	3/30/2023	Quality Carriers	266384	Frac Tank	701732	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,029	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1959	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383217	3/31/2023	Altom Transport	256094	Frac Tank	121450	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1960	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427105	3/31/2023	Heniff Transportation	251026	Frac Tank	11-574	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,105	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1961	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427218	3/31/2023	Heniff Transportation	256094	Frac Tank	41-3948	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,155	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1962	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427175	3/31/2023	Schneider National	257400	Frac Tank	21993	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,001	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1963	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427100	3/31/2023	Heniff Transportation	257400	Frac Tank	11592	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1964	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427099	3/31/2023	Heniff Transportation	501F	Frac Tank	413979	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1965	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427207	3/31/2023	Quality Carriers	501F	Frac Tank	701843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,034	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1966	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427058	3/31/2023	Kuhnle Brothers	252007 / 501F	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1967	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427206	3/31/2023	Quality Carriers	252007	Frac Tank	70790	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1968	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427219	3/31/2023	Heniff Transportation	256094	Tanker Truck	11-487	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1969	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427220	3/31/2023	Heniff Transportation	265276	Tanker Truck	1572	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,127	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1970	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427057	3/31/2023	Kuhnle Brothers	AL4710	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,470	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1971	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427059	3/31/2023	Kuhnle Brothers	AL4710	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1972	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427060	3/31/2023	Kuhnle Brothers	AL4710/ AL5484	Frac Tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1973	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427086	3/31/2023	Heniff Transportation	AL4787	Frac Tank	8023	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,977	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1974	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427090	3/31/2023	Heniff Transportation	AL4787/ AL4710	Frac Tank	CC70103	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,998	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1975	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427173	3/31/2023	Vickery Transporation	257400	Frac Tank	KL752	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1976	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427098	3/31/2023	Heniff Transporation	501F	Frac Tank	11462	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,962	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1977	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427089	3/31/2023	Heniff Transporation	AL5484	Frac Tank	21-1882	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,967	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1978	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427197	3/31/2023	Quality Carriers	AL4787	Frac Tank	703341	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,988	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1979	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427091	3/31/2023	Heniff Transportation	AL4755	Frac Tank	41-3954	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1980	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427085	3/31/2023	Heniff Transportation	AL4755	Frac Tank	LT-548	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,011	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1981	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427056	3/31/2023	Kuhnle Brothers	255950	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,050	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1982	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427201	3/31/2023	Quality Carriers	255950	Frac Tank	70456	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,962	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1983	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427055	3/31/2023	Kuhnle Brothers	251320	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,010	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1984	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427202	3/31/2023	Quality Carriers	251320	Frac Tank	703203	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1985	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427203	3/31/2023	Quality Carriers	251320	Frac Tank	701718	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,904	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1986	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427048	3/31/2023	Kuhnle Brothers	256729	Frac Tank	871	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1987	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427159	3/31/2023	Quality Carriers	253085	Frac Tank	102952	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,008	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1988	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427172	3/31/2023	Vickery Transportation	253085	Frac Tank	VT708	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,889	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1989	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427095	3/31/2023	Heniff Transportation	266265	Frac Tank	43253	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,020	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1990	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427200	3/31/2023	Qualtiy Carriers		Frac Tank	702767	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1991	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427205	3/31/2023	Quality Carriers	252007	Frac Tank	CC70200	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,963	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1992	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427204	3/31/2023	Quality Carriers	252007 / 253085	Frac Tank	CH7325	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,994	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1993	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427152	3/31/2023	Altom Transport	253085	Frac Tank	T21295	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,016	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1994	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427097	3/31/2023	Heniff Transportation	266265	Frac Tank	CC7049	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,956	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1995	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427198	3/31/2023	Quality Carriers	AL4787	Frac Tank	701656	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,977	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1996	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427092	3/31/2023	Heniff Transportation	521B	Frac Tank	43231	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,129	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1997	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427093	4/1/2023	Heniff Transportation	521B	Frac Tank	413934	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,142	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
1998	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427199	4/1/2023	Quality Carriers	521B	Frac Tank	701335	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,102	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
1999	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427094	4/1/2023	Heniff Transportation	257400	Frac Tank	111052	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,155	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2000	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427150	4/1/2023	Allom Transport	257393	Frac Tank	T21238	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,015	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2001	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427104	4/1/2023	Heniff Transportation	257393	Frac Tank	LT-1879	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2002	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427101	4/1/2023	Heniff Transportation	25788	Frac Tank	43-3165	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,051	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2003	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427186	4/1/2023	Quality Carriers	257393 & 251788	Frac Tank	67230	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2004	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427185	4/1/2023	Quality Carriers	251788	Frac Tank	70712	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,007	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2005	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427189	4/1/2023	Quality Carriers	251014	Frac Tank	701137	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,982	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2006	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427034	4/1/2023	Action Resources	555D	Frac Tank	SIR0031	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2007	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427196	4/1/2023	Quality Carriers	555D	Frac Tank	J07796	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2008	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427087	4/1/2023	Heniff Transportation	555D	Frac Tank	3343	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,962	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2009	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427088	4/1/2023	Heniff Transportation	260119	Frac Tank	03402	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,962	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2010	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427195	4/1/2023	Quality Carriers	260119	Frac Tank	65665	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,997	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2011	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427184	4/1/2023	Quality Carriers	251788	Frac Tank	CH8978	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2012	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427102	4/2/2023	Heniff Transportation	AL4735	Frac Tank	11-652	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2013	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427191	4/2/2023	Quality Carriers	AL4735	Frac Tank	703212	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2014	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427214	4/2/2023	Quality Carriers	521B	Frac Tank	702759	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2015	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427223	4/2/2023	Heniff Transportation	521B/251026	Frac Tank	413277	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,998	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2016	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427111	4/2/2023	Heniff Transportation	521B	Frac Tank	11-1239	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2017	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427190	4/2/2023	Quality Carriers	AL4735	Frac Tank	703301	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,986	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2018	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427114	4/2/2023	Heniff Transportation	AL4735	Frac Tank	41-2000	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,969	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2019	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427160	4/2/2023	Quality Carriers	521B	Frac Tank	703096	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2020	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384893	4/3/2023	Quality Carriers	251320	Frac Tank	703320	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2021	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384894	4/3/2023	Quality Carriers	251320/1255950	Frac Tank	703156	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2022	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384895	4/3/2023	Quality Carriers	256729	Frac Tank	703140	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2023	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384978	4/3/2023	Kuhnle Brothers	257019	Frac Tank	851	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2024	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427001	4/3/2023	Kuhnle Brothers	257019/256729	Frac Tank	843	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2025	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427015	4/3/2023	Kuhnle Brothers	598D/512E	Frac Tank	520	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,057	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2026	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427061	4/3/2023	Kuhnle Brothers	AL4735	Frac Tank	542	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2027	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427062	4/3/2023	Kuhnle Brothers	538A	Frac Tank	542	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
2028	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427063	4/3/2023	Kuhnle Brothers	MISSING	Frac Tank	909	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2029	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427064	4/3/2023	Kuhnle Brothers	598D	Frac Tank	976	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2030	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427065	4/3/2023	Kuhnle Brothers	256721/251320	Frac Tank	5501872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2031	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427066	4/3/2023	Kuhnle Brothers	512E	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,980	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2032	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427067	4/3/2023	Kuhnle Brothers	257019	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2033	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427068	4/3/2023	Kuhnle Brothers	512E/256104	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,009	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2034	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427136	4/3/2023	Kuhnle Brothers	538A	Frac Tank	1221	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2035	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427183	4/3/2023	Quality Carriers	598D	Frac Tank	CH7057	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2036	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427230	4/3/2023	Quality Carriers	538A/598D	Frac Tank	703014	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2037	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427231	4/3/2023	Quality Carriers	538A	Frac Tank	702514	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2038	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427137	4/3/2023	Kuhnle Brothers	256729	Frac Tank	1209	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,005	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2039	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427208	4/3/2023	Quality Carriers	251014	Frac Tank	701865	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,034	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2040	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427209	4/3/2023	Quality Carriers	251014/257019	Frac Tank	65697	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,983	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2041	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427212	4/3/2023	Quality Carriers	251014	Frac Tank	702511	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,042	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2042	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427213	4/3/2023	Quality Carriers	251014	Frac Tank	R573	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,982	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2043	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427238	4/3/2023	Quality Carriers	256729	Frac Tank	702259	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2044	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427240	4/3/2023	Quality Carriers	251320	Frac Tank	701333	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,005	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2045	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427241	4/3/2023	Quality Carriers	253950	Frac Tank	703217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2046	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427243	4/4/2023	Quality Carriers	260119	Frac Tank	702952	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,008	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2047	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427070	4/4/2023	Kuhnle Brothers	260119	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2048	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384981	4/4/2023	Kuhnle Brothers	555D / 260119	Frac Tank	794	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,983	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2049	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427266	4/4/2023	Kuhnle Brothers	555D	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2050	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427258	4/4/2023	Altom Transport	555D	Frac Tank	T21284	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2051	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427135	4/4/2023	Kuhnle Brothers	555D	Frac Tank	888	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,988	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2052	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427228	4/4/2023	Heniff Transportation	257400	Frac Tank	21-3251	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,968	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2053	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427225	4/4/2023	Heniff Transportation	251026	Frac Tank	1300	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2054	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427227	4/4/2023	Heniff Transportation	257400	Frac Tank	49-0477	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,998	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2055	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427232	4/4/2023	Quality Carriers	251026	Frac Tank	L8169	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2056	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253643	4/4/2023	SJ Transportation	266240/555D	Frac Tank	TV-250	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,910	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
2057	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253639	4/4/2023	SJ Transportation	266240	Frac Tank	TV-217	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,981	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2058	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427138	4/4/2023	Kuhnle Brothers	266240	Frac Tank	1195	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2059	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427242	4/4/2023	Quality Carriers	266240	Frac Tank	CH7922	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2060	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427141	4/4/2023	Kuhnle Brothers	521B	Frac Tank	731	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2061	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427312	4/4/2023	Heniff Transportation	AL4754	Frac Tank	41-3018	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,962	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2062	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427069	4/4/2023	Kuhnle Brothers	AL4754	Frac Tank	542	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,976	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2063	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427263	4/4/2023	Kuhnle Brothers	251091 & 251079	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2064	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427265	4/4/2023	Kuhnle Brothers	251079	Frac Tank	550/872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2065	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427264	4/4/2023	Kuhnle Brothers	AL4754	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2066	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427267	4/4/2023	Kuhnle Brothers	251079	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2067	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427282	4/4/2023	Kuhnle Brothers	AL4755	Frac Tank	871	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2068	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427112	4/4/2023	Heniff Transportation	AL4755	Frac Tank	70191	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,018	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2069	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384885	4/4/2023	Kuhnle Brothers	AL4755	Frac Tank	1264	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,957	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2070	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427229	4/4/2023	Heniff Transportation	251079 & 257400	Frac Tank	11-1323	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,994	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2071	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427325	4/4/2023	Heniff Transportation	521B	Frac Tank	CC70124	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,151	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2072	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427326	4/4/2023	Heniff Transportation	521B	Frac Tank	1614	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,126	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2073	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427244	4/5/2023	Quality Carriers	251091	Frac Tank	W7583	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,113	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2074	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427311	4/5/2023	Heniff Transportation	2510191	Frac Tank	2995	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,050	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2075	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427396	4/5/2023	Quality Carriers	AL4771	Frac Tank	702027	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2076	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383219	4/5/2023	Altom Transport	AL4771	Frac Tank	T21467	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,026	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2077	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427397	4/5/2023	Quality Carriers	532A	Frac Tank	703406	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,982	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2078	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025383218	4/5/2023	Altom Transport	532A	Frac Tank	T21551	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2079	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427398	4/5/2023	Quality Carriers	251683	Frac Tank	704003	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2080	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427400	4/5/2023	Quality Carriers	532A	Frac Tank	70287	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2081	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427269	4/5/2023	Kuhnle Brothers	532A & 251026	Frac Tank	542	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,926	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2082	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427268	4/5/2023	Kuhnle Brothers	251633	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2083	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427270	4/5/2023	Kuhnle Brothers	251633	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2084	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427271	4/5/2023	Kuhnle Brothers	501C/50 2D	Frac Tank	872/550	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2085	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427272	4/5/2023	Kuhnle Brothers	251633	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
2086	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427274	4/5/2023	Kuhnle Brothers	256094	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2087	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427275	4/5/2023	Kuhnle Brothers	501C	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2088	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427283	4/5/2023	Kuhnle Brothers	265276 & 256094	Frac Tank	677	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2089	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427148	4/5/2023	Kuhnle Brothers	251633 & 256094	Frac Tank	922	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,783	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2090	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384883	4/5/2023	Kuhnle Brothers	AL4754	Frac Tank	1216	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,973	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2091	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427140	4/5/2023	Kuhnle Brothers	521B	Frac Tank	871	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2092	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427149	4/5/2023	Kuhnle Brothers	AL4754	Frac Tank	817	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,954	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2093	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427006	4/5/2023	Kuhnle Brothers	501C	Frac Tank	649	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,029	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2094	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427021	4/5/2023	Kuhnle Brothers	539C	Frac Tank	1214	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,065	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2095	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384869	4/5/2023	Kuhnle Brothers	521B & AL4754	Frac Tank	1213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2096	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427375	4/5/2023	Quality Carriers	AL4755	Frac Tank	703489	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2097	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427376	4/5/2023	Quality Carriers	AL4755	Frac Tank	702404	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2098	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427233	4/5/2023	Quality Carriers	502D & 539C	Frac Tank	702534	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2099	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427402	4/5/2023	Quality Carriers	265276	Frac Tank	703291	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2100	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427401	4/5/2023	Quality Carriers	AL4754	Frac Tank	67819	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2101	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427245	4/5/2023	Quality Carriers	260119/257728	Frac Tank	NK704	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2102	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427246	4/5/2023	Quality Carriers	538A/501C	Frac Tank	701580	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2103	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427247	4/5/2023	Quality Carriers	502D	Frac Tank	702445	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2104	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427248	4/5/2023	Quality Carriers	502D	Frac Tank	701637	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2105	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427309	4/5/2023	Heniff Transportation	AL4755	Frac Tank	11-711	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,916	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2106	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427310	4/5/2023	Heniff Transportation	256094	Frac Tank	11-1276	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2107	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427103	4/5/2023	Heniff Transportation	539C	Frac Tank	21-213	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,021	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2108	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427293	4/5/2023	Heniff Transportation	265276	Frac Tank	CC7025	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,988	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2109	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427294	4/5/2023	Heniff Transportation	521B	Frac Tank	21-3696	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2110	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253974	4/5/2023	SJ Transportation	501C	Frac Tank	TV-290	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2111	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	0252427226	4/5/2023	Heniff Transportation	560F	Frac Tank	1117	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,161	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2112	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427222	4/5/2023	Heniff Transportation	560F	Frac Tank	11-1272	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,091	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2113	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427327	4/5/2023	Heniff Transportation	559F	Frac Tank	43253	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,124	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2114	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427378	4/5/2023	Quality Carriers	559F	Frac Tank	702354	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
2115	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427377	4/5/2023	Quality Carriers	539C	Frac Tank	702840	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,042	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2116	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427250	4/5/2023	Quality Carriers	560F	Frac Tank	702462	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,144	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2117	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427254	4/6/2023	Quality Carriers	559F	Frac Tank	LT-1890	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2118	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427259	4/6/2023	Altom Transport	505E/251766	Frac Tank	T21481	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2119	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427329	4/6/2023	Heniff Transportation	505E	Frac Tank	21-3863	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2120	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427277	4/6/2023	Kuhnle Brothers	251871	Frac Tank	550/872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,997	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2121	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427278	4/6/2023	Kuhnle Brothers	2518	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2122	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427279	4/6/2023	Kuhnle Brothers	251782	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2123	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427280	4/6/2023	Kuhnle Brothers	501F & 257400	Frac Tank	768	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2124	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469502	4/6/2023	Heritage Transport	256104	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2125	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427256	4/6/2023	Altom Transport	251782	Frac Tank	T21510	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2126	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427255	4/6/2023	Altom Transport	513A	Frac Tank	T21302	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,983	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2127	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427073	4/6/2023	Robbie D Wood	501F	Frac Tank	LT-2225	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2128	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427074	4/6/2023	Robbie D Wood	257761	Frac Tank	7740	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2129	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253642	4/6/2023	SJ Transportation	251321	Frac Tank	TV-234	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,984	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2130	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253635	4/6/2023	SJ Transportation	AL4738	Frac Tank	TV235	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,984	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2131	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427276	4/6/2023	Kuhnle Brothers	255950/257019	Frac Tank	542	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,040	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2132	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427412	4/6/2023	Quality Carriers	257728	Frac Tank	CH7820	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,800	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2133	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427411	4/6/2023	Quality Carriers	257728/538B	Frac Tank	SK808	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,020	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2134	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469501	4/6/2023	Heritage Transport	256104	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2135	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253975	4/6/2023	SJ Transportation	538B	Frac Tank	TV-220	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,984	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2136	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469510	4/6/2023	Heritage Transport	256104	Frac Tank	6730	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2137	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469529	4/6/2023	Kuhnle Brothers	538B/566E	Frac Tank	769	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,003	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2138	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427210	4/6/2023	Quality Carriers	255950	Frac Tank	701919	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2139	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469531	4/6/2023	Kuhnle Brothers	566E/577D	Frac Tank	1194	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,800	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2140	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427281	4/6/2023	Kuhnle Brothers	577D	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,027	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2141	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469528	4/6/2023	Kuhnle Brothers	538B	Frac Tank	768	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2142	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469532	4/6/2023	Kuhnle Brothers	255950	Frac Tank	633	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,023	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2143	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427234	4/6/2023	Quality Carriers	257400	Frac Tank	703505	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
2144	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427235	4/6/2023	Quality Carriers	257400	Frac Tank	N6701	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,029	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2145	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427237	4/6/2023	Quality Carriers	251478 & 251321	Frac Tank	651036	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,007	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2146	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427379	4/6/2023	Quality Carriers	251782	Frac Tank	SL075	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2147	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427395	4/6/2023	Quality Carriers	501F	Frac Tank	702174	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,008	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2148	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427443	4/6/2023	Quality Carriers	AL4771	Frac Tank	LA7048	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2149	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427444	4/6/2023	Quality Carriers	251683	Frac Tank	70260	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,695	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2150	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469549	4/6/2023	Quality Carriers	AL4738	Frac Tank	701968	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,977	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2151	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469550	4/6/2023	Quality Carriers	513A	Frac Tank	70712	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,007	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2152	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469551	4/6/2023	Quality Carriers	251478	Frac Tank	703091	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2153	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469552	4/6/2023	Quality Carriers	251478	Frac Tank	702792	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2154	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469553	4/6/2023	Quality Carriers	266384	Frac Tank	702073	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,984	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2155	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469554	4/6/2023	Quality Carriers	251688	Frac Tank	702957	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,008	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2156	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469555	4/6/2023	Quality Carriers	257761	Frac Tank	701803	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,904	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2157	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469556	4/6/2023	Quality Carriers	257761	Frac Tank	67806	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2158	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469557	4/6/2023	Quality Carriers	252007	Frac Tank	70192	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2159	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469558	4/6/2023	Quality Carriers	252007	Frac Tank	703174	Texas Molecular	2525 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2160	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	02546930	4/6/2023	Kuhnle Brothers	566E	Frac Tank	633	Texas Molecular	2526 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,023	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2161	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384997	4/6/2023	Kuhnle Brothers	501F	Frac Tank	1121	Texas Molecular	2527 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,822	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2162	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384979	4/6/2023	Kuhnle Brothers	251079	Frac Tank	872	Texas Molecular	2528 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2163	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427005	4/6/2023	Kuhnle Brothers	266384	Frac Tank	1221	Texas Molecular	2529 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2164	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427004	4/6/2023	Kuhnle Brothers	266384 & 513A	Frac Tank	497	Texas Molecular	2530 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2165	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384996	4/6/2023	Kuhnle Brothers	252651	Frac Tank	911	Texas Molecular	2531 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,943	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2166	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469516	4/6/2023	Kuhnle Brothers	251079 & 251478	Frac Tank	1121	Texas Molecular	2532 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2167	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469517	4/6/2023	Kuhnle Brothers	251478 & 257400	Frac Tank	542	Texas Molecular	2533 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2168	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	02546918	4/6/2023	Kuhnle Brothers	257400	Frac Tank	926	Texas Molecular	2533 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,800	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2169	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384998	4/6/2023	Kuhnle Brothers	251079	Frac Tank	677	Texas Molecular	2534 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2170	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469649	4/6/2023	Kuhnle Brothers	566E	Frac Tank	896	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2171	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469628	4/6/2023	Heniff Transportation	266384	Frac Tank	00598	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,715	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2172	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469630	4/6/2023	Heniff Transportation	251688	Frac Tank	43246	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,949	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
2173	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427308	4/6/2023	Heniff Transportation	AL4738	Frac Tank	11935	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2174	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427295	4/6/2023	Heniff Transportation	251683	Frac Tank	41-3205	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2175	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427296	4/6/2023	Heniff Transportation	251321	Frac Tank	11-1242	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,994	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2176	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469629	4/6/2023	Heniff Transportation	251079	Frac Tank	21-1955	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2177	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469598	4/6/2023	Heniff Transportation	255950	Frac Tank	ML01	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,041	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2178	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427331	4/6/2023	Heniff Transportation	257728	Frac Tank	4719	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,968	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2179	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427403	4/6/2023	Quality Carriers	558E	Frac Tank	65190	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,049	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2180	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427404	4/6/2023	Quality Carriers	558E/59 OD	Frac Tank	CH8021	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2181	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427405	4/6/2023	Quality Carriers	590D	Frac Tank	702755	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2182	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427406	4/6/2023	Quality Carriers	590D/55 9D	Frac Tank	703098	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2183	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427407	4/6/2023	Quality Carriers	559D	Frac Tank	702606	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2184	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427409	4/6/2023	Quality Carriers	512C	Frac Tank	703497	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,154	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2185	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427313	4/6/2023	Heniff Transportation	512C	Frac Tank	7087	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,151	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2186	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469685	4/6/2023	Altom Transport	558E	Frac Tank	T21275	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,016	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2187	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469533	4/6/2023	Kuhnle Brothers	512C	Frac Tank	1121	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,944	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2188	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469534	4/6/2023	Kuhnle Brothers	251766	Frac Tank	1194	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2189	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469535	4/6/2023	Kuhnle Brothers	251766	Frac Tank	1221	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,800	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2190	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469536	4/6/2023	Kuhnle Brothers	559D	Frac Tank	1221	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,950	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2191	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427273	4/6/2023	Kuhnle Brothers	251766	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,873	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2192	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469547	4/6/2023	Kuhnle Brothers	538B	Frac Tank	1215	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2193	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427284	4/7/2023	Kuhnle Brothers	574B	Frac Tank	769	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,009	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2194	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427285	4/7/2023	Kuhnle Brothers	251060/574D	Frac Tank	1215	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,000	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2195	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427287	4/7/2023	Kuhnle Brothers	AL5484	Frac Tank	542	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,976	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2196	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427288	4/7/2023	Kuhnle Brothers	516F	Frac Tank	926	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,044	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2197	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427289	4/7/2023	Kuhnle Brothers	514E/51 6F	Frac Tank	872	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	5,065	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2198	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	OH895850	025427290	4/7/2023	Kuhnle Brothers	514E	Frac Tank	497	Vickery Environmental	3958 State Route 412 Vickery, OH 43464	OHD020273819	In Transit	4,982	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2199	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469511	4/7/2023	SJ Transportation	257204	Frac Tank	TV-214	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,984	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2200	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469512	4/7/2023	SJ Transportation	257204	Frac Tank	TV-215	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,984	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2201	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469686	4/7/2023	Altom Transport	574B & 531A	Frac Tank	T21231	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,983	pending	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
2202	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469687	4/7/2023	Altom Transport	257204	Frac Tank	T21621	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2203	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253985	4/7/2023	Robbie D Wood	555D	Frac Tank	SIRV15	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,012	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2204	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427072	4/7/2023	Robbie D Wood	253085	Frac Tank	LT-2237	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,025	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2205	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427080	4/7/2023	Robbie D Wood	593D	Frac Tank	SIRV1C2	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2206	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025253984	4/7/2023	Robbie D Wood	552B/514E	Frac Tank	LT2286	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2207	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427307	4/7/2023	Heniff Transportation	514E	Frac Tank	CC70168	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,023	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2208	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427314	4/7/2023	Heniff Transportation	251014	Frac Tank	2271	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2209	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427315	4/7/2023	Heniff Transportation	257019	Frac Tank	00522	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,995	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2210	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427316	4/7/2023	Heniff Transportation	251014/257019	Frac Tank	11-1162	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2211	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384570	4/7/2023	Heritage Transport	256104	Frac Tank	6730	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2212	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469599	4/7/2023	Heniff Transportation	256043	Frac Tank	1858	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,014	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2213	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469600	4/7/2023	Heniff Transportation	536E	Frac Tank	11-1253	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,155	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2214	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469601	4/7/2023	Heniff Transportation	536E	Frac Tank	41-3663	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2215	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469602	4/7/2023	Heniff Transportation	531A	Frac Tank	1093	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,962	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2216	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469646	4/7/2023	Heniff Transportation	507F	Frac Tank	2732	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2217	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469647	4/7/2023	Heniff Transportation	AL5886	Frac Tank	DM-52	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,039	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2218	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469715	4/7/2023	Heniff Transportation	AL5484	Frac Tank	11-1254	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2219	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469716	4/7/2023	Heniff Transportation	AL4787	Frac Tank	41-3212	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,971	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2220	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427381	4/7/2023	Quality Carriers	555D	Frac Tank	702431	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,027	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2221	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427382	4/7/2023	Quality Carriers	555D	Frac Tank	702711	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2222	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427387	4/7/2023	Quality Carriers	260119	Frac Tank	70837	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,020	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2223	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427388	4/7/2023	Quality Carriers	251014	Frac Tank	703011	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2224	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427389	4/7/2023	Quality Carriers	257019	Frac Tank	702944	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2225	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427408	4/7/2023	Quality Carriers	559D/536E	Frac Tank	703501	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,147	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2226	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427394	4/7/2023	Quality Carriers	552B	Frac Tank	11343	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2227	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469559	4/7/2023	Quality Carriers	256043	Frac Tank	702952	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2228	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469823	4/7/2023	Quality Carriers	AL5484	Frac Tank	702102	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,916	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2229	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469821	4/7/2023	Quality Carriers	AL4710	Frac Tank	703161	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2230	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469819	4/7/2023	Quality Carriers	AL4710	Frac Tank	702884	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
2231	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469817	4/7/2023	Quality Carriers	AL4710	Frac Tank	702753	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2232	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469815	4/7/2023	Quality Carriers	AL4787	Frac Tank	703320	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,019	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2233	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427393	4/7/2023	Quality Carriers	253085	Frac Tank	LT204	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,030	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2234	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427415	4/7/2023	Quality Carriers	AL5886/507F	Frac Tank	700507	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,028	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2235	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427413	4/7/2023	Quality Carriers	507F/572A	Frac Tank	MT7017	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,016	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2236	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427390	4/7/2023	Quality Carriers	572A	Frac Tank	701669	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,034	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2237	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427414	4/7/2023	Quality Carriers	572A	Frac Tank	702699	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2238	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427391	4/7/2023	Quality Carriers	572A	Frac Tank	703014	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,559	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2239	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427392	4/7/2023	Quality Carriers	593D	Frac Tank	702611	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2240	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469543	4/7/2023	Kuhnle Brothers	257019	Frac Tank	633	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	3,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2241	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469650	4/7/2023	Kuhnle Brothers	260119/251014	Frac Tank	1197	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,048	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2242	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469651	4/7/2023	Kuhnle Brothers	260119	Frac Tank	1209	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,005	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2243	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469546	4/7/2023	Kuhnle Brothers	555D/260119	Frac Tank	1121	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,004	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2244	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427286	4/7/2023	Kuhnle Brothers	577D/555D	Frac Tank	768	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,022	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2245	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469523	4/7/2023	Kuhnle Brothers	516F/577D	Frac Tank	1194	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,069	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2246	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469652	4/7/2023	Kuhnle Brothers	516F	Frac Tank	1121	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,009	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2247	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469537	4/7/2023	Kuhnle Brothers	536E/552B	Frac Tank	1221	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2248	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469538	4/7/2023	Kuhnle Brothers	552B	Frac Tank	1221	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,950	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2249	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427139	4/7/2023	Kuhnle Brothers	253085	Frac Tank	787	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,978	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2250	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469519	4/7/2023	Kuhnle Brothers	256043	Frac Tank	1121	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	2,952	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2251	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469522	4/7/2023	Kuhnle Brothers	531A/AL4735	Frac Tank	911	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,943	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2252	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427142	4/7/2023	Kuhnle Brothers	531A	Frac Tank	895	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2253	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469526	4/7/2023	Kuhnle Brothers	574B	Frac Tank	911	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,993	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2254	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469525	4/7/2023	Kuhnle Brothers	574B	Frac Tank	497	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,013	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2255	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469521	4/7/2023	Kuhnle Brothers	257204/251060	Frac Tank	1194	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,010	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2256	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469520	4/7/2023	Kuhnle Brothers	251060	Frac Tank	633	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,003	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2257	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427147	4/7/2023	Kuhnle Brothers	251060	Frac Tank	520	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2258	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025384884	4/7/2023	Kuhnle Brothers	574D	Frac Tank	1212	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,000	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2259	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469541	4/7/2023	Kuhnle Brothers	507F	Frac Tank	633	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,023	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Container #	Container Type	Trailer ID Number	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Estimated Volume (Gal)	Disposal Facility Volume (Gal)	DOT Proper Shipping Name
2260	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427146	4/7/2023	Kuhnle Brothers	593D	Frac Tank	1194	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,010	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2261	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427416	4/7/2023	Quality Carriers	525F	Frac Tank	703030	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,039	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2262	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025427417	4/7/2023	Quality Carriers	525F	Frac Tank	702539	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,150	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2263	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469717	4/7/2023	Heniff Transportation	552B/525F	Frac Tank	0070137	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	4,839	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2264	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469718	4/7/2023	Heniff Transportation	525F	Frac Tank	11-1094	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,053	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3
2265	Water impacted with vinyl chloride - U043, Listed Hazardous Waste	U043	13230231	025469719	4/7/2023	Heniff Transportation	253326	Frac Tank	6116	Texas Molecular	2537 Independence Rd Deer Park, TX 77536	TXD000719518	In Transit	5,094	<i>pending</i>	NA3082, Hazardous waste, liquid, n.o.s., (vinyl chloride, water), 9, PG3

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
1	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	019181760	2/23/2023	US Bulk Transport	1203A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
2	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240944	2/23/2023	US Bulk Transport	1286A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
3	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240943	2/23/2023	US Bulk Transport	1278A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	26	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
4	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025250940	2/23/2023	US Bulk Transport	155-2A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
5	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240942	2/23/2023	US Bulk Transport	155A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
6	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240941	2/23/2023	US Bulk Transport	168A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
7	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240939	2/24/2023	US Bulk Transport	137A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
8	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240936	2/24/2023	US Bulk Transport	114A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
9	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240937	2/24/2023	US Bulk Transport	176B	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
10	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240938	2/24/2023	US Bulk Transport	185A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
11	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240934	2/24/2023	US Bulk Transport	152A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
12	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240935	2/24/2023	US Bulk Transport	106A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
13	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240933	2/24/2023	US Bulk Transport	190B	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
14	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240932	2/24/2023	US Bulk Transport	1268A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
15	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240931	2/24/2023	US Bulk Transport	1276A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	Received	22	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
16	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240929	2/24/2023	US Bulk Transport	1278A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	In Transit	22		NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
17	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240930	2/24/2023	US Bulk Transport	1286A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	In Transit	22		NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
18	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240928	2/24/2023	US Bulk Transport	1203A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	In Transit	22		NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
19	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240925	2/24/2023	US Bulk Transport	155-2A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	In Transit	22		NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
20	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	B23-8313-WDI	025240927	2/24/2023	US Bulk Transport	155A	Dump truck	US Ecology	49350 North I94 Service Drive Belleville, MI 48111	MID048090633	In Transit	22		NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
21	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316059	2/27/2023	Heritage Transport	HESU49319	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	19	19	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
22	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316062	2/27/2023	Heritage Transport	HESU49413	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	25	19	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
23	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316061	2/27/2023	Heritage Transport	HESU48490	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
24	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316060	2/27/2023	Heritage Transport	MJVU08520	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
25	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	025252120	2/28/2023	US Bulk Transport	190B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	25	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
26	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	0252252121	2/28/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
27	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316063	2/28/2023	Heritage Transport	HESU 49405	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	20	19	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
28	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316064	2/28/2023	Heritage Transport	HESU 48346	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	20	20	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
29	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316065	2/28/2023	Heritage Transport	HESU 49576	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	21	20	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
30	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316066	2/28/2023	Heritage Transport	HESU 49331	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	22	20	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
31	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316067	2/28/2023	Heritage Transport	HESU 49340	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
32	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316068	2/28/2023	Heritage Transport	MJVU 10912	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
33	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316069	2/28/2023	Heritage Transport	HESU 49413	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
34	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316070	2/28/2023	Heritage Transport	HESU 49583	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
35	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-2	001316114	2/28/2023	US Bulk Transport	155A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	22	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
36	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-2	001316115	2/28/2023	US Bulk Transport	155-2A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	22	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
37	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-2	001316113	2/28/2023	US Bulk Transport	1286A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	22	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
38	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316071	3/1/2023	Heritage Transport	MJVU 10933	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
39	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316072	3/1/2023	Heritage Transport	MJVU 03650	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
40	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	025252122	3/1/2023	US Bulk Transport	193-B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
41	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	025252123	3/1/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
42	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	025252261	3/1/2023	US Bulk Transport	136A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
43	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	025252258	3/1/2023	US Bulk Transport	1278A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	22	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
44	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	025252259	3/1/2023	US Bulk Transport	1203A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	22	18	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
45	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316116	3/1/2023	US Bulk Transport	163A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	24	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
46	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316117	3/1/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	24	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
47	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316119	3/1/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	23	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
48	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	025252260	3/1/2023	US Bulk Transport	126A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	24	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
49	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	025252262	3/1/2023	US Bulk Transport	176B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	23	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
50	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316120	3/1/2023	US Bulk Transport	1262-A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	25	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
51	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316073	3/1/2023	Heritage Transport	HESU 49470	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	21	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
52	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316074	3/1/2023	Heritage Transport	ESDU 0095	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
53	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316121	3/1/2023	US Bulk Transport	509A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
54	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316122	3/1/2023	US Bulk Transport	1210A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
55	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316123	3/1/2023	US Bulk Transport	1217A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
56	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316124	3/1/2023	US Bulk Transport	1282A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
57	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316125	3/1/2023	US Bulk Transport	1239A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
58	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316075	3/1/2023	Heritage Transport	HESU 49331	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	21	21	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
59	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316076	3/1/2023	Heritage Transport	HESU 48336	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	20	20	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
60	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316126	3/1/2023	US Bulk Transport	90907	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
61	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316127	3/1/2023	US Bulk Transport	129B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
62	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316128	3/1/2023	US Bulk Transport	144A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
63	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886697	3/1/2023	US Bulk Transport	190-B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
64	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316077	3/1/2023	Heritage Transport	ESDU 0090	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
65	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886696	3/1/2023	US Bulk Transport	146A	Intermodal	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
66	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316078	3/1/2023	Heritage Transport	HESU 48489	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	21	19	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
67	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316129	3/1/2023	US Bulk Transport	1260A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
68	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316079	3/2/2023	Heritage Transport	HESU 49461	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
69	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316080	3/2/2023	Heritage Transport	HESU 48617	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
70	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316081	3/2/2023	Heritage Transport	HESU 48390	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
71	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886695	3/2/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
72	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316082	3/2/2023	Heritage Transport	ESDU 0093	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
73	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316083	3/2/2023	Heritage Transport	HESU 49464	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
74	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316084	3/2/2023	Heritage Transport	MJVU 8495	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	24	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
75	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886694	3/2/2023	US Bulk Transport	190B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	24	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
76	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316085	3/2/2023	Heritage Transport	HESU 49408	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
77	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316086	3/2/2023	Heritage Transport	HESU 48474	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
78	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316138	3/3/2023	US Bulk Transport	124A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	24	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
79	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316087	3/3/2023	Heritage Transport	HESU 49318	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
80	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316139	3/3/2023	US Bulk Transport	174F	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	23	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
81	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316140	3/3/2023	US Bulk Transport	126A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	26	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
82	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316088	3/3/2023	Heritage Transport	HESU 48497	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	24	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
83	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316130	3/3/2023	US Bulk Transport	109A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
84	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316131	3/3/2023	US Bulk Transport	1276A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
85	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316132	3/3/2023	US Bulk Transport	536A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	20	19	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
86	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316133	3/3/2023	US Bulk Transport	1210A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	25	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
87	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316134	3/3/2023	US Bulk Transport	1262A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	25	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
88	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886693	3/3/2023	US Bulk Transport	1217A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
89	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316135	3/3/2023	US Bulk Transport	129B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	24	26	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
90	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316136	3/3/2023	US Bulk Transport	144A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	24	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
91	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316141	3/3/2023	US Bulk Transport	T01	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	23	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
92	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316137	3/3/2023	Beelman Truck Co.	219	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	26	26	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
93	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316089	3/3/2023	Heritage Transport	MJVU 95302	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
94	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316090	3/3/2023	Heritage Transport	HESU 49454	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	23	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
95	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316142	3/3/2023	US Bulk Transport	1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	Received	21	21	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
96	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886692	3/3/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	24	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
97	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886691	3/3/2023	US Bulk Transport	1257A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	23	24	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
98	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316091	3/3/2023	Heritage Transport	HESU 49635	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	21	20	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
99	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316092	3/3/2023	Heritage Transport	HESU 48373	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	23	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
100	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886690	3/3/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	Received	25	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
101	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316093	3/4/2023	Heritage Transport	MJVU 08520	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	25	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
102	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316094	3/4/2023	Heritage Transport	ESDU 0074	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	25	25	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
103	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316095	3/4/2023	Heritage Transport	MJVU 30163	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	22	22	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
104	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316096	3/4/2023	Heritage Transport	HESU 49674	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	Received	21	21	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
105	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886689	3/6/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
106	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886688	3/6/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
107	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316097	3/6/2023	Heritage Transport	HESU 48522	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
108	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316098	3/6/2023	Heritage Transport	HESU 49432	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
109	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316099	3/6/2023	Heritage Transport	HESU 48381	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
110	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316100	3/6/2023	Heritage Transport	MJVU 01886	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
111	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316101	3/6/2023	Heritage Transport	HESU 49420	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
112	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316102	3/6/2023	Heritage Transport	HESU 49312	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
113	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316103	3/6/2023	Heritage Transport	HESU 48160	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
114	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316104	3/6/2023	Heritage Transport	HESU 49483	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
115	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886687	3/6/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
116	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886686	3/6/2023	US Bulk Transport	190-B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
117	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886685	3/7/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
118	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316105	3/7/2023	Heritage Transport	HESU 49350	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
119	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316106	3/7/2023	Heritage Transport	HESU 48370	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
120	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316107	3/7/2023	Heritage Transport	HESU 49345	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
121	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001316108	3/7/2023	Heritage Transport	HESU 48342	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
122	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001292811	3/7/2023	Heritage Transport	HESU 49311	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
123	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001292810	3/7/2023	Heritage Transport	HESU 49438	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
124	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001292809	3/7/2023	Heritage Transport	HESU 48516	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
125	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001292808	3/7/2023	Heritage Transport	HESU 48181	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
126	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886684	3/8/2023	US Bulk Transport	190-B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
127	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886683	3/9/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
128	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886682	3/9/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
129	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886681	3/9/2023	US Bulk Transport	190-B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
130	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886680	3/9/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
131	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886679	3/10/2023	US Bulk Transport	190B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
132	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886678	3/10/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
133	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886677	3/10/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
134	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886676	3/10/2023	US Bulk Transport	129B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
135	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292816	3/13/2023	US Bulk Transport	124A	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
136	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292918	3/13/2023	Page Transport	3234	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
137	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	25383271	3/13/2023	Page Transport	59315	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
138	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	25383272	3/13/2023	Page Transport	4156	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
139	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886674	3/13/2023	US Bulk Transport	137A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
140	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886675	3/13/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
141	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886672	3/14/2023	US Bulk Transport	137A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
142	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886673	3/14/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
143	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292817	3/14/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
144	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292818	3/14/2023	US Bulk Transport	197A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
145	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292819	3/14/2023	US Bulk Transport	119A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
146	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292820	3/14/2023	US Bulk Transport	171-1B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
147	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292821	3/14/2023	US Bulk Transport	136A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
148	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292822	3/14/2023	US Bulk Transport	176B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
149	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292823	3/14/2023	US Bulk Transport	138A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
150	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292824	3/14/2023	US Bulk Transport	156A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
151	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292825	3/14/2023	US Bulk Transport	155A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
152	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292926	3/14/2023	US Bulk Transport	192-2A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
153	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292927	3/14/2023	US Bulk Transport	1276A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
154	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292928	3/14/2023	US Bulk Transport	179A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
155	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292929	3/14/2023	US Bulk Transport	130A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
156	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292930	3/14/2023	US Bulk Transport	1278A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
157	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292931	3/14/2023	US Bulk Transport	1262A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
158	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292932	3/14/2023	US Bulk Transport	146A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
159	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292933	3/14/2023	US Bulk Transport	1217A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
160	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292934	3/14/2023	US Bulk Transport	190-B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
161	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292835	3/14/2023	US Bulk Transport	T01	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
162	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292936	3/14/2023	US Bulk Transport	111A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
163	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292937	3/14/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
164	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292938	3/14/2023	US Bulk Transport	106A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
165	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	154632	024886671	3/15/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
166	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	154632	024886670	3/15/2023	US Bulk Transport	137A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
167	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001325020	3/15/2023	Beelman Truck Co.	219	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
168	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001325019	3/15/2023	Beelman Truck Co.	G763	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
169	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292839	3/15/2023	US Bulk Transport	346A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
170	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292840	3/15/2023	US Bulk Transport	312A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
171	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292841	3/15/2023	US Bulk Transport	303A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
172	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292842	3/15/2023	US Bulk Transport	174-F	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
173	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292843	3/15/2023	US Bulk Transport	174-C	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
174	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001325021	3/15/2023	Beelman Truck Co.	G937	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
175	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292844	3/15/2023	US Bulk Transport	383A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
176	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292845	3/15/2023	US Bulk Transport	348A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
177	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001325022	3/15/2023	Beelman Truck Co.	G15	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
178	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292846	3/15/2023	US Bulk Transport	90924	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
179	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292847	3/15/2023	US Bulk Transport	124A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
180	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292848	3/15/2023	US Bulk Transport	1239A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
181	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292849	3/15/2023	US Bulk Transport	90931	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
182	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292850	3/15/2023	US Bulk Transport	339A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
183	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292851	3/15/2023	US Bulk Transport	1084B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
184	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292852	3/15/2023	US Bulk Transport	10122A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
185	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292853	3/15/2023	US Bulk Transport	3001010	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
186	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292854	3/15/2023	US Bulk Transport	1010A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
187	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292855	3/15/2023	US Bulk Transport	185A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
188	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292856	3/15/2023	US Bulk Transport	150A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
189	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292857	3/15/2023	US Bulk Transport	90932	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
190	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292858	3/15/2023	US Bulk Transport	397A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
191	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292920	3/15/2023	Page Transport	59315	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
192	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292921	3/15/2023	Page Transport	59321	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
193	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292922	3/15/2023	Page Transport	079916	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
194	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292859	3/15/2023	US Bulk Transport	1268A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
195	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292860	3/15/2023	US Bulk Transport	167A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
196	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292923	3/15/2023	Page Transport	74174	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
197	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292924	3/15/2023	Page Transport	97713	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
198	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292925	3/15/2023	Page Transport	L38219	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
199	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	154632	024886669	3/16/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
200	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	154632	024886668	3/16/2023	US Bulk Transport	137A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
201	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292861	3/16/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
202	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292862	3/16/2023	US Bulk Transport	197A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
203	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292863	3/16/2023	US Bulk Transport	142-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
204	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292864	3/16/2023	US Bulk Transport	1251	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
205	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292865	3/16/2023	US Bulk Transport	136A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
206	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292866	3/16/2023	US Bulk Transport	176B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
207	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292867	3/16/2023	US Bulk Transport	1276A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
208	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292868	3/16/2023	US Bulk Transport	119A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
209	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292869	3/16/2023	US Bulk Transport	322A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
210	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292870	3/16/2023	US Bulk Transport	171B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
211	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292871	3/16/2023	US Bulk Transport	138A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
212	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001325023	3/16/2023	Beelman Truck Co.	G818	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
213	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292872	3/16/2023	US Bulk Transport	179-A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
214	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292873	3/16/2023	US Bulk Transport	336A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
215	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292874	3/16/2023	US Bulk Transport	T01	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
216	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292875	3/16/2023	US Bulk Transport	130A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
217	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292876	3/16/2023	US Bulk Transport	22	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
218	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292877	3/16/2023	US Bulk Transport	1249A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
219	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292878	3/16/2023	US Bulk Transport	1278A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
220	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292879	3/16/2023	US Bulk Transport	1262A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
221	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886667	3/16/2023	US Bulk Transport	190B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
222	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886666	3/16/2023	US Bulk Transport	106A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
223	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292880	3/16/2023	US Bulk Transport	538A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
224	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292881	3/16/2023	US Bulk Transport	1282A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
225	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292926	3/16/2023	Page Transport	3234	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
226	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292927	3/15/2023	Page Transport	50654	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
227	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292882	3/16/2023	US Bulk Transport	1286A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
228	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324102	3/16/2023	Heritage Transport	HESU-48379	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	18	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
229	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292883	3/16/2023	US Bulk Transport	1217A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
230	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292929	3/16/2023	Page Transport	7606	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
231	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292928	3/15/2023	Page Transport	402	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
232	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886665	3/16/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
233	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292884	3/16/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
234	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886664	3/17/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
235	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292885	3/17/2023	US Bulk Transport	109A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
236	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292886	3/17/2023	US Bulk Transport	124A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
237	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324103	3/17/2023	Heritage Transport	HESU-48449	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
238	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292887	3/17/2023	US Bulk Transport	348A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
239	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292888	3/17/2023	US Bulk Transport	155A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
240	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292889	3/17/2023	US Bulk Transport	397A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
241	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292930	3/17/2023	US Bulk Transport	303A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
242	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	00129231	3/17/2023	US Bulk Transport	383A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
243	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292890	3/17/2023	US Bulk Transport	174-F	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
244	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292891	3/17/2023	US Bulk Transport	174-C	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
245	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292892	3/17/2023	US Bulk Transport	1084-B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
246	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292893	3/17/2023	US Bulk Transport	30010	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
247	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292894	3/17/2023	US Bulk Transport	10122A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
248	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292895	3/17/2023	US Bulk Transport	1010A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
249	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292896	3/17/2023	US Bulk Transport	1202A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
250	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292897	3/17/2023	US Bulk Transport	1239A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
251	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886956	3/17/2023	US Bulk Transport	190B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
252	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324105	3/17/2023	Heritage Transport	MJVU-03596	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
253	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292898	3/17/2023	US Bulk Transport	90931	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
254	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292899	3/17/2023	US Bulk Transport	1231A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
255	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292933	3/17/2023	Page Transport	59315	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
256	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292934	3/17/2023	Page Transport	59321	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
257	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324104	3/17/2023	Heritage Transport	HESU-49433	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
258	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292900	3/17/2023	US Bulk Transport	167A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
259	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292901	3/17/2023	US Bulk Transport	1253A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
260	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324106	3/17/2023	Heritage Transport	HESU-49431	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
261	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324107	3/18/2023	Heritage Transport	MJVU 15513	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
262	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324108	3/18/2023	Heritage Transport	MJVU10511	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
263	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324109	3/18/2023	Heritage Transport	HESU-15391	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
264	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324110	3/18/2023	Heritage Transport	MJVU 10933	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
265	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292906	3/19/2023	US Bulk Transport	163A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
266	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292905	3/19/2023	US Bulk Transport	179A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
267	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292904	3/19/2023	US Bulk Transport	119A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
268	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292903	3/19/2023	US Bulk Transport	176B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
269	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292902	3/19/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
270	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292908	3/19/2023	US Bulk Transport	138-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
271	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292907	3/19/2023	US Bulk Transport	138A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
272	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292909	3/19/2023	US Bulk Transport	331A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
273	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292910	3/19/2023	US Bulk Transport	351A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
274	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292911	3/19/2023	US Bulk Transport	1276A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
275	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292935	3/19/2023	Page Transport	F43143	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
276	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292912	3/19/2023	US Bulk Transport	1249A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
277	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292913	3/19/2023	US Bulk Transport	130A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
278	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292914	3/19/2023	US Bulk Transport	T01	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
279	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292915	3/19/2023	US Bulk Transport	1231A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
280	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324001	3/19/2023	US Bulk Transport	322A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
281	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292936	3/19/2023	Page Transport	3234	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	29	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
282	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292938	3/19/2023	Page Transport	079916	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
283	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322511	3/19/2023	US Bulk Transport	22	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
284	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322510	3/19/2023	US Bulk Transport	339A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
285	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292937	3/19/2023	Page Transport	7606	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
286	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322509	3/19/2023	US Bulk Transport	336A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
287	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324002	3/19/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
288	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292939	3/19/2023	Page Transport	38219	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
289	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322512	3/19/2023	US Bulk Transport	111A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
290	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886663	3/20/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
291	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886955	3/20/2023	US Bulk Transport	190B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
292	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322513	3/20/2023	US Bulk Transport	124A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
293	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322514	3/20/2023	US Bulk Transport	174-F	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
294	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322515	3/20/2023	US Bulk Transport	174-1C	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
295	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324111	3/20/2023	Heritage Transport	HESU-49319	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
296	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324112	3/20/2023	Heritage Transport	MJVU-02603	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	18	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
297	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322516	3/20/2023	US Bulk Transport	109A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
298	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322517	3/20/2023	US Bulk Transport	155-2A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
299	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322518	3/20/2023	US Bulk Transport	155A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
300	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	1292932	3/20/2023	Page Transport	97713	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
301	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322519	3/20/2023	US Bulk Transport	348A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
302	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322520	3/20/2023	US Bulk Transport	383A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
303	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322521	3/20/2023	US Bulk Transport	303A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
304	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322522	3/20/2023	US Bulk Transport	397A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
305	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322523	3/20/2023	US Bulk Transport	192-2A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
306	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322524	3/20/2023	US Bulk Transport	1286A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
307	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322525	3/20/2023	US Bulk Transport	1084B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
308	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322526	3/20/2023	US Bulk Transport	10122A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
309	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322527	3/20/2023	US Bulk Transport	3001010	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
310	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322528	3/20/2023	US Bulk Transport	1010A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
311	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324113	3/20/2023	Heritage Transport	MJVU-03195	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
312	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322529	3/20/2023	US Bulk Transport	1253A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
313	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322530	3/20/2023	US Bulk Transport	156A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
314	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322531	3/20/2023	US Bulk Transport	1254A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
315	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324114	3/20/2023	Heritage Transport	HESU-48490	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
316	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322532	3/20/2023	US Bulk Transport	1278A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
317	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322533	3/20/2023	US Bulk Transport	1217A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
318	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292940	3/20/2023	Page Transport	467	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
319	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	003124115	3/20/2023	Heritage Transport	MJVU-03596	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
320	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322534	3/20/2023	US Bulk Transport	185A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
321	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322535	3/20/2023	US Bulk Transport	150A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
322	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292941	3/20/2023	Page Transport	255001	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
323	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322536	3/20/2023	US Bulk Transport	90932	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
324	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324116	3/20/2023	Heritage Transport	MJVU10912	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
325	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322537	3/20/2023	US Bulk Transport	90924	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
326	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886954	3/20/2023	US Bulk Transport	190-B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
327	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322538	3/20/2023	US Bulk Transport	142-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
328	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322539	3/20/2023	US Bulk Transport	538A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
329	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324117	3/20/2023	Heritage Transport	HSESU49576	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
330	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292942	3/20/2023	Page Transport	3776	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
331	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886953	3/21/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
332	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322540	3/21/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
333	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322541	3/21/2023	US Bulk Transport	176B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
334	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324118	3/21/2023	Heritage Transport	HESU 49340	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
335	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324119	3/21/2023	Heritage Transport	MJVU 03650	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
336	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322543	3/21/2023	US Bulk Transport	119A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
337	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322544	3/21/2023	US Bulk Transport	333A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
338	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322542	3/21/2023	US Bulk Transport	179A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
339	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322545	3/21/2023	US Bulk Transport	163A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
340	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322546	3/21/2023	US Bulk Transport	514A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
341	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322547	3/21/2023	US Bulk Transport	1276A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
342	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322548	3/21/2023	US Bulk Transport	138A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
343	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322549	3/21/2023	US Bulk Transport	1381A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
344	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322550	3/21/2023	US Bulk Transport	130A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
345	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322551	3/21/2023	US Bulk Transport	129B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
346	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322552	3/21/2023	US Bulk Transport	1231A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
347	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322553	3/21/2023	US Bulk Transport	T-01	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
348	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322554	3/21/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
349	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322555	3/21/2023	US Bulk Transport	322A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
350	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324120	3/21/2023	Heritage Transport	HESU 48346	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	19	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
351	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322556	3/21/2023	US Bulk Transport	336A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
352	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324121	3/21/2023	Heritage Transport	HESU 49413	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
353	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322557	3/21/2023	US Bulk Transport	111A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
354	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322558	3/21/2023	US Bulk Transport	167A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
355	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886952	3/21/2023	US Bulk Transport	190-B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
356	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322559	3/21/2023	US Bulk Transport	339A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
357	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886951	3/22/2023	US Bulk Transport	146A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
358	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886949	3/22/2023	US Bulk Transport	190-B	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
359	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886948	3/23/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
360	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322560	3/23/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
360	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322561	3/23/2023	US Bulk Transport	176B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
362	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322562	3/23/2023	US Bulk Transport	119A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
361	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322563	3/23/2023	US Bulk Transport	179A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
364	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322564	3/23/2023	US Bulk Transport	163A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
362	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322565	3/23/2023	US Bulk Transport	174-F	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
366	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322566	3/23/2023	US Bulk Transport	138A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
367	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322567	3/23/2023	US Bulk Transport	138-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
368	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322568	3/23/2023	US Bulk Transport	155A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
369	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322569	3/23/2023	US Bulk Transport	155-2A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
370	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322570	3/23/2023	US Bulk Transport	129B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
371	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322571	3/23/2023	US Bulk Transport	142-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
372	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292943	3/23/2023	Page Transport	F43143	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
373	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322572	3/23/2023	US Bulk Transport	190-B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
374	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322573	3/23/2023	US Bulk Transport	1278A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
375	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322574	3/23/2023	US Bulk Transport	185A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
376	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322911	3/23/2023	Beelman Truck Co.	443	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
377	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322575	3/23/2023	US Bulk Transport	90932	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
378	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322576	3/23/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
379	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322577	3/23/2023	US Bulk Transport	1249A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
380	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322578	3/23/2023	US Bulk Transport	90924	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
381	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322579	3/23/2023	US Bulk Transport	167A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
382	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292944	3/23/2023	Page Transport	074174	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
383	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322917	3/23/2023	Beelman Truck Co.	190	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
384	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322912	3/23/2023	Beelman Truck Co.	G887	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
385	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322913	3/23/2023	Beelman Truck Co.	G895	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
386	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886947	3/23/2023	US Bulk Transport	1276A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
387	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322914	3/23/2023	Beelman Truck Co.	G955	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
388	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886946	3/23/2023	US Bulk Transport	137A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
389	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886945	3/24/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
390	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322581	3/24/2023	US Bulk Transport	514A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
391	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322582	3/24/2023	US Bulk Transport	397-A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
392	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322583	3/24/2023	US Bulk Transport	303A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
393	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384951	3/24/2023	US Bulk Transport	348A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
394	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384950	3/24/2023	US Bulk Transport	383A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
395	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322584	3/24/2023	US Bulk Transport	538A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
396	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384949	3/24/2023	US Bulk Transport	1084B	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
397	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384948	3/24/2023	US Bulk Transport	1010C	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
398	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	154632	024886944	3/24/2023	US Bulk Transport	137A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
399	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384947	3/24/2023	US Bulk Transport	1010A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
400	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384946	3/24/2023	US Bulk Transport	10122A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
401	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292945	3/24/2023	Page Transport	7612	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
402	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886943	3/24/2023	US Bulk Transport	1217A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
403	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384945	3/24/2023	US Bulk Transport	106A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
404	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384944	3/24/2023	US Bulk Transport	1231A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
405	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886942	3/24/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
406	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384940	3/25/2023	US Bulk Transport	116A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
407	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322915	3/25/2023	Beelman Truck Co.	G818	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
408	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384941	3/25/2023	US Bulk Transport	150A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
409	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384943	3/25/2023	US Bulk Transport	105A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
410	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322585	3/26/2023	US Bulk Transport	136A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
411	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322586	3/26/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
412	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322587	3/26/2023	US Bulk Transport	176B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
413	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384939	3/26/2023	US Bulk Transport	119A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
414	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322588	3/26/2023	US Bulk Transport	142-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
415	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322589	3/26/2023	US Bulk Transport	163A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
416	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322590	3/26/2023	US Bulk Transport	190B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
417	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322591	3/26/2023	US Bulk Transport	129B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
418	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322592	3/26/2023	US Bulk Transport	171B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
419	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322593	3/26/2023	US Bulk Transport	179A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
420	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322594	3/26/2023	US Bulk Transport	1249A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
421	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322595	3/26/2023	US Bulk Transport	1276A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
422	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322596	3/26/2023	US Bulk Transport	351A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
423	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292946	3/26/2023	Page Transport	0476	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	28	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
424	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322597	3/26/2023	US Bulk Transport	1278A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
425	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384938	3/26/2023	US Bulk Transport	109A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
426	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322598	3/26/2023	US Bulk Transport	331A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
427	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322599	3/26/2023	US Bulk Transport	333A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
428	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322600	3/26/2023	US Bulk Transport	197A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
429	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322601	3/26/2023	US Bulk Transport	336A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
430	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292947	3/26/2023	Page Transport	F43143	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
431	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322602	3/26/2023	US Bulk Transport	322A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
432	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322603	3/26/2023	US Bulk Transport	1262A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
433	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	025384937	3/26/2023	US Bulk Transport	146A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
434	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	017906457	3/26/2023	US Bulk Transport	138A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
435	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	017906458	3/26/2023	US Bulk Transport	138-1A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
436	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292948	3/26/2023	Page Transport	5414	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
437	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292949	3/26/2023	Page Transport	059315	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
438	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292950	3/26/2023	Page Transport	074174	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
439	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322604	3/26/2023	US Bulk Transport	167A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
440	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292951	3/26/2023	Page Transport	3234	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
441	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322605	3/26/2023	US Bulk Transport	90924	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
442	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322606	3/26/2023	US Bulk Transport	339A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
443	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322607	3/26/2023	US Bulk Transport	185A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
444	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322608	3/26/2023	US Bulk Transport	152A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
445	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322916	3/27/2023	Beelman Transport	G678	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
446	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322918	3/27/2023	Beelman Transport	G888	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
447	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322919	3/27/2023	Beelman Transport	G887	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
448	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322609	3/27/2023	US Bulk Transport	124A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
449	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322610	3/27/2023	US Bulk Transport	174-F	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
450	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322920	3/27/2023	Beelman Transport	G895	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
451	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322611	3/27/2023	US Bulk Transport	155-2A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
452	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322612	3/27/2023	US Bulk Transport	155A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
453	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292952	3/27/2023	Page Transport	97713	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
454	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322921	3/27/2023	Beelman Transport	G621	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
455	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322613	3/27/2023	US Bulk Transport	1286A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
456	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322922	3/27/2023	Beelman Transport	G848	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
457	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322614	3/27/2023	US Bulk Transport	22	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
458	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	24888055	3/27/2023	Ross Transportation	SB2608	Rolloff	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	16	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
459	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322923	3/27/2023	Beelman Transport	G763	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
460	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322615	3/27/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
461	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322616	3/27/2023	US Bulk Transport	90932	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
462	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292953	3/27/2023	Page Transport	7605	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
463	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322617	3/27/2023	US Bulk Transport	111A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
464	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886927	3/27/2023	Ross Transportation	SB1836	Rolloff	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	15	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
465	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886928	3/28/2023	US Bulk Transport	126A	Dump Truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
466	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886929	3/28/2023	US Bulk Transport	137A	Dump Truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
467	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322618	3/28/2023	US Bulk Transport	136A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
468	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322619	3/28/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
469	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322620	3/28/2023	US Bulk Transport	176B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
470	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322621	3/28/2023	US Bulk Transport	197A-1	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
471	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322622	3/28/2023	US Bulk Transport	179A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
472	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322623	3/28/2023	US Bulk Transport	163A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
473	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	017906455	3/28/2023	Basin Transportation	ED08	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
474	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292954	3/28/2023	Page Transport	7612	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
475	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	017906456	3/28/2023	Basin Transportation	ED07	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	18	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
476	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH256744-DR	017906454	3/28/2023	Basin Transportation	ED01	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
477	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322624	3/28/2023	US Bulk Transport	129B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
478	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322625	3/28/2023	US Bulk Transport	142-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
479	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322626	3/28/2023	US Bulk Transport	144A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
480	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322924	3/28/2023	Beelman Truck Company	G669	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
481	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322627	3/28/2023	US Bulk Transport	339A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
482	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322628	3/28/2023	US Bulk Transport	303A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
483	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322629	3/28/2023	US Bulk Transport	1249A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
484	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322630	3/28/2023	US Bulk Transport	351A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
485	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322631	3/28/2023	US Bulk Transport	331A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
486	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322632	3/28/2023	US Bulk Transport	1262A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
487	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322633	3/28/2023	US Bulk Transport	1260A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
488	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322634	3/28/2023	US Bulk Transport	152A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
489	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322635	3/28/2023	US Bulk Transport	185A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
490	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322636	3/28/2023	US Bulk Transport	1276A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
491	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322637	3/28/2023	US Bulk Transport	171B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
492	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292955	3/28/2023	Page Transport	F43143	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
493	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322638	3/28/2023	US Bulk Transport	190B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
494	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292956	3/28/2023	Page Transport	074174	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
495	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322639	3/28/2023	US Bulk Transport	322A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
496	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292957	3/28/2023	Page Transport	5414	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
497	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292958	3/28/2023	Page Transport	79916	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
498	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322640	3/28/2023	US Bulk Transport	1210A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
499	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322641	3/28/2023	US Bulk Transport	567A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
500	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292959	3/28/2023	Page Transport	059315	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
501	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322642	3/28/2023	US Bulk Transport	514A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
502	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292960	3/28/2023	Page Transport	59321	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
503	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322643	3/28/2023	US Bulk Transport	167A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
504	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322925	3/28/2023	Beelman Truck Company	G932	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
505	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322926	3/28/2023	Beelman Truck Co.	G861	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
506	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322927	3/29/2023	Beelman Truck Co.	G873	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
507	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322928	3/29/2023	Beelman Truck Co.	G689	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
508	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322644	3/29/2023	US Bulk Transport	174C	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
509	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322645	3/29/2023	US Bulk Transport	155-2A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
510	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322646	3/29/2023	US Bulk Transport	174-F	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
511	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322647	3/29/2023	US Bulk Transport	155A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
512	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322929	3/29/2023	Beelman Truck Co.	190	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	28	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
513	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322648	3/29/2023	US Bulk Transport	90931	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
514	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322649	3/29/2023	US Bulk Transport	124A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
515	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322930	3/29/2023	Beelman Truck Co.	443	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
516	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292961	3/29/2023	Page Transport	D7605	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
517	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292963	3/29/2023	Page Transport	7598	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
518	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322650	3/29/2023	US Bulk Transport	397-A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
519	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322651	3/29/2023	US Bulk Transport	1286A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
520	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322931	3/29/2023	Beelman Truck Company	623	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
521	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322932	3/29/2023	Beelman Truck Company	895	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
522	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322652	3/29/2023	US Bulk Transport	1202A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
523	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322933	3/29/2023	Beelman Truck Company	887	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
524	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024888053	3/29/2023	Ross Transportation Services	SB2802	Rolloff	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	18	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
525	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322934	3/29/2023	Beelman Truck Company	G888	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	28	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
526	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322653	3/29/2023	US Bulk Transport	550A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
527	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322654	3/29/2023	US Bulk Transport	1239A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
528	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322936	3/29/2023	Beelman Truck Company	621	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
529	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322655	3/29/2023	US Bulk Transport	336A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
530	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292964	3/29/2023	Page Transport	3234	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
531	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322656	3/29/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
532	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322935	3/29/2023	Beelman Truck Company	371	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
533	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322937	3/29/2023	Beelman Truck Co	763	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
534	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322938	3/29/2023	Beelman Truck Co	G848	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	28	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
535	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322657	3/29/2023	US Bulk Transport	1084B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
536	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322658	3/29/2023	US Bulk Transport	1010C	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
537	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322659	3/29/2023	US Bulk Transport	538A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
538	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322660	3/29/2023	US Bulk Transport	1010A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
539	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322661	3/29/2023	US Bulk Transport	383A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
540	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322662	3/29/2023	US Bulk Transport	348A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
541	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292965	3/29/2023	Page	077951	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
542	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292966	3/29/2023	Page	K40939	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
543	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322663	3/29/2023	US Bulk Transport	1254A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
544	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024888052	3/29/2023	Ross Transportation Services	SB1260	Rolloff	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	15	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
545	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886930	3/30/2023	US Bulk	126A	Dump Truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
546	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886931	3/30/2023	US Bulk Transport	137A	Dump Truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
547	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322664	3/30/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
548	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322665	3/30/2023	US Bulk Transport	136A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
549	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322666	3/30/2023	US Bulk Transport	163A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
550	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322667	3/30/2023	US Bulk Transport	322A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
551	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322668	3/30/2023	US Bulk Transport	303A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
552	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292967	3/30/2023	Page	F43143	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
553	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292968	3/30/2023	Page	074174	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
554	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322939	3/30/2023	Beelman Truck Company	G669	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
555	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322669	3/30/2023	US Bulk Transport	190-B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
556	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322940	3/30/2023	Beelman Truck Company	G892	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
557	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322670	3/30/2023	US Bulk Transport	514A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
558	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322671	3/30/2023	US Bulk Transport	1282A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
559	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322672	3/30/2023	US Bulk Transport	1249A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
560	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322941	3/30/2023	Beelman Truck Company	G818	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
561	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322942	3/30/2023	Beelman Truck Company	G932	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
562	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322678	3/31/2023	Beelman Truck Co	G848	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
563	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886932	3/31/2023	US Bulk Transport	126A	Dump Truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
564	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906452	3/31/2023	Basin Transportation	ED41	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
565	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322943	3/31/2023	Beelman Truck Company	G861	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
566	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024888051	3/31/2023	Ross Transportation	SB1271	Roll off	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	18	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
567	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322945	3/31/2023	Beelman Truck Company	G678	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
568	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906453	3/31/2023	Basin Transportation	ED22	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
569	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322674	3/31/2023	US Bulk Transport	1276A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
570	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322675	3/31/2023	US Bulk Transport	336A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
571	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322944	3/31/2023	Beelman Truck Company	G883	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
572	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322676	3/31/2023	US Bulk Transport	155A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
573	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322677	3/31/2023	US Bulk Transport	155-2A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
574	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322946	3/31/2023	Beelman Truck Company	G763	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
575	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322947	3/31/2023	Beelman Truck Company	G827	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
576	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322679	3/31/2023	US Bulk Transport	348A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
577	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322680	3/31/2023	US Bulk Transport	1010C	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
578	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322681	3/31/2023	US Bulk Transport	1084B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
579	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322682	3/31/2023	US Bulk Transport	1010A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
580	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322683	3/31/2023	US Bulk Transport	383A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
581	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322684	3/31/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
582	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322685	3/31/2023	US Bulk Transport	109A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
583	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322686	3/31/2023	US Bulk Transport	105A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
584	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322687	3/31/2023	US Bulk Transport	167A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
585	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322688	3/31/2023	US Bulk Transport	538A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
586	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886933	3/31/2023	US Bulk Transport	1253A	Dump Truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
587	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906451	3/31/2023	Basin Transportation	ED05	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
588	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024888050	3/31/2023	Ross Transportation	SB1991	Roll off	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	13	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
589	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292969	3/31/2023	Page	3234	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
590	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322689	3/31/2023	US Bulk Transport	1202A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
591	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322678	3/31/2023	Beelman Truck Company	G848	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
592	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886934	3/31/2023	US Bulk Transport	137A	Dump Truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
593	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906450	3/31/2023	Basin Transportation	ED06	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
594	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886935	3/31/2023	US Bulk Transport	146A	Dump Truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
595	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906449	3/31/2023	Basin Transportation	ED31	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
596	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322673	3/31/2023	US Bulk Transport	90931	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
597	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906448	4/1/2023	Basin Transportation	ED08	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
598	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322690	4/2/2023	US Bulk Transport	124A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
599	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906447	4/2/2023	Basin Transportation	ED07	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
600	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322691	4/2/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
601	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906459	4/2/2023	Basin Transportation	ED01	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
602	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322692	4/2/2023	US Bulk Transport	90931	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
603	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322693	4/2/2023	US Bulk Transport	331A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
604	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322694	4/2/2023	US Bulk Transport	138A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
605	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322695	4/2/2023	US Bulk Transport	138-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
606	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322696	4/2/2023	US Bulk Transport	351A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
607	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322697	4/2/2023	US Bulk Transport	514A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
608	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322698	4/2/2023	US Bulk Transport	303A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
609	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322699	4/2/2023	US Bulk Transport	333A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
610	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292970	4/2/2023	Page	K490939	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
611	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322700	4/2/2023	US Bulk Transport	1262A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
612	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292971	4/2/2023	Page	F43143	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
613	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322701	4/2/2023	US Bulk Transport	156A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
614	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322702	4/2/2023	US Bulk Transport	322A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
615	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324003	4/2/2023	Heritage Transport	42-28	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
616	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324004	4/2/2023	Heritage Transport	42-24	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
617	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324005	4/2/2023	Heritage Transport	42-27	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
618	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322703	4/2/2023	US Bulk Transport	339A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
619	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322704	4/2/2023	US Bulk Transport	185A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
620	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322705	4/2/2023	US Bulk Transport	152A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
621	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322706	4/2/2023	US Bulk Transport	106A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
622	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322707	4/2/2023	US Bulk Transport	1217A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
623	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322708	4/2/2023	US Bulk Transport	104B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
624	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322709	4/3/2023	US Bulk Transport	142-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
625	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322710	4/3/2023	US Bulk Transport	312A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
626	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322711	4/3/2023	US Bulk Transport	171B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
627	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322712	4/3/2023	US Bulk Transport	155-2A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
628	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322713	4/3/2023	US Bulk Transport	345-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
629	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322714	4/3/2023	US Bulk Transport	155A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
630	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322715	4/3/2023	US Bulk Transport	348A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
631	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322716	4/3/2023	US Bulk Transport	397A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
632	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322717	4/3/2023	US Bulk Transport	383A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
633	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292972	4/3/2023	Page	053804	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
634	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322718	4/3/2023	US Bulk Transport	1210A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
635	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322719	4/3/2023	US Bulk Transport	1084B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
636	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322720	4/3/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
637	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322721	4/3/2023	US Bulk Transport	1286A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
638	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322722	4/3/2023	US Bulk Transport	1276A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
639	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322723	4/3/2023	US Bulk Transport	DT1505	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
640	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322724	4/3/2023	US Bulk Transport	336A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
641	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292973	4/3/2023	Page	3234	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
642	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322725	4/3/2023	US Bulk Transport	1260A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
643	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292974	4/3/2023	Page	7612	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
644	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322726	4/3/2023	US Bulk Transport	1249A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
645	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322727	4/3/2023	US Bulk Transport	109A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
646	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324006	4/3/2023	Heritage Transport	42-31	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
647	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322948	4/3/2023	Beelman	G34	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
648	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322728	4/3/2023	US Bulk Transport	105A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
649	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292975	4/3/2023	Page	074174	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
650	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322729	4/3/2023	US Bulk Transport	146A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
651	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324007	4/3/2023	Heritage Transport	42-23	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
652	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322730	4/3/2023	US Bulk Transport	1282-A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
653	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292976	4/3/2023	Page	255001	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
654	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322731	4/3/2023	US Bulk Transport	538A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
655	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322732	4/3/2023	US Bulk Transport	167A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
656	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322733	4/3/2023	US Bulk Transport	DT1510	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
657	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322734	4/3/2023	US Bulk Transport	90932	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
658	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322735	4/3/2023	US Bulk Transport	90924	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
659	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322949	4/3/2023	Beelman	G763	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
660	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322950	4/3/2023	Beelman	G848	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
661	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322951	4/3/2023	Beelman	G827	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
662	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322736	4/4/2023	US Bulk Transport	168A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
663	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322737	4/4/2023	US Bulk Transport	124A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
664	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322738	4/4/2023	US Bulk Transport	333A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
665	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322739	4/4/2023	US Bulk Transport	138A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
666	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322740	4/4/2023	US Bulk Transport	138-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
667	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322952	4/4/2023	Beelman Truck Co	G818	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
668	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322741	4/4/2023	US Bulk Transport	514A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
669	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322742	4/4/2023	US Bulk Transport	331A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
670	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322743	4/4/2023	US Bulk Transport	303A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
671	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322744	4/4/2023	US Bulk Transport	351A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
672	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322745	4/4/2023	US Bulk Transport	339A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
673	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292977	4/4/2023	Page	F43143	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
674	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322746	4/4/2023	US Bulk Transport	550A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
675	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322747	4/4/2023	US Bulk Transport	129B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
676	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322748	4/4/2023	US Bulk Transport	159A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
677	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292979	4/4/2023	Page	7607	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
678	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322749	4/4/2023	US Bulk Transport	144A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
679	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322750	4/4/2023	US Bulk Transport	177A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
680	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322751	4/4/2023	US Bulk Transport	1278A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
681	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322752	4/4/2023	US Bulk Transport	3	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
682	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024888125	4/4/2023	Ross Transportation	SB1372	Roll off	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	18	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
683	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322753	4/4/2023	US Bulk Transport	22	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
684	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322953	4/4/2023	Beelman Truck Co	581	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
685	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322954	4/4/2023	Beelman Truck Co	599	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
686	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322754	4/4/2023	US Bulk Transport	345A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
687	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322755	4/4/2023	US Bulk Transport	1239A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
688	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322756	4/4/2023	US Bulk Transport	1253A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
689	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292978	4/4/2023	Page	K40939	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
690	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324008	4/4/2023	Heritage Transport	42-24	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
691	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324009	4/4/2023	Heritage Transport	42-36	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
692	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324010	4/4/2023	Heritage Transport	42-25	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	14	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
693	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324011	4/4/2023	Heritage Transport	42-35	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
694	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324012	4/4/2023	Heritage Transport	42-30	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
695	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292980	4/4/2023	Page	059321	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
696	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292981	4/4/2023	Page	059315	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
697	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292982	4/4/2023	Page	077044	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
698	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322757	4/4/2023	US Bulk Transport	150A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
699	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906428	4/4/2023	US Bulk Transport	1549B	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
700	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324013	4/4/2023	Heritage Transport	42-27	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
701	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324014	4/4/2023	Heritage Transport	42-33	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
702	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322955	4/4/2023	Beelman Truck Co	G669	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
703	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292983	4/4/2023	Page	5885	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
704	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886936	4/5/2023	US Bulk Transport	126A	Dump Truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
705	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886937	4/5/2023	US Bulk Transport	137A	Dump Truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
706	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322787	4/5/2023	US Bulk Transport	163A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	19	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
707	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322788	4/5/2023	US Bulk Transport	312A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
708	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322789	4/5/2023	US Bulk Transport	345-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
709	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906464	4/5/2023	Basin Transportation	ED41	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
710	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322790	4/5/2023	US Bulk Transport	171-B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
711	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322791	4/5/2023	US Bulk Transport	1249A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
712	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322792	4/5/2023	US Bulk Transport	142-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
713	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292993	4/5/2023	Page E.T.C.	050654	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
714	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322982	4/5/2023	Beelman Truck Co	621	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
715	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322793	4/5/2023	US Bulk Transport	109A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
716	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324122	4/5/2023	Heritage Transport	HESU 49470	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
717	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324123	4/5/2023	Heritage Transport	HESU 48617	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
718	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906429	4/5/2023	US Bulk Transport	12	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
719	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322795	4/5/2023	US Bulk Transport	90930	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
720	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324046	4/5/2023	Heritage Transport	4229	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
721	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322776	4/5/2023	US Bulk Transport	DT1505	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
722	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322777	4/5/2023	US Bulk Transport	538A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
723	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322778	4/5/2023	US Bulk Transport	146A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
724	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322779	4/5/2023	US Bulk Transport	167A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
725	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324124	4/5/2023	Heritage Transport	HESU 48336	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
726	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324125	4/5/2023	Heritage Transport	HESU 49576	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
727	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292994	4/5/2023	Page E.T.C.	SB2413	Roll off	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	10	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
728	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322763	4/5/2023	US Bulk Transport	1282-A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
729	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322762	4/5/2023	US Bulk Transport	383A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
730	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292992	4/5/2023	Page E.T.C.	7612	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
731	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322761	4/5/2023	US Bulk Transport	1084B	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
732	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292991	4/5/2023	Page E.T.C.	053804	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
733	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292990	4/5/2023	Page E.T.C.	07417	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
734	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322760	4/5/2023	US Bulk Transport	155-2A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
735	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322759	4/5/2023	US Bulk Transport	155A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
736	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906460	4/5/2023	Basin Transportation	ED05	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
737	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322983	4/5/2023	Beelman Truck Co	G827	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
738	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906430	4/5/2023	US Bulk Transport	116A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
739	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322973	4/5/2023	Beelman Truck Co	G763	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
740	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322972	4/5/2023	Beelman Truck Co	G848	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
741	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322971	4/5/2023	Beelman Truck Co	G883	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
742	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322768	4/5/2023	US Bulk Transport	1286A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
743	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427473	4/5/2023	Enviroserve	PONZ251147	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
744	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322764	4/5/2023	US Bulk Transport	90931	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
745	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322765	4/5/2023	US Bulk Transport	348A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
746	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322970	4/5/2023	Beelman Truck Co	G34	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
747	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322767	4/5/2023	US Bulk Transport	DT1510	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
748	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322766	4/5/2023	US Bulk Transport	336-A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
749	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427474	4/6/2023	Enviroserve	EPIU224803	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
750	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001292807	4/6/2023	Heritage Transport	HESU 48555	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
751	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324126	4/6/2023	Heritage Transport	HESU 48451	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
752	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324128	4/6/2023	Heritage Transport	HESU 49342	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
753	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322780	4/6/2023	US Bulk Transport	550A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
754	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024888129	4/6/2023	Ross Transportation Services	DSB2600	Roll off	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	17	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
755	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292995	4/6/2023	Page E.T.C.	077044	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
756	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322769	4/6/2023	US Bulk Transport	124A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
757	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906514	4/6/2023	Basin Transportation	ED07	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
758	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906515	4/6/2023	Basin Transportation	ED01	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	13	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
759	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322770	4/6/2023	US Bulk Transport	333A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
760	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322771	4/6/2023	US Bulk Transport	138A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
761	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322772	4/6/2023	US Bulk Transport	138-1A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
762	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322773	4/6/2023	US Bulk Transport	174-F	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
763	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322974	4/6/2023	Beelman Truck Co	G678	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
764	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322774	4/6/2023	US Bulk Transport	514A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
765	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322775	4/6/2023	US Bulk Transport	303A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
766	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316146	4/6/2023	US Bulk Transport	345A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
767	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906516	4/6/2023	Basin Transportation	ED22	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
768	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906517	4/6/2023	Basin Transportation	ED31	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
769	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322781	4/6/2023	US Bulk Transport	351A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
770	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322782	4/6/2023	US Bulk Transport	1239A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
771	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322783	4/6/2023	US Bulk Transport	1278A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
772	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324047	4/6/2023	Heritage Transport	42-25	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	17	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
773	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324129	4/6/2023	Heritage Transport	MJVU 15196	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
774	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324130	4/6/2023	Heritage Transport	HESU 49401	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
775	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324131	4/6/2023	Heritage Transport	HESU 49426	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
776	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316147	4/6/2023	US Bulk Transport	174-C	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
777	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292984	4/6/2023	Page E.T.C.	F43143	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
778	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316148	4/6/2023	US Bulk Transport	339A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
779	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316149	4/6/2023	US Bulk Transport	331A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
780	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316150	4/6/2023	US Bulk Transport	177A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
781	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316151	4/6/2023	US Bulk Transport	22	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
782	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324023	4/6/2023	Heritage Transport	4236	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
783	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324024	4/6/2023	Heritage Transport	42-24	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
784	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316152	4/6/2023	US Bulk Transport	3	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
785	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324048	4/6/2023	Heritage Transport	42-28	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
786	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322784	4/6/2023	US Bulk Transport	1217A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
787	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427482	4/6/2023	Enviroserve	EPIU224720	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
788	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001325006	4/6/2023	Page E.T.C.	39922	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
789	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322984	4/6/2023	Beelman Truck Co	G818	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
790	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324132	4/6/2023	Heritage Transport	HESU49340	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
791	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906437	4/6/2023	US Bulk Transport	145-1A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
792	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324025	4/6/2023	Heritage Transport	42-30	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
793	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322975	4/6/2023	Beelman Truck Co	G751	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
794	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324026	4/6/2023	Heritage Transport	42-27	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
795	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316154	4/6/2023	US Bulk Transport	1253A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
796	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324133	4/6/2023	Heritage Transport	HESU 48181	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
797	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324134	4/6/2023	Heritage Transport	HESU 48352	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
798	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322785	4/6/2023	US Bulk Transport	106A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
799	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906446	4/6/2023	US Bulk Transport	105A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
800	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024888127	4/6/2023	Ross Transportation Services	SB1578	Roll off	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
801	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322976	4/6/2023	Beelman Truck Co	G33	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
802	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316155	4/6/2023	US Bulk Transport	125A	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
803	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316156	4/6/2023	US Bulk Transport	90924	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
804	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324049	4/6/2023	Heritage Transport	42-33	Dump truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
805	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001325005	4/6/2023	Basin Transportation	AJMU112	Roll off	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	10	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
806	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292996	4/6/2023	Basin Transportation	1623	Roll off	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	10	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
807	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886938	4/7/2023	US Bulk Transport	126A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

All volumes in *italics* are estimated. Actual received volumes will be provided when final manifests are uploaded to RCRAInfo, e-manifests.



Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
808	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024886939	4/7/2023	US Bulk Transport	190A	Dump truck	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
809	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427481	4/7/2023	Enviroserve	EPIU224732	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
810	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	154632	024888197	4/7/2023	Ross Transportation Services	SB2828	Roll off	Ross Incineration Services	36790 Giles Rd. Grafton, OH 44044	OHD048415665	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
811	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324135	4/7/2023	Heritage Transport	ESDU0095	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
812	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001325007	4/7/2023	Page E.T.C.	D7612	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
813	Soil Impacted with Vinyl Chloride (>10X UTS)	U043	224090-1	001324136	4/7/2023	Heritage Transport	HESU 49331	Intermodal	Heritage Thermal Services	1250 Saint George St. Unit 1 East Liverpool, OH 43920	OHD980613541	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
814	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322796	4/7/2023	US Bulk Transport	383A	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
815	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427479	4/7/2023	Enviroserve	EPIU224853	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
816	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427478	4/7/2023	Enviroserve	EPIU224625	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
817	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427480	4/7/2023	Enviroserve	EPIU224489	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
818	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427477	4/7/2023	Enviroserve	EPIU224701	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
819	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324050	4/7/2023	Heritage Transport	42-31	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
820	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322985	4/7/2023	Beelman Truck Co	G34	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
821	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906518	4/7/2023	Basin Transportation	ED08	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	21	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
822	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316157	4/7/2023	US Bulk Transport	163A	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
823	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316158	4/7/2023	US Bulk Transport	142-1H	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
824	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316159	4/7/2023	US Bulk Transport	171B	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
825	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316160	4/7/2023	US Bulk Transport	345-1A	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	24	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
826	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322977	4/7/2023	Beelman Truck Co	G669	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	27	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
827	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	CH2567444-DR	017906436	4/7/2023	US Bulk Transport	109A	Dump truck	Clean Harbors Deer Trail LLC	108555 East Highway 36 Deer Trail, CO 80105	COD991300484	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
828	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292985	4/7/2023	Page E.T.C.	074174	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
829	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292986	4/7/2023	Page E.T.C.	053804	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
830	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316161	4/7/2023	US Bulk Transport	348A	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
831	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427456	4/7/2023	Enviroserve	EPIU224515	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
832	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001292987	4/7/2023	Page E.T.C.	058175	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
833	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001324027	4/7/2023	Heritage Transport	42-23	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	20	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

Load #	Material Type	Waste Codes	Approval #	Manifest Tracking No.	Transport Date	Transporter Name and ID	Trailer Container #	Container Type	Disposal Facility Name	Facility Address	U.S. EPA ID	Disposal Status	Manifested Facility Volume (Tons)	Final Facility Weight (tons)	DOT Proper Shipping Name
834	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001316331	4/7/2023	US Bulk Transport	DT1510	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
835	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322797	4/7/2023	US Bulk Transport	DT1505	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	25	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
836	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322798	4/7/2023	US Bulk Transport	538A	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
837	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427492	4/7/2023	Enviroserve	EPIU224728	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
838	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322799	4/7/2023	US Bulk Transport	167A	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	23	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
839	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	WP-9984	025427493	4/7/2023	Enviroserve	EPIU224635	Intermodal	Waste Control Specialist	9998 West, TX-176 Andrews, TX 79714	TXD988088464	In Transit	22	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III
840	Soil Impacted with Vinyl Chloride (<10X UTS)	U043	224090-2	001322986	4/7/2023	Beelman Truck Co	G678	Dump Truck	Heritage Environmental Services	4370 W County Road 1275 N Roachdale, IN 46172	IND980503890	In Transit	26	<i>pending</i>	NA3077, Hazardous Waste, Solid, n.o.s., (vinyl chloride, butyl acrylate), 9, PG III

# Attachment 6

**Carroll/Columbiana/Harrison Solid Waste Management District,  
2018-2032 Solid Waste Management Plan, Appendix P -  
Designation**

## APPENDIX P DESIGNATION

### A. Statement Authorizing/Precluding Designation

Due to the SWMD's proximity to other states, the Policy Committee and Board of Directors determined the need to establish designation, providing for all disposal facilities that desired to accept waste from Carroll, Columbiana and Harrison counties the opportunity to do so provided they signed a contract with the SWMD, agreed to provide accurate documentation of the waste going into their facility and paid the same fee that all other facilities were contracted to pay. This leveled the playing field for haulers and disposal facilities in and out-of-state.

Pursuant to Section 3734.53(E)(1) of the Ohio Revised Code, the Board of Directors of the SWMD is hereby authorized to continue with facility designations as they are currently and to establish new facility designations under Section 343.014 of the Ohio Revised Code.

If a facility has not requested designation during the original designation process, they may submit a request for a waiver for facility designation. The request must be in writing and provide information regarding the type and amount of material, the facility to be used, the duration of the waiver, the reason for requesting the waiver and the impact on Plan implementation and financing. The SWMD Board of Directors may request additional information from the applicant for a waiver if the information it receives is incomplete. Once the application is submitted and complete, the SWMD Board of Directors will determine, within 90 days, whether to approve or disapprove the waiver request. The SWMD Board of Directors may grant the request for waiver if the Board of Directors determines that:

1. The waiver is not inconsistent with projections contained in the SWMD's approved plan under Sections 3734.53(A)(6) and (A)(7) of the Ohio Revised Code; and
2. The issuance of the waiver will not adversely affect implementation and financing of the plan.

### B. Designated Facilities

**Table P-1 Designated Facilities**

Facility Name	Location		Facility Type	Year Designated
	County	State		
<b><i>In-District</i></b>				
Kimble Transfer (J&J Refuse)	Carroll	Ohio	Transfer Facility	2005
<b><i>Out-of-District</i></b>				
Akron Transfer Station	Stark	Ohio	Transfer Facility	2005



**Appendix P Designation**

American Landfill	Stark	Ohio	Landfill	2005
Apex Landfill	Jefferson	Ohio	Landfill	2006
Athens-Hocking Reclamation Ctr.	Athens	Ohio	Landfill	2005
Cambridge Transfer & Recycling	Muskingum	Ohio	Transfer Facility	2005
Carbon Limestone Landfill	Mahoning	Ohio	Landfill	2005
Cleveland Transfer Station	Cuyahoga	Ohio	Transfer Facility	2005
Coshocton Landfill, Inc.	Coshocton	Ohio	Landfill	2005
Countywide Recycling & Disposal	Stark	Ohio	Landfill	2005
Geneva Landfill	Ashtabula	Ohio	Landfill	2005
Harrison County Landfill	Harrison	Ohio	Landfill (not open)	2005
Kimble Sanitary Landfill	Tuscarawas	Ohio	Landfill	2005
Kimble Transfer & Recycling	Stark	Ohio	Transfer Facility	2005
Kimble Transfer & Recycling	Summit	Ohio	Transfer Facility	2009
Liberty Tire Services of Ohio LLC	Stark	Ohio	Tire Monofill	2005
Lorain County Landfill, LLC	Lorain	Ohio	Landfill	2005
Mahoning Landfill	Mahoning	Ohio	Landfill	2005
Noble Road Landfill	Richland	Ohio	Landfill	2005
Pine Grove Landfill	Fairfield	Ohio	Landfill	2005
Portage County SW Transfer	Portage	Ohio	Transfer Facility	2005
Suburban Landfill	Perry	Ohio	Landfill	2005
<b><i>Out-of-State</i></b>				
Arden Landfill		Pennsylvania	Landfill	2005
Evergreen Landfill		Pennsylvania	Landfill	2005
Imperial Landfill		Pennsylvania	Landfill	2005
Kelly Run Sanitation		Pennsylvania	Landfill	2005
Laurel Highlands Landfill		Pennsylvania	Landfill	2005
Seneca Landfill		Pennsylvania	Landfill	2005
Seneca Transfer Facility		Pennsylvania	Transfer Facility	2005
Shade Landfill		Pennsylvania	Landfill	2005
Short Creek Landfill		West Virginia	Landfill	2005
South Hills Landfill		Pennsylvania	Landfill	2005
Southern Alleghenies Landfill		Pennsylvania	Landfill	2005
Tri-County Transfer Station		Pennsylvania	Transfer Facility	2005
Tri-County Landfill		Pennsylvania	Landfill	2005
Valley Landfill		Pennsylvania	Landfill	2005
Valley Waste Services TF		Pennsylvania	Transfer Facility	2016

## **Appendix P Designation**

The SWMD has designated thirty-seven (37) solid waste facilities as the only facilities that may accept solid waste generated within the District. Each designated solid waste facility is contractually required to provide monthly reports regarding the generator/hauler, amount of solid waste received, and the type of material received from each of our three (3) counties.

### **C. Documents**

Sample Fee Statements, Designation Agreements, and Waiver Agreements are attached.

**CONTRACT FEE SUBMITTAL FORM**

For the month of: \_\_\_\_\_ 20\_\_\_\_\_

Facility Name: \_\_\_\_\_

Address: \_\_\_\_\_

*For solid waste generated within **Carroll, Columbiana and/or Harrison counties** and received by your facility, provide the total tons of solid waste delivered by each hauler/generator broken down by waste type. Insert more rows to add haulers or attach additional page(s).*

Hauler or Generator	County of Origin	Tons Exempt Waste	Tons General Solid Waste	Tons Industrial Solid Waste	Total Tons Solid Waste
<b>Total</b>					

Total Monthly Tonnage Received: \_\_\_\_\_

Total Fees Submitted @ \$3.50 per ton: \_\_\_\_\_

*Transfer Stations: indicate each destination landfill used and the total amount of solid waste shipped during the reporting period.*

Destination Landfill or Facility	Tonnage

**CONTRACT FEE SUBMITTAL FORM**  
*Certified Statement*

For the month of: \_\_\_\_\_ 20 \_\_\_\_\_

Facility Name & Phone: \_\_\_\_\_

Ohio C.I.D. Number: \_\_\_\_\_

*The contract fees for each month must be received by the District  
no later the 25th day of the following month.  
If the 25th day of the month falls on a weekend or holiday, the fee is due the previous business day.*

**A. Total tonnage of solid waste that was received at the facility described above:**

\_\_\_\_\_

**B. Total Contract fees submitted at \$3.50 per ton:**

\$ \_\_\_\_\_

I hereby certify that the above statements are true and correct.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_  
Date

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_

\_\_\_\_\_  
Notary Public

Commission Expires: \_\_\_\_\_

Make checks payable to the **Carroll County Treasurer** and mail both the form and check to:  
CCH Solid Waste Management District  
618 Canton Road, Suite B, Carrollton, Ohio 44615  
(330) 627-7311

*Any questions regarding submittal of fees please contact:  
Barbara Walton, Director*



**CONTRACT WAIVER FEE SUBMITTAL FORM**

For the month of: \_\_\_\_\_ 20 \_\_\_\_\_

Facility Name: \_\_\_\_\_

Address: \_\_\_\_\_

*For solid waste generated within **Carroll, Columbia and/or Harrison counties** and received by your facility, provide the total tons of solid waste delivered by each hauler/generator broken down by waste type. Insert more rows to add haulers or attach additional pages.*

Hauler or Generator	County of Origin	Tons Exempt Waste	Tons General Solid Waste	Tons Industrial Solid Waste	Total Tons Solid Waste
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
<b>Total</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**Total Monthly Tonnage Received:** \_\_\_\_\_ **0.00**

**Total Fees Submitted @ \$3.50 per ton:** \_\_\_\_\_ **\$0.00**

*Transfer Stations: indicate each destination landfill used and the total amount of solid waste shipped during the reporting period.*

Destination Landfill or Facility	Tonnage

**CONTRACT WAIVER FEE SUBMITTAL FORM**  
*Certified Statement*

For the month of: \_\_\_\_\_ 20\_\_\_\_\_

Facility Name & Phone: \_\_\_\_\_

Ohio C.I.D. Number: \_\_\_\_\_

*The contract fees for each month must be remitted to the District  
no later the 25th day of the following month.  
If the 25<sup>th</sup> of the month falls on a holiday, the fees must be remitted the previous workday.*

**A. Total tonnage of solid waste that was received at the facility described above:**

0.00

**B. Total Contract fees submitted at \$3.50 per ton:**

\$0.00

I hereby certify that the above statements are true and correct.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_  
Date

Subscribed and sworn before me this  
\_\_\_\_\_ day of \_\_\_\_\_

\_\_\_\_\_  
Notary Public

Commission Expires: \_\_\_\_\_

Make checks payable to the **Carroll County Treasurer** and mail both the form and check to:  
CCH Environmental Group  
618 Canton Road, Suite B, Carrollton, Ohio 44615  
(330) 627-7311  
*Any questions regarding submittal of fees please contact:  
Barbara Walton, Director*

**DESIGNATION AGREEMENT**

**THIS AGREEMENT**, made and entered into as of the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ by and between the Board of Directors, in its capacity as the governing body (the "Board"), of the Carroll-Columbiana-Harrison Joint Solid Waste Management District, with offices located at 618 B Canton Road N.W., Carrollton, Ohio, 44615, (the "District") and \_\_\_\_\_ with an office located at \_\_\_\_\_ (the "Contractor").

**RECITALS**

**WHEREAS**, the Board has reserved the authority to establish facility designations in accordance with Section 343.014 of the Ohio Revised Code in Section VI E. of the District Solid Waste Management Plan (the "Plan"), approved by the Director of the Ohio Environmental Protection Agency on May 26, 2005 ; and

**WHEREAS**, the Board has determined that to finance implementation of the Plan, it is necessary to contract with and designate solid waste facilities, whereby such designated facilities agree to pay a fee to the District as consideration for designation (the "Contract Fee") as authorized pursuant to sections 343.01(H), 343.014, 343.02 and 343.022 of the Ohio Revised Code; and

**WHEREAS**, the Board has previously designated facilities under its authority, but has determined that said designations should be periodically updated; and

**WHEREAS**, the Board adopted a Resolution of Intent to Designate on May 12, 2009, a Resolution of Intent to Establish Designation on June 15, 2009, and a Resolution Designating Solid Waste Facilities on November 3, 2009 and has completed all of the actions required by Section 343.014 of the Ohio Revised Code; and

**WHEREAS**, the Contractor owns and operates a solid waste landfill or solid waste transfer station under the name of \_\_\_\_\_ located at \_\_\_\_\_ (the "Contractor's Facility"), as more particularly described in attached Exhibit A, and has submitted a Request for Designation for the Contractor's Facility in response to the Invitation for Designation; and

**WHEREAS**, the Board has reviewed the Contractor's Request for Designation and has determined that the Contractor's Facility meets the requirements of the Invitation for Designation, and the Board desires to designate the Contractor's Facility for the receipt of solid waste generated within the District for the transfer or disposal of solid waste.

**NOW, THEREFORE**, in consideration of the promises and mutual covenants contained herein, the parties agree as follows:

**ARTICLE I – DISTRICT’S DESIGNATION OF CONTRACTOR’S FACILITY**

- 1.1 The District hereby designates the Contractor’s Facility pursuant to Section 343.014 of the Ohio Revised Code, as now existing or hereafter amended, as a solid waste facility authorized to receive solid waste generated within the District for the transfer or disposal of solid waste.
- 1.2 The parties acknowledge and agree that Section 343.01(I)(2) of the Ohio Revised Code provides that solid waste generated within the District can be transferred to or disposed of only at facilities designated by the Board under Section 343.014 of the Ohio Revised Code, and that such designations by the Board includes or will include facilities other than the Contractor’s Facility on the same terms and conditions as this Agreement. It is further the understanding of the parties that the District does not contemplate requiring any person, municipal corporation, township or other political subdivision located within the District to deliver or cause to be delivered any solid wastes to any particular designated facility.

**ARTICLE II – CONTRACTOR’S OBLIGATIONS**

- 2.1 The Contractor shall perform and complete in a workmanlike manner all work required to operate and maintain the Contractor’s Facility, or cause the Contractor’s Facility to be operated and maintained, in compliance with all applicable federal, state and local laws as well as the terms and conditions of any applicable licenses or permits.
- 2.2 The Contractor agrees to pay to the District a Contract Fee on all solid waste generated within the District that is received at the Contractor’s Facility, from the effective date of this Designation Agreement until this Agreement is terminated as provided herein. The Contractor agrees to pay to the District a Contract Fee of Three Dollars and Fifty Cents (\$ 3.50) per ton of solid waste generated within the District that is received at the Contractor’s Facility on and after January 2, 2010 and during the remainder of the term of this Agreement. Each month, the Contractor shall submit to the District a monthly certified Contract Fee statement, on a form prescribed by the District, on which the Contractor shall separately identify the tonnage (expressed in tenths of a ton) of solid waste generated within the District that was delivered to the Contractor’s Facility during the preceding calendar month, and the amount of the Contract Fee due on that tonnage. The Contractor shall forward to the District payment in the amount of the Contract Fee identified in the monthly report together with the submittal of the monthly report. Both the Contract Fee statement and the Contract Fee payment must be received by the District by the 25<sup>th</sup> of each month. If the Contractor’s Facility is a solid waste transfer station upon which the Contract Fee has been paid in accordance with this Agreement, the District agrees that solid waste transferred from such facility shall not be subject to the Contract Fee upon delivery of that solid waste to a solid waste disposal facility. The Board may change the amount of the Contract Fee upon advance written notice of ninety (90) days to the Contractor, provided the Board uniformly changes the amount of the Contract Fee payable by all designated solid waste facilities, and provided that the Board uniformly changes the amount of any Waiver Fee paid by any solid waste facility that has been granted a waiver, such that all designated solid waste facilities pay the same Contract Fee or Waiver Fee.



## **Appendix P Designation**

- 2.3 Failure to make timely payment of the Contract Fee as provided herein will result in a \$100 per day penalty for each day beyond the 25<sup>th</sup> day of each month that payment is late. Continued failure to make timely payment of the Contract Fee shall constitute a default by the Contractor for which the District may terminate this Designation Agreement, and thereby terminate the right of the Contractor's Facility to receive and accept solid waste generated within the District. Such termination shall be in addition to any other default rights or remedies the District may have at law or in equity.

### **SECTION III - TERM**

- 3.1 This Agreement shall be effective as of \_\_\_\_\_ with payment of the Contract Fee to commence on solid waste generated within the District and received at the Contractor's Facility after \_\_\_\_\_.
- 3.2 The District or Contractor may terminate this Agreement for any reason upon written notice of ninety (90) days to the other party.
- 3.3 The District and Contractor understand that this Agreement may be subject to periodic renewal, under the same or similar terms and conditions.

### **SECTION IV - MISCELLANEOUS**

- 4.1 This Agreement may be assigned by the Contractor to any successor in interest at the Contractor's Facility with the consent of the District. Such consent shall not be unreasonably withheld by the District.
- 4.2 This Agreement shall be binding upon and shall inure to the benefit of the parties, and their successors, respective heirs, personal representatives, and assigns.
- 4.3 This Agreement shall constitute the entire understanding between the parties.
- 4.4 No amendments or variations of the terms and conditions of this Agreement shall be valid unless the same are in writing and signed by all parties.
- 4.5 This Agreement shall be construed and enforced pursuant to the laws of the State of Ohio.
- 4.6 Any action regarding this Agreement shall be brought in a court of competent jurisdiction in Carroll County, Ohio.

**Appendix P Designation**

**IN WITNESS WHEREOF**, the parties by their duly authorized officers, trustees or partners, have executed this Agreement in duplicate as of the date set forth above.

**DISTRICT:**

\_\_\_\_\_  
Chair, Board of Directors  
Carroll-Columbiana-Harrison Joint  
Solid Waste Management District

\_\_\_\_\_  
Date

**CONTRACTOR:**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

**WAIVER AGREEMENT**

The Board of Directors ("the Board"), in its capacity as the governing body of the Carroll-Columbiana-Harrison Joint Solid Waste Management District ("the District"), a joint solid waste management district established pursuant to section 343.011 of the Revised Code, enters into this Waiver Agreement with \_\_\_\_\_, with a solid waste disposal or transfer station located at \_\_\_\_\_ ("the Facility"), or its appropriate parent, subsidiaries or affiliates (the "Grantee"), which shall become effective on the date of last execution (the "Effective Date").

**RECITALS**

**WHEREAS**, the District is a political subdivision of the State of the Ohio charged with the management of solid waste generated within the District; and

**WHEREAS**, in accordance with Chapters 343 and 3734 of the Revised Code, the District's Solid Waste Management Plan (the "District Plan"), as now existing or as updated hereafter, and rules adopted by the Board as now existing or as amended hereafter (the "District Rules"), all solid waste generated within the District (the "District Solid Waste") shall be delivered only to solid waste facilities designated by the District unless a waiver granted by the District pursuant to Section 343.01(1)(2) of the Revised Code authorizes the delivery of District Solid Waste to undesignated solid waste facilities; and

**WHEREAS**, Grantee requests a waiver from the Board, and the Board, pursuant to Section 343.01(1)(2) of the Revised Code finds that the waiver request from Grantee is not inconsistent with the projections contained in the District Plan and will not adversely affect the implementation and financing of the District Plan; and

**WHEREAS**, the Board and Grantee desire to document the waiver (the "Waiver") granted by the Board to Grantee in this Waiver Agreement.

**NOW, THEREFORE**, in consideration of the promises and covenants contained herein and the mutual benefits to be gained hereby, the parties incorporate the foregoing recitals and agree as follows:

1. Pursuant to the terms and conditions contained herein, the Board grants and Grantee accepts the Waiver which authorizes Grantee to accept District Solid Waste at the Grantee's Facility.
2. The Grantee, in consideration of the Waiver granted herein, shall pay to the District a fee levied on each ton of District Solid Waste that is accepted at the Facility (the "Waiver Fee"). The amount of the Waiver Fee may be modified from time-to-time by the Board, in the exercise of the sole discretion of the Board, and shall be an amount equal to the Waiver Fee paid by any other person granted a waiver by the Board. The Waiver fee shall also at all times be equal to the fee paid to the District as consideration for designation (the "Contract Fee"). The Board has established a Contract Fee of Three

## Appendix P Designation

Dollars and Fifty Cents (\$ 3.50) per ton of solid waste generated within the District that is received at Designated Facilities on and after January 2, 2010.

3. Grantee also agrees to comply with all existing District Rules established by the Board, or any subsequently adopted rules; agrees not to challenge any amendments to the District Plan; or bring any action against the District relating to compliance with the District Plan or District Rules.
4. Grantee agrees to maintain daily records at the Facility identifying: (a) the amount of District Solid Waste in tons that Grantee accepts at the Facility pursuant to this Waiver Agreement; and (b) the name and address of each hauler that delivers District Solid Waste to the Facility. The District, or its authorized representatives, shall have the right to inspect and copy the daily records maintained by Grantee pursuant hereto during the regular business hours of Grantee's Facility.
5. Grantee shall pay the Waiver Fee in accordance with the rules established and amended by the District from time-to-time, and the payment procedures set forth in the subparagraphs below:
  - a. By the 25th day of each calendar month, Grantee shall remit to the District the total Waiver Fees owed for the total number of tons (expressed in tenths of a ton) of District Solid Waste received at the Facility during the previous calendar month.
  - b. With each monthly payment of the Waiver Fee, Grantee shall provide the information requested on any "Waiver Fee Submittal Form" as prescribed by the District. The "Waiver Fee Submittal Form" may be amended from time-to-time by the District.
  - c. Failure to make timely payment of the Waiver Fee as provided herein will result in a \$100 per day penalty for each day beyond the 25<sup>th</sup> day of each month that payment is late. Continued failure to make timely payment of the Waiver Fee shall constitute a default by the Grantee for which the District may terminate this Waiver Agreement, and thereby terminate the right of the Grantee's Facility to receive and accept solid waste generated within the District. Such termination shall be in addition to any other default rights or remedies the District may have at law or in equity.
6. The term of this Waiver Agreement shall commence on the Effective Date and shall terminate on \_\_\_\_\_. The District and Grantee understand that this Waiver Agreement may be subject to periodic renewal, under the same or similar terms and conditions. The District or Grantee may terminate this Waiver Agreement for any reason upon written notice of ninety (90) days to the other party.
7. The Grantee shall perform and complete in a workmanlike manner all work required to operate and maintain the Grantee's Facility, or cause the Grantee's Facility to be operated and maintained, in compliance with all applicable federal, state and local laws as well as the terms and conditions of any applicable licenses or permits.



**Appendix P Designation**

- 8. This Waiver Agreement may be assigned by the Grantee to any successor in interest at the Grantee's Facility with the consent of the District. Such consent shall not be unreasonably withheld by the District.
- 9. This Waiver Agreement shall be binding upon and shall inure to the benefit of the parties, and their successors, respective heirs, personal representatives, and assigns and this Waiver Agreement shall constitute the entire understanding between the parties. No amendments or variations of the terms and conditions of this Waiver Agreement shall be valid unless the same are in writing and signed by all parties. This Waiver Agreement shall be construed and enforced pursuant to the laws of the State of Ohio and any action regarding this Waiver Agreement shall be brought in a court of competent jurisdiction in Carroll County, Ohio.
- 10. If the District determines that the Grantee has violated or breached any of Grantee's payment and/or reporting obligations, Grantee shall cure such breach within thirty (30) days of receipt of written notice of such breach from the District. If Grantee fails to cure such breach within thirty (30) days, the District shall have the right to terminate this Waiver Agreement effective on the thirty-first (31<sup>st</sup>) day after Grantee has received written notice of the breach of payment or reporting obligations as termination for cause. Other circumstances which entitle the District to terminate this Waiver Agreement upon thirty (30) days written notice for cause include violation of the District's Rules, or violation of other terms of this Agreement. There is no obligation or expectation that there exists an opportunity to cure any alleged breach of this Waiver Agreement other than those outlined above.
- 11. All notices, payments, reports, certificates, requests or other communications hereunder shall be in writing and shall be deemed given if delivered in person to the individual or to a member of the company or organization for whom the notice is intended, or delivered by certified mail, return receipt requested, to the appropriate following address:

If to the District:

Carroll-Columbiana-Harrison Joint Solid Waste Management District  
618 Canton Road N.W., Suite B  
Carrollton, Ohio, 44615  
Attn: Director

If to Grantee:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Attn: \_\_\_\_\_

**Appendix P Designation**

**IN WITNESS WHEREOF**, the parties by their duly authorized officers, trustees or partners, have executed this Waiver Agreement in duplicate as of the dates set forth below.

**DISTRICT:**

\_\_\_\_\_  
Chairman, Board of Directors  
Carroll-Columbiana-Harrison Joint  
Solid Waste Management District

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

**GRANTEE:**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

Approved as to form:

\_\_\_\_\_  
Donald R. Burns,  
Carroll County Prosecutor

# Attachment 7

## Secondary Containment Standard Operating Procedures

**Secondary Containment Management  
Norfolk Southern Train Derailment  
East Palestine, Ohio  
Date: April 12, 2023**

**Secondary Containment Management for Temporary units and the Area of Contamination**

Wastes generated as a result of the train derailment are currently stored in staging piles, temporary units (TUs) and containers (drums and totes). Locations of designated waste storage areas are provided in Figure 1 of the Waste Management Plan. All storage areas are equipped with secondary containment that is designed and constructed of suitable materials (e.g., non-earthen materials) to prevent any waste or precipitation collected in the system from reaching the environment. Below is a description of the secondary containment in place at each waste storage area.

- Tank Farms 5 and 6 have welded HDPE liner covering the entire tank farm area with additional HDPE installed under the temporary storage tanks. Rig mats have been placed over the liner to prevent punctures. A containment berm was created using hay bale berms overlain by HDPE liner.
- Tank Farms 2, 3 and 4 and Stand by Tank Farms 1, 2 and 3 and the wastewater treatment plant have individual HDPE liners installed under each temporary storage tank and container storage areas.
- Tank Farm 1 contains two modular tanks were installed within a single secondary containment consisting of an impermeable liner (120 mil Linear Low-Density Polyethylene (LLDPE) liner manufactured by ATARFIL), steel sheet piles, and earthen berms.
- Soil generated within the Area of Contamination is consolidated into staging piles that are placed on a welded HDPE liner system. The containment berm is constructed with hay bale that are covered by the HDPE liner.
- Additional secondary containments (buckets/ kiddie pools) are placed under hose connections during loading and offloading of the temporary storage tanks. Secondary containment utilized during loading and offloading operations for the modular tanks is provided in the Modular Tank Summary Sheet (April 7,2023, Arcadis)

At a minimum, all tanks, containers, staging piles and secondary containment systems are inspected daily. Inspections are recorded in the project files and available for review upon request. If a container or tank is found leaking or unfit for use, the container or tank will be immediately addressed, and the released waste will be immediately transferred to another suitable container or tank. If a secondary containment system is found compromised (unable to collect or prevent a release to the environment), the secondary containment will be repaired. The repair must be sufficient to prevent any waste or precipitation collected in the system from reaching the environment. If unable to be repaired, the unit will be taken out of service.

If waste or rain water is identified in the secondary containment that released waste (solid or liquid) or accumulated precipitation will be removed from the secondary containment as soon as practicable but not later than 24 hours. If waste or precipitation is released outside of secondary containment, the release will be immediately stopped and cleaned-up. Any released waste, accumulated precipitation and/or resulting clean-up materials will be collected and characterized for offsite disposal at a permitted facility.

Any releases outside of secondary containment will be collected and contained. For solid materials, the waste will be returned to the original or intended container or stockpile. Any sidewall of the secondary containment that is compromised will be reenforced with hay bales or similar structurally sound material. For liquids that are released outside of secondary, the impacted surface material will be excavated and containerized in labeled roll-offs or drums and may be consolidated with similar waste streams.



# Attachment 8

Temporary Unit Inspection Form

## RCRA Container Accumulation Area Checklist—Large Quantity Generators

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Inspector's Name: \_\_\_\_\_

Checked/Observations/ Repairs made	Requirement	Regulatory Citation
<b>Satellite Accumulation Area</b>		
	Waste is accumulated at or near the point of generation and “under the control of the operator.”	§262.15(a)
	Container has less than 55 gallons of HW or less than 1 quart/1 kg of acute HW.	§262.15(a)
	Container is in good condition and non-leaking.	§262.15(a)(1)
	Waste is compatible with container that it is stored in.	§262.15(a)(2)
	Only compatible wastes are accumulated in the container, and the container is separated from nearby incompatible materials.	§262.15(a)(3)
	Container is closed except when adding, removing, or consolidating waste, or when temporary venting is necessary.	§262.15(a)(4)
	Container is marked with the words “Hazardous Waste” and an indication of the hazards of the contents.	§262.15(a)(5)
	Satellite area complies with all preparedness and prevention requirements noted below.	§262.15(a)(8)
<b>90-Day Container Accumulation Area</b>		
<b>Container Requirements—Part 262, Subpart A</b>		
	Accumulation start dates are ≤90 days old, unless an extension has been approved by the state per §262.17(b).	§262.17(a)
	Container complies with Subpart CC air emission controls.	§262.17(a)(1)(i)
	Container is in good condition and non-leaking.	§262.17(a)(1)(ii)
	Waste is compatible with container that it is stored in.	§262.17(a)(1)(iii)
	Container is closed except when adding or removing waste.	§262.17(a)(1)(iv)(A)
	Container is not stored in a way that would cause it to spill or leak.	§262.17(a)(1)(iv)(B)
	Weekly inspections are conducted.	§262.17(a)(1)(v)
	Ignitable and reactive wastes are stored at least 15 meters (50 feet) from facility's property line (unless a waiver from this requirement is in facility files).	§262.17(a)(1)(vi)(A)
	Ignitable and reactive wastes are separated and protected from sources of ignition or reaction, and “No Smoking” signs are posted.	§262.17(a)(1)(vi)(B)
	Only compatible wastes are accumulated in the container, and the container is separated from nearby incompatible materials.	§262.17(a)(1)(vii)
	Container is marked with the words “Hazardous Waste” and an indication of the hazards of the contents.	§262.17(a)(5)(i)(A-B)
	Container is marked with the accumulation start date.	§262.17(a)(5)(i)(C)
	90-day area complies with all preparedness and prevention requirements noted below.	§262.17(a)(6)
<b>Preparedness and Prevention—Part 262, Subpart M</b>		
	Area is maintained in a manner to prevent fire, explosions, or spills.	§262.251
	Area must be equipped with (unless hazards posed would not require): 1. Internal communications to signal emergency to facility personnel. 2. Communication device to alert local emergency response personnel. 3. Fire extinguishers, spill control equipment, and decontamination equipment. 4. Fire suppression: adequate water supply or foam producing equipment.	§262.252
	Testing and maintenance of equipment.	§262.253
	Immediate access to communication equipment when handling hazardous waste.	§262.254
	Adequate aisle space.	§262.255

<b>Pre-Transport Requirements—Part 262, Subpart C</b>		
	Packaging: Containers meet all applicable standards for the type of waste they hold. (See DOT regs at 49 <i>CFR</i> Parts 173, 178, and 179.)	\$262.30
	Labeling (DOT Warning Labels): (See DOT regs at 49 <i>CFR</i> Part 172).	\$262.31
	<p>Marking: Containers of 119 gallons or less must comply with DOT regs at 49 <i>CFR</i> Part 172. This includes the “proper shipping name”—49 <i>CFR</i> 172.301. Containers must also be marked with the following words and information:</p> <ol style="list-style-type: none"> <li>1. “HAZARDOUS WASTE—Federal Law Prohibits Improper Disposal. If found, contact the nearest police or public safety authority or the U.S. Environmental Protection Agency.”</li> <li>2. Generator’s name and address.</li> <li>3. Generator’s EPA ID number.</li> <li>4. Manifest tracking number.</li> <li>5. Hazardous waste codes.<sup>1</sup></li> </ol>	\$262.32

<sup>1</sup>In lieu of marking containers with hazardous waste codes, a nationally recognized electronic system (such as bar codes) may be used.

HW = Hazardous waste

Source: McCoy and Associates, Inc.

Facility Name:		<b>Hazardous Waste Tank System Daily Inspection Log:</b> Tank: stationary dangerous waste storage or treatment tank and its associated ancillary equipment and containment system.
Year :	Month:	
Tank ID:		For <b>Large Quantity Generators of Hazardous Waste (and TSD's)</b>

<b>Instructions:</b> <ul style="list-style-type: none"> <li>The person conducting the inspection must also complete this log.</li> <li>Check (✓) box if ok. For problems, X box and explain on the reverse.</li> <li>Describe any event, (spills, cracked or compromised containment, non-functional safety equipment, etc.) and corrective actions on the reverse.</li> <li>Report spills or leaks to your supervisor immediately.</li> </ul>				System free of corrosion and evident damage?	Secondary containment free of waste and liquid?	Pipes, valves, & pumps free of leaks & in good condition?	There is no evidence of structure failures or releases?	Monitoring equipment data evaluated to ensure proper operation?	Overfill control inspection schedule & procedures followed?	Cathodic protection system inspected yearly?	Sources of impressed current inspected/tested every other month?	Comment: X box and explain on reverse.
Day	Printed Name	Signature	Time									
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

1. Daily tank inspection required for each dangerous waste tank.  
 Keep inspection log for 10 years from date of inspection.  
 Continue on reverse if necessary: list observations made and date and nature of any corrective measures taken.







## NS BLUE FLAG PROTECTION CHECKLIST

DATE: \_\_\_\_\_

LOCATION: \_\_\_\_\_

NS BLUE FLAG POINT OF CONTACT: \_\_\_\_\_

NS BLUE FLAG POINT OF CONTACT PHONE#: \_\_\_\_\_

COMPANY PROVIDING BLUE FLAG: \_\_\_\_\_

### PREWORK:

1. Safety Briefing conducted with NS Point of Contact prior to applying Blue Flag Protection.
  - Yes
  - Date/Time: \_\_\_\_\_
2. Facing point switches are aligned and locked against movement into track requiring protection.
  - Yes
  - N/A
3. Derails engaged and locked against movement into track area requiring protection.
  - Yes
  - N/A
4. Blue Flag or Blue Light is displayed at locked facing point switches or derails.
  - Yes
  - N/A

### POST WORK:

1. Locks are removed from all switches used to provide Blue Flag protection:
  - Yes
  - N/A
2. All derails used to provide Blue Flag Protection are disengaged or removed.
  - Yes
  - N/A
3. All Blue Flags or Blue Signals used to provide protection are removed.
  - Yes
  - N/A
4. Post Work Briefing is conducted with NS Point of Contact to confirm removal of Blue Flag Protection.
  - Yes
  - Date/Time: \_\_\_\_\_



**TANK CAR INSPECTION FORM**  
 Re: Vinyl Chloride Impacted Water  
 RCRA (U043), DOT Class 9, UN3082

Location: *Norfolk Southern Corp. - Lordstown, Ohio*

Date of Pre-Load Inspection:
Date of Post-Load Inspection:
Tank Car Number:
Tank Car Specification:

**Pre-Loading Inspection Items:**

	O.K.	Defect	If Defect, Comment...
General Visual Inspection, No Obvious Damage to Car			
Safety Appliances (ladders, handrails, steps walkways)			
Running Gear (springs, wheels, couplers, sill, etc.)			
Car Stenciling is on car, within Qual. dates, & readable			
Placard Holder Brackets in Place & in Working Order			
Hand Brakes Operable & Applied for the transfer			
Wheels Chocked prior to the transfer			
Derail Device or Switch Aligned Away & Locked			
Blue Flag(s) Deployed > 50 feet from end of car(s)			
Visual Inspection for Missing or Loose Bolts, Nuts, etc.			
Visual Inspection for Missing or Poor Manway Gasket			
Visual Inspection for Missing or Poor BOV Gasket			
No Indications of Leaks from the tank car			
Was there a security seal on this car at arrival to the transload siding? (y/n)			If Yes, Seal #

**Loading & Post-Loading Inspection Items:**

	O.K.	Defect	If Defect, Comment...
Valves & Fittings Not Leaking & Closed Tightly			
Secondary Closure Plugs or Flanges & Chains Secured			
All transfer fittings & tools removed from housing			
Lid for Protective Housing Closed, Pinned, and Sealed			
Proper Placards are Present, In Position, & Readable			
Post Load Leak Test (Snoop and/or L.E.L. Meter)			
Tank Car Weight & Outage Limits Not Exceeded*			

\*Calculate Below Prior to Answering

Security Seal Applied to Loaded Car? (y/n)	Seal Number Applied to Loaded Car:
--	------------------------------------

**Tank Car Product Load Volume Data:**

(X) Tank Car Shell Capacity: <i>US Gals.</i>	This wastewater Specific Gravity = 1.0
Do you have the Outage Chart for this car*? (y/n)	Gauge the Outage in Loaded Car: <i>Inches</i>

\*If no, you must obtain this outage chart to continue.

(Y) From Outage Chart & Gauge Measurement Data, How Many Gallons of Outage Space? <i>US Gals.</i>
---

Is the Outage Space in the car at least 2% of the tank car shell capacity? (y/n)
--

(Z) Calculate Gross Volume in car. Subtract (Y) from (X). Total gals.capacity - outage gallons = gross gallons.
---

<b>Estimated Tank Car Gallons (Z) =</b> <i>US Gals.</i>	Load Weight: Multiply Net Gallons x 8.34 pounds/gal.
Manifest# <i>US Gals.</i>	Load Weight = <i>pounds</i>
Manifest# <i>US Gals.</i>	Max Load Weight Stenciled = <i>pounds</i>
Manifest# <i>US Gals.</i>	Is Load Weight > Than Stenciled Weight?(y/n)
Manifest# <i>US Gals.</i>	
Manifest# <i>US Gals.</i>	

Estimated Volume from Trucks = <i>US Gals.</i>
--

<b>Estimated Tank Car Gallons (Z) =</b> <i>US Gals.</i>
---

<b>Manifested Volume Discrepancy=</b> <i>US Gals.</i>
---

Person Completing This Form

Sign Clearly

# Appendix A

**East Palestine Incident Action Plan, OP6**

**Approved By**

EPA R5:	Dollhopf, Ralph	<i>Ralph Dollhopf</i>
EPA R3:	DiDonato, Ann	<i>Ann DiDonato</i>
Ohio EPA:	Vogel, Anne	<i>Anne Vogel</i>
Norfolk Southern:	Schoendorfer, David	<i>David Schoendorfer</i>
Village of East Palestine FD:	Drabick, Keith	<i>Keith Drabick</i>
Columbiana Co EMA:	Clark, Peggy	<i>Peggy Clark</i>
FEMA:	Boyle, John	<i>Darrin Ricketts</i>
CDC / ATSDR:	Shugart, Jill	<i>LCDR James Gooch</i>
Ohio EMA:	Merick, Sima	<i>Sima Merick</i>

# Incident Action Plan



Trucks are pressure washed prior to transporting waste from the site.









**Present Conditions**

*Weather Conditions as of 03/01/2023 14:56*

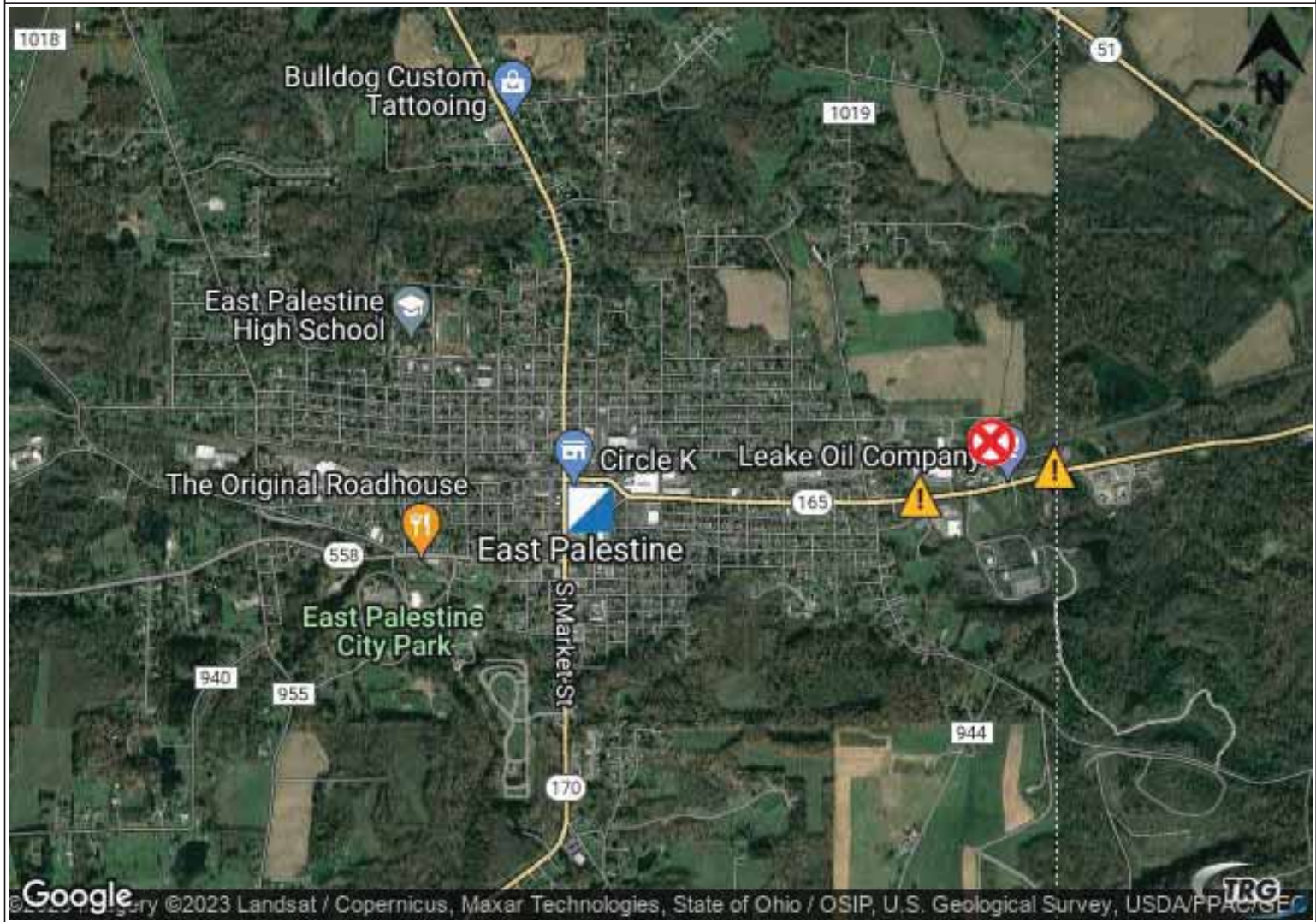
*beaver falls arp station id: KBVI*

<p><b>Temperature:</b> 68° Fahrenheit</p> <p><b>Wind Speed:</b> 9 mph</p> <p><b>Wind Direction (from):</b> W</p> <p><b>Visibility:</b> 10 mile(s)</p> <p><b>Humidity (%):</b> 25 %</p> <p><b>Short Description:</b> Sunny</p> <p><b>Full Description:</b> Sunny</p> <p><b>Current Speed:</b></p> <p><b>Current Direction (to):</b></p> <p><b>Water Temperature:</b> ° Fahrenheit</p>	<p><b>Feels Like:</b> 68° Fahrenheit</p> <p><b>Dew Point:</b> 31° Fahrenheit</p> <p><b>Pressure:</b> 29.71 in</p> <p><b>UV Index:</b></p> <p><b>Sunrise:</b> 06:55</p> <p><b>Sunset:</b> 18:12</p> <p><b>Wave Height:</b> feet</p> <p><b>Wave Direction:</b></p> <p><b>Swell Interval:</b> day(s)</p>
--	---

Forecast Date	Day		Night	
<b>Wed</b> 03/01/2023	 64 °F	<b>Partly Cloudy</b>  <b>Chance of Precipitation(%):</b> 0%  <b>Wind:</b> ESE at 11 mph	 40 °F	<b>Mostly Cloudy with Light Showers Likely</b>  <b>Chance of Precipitation(%):</b> 57%  <b>Wind:</b> SSE at 3 mph
<b>Thu</b> 03/02/2023	 51 °F	<b>Partly Cloudy</b>  <b>Chance of Precipitation(%):</b> 1%  <b>Wind:</b> NW at 7 mph	 32 °F	<b>Mostly Cloudy with Light Snow Showers</b>  <b>Chance of Precipitation(%):</b> 7%  <b>Wind:</b> N at 9 mph
<b>Fri</b> 03/03/2023	 44 °F	<b>Mostly Cloudy with Wintry Mix</b>  <b>Chance of Precipitation(%):</b> 98%  <b>Wind:</b> E at 10 mph	 39 °F	<b>Mostly Cloudy with Rain</b>  <b>Chance of Precipitation(%):</b> 98%  <b>Wind:</b> ESE at 27 mph

**Incident Map/Sketch**

Community





Incident Map/Sketch

EP incident vicinity



<b>ICS 202 - Incident Objectives</b>		Version Name: 202 20230301	
Incident Name: East Palestine Train Derailment 02032023		Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]	
<b>Objective</b>			
1) Integrate outreach efforts by Unified Command Group organizations.			
2) Review cleanup plans to ensure protection of human health.			
a. Expedite removal and proper disposal of contaminated soil and wastewater.			
3) Evaluate potential public health impacts of track removal operations and train traffic.			
a. Evaluate ongoing air releases.			
b. Ensure communication of potential public impacts prior to activities.			
4) Establish measurable targets for specific operational objectives.			
5) Implement public health assessment of the public and responders.			
6) Integrate operations of all Unified Command Group organizations including Norfolk Southern (NS).			
7) Develop and review work plan(s) for home cleaning efforts and soil sampling.			
8) Establish long-term unified command and incident command posts.			
<b>Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)</b>			
<b>MANAGEMENT OBJECTIVES</b>			
1. Ensure the health and safety of the public and response personnel.			
2. Maintain and enhance the unified response organization with local/state/federal agencies and NS.			
3. Collect, manage, and communicate multimedia environmental data with local/state/federal agencies and the community in a timely manner.			
4. In coordination with local leaders, conduct public health assessment, data evaluation, and community engagement.			
5. Speak with one voice on public health, natural resources, and environmental conditions (air, soil and water) through transparency and effective communications in coordination with partners in a timely manner.			
6. Provide updates to congressional delegations and the media regarding response progress.			
7. Direct and oversee NS assessment and remediation activities to ensure protection of human health and the environment.			
<b>General Situation Awareness (Safety bullets, Weather, etc.)</b>			
1. Be aware of increased press and VIP visits. Refer all questions to PIO/JIC.			
2. Be aware and respectful of enhanced security measures in ICP areas/clinics.			
3. Obtain and use incident credential.			
4. Be vigilant of odors and air emissions from soil excavation/removal operations			
5. Respect parking restrictions and be respectful of residents/businesses.			
<input type="checkbox"/> <b>Approve Site Safety Plan Located at :</b>			
<b>ICS 202 - Incident Objectives</b>		Prepared By David Popoff, Updated 03/01/2023 22:40 EST UTC-5 PP	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/01/2023 23:18 EST UTC-5	5 of 36	© TRG

ICS 203 - Organization Assignment List		Version Name: 203	
Incident Name: East Palestine Train Derailment 02032023		Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]	
Command		Operations Section	
Incident Commander	Dollhopf, Ralph - US EPA	Operations Section Chief - NS	Williams, Joseph
Deputy Incident Commander	Wolfe, Steve - US EPA	Operations Section Chief - US EPA	Maguire, Andrew
Safety Officer	Horvatin, Shanna - US EPA	Deputy Operations Section Chief - US EPA	Kelly, Brian - USEPA
East Palestine Fire Dept	Drabick, Keith	Deputy Operations Section Chief - FEMA	Ricketts, Darrin
Norfolk Southern	Schoendorfer, David	Monitoring/Sampling Branch Director	Cashmere, Jason
Public Information Officer	Lippert, Allison - US EPA	Site Remediation Branch Director	Kollar, Kurt - Ohio EPA
Liaison Officer	Koller, Mark - US EPA	Site Remediation Branch Deputy Director	Cole, Jackie - USEPA
Liaison Officer	Beckmann, Ronna - US EPA	Site Remediation Branch Deputy Director	Hunt, Daniel - NS
Columbiana Co EMA	Clark, Peggy	ODH	Hines, Lance
EPA Region 3	DiDonato, Ann	Public Health Group	Vins, Wesley
FEMA	Boyle, John	PA DOH	Watkins, Sharon
CDC/ATSDR	Shugart, Jill	CDC/ATSDR	Shugart, Jill
Ohio EPA	Vogel, Anne	US EPA	Fusinski, Keith
Ohio EMA	Merick, Sima	START	Grams, Dustin
Agency/Organization Representatives		USCG - AST	Baynor, Rick
Columbiana Co EMA	Rutledge, Brian	PA Response	DiDonato, Ann
PA DOA	Remmert, Walter	PA DEP	Moore, Brian
PA DEP	Moore, Brian		
PA DEP	Miller, Jim	Finance Section	
ODH	Dr. Vanderhoff, Bruce	Finance Section Chief	Hackley, Rick - US EPA
ODH	Himes, Lance	Deputy Finance Section Chief	Krieger, Geoffrey - US EPA
Columbiana Co HD	Vins, Wesley		
Beaver Co EMA	Brewer, Eric		
Beaver Co EMA	Whipple, Kevin		
PEMA	Bradfield, David (Randy)		
PA DOH	Watkins, Sharon		
PA DOH	Miller, Julie		
WV DEP	Meadows, Nathan		
ORSANCO	Harrison, Richard		
ORSANCO	Dinkins, Sam		
ICS 203 - Organization Assignment List		Prepared By Chris Sweeney, Updated 03/01/2023 18:59 EST UTC-5 PP	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/01/2023 23:18 EST UTC-5	6 of 36	© TRG



ICS 203 - Organization Assignment List		Version Name: 203	
Incident Name: East Palestine Train Derailment 02032023		Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]	
<b>Planning Section</b>			
Planning Section Chief	Renninger, Steve - US EPA		
Deputy Planning Section Chief	Naranjo, Bryan - NS		
Deputy Planning Section Chief	Ruesch, Paul - US EPA		
Deputy Planning Section Chief	Dybsky, Natalie - FEMA		
Resource Unit Leader	Wawczak, Jeff - US EPA		
Deputy Resources Unit	Cassas, Robert - FEMA		
Situation Unit Leader	Martin, William - US EPA		
Deputy Situation Unit	Ramos, Miguel - FEMA		
Documentation Unit Leader	Terrell, Tina - US EPA		
Environmental Unit Leader	Kerr, Michelle - US EPA		
ICS Specialist	Carmichael, Leonard - TRG		
ICS Specialist	Popoff, David - TRG		
Field Observer	Kolek, Jeremy - TRG		
<b>Logistics Section</b>			
Logistics Section Chief	Borseth, Jeff - US EPA		
Deputy Logistics Section Chief	Clements, Steven - FEMA		
IT Support	Williams, Darnell		
Field Support	Snyder, Rob		
Virtual Support	Gulch, Jon - US EPA		
<b>ICS 203 - Organization Assignment List</b>		Prepared By Chris Sweeney, Updated 03/01/2023 18:59 EST UTC-5 PP	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/01/2023 23:18 EST UTC-5	7 of 36	© TRG

# ICS 204 - Assignment List

Division: East Taggart NS

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

## Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Shift
Operations Section Chief - NS	Williams, Joseph	Norfolk Southern	4045206990	
Division/Group Supervisor	Gerard, Jordan	US EPA Region 4	404-562-8642	
Division/Group Supervisor	Deutsch, Scott	Norfolk Southern	412-439-2880	
Division/Group Supervisor	Skelton, Scott	CTEH	501-952-9621	
Division/Group Supervisor	OER	Ohio EPA		

## Resources Assigned

Identifier	Leader	#	Contact Number(s)	Reporting Location, Instructions, Notes
SPSI	McCarty, Drew	10	7249866571	Tank Car Cleaning
HEPACO	Bryant, Justin	2	937-818-9338	Vac Truck work(1 vac truck)
Cronin	Cronin, Rob	8	412-302-9024	Magnet work/excavation on North Side behind Blaze Industries
Cranemaster	Mosqueda, Jesse	6	219-712-4176	Railcar shearing and scrap load out South side dirt work, site prep

## Assignments

- 1) Continued heavy equipment work on north side for grading and excavation of site
- 2) South side will continue grading and lay down of primary and secondary soil containment using LLDPE for the load out of south side Main #1.
- 3) Continue to prep for track removal of South Main #1 - estimated begin upon UCG approval.
- 4) Remove track and excavate underlying soils consistent w/ approved workplan.
- 5) Continue potholing / storm sewer pipe investigation.

\*Project has been ongoing and will involve noted objectives beginning 2-27-23.

## Special Instructions

Work site air monitoring will dictate PPE.

**ICS 204 - Assignment List**

Group: Surface Water Sampling

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

**Operations Personnel**

<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Shift</b>
Operations Section Chief - NS	Williams, Joseph	Norfolk Southern	4045206990	
Site Remediation Branch Director	Kollar, Kurt	Ohio EPA	216-789-9282	
Site Remediation Branch Deputy Director	Cole, Jackie	US EPA R5	312-597-4421	
Site Remediation Branch Deputy Director	Hunt, Daniel	Norfolk Southern	4042734472	
Division/Group Supervisor	Hawkins, Jody	CTEH	501-765-5976	

**Resources Assigned**

<b>Identifier</b>	<b>Leader</b>	<b>#</b>	<b>Contact Number(s)</b>	<b>Reporting Location, Instructions, Notes</b>
Sampling Teams	Sharp, Tanner	8	501-517-0214	FOB

**Assignments**

- Water Quality Monitoring
- Surface Water Sample collection

## Equipment:

- Horiba water quality meter
- Mobile data collection
- appropriate collection

**Special Instructions**

Report to Matthew Gernand, Steve Aufdenkampe  
 Forward Operating Base (FOB): 40 South Market Street, East Palestine, OH

# ICS 204 - Assignment List

Group: Waste Water Transfer NS

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

## Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Shift
Operations Section Chief - NS	Williams, Joseph	Norfolk Southern	4045206990	
Disposal Group Supervisor	Patten, David	Norfolk Southern	4236971547	
Disposal Group Supervisor	Vrabec, Adam	US EPA R5	312-448-3853	
Site Remediation Branch Deputy Director	DER			

## Resources Assigned

Identifier	Leader	#	Contact Number(s)	Reporting Location, Instructions, Notes
CTEH	JT Wilson	1	501-366-7971	Air Monitoring
SPSI	Tom Wildman / Greg Palmer	4	419-346-0795 / 715-377-8067	Waste Transfer

## Assignments

- 1) Transfer liquid waste from tank trucks to tank cars using BMP as prescribed in AAR Pamphlet 34 tank car loading instructions.
- 2) Proper spill containment, contingency spill release equipment will be in place with proper manifest trailer for load out by NS to approved facilities.
- 3) Support transload to railcars at NS yard in Lordstown, OH.

## Special Instructions

Work site air monitoring will dictate PPE.

# ICS 204 - Assignment List

Group: Waste Water Truck Loading NS

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

## Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Shift
Operations Section Chief - NS	Maguire, Andrew	US EPA R5	312-758-8672	
Disposal Group Supervisor	Patten, David	Norfolk Southern	4236971547	
Disposal Group Supervisor	Vrbac, Adam			
Distribution Group Supervisor	Hood, Zach	USCG AST	609-784-6358	
Division/Group Supervisor	DERR-HEW			

## Resources Assigned

Identifier	Leader	#	Contact Number(s)	Reporting Location, Instructions, Notes
SRS	Day, Chip	5	8178455912	
Arcadis/SPSI	Wetzel, Brain / Lindley, Josh	3	908-295-9905 / 724-579-8700	Manifest Handling
Cronin	Cronin, Rob	4	412-302-9024	Frac-Tank off loading to truck for transit
Hepaco	Frazzini, Ted	4	412-439-3460	Frac-Tank off loading to truck for transit

## Assignments

- 1) On-going downsize Mobile storage tank footprint on North side of site at Blaze Industries on South side of Taggart Rd.
- 2) Continue appropriate scheduling and trans-load of contaminated water to trucks for haul to appropriate and designated facility.
- 3) Manage load out of water from containment areas.
- 4) Follow traffic plans to and from loadout area(s).
- 5) Track and report daily volumes.

## Special Instructions

Work-site air monitoring will dictate PPE



# ICS 204 - Assignment List

Group: Solid Debris Loadout

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

## Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Shift
Operations Section Chief - NS	Williams, Joseph	Norfolk Southern	4045206990	
Site Remediation Branch Director	Kollar, Kurt	Ohio EPA	216-789-9282	
Site Remediation Branch Deputy Director	Cole, Jackie	US EPA R5	312-597-4421	
Site Remediation Branch Deputy Director	Hunt, Daniel	Norfolk Southern	4042734472	
Division/Group Supervisor	Shanks, Bryan	Norfolk Southern	5742292868	

## Resources Assigned

Identifier	Leader	#	Contact Number(s)	Reporting Location, Instructions, Notes
SPSI	Drew McCarty	5	817-845-5912	Waste pile management and load up
Arcadis	Jay Reid	2	312-420-5083	Manifest handling
Green Rock	Craig Fisk / Chad Runnion	2	770-688-5946 / 615-454-0461	Truck management / manifesting

## Assignments

- 1) Ongoing load out of semi-trucks of impacted soils, segregated by profile and constituent impact.
- 2) Site is inclusive of contained truck wash and scaling operations. BMP's are in place to ensure minimized impact off pile.
- 3) In addition, during load out of acrylate impacted soils, strategic and targeted application of acrylate killer Acronel 27 and Acronel SS-30 to reduce odor accumulation at designation.
- 4) This will be performed on the pile not in the loaded truck and each SDS is available on request.

## Special Instructions

Work site air monitoring will dictate PPE.

# ICS 204 - Assignment List

Group: Surface Water / Sediment Quality NS

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

## Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Shift
Operations Section Chief	Maguire, Andrew	US EPA R5	312-758-8672	
Site Remediation Branch Director	Kollar, Kurt	Ohio EPA	216-789-9282	
Site Remediation Branch Deputy Director	Cole, Jackie	US EPA R5	312-597-4421	
Site Remediation Branch Deputy Director	Hunt, Daniel	Norfolk Southern	4042734472	
Division/Group Supervisor	Williams, Nathan	Norfolk Southern	404-548-0009	
Division/Group Supervisor	Hunsicker, Chris	Norfolk Southern	412 445-4456	
Division/Group Supervisor	OER	Ohio EPA		

## Resources Assigned

Identifier	Leader	#	Contact Number(s)	Reporting Location, Instructions, Notes
Hepaco	Ted Frazzini		412-439-3460	Leslie and Sulphur Run

## Assignments

- 1) Ongoing aeration and sparging of Sulphur and Leslie Run from under track culvert to the backside of the East Palestine WWTP.
- 2) Continue to armor and assess location based on last rain fall event. Coordinate with OEPA for any proposed operational changes.
- 3) Day operations include cleaning inlets and outlets of pumps/aerators; Continue Sulphur Run and Leslie Run bank and bottom washing to remove and collect contaminates.
- 4) Night Operations include cleaning the inlets and outlets of pumps/aerators

## Special Instructions

Work site air monitoring will dictate PPE.

# ICS 204 - Assignment List

Group: Mobile Air Monitoring

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

## Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Shift
Operations Section Chief - US EPA	Maguire, Andrew	US EPA R5	312-758-8672	
Division/Group Supervisor	Mickunas, Dave	US EPA	9195414191	
Division/Group Supervisor	Wilson, JT	CTEH	501-366-7971	
Division/Group Supervisor	Megan Combs			
Division/Group Supervisor	Edmunds, Jordan	Tetra Tech	915-491-6223	

## Resources Assigned

Identifier	Leader	#	Contact Number(s)	Reporting Location, Instructions, Notes
START ST	Edmunds, Jordan	2	915-491-6223	FOB
US EPA TAGA ST	Mickunas, Dave	2	9195414191	FOB
US EPA PHILIS	Kaelin, Larry	1	7323216625	FOB
CTEH	Wilson, JT	1	501-366-7971	FOB

## Assignments

- 1) Monitor at pre-established community locations per AMSP
- 2) Monitor locations near active waste loading area (Dustrak)
- 3) Collect data using Survey 123 form
- 4) Report exceedances immediately to OPS Section Chief
- 5) Plan for integration of TAGA operations during rail excavation
- 6) Integrate NS/CTEH monitoring into team
- 7) Provide daily summaries to J. Cashmere by 1800 (shift change)

Equipment: iPads, Dustrak, MultiRAE Pro monitors

## Special Instructions

Use buddy system, high viz vests. Increased safety vigilance/awareness. Teams accompanied by law enforcement. Refer media inquires to JIC.

**ICS 204 - Assignment List**

Group: Stationary Air Monitoring/Sampling

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

**Operations Personnel**

<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Shift</b>
Operations Section Chief - US EPA	Maguire, Andrew	US EPA R5	312-758-8672	
Division/Group Supervisor	Marks, Josh	USCG AST	4074744012	
Division/Group Supervisor	Giugliano, Claudio	USCG AST	361-443-7591	
Division/Group Supervisor	DeLong, Mike	Mannik Smith Group	517-290-7066	
Division/Group Supervisor	Wilson, JT	CTEH	501-366-7971	

**Resources Assigned**

<b>Identifier</b>	<b>Leader</b>	<b>#</b>	<b>Contact Number(s)</b>	<b>Reporting Location, Instructions, Notes</b>
USCG AST (Day)	Marks, Josh	2	4074744012	FOB
USCG AST (Night)	Giugliano, Claudio	2	361-443-7591	FOB

**Assignments**

- 1) Maintain 20 station network (equipment, VIPER connection, calibrations) on 24hr basis
- 2) Maintain new locations near active waste loading area (AreaRAE, Dustrak)
- 3) Report exceedances to OPS Section Chief
- 4) Collect daily (24hr) SUMMA canister at Leake Oil and upwind locations for analysis
- 5) Ensure security and integrity of equipment by routine visits to each location. Report tampering/vandalism to OPS Section Chief and 911.
- 6) Integrate NS/CTEH monitoring network into team
- 7) Provide daily summaries to OPS Section Chief by 1800 (shift change)

Equipment: AreaRAE Pros, SUMMA canisters, Dustrak, VIPER network equipment, MultiRAE Pros, Safer Suit Software

**Special Instructions**

Safety Issues: Follow COVID Protocols  
 Be aware of traffic and trains near monitoring locations (use designated routes)  
 Use the buddy system, wear high-viz vests  
 Report any health concerns/issues to OPS Section Chief or SO  
 Refer media inquiries to JIC

# ICS 204 - Assignment List

Group: Residential Air Screening

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

## Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Shift
Operations Section Chief - US EPA	Maguire, Andrew	US EPA R5	312-758-8672	
Division/Group Supervisor	Smerage, Talia	Mannik Smith Group	734-277-9526	
Division/Group Supervisor	Wilson, JT	CTEH	501-366-7971	

## Resources Assigned

Identifier	Leader	#	Contact Number(s)	Reporting Location, Instructions, Notes
START	Smerage, Talia	2	734-277-9526	FOB
CTEH	Wilson, JT	2	501-366-7971	FOB
Columbiana Co Sheriff	TBD	1		FOB

## Assignments

- 1) Obtain daily schedule for target homes.
- 2) Conduct indoor air screening at target residences per 'Home Safely' plan.
- 3) Collect data using Mobile Data Studio/Survey 123 software.
- 4) Report exceedances according to plan (Mark Dudle, NS).
- 5) Provide summary of findings form to resident upon completion.
- 6) Expand target residences to 1.15 mi radius from incident location (+150).
- 7) Provide daily summaries to OPS Section Chief by 1800.

### Equipment:

SPM Flex (hydrogen chloride), Gastec (vinyl chloride if VOC detect), MultiRAE Pro, Drager XPID, colorimetric tubes

## Special Instructions

### Safety Issues:

Use buddy system, high viz vests. Increased safety vigilance/awareness. Teams accompanied by law enforcement. Refer media inquires to JIC.



# ICS 204 - Assignment List

Group: Public Health

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

## Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Shift
Division/Group Supervisor	Shugart, Jill	CDC/ATSDR	404-639-3311	
Operations Section Chief - US EPA	Vins, Wesley	Columbiana Co HD	330-424-0272	
Division/Group Supervisor	Watkins, Sharon	PA DOH	717-439-7321	

## Resources Assigned

Identifier	Leader	#	Contact Number(s)	Reporting Location, Instructions, Notes
Columbiana Co. Health Department	Vins, Wesley	2	330-424-0272	FOB
Ohio Dept. of Health	Himes, Lance	5	614-288-3055	FOB
Pennsylvania DOH	Watkins, Sharon	2	717-439-7321	FOB
CDC/ATSDR	Shugart, Jill	20	404-639-3311	FOB
US EPA R5	Fusinski, Keith	1	734-740-9018	FOB

## Assignments

OH clinic @ 20 W. Martin St., E. Palestine, OH (phone: 234-564-7755 or 7888)  
 PA Health Resource Center @ 3590 Darlington Rd, Darlington, PA

- PA Health Resource Center: Darlington Township Municipal Building, 3590 Darlington Rd, Darlington, PA 16115
- 1) Operate public health centers (OH clinic, PA health resource center)
  - 2) Conduct Assessment of Chemical Exposures 'ACE' investigation (OH, PA, 1st responders) survey administration
  - 3) Monitor community concerns and identify trend(s)
  - 4) Assist w/ messaging & materials for community clinics/health centers, Welcome Center, public meetings
  - 5) Coordinate with Community Task Force teams (6) – door to door canvassing
  - 6) Provide technical assistance/data to partner agencies
  - 7) Report activity summaries and coordinate w/ partners via 'daily sync' meeting

## Special Instructions

COVID protocols, buddy system/accountability, local field escorts

**ICS 204 - Assignment List**

Group: Drinking Water

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

**Operations Personnel**

<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Shift</b>
Operations Section Chief - US EPA	Maguire, Andrew	US EPA R5	312-758-8672	
Division/Group Supervisor	Harrison, Richard	ORSANCO	859-393-4661	
Division/Group Supervisor	Dinkins, Sam	ORSANCO	513-509-2972	
Division/Group Supervisor	Vins, Wesley	Columbiana Co HD	330-424-0272	
Drinking Water Supervisor	Ross, Katie	Stantec		

**Assignments**

- 1) Maintain 24hr fixed monitoring network on Ohio River, one site at increased. frequency at all monitoring locations down to Evansville, IN.
- 2) Advise local water utilities on status/sample results to ensure water supply safety.
- 3) Assist utility w/ daily sample taken at East Liverpool, OH station.
- 4) Continue providing daily updates for distribution.
- 5) Continue local monitoring groundwater samples (3 teams) (CCHD)
- 6) Incorporate NS sampling efforts.

Issue/Equipment: Provide resource needs to EPA. Systems calibrated for target chemicals.

**Special Instructions**

Provide resource needs to US EPA Operations Section Chief as soon as possible  
Refer media inquiries to PIO/JIC

**ICS 204 - Assignment List**

Group: Pennsylvania Response

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

**Operations Personnel**

<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Shift</b>
Operations Section Chief - US EPA	Maguire, Andrew	US EPA R5	312-758-8672	
Division/Group Supervisor	DiDonato, Ann	US EPA R3	215-287-8157	
Division/Group Supervisor	Moore, Brian	PA DEP	717-787-5715	

**Assignments**

- 1) Maintain list of resident inquiries/requests.
- 2) Conduct private well sampling w/ target area.
- 3) Continue investigation of particulate depositional area downwind of site (coordinate w/ ENVL on lab method).
- 4) Provide daily updates to OPS Section Chief.

Issues: Continue integrating PA DEP personnel.

**Special Instructions**

Follow COVID protocols  
Refer media inquiries to PIO/JIC

# ICS 204 - Assignment List

Group: Remediation

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

## Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Shift
Operations Section Chief - US EPA	Maguire, Andrew	US EPA R5	312-758-8672	
Disposal Group Supervisor	Kollar, Kurt	Ohio EPA	216-789-9282	
Division/Group Supervisor	Cole, Jackie	US EPA R5	312-597-4421	
Division/Group Supervisor	Hunt, Daniel	Norfolk Southern	4042734472	
Division/Group Supervisor	Witherspoon, Melissa	Ohio EPA		

## Resources Assigned

Identifier	Leader	#	Contact Number(s)	Reporting Location, Instructions, Notes
Ohio EPA	Ballser, Wade	1	2167899281	FOB

## Assignments

- 1) Oversee and direct response/mitigation/transportation & disposal efforts.
- 2) Conduct surface water/groundwater/public water system sampling.
- 3) Implement track removal/replacement plan in coordination w/ OEPA, ENVL once approved by UCG.

## Special Instructions

Safety Issues:  
 Follow COVID protocols  
 Follow CTEH HASP on site  
 Obtain Responsible Party/CTEH escort(s) prior to entering scene  
 Report media inquiries to JIC

**ICS 205a - Communications List**

Version Name: Unified Command Group 03/01/23

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

**Local Communications Information**

<b>Name</b>	<b>Incident Assigned Position</b>	<b>Mobile Phone</b>	<b>Work Phone</b>	<b>Organization</b>	<b>Email</b>
Dollhopf, Ralph	IC	231-301-0559		US EPA R5	dollhopf.ralph@epa.gov
Justice, James	Deputy IC	440-476-7694		US EPA R5	justice.james@epa.gov
Wolfe, Steve	Deputy IC	440-241-3620		US EPA R5	wolfe.stephen@epa.gov
Drabick, Keith	EP Fire Dept	440-915-2838		E. Palestine FD	k.a.drabick@eastpalestine-oh.gov
Brown, James	EP Fire Dept	330-426-4341		E. Palestine PD	j.c.brown@eastpalestine-oh.gov
Clark, Peggy	Columbiana Co EMA	724-312-7144		Columbiana Co EMA	peggy.clark@ccoema.org
Boyle, John	FEIMA R5	202-705-0578		FEIMA R5	john.boyle@fema.dhs.gov
DiDonato, Ann	USEPA R3	215-287-8157		US EPA R3	didonato.ann@epa.gov
Shugart, Jill	CDC/ATSDR	404-639-3311		CDC/ATSDR	ahe8@cdc.gov
Vogel, Anne	Ohio EPA	614-397-8337		Ohio EPA	anne.vogel@epa.ohio.gov
Merick, Sima	Ohio EMA	614-561-6298		Ohio EMA	smerick@dps.ohio.gov
Sigmon, Josh	Ohio EMA	614-359-0641		Ohio EMA	jsigmon@dps.ohio.gov
Schoendorfer, David	NS	404-582-3762		Norfolk Southern	david.schoendorfer@nscorp.com

**ICS 205a - Communications List**

Prepared By Lenny Carmichael, Updated 03/01/2023 17:32 EST UTC PP

Printed 03/01/2023 23:18 EST UTC-5

21 of 36

© TRG



**ICS 205a - Communications List**

Version Name: Command Staff 3/1/23

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

**Local Communications Information**

<b>Name</b>	<b>Incident Assigned Position</b>	<b>Mobile Phone</b>	<b>Work Phone</b>	<b>Organization</b>	<b>Email</b>
Horvatin, Shanna	Safety Officer	312-237-1637		US EPA R5	horvatin.shanna@epa.gov
Skelton, Scott	Asst. Safety Officer	501-952-9621		CTEH	sskelton@cteh.com
Borries, Sam	RIC	312-353-8360		US EPA R5	borries.samuel@epa.gov
El-Zein, Jason	RIC	734-214-4900		US EPA R5	el-zein@epa.gov
Short, Tom	RIC	312-405-7207		US EPA R5	short.thomas@epa.gov
Saucedo, Alfred	RIC	312-886-0404		US EPA R5	saucedo.alfred@epa.gov
Beckmann, Ronna	Liaison Officer	312-607-9830		US EPA R5	beckmann.ronna@epa.gov
Clark, Kevin	Liaison Officer	304-234-0271		US EPA R5	clark.kevin@epa.gov
Koller, Mark	Liaison Officer	312-353-2591		US EPA R5	koller.mark@epa.gov
Cunningham, Maureen	Liaison Officer	312-560-5230		FEMA R5	maureen.cunningham@fema.dhs.gov
Brewer, Eric	Agency Representative	724-624-1455		Beaver Co EMA	ebrewer@beavercountypa.gov
Whipple, Kevin	Agency Representative	724-622-5806		Beaver Co EMA	kwhipple@beavercountypa.gov
Rutledge, Brian	Agency Representative	330-360-6912		Columbiana Co EMA	brian.rutledge@ccoema.org
Vins, Wesley	Agency Representative	330-424-0272		Columbiana Co HD	wvins@columbiana-health.org
Dinkins, Sam	Agency Representative	513-509-2972		ORSANCO	sdinkins@orsanco.org
Harrison, Richard	Agency Representative	859-393-4661		ORSANCO	rharrison@orsanco.org
Vanderhoff, Bruce	Agency Representative			ODH	bruce.vanderhoff@odh.ohio.gov
Himes, Lance	Agency Representative	614-288-3055		ODH	lance.himes@odh.ohio.gov
Williams, Miranda	Agency Representative			Ohio Dept of Health	miranda.williams@odh.ohio.gov
McBride, Tamara	Agency Representative	614-381-2037		ODH	tamara.mcbride@odh.ohio.gov
Meadows, Nathan	Agency Representative	304-993-2230		WV DEP	nathan.c.meadows@wv.gov
Miller, Jim	Agency Representative	412-442-4181		PA DEP	jamesmill@pa.gov
Watkins, Sharon	Agency Representative	717-439-7321		PA DOH	shawatkings@pa.gov
Smith, Ryan	Agency Representative			PA DOA	ryanpsmith@pa.gov
Remmert, Walter	Agency Representative	717-461-5473		PA DOA	wremmert@pa.gov
Padfield, Randy	Agency Representative	717-651-2001		PA EMA	dpadfield@pa.gov
Durno, Mark	RIC	440-250-1743		EPA	durno.mark@epa.gov
Tieney, Mary Ann	Agency Representative			FEMA	

**ICS 205a - Communications List**

Printed 03/01/2023 23:18 EST UTC-5

Prepared By Lenny Carmichael, Updated 03/01/2023 18:54 EST UTC PP

**Local Communications Information**

Name	Incident Assigned Position	Mobile Phone	Work Phone	Organization	Email
Poorman, Andrew	Asst. Safety Officer	202-568-3194		FEMA	andrew.poorman@fema.dhs.gov

ICS 205a - Communications List		Version Name: Operations 3/1/23			
Incident Name: East Palestine Train Derailment 02032023		Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]			
Local Communications Information					
Name	Incident Assigned Position	Mobile Phone	Work Phone	Organization	Email
Maguire, Andrew	Operations Section Chief	312-758-8672		US EPA R5	maguire.andrew@epa.gov
Edwards, Tricia	Deputy Operations Section Chief	734-740-9016		US EPA R5	edwards.tricia@epa.gov
Ricketts, Darrin	Deputy Operations Section Chief	720-910-1643		FEMA Region 5	darrin.ricketts@fema.dhs.gov
Williams, Joseph	Deputy Operations Section Chief	404-520-6990		Norfolk Southern	joseph.Williams3@NSCorp.com
Cole, Jackie	Operations Section Support	312-597-4421		US EPA R5	cole.jacquelyn@epa.gov
Cashmere, Jason	Operations Section Support	440-250-1703		US EPA R5	cashmere.jason@epa.gov
Peters, Joshua	Operations Section Support	708-222-7337		US EPA R5	peters.joshua@epa.gov
Hunt, Daniel	Deputy Operations Section Chief	404-273-4472		Norfolk Southern	daniel.hunt@nscorp.com
Pohl, Eric	Operations Section Support	440-759-7785		US EPA R5	poh.eric@epa.gov
Vrabec, Adam	Operations Section Support	312-448-3853		US EPA R5	vrabec.adam@epa.gov
Kimble, Jeff	Operations Section Support	734-740-9013		US EPA R5	kimble.jeffrey@epa.gov
Vega, Sonia	Operations Section Support	651-402-2562		US EPA R5	vega.sonia@epa.gov
Rapone, Charles	Operations Section Support	445-236-7844		US EPA R3	rapone.charles@epa.gov
Kelly, Brian	Operations Section Support	734-692-7684		US EPA R5	kelly.brian@epa.gov
Morrison, Dave	Operations Section Support	651-757-2408		US EPA R5	morrison.david@epa.gov
Mitchell, Jim	Operations Section Support	312-802-1231		US EPA R5	mittchell.james@epa.gov
Holz, Theresa	Operations Section Support	708-307-5106		ERRS-EQM	tholz@eqm.com
Bartos, Myles	Operations Section Support	215-266-7568		US EPA R3	myles.bartos@epa.gov
Wagner, Christine	Operations Section Support	804-698-4164		US EPA R3	wagner.christine@epa.gov
DeJesus-Vega, Miguel	Operations Section Support	609-351-7145		USCG AST	miguel.a.dejesusvega@uscg.mil
Baynor, Rick	Operations Section Support	252-305-9090		USCG AST	richard.w.baynor@uscg.mil
Driscoll, Sean	Operations Section Support	734-516-2742		USCG AST	sean.m.driscoll@uscg.mil
Marks, Josh	Operations Section Support	407-474-4012		USCG AST	joshua.d.marks@uscg.mil
Giugliano, Claudio	Operations Section Support	361-443-7591		USCG AST	claudio.g.giugliano@uscg.mil
Hood, Zach	Operations Section Support	609-784-6358		USCG AST	zachary.t.hood@uscg.mil
Layton, Shane	Operations Section Support	856-430-2713		USCG AST	shane.m.layton@uscg.mil
Delgado, Paige	Operations Section Support	214-665-2724		US EPA CMAT	delgado.paige@epa.gov

**ICS 205a - Communications List**

Version Name: Operations 3/1/23

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

**Local Communications Information**

<b>Name</b>	<b>Incident Assigned Position</b>	<b>Mobile Phone</b>	<b>Work Phone</b>	<b>Organization</b>	<b>Email</b>
Argenta, Edward	Operations Section Support	202-843-4511		US EPA CMAT	argenta.edward@epa.gov
Miller, Charles	Operations Section Support	771-210-7466		US EPA CMAT	miller.charles.t@epa.gov
Kaelin, Larry	Operations Section Support	732-321-6625		US EPA	kaelin.lawrence@epa.gov
Ball, Gerald	Operations Section Support	732-215-2294		US EPA ERT	ball.gerald@epa.gov
Mickunas, Dave	Operations Section Support	919-541-4191		US EPA	mickunas.david@epa.gov
Gooch, James	Operations Section Support	471-470-5237		CDC/ATSDR	igooch@cdc.gov
Caudill, Motria	Operations Section Support	312-257-4853		CDC/ATSDR	caudill.motria@cdc.gov
Tremarelli, Maraia	Operations Section Support	404-829-0678	780-723-4425	CDC/ATSDR	nmn1@cdc.gov
Dunn, Kevin	Operations Section Support			CDC/ATSDR	kgd8@cdc.gov
Johnson, Lona	Operations Section Chief			CDC/ATSDR	jig@cdc.gov
Orr, Maureen	Operations Section Support			CDC/ATSDR	mco0@cdc.gov
Dewart, Courtney	Operations Section Support			CDC/ATSDR	phz4@cdc.gov
Goldsworthy, Lisa	Operations Section Support			CDC/ATSDR	pyn5@cdc.gov
Larson, Ted	Operations Section Support			CDC/ATSDR	thl3@cdc.gov
Dunn, Ian	Operations Section Support			CDC/ATSDR	lmq8@cdc.gov
Parasram, Vidisha	Operations Section Support			CDC/ATSDR	rix2@cdc.gov
Shi, Dallas	Operations Section Support			CDC/ATSDR	rhq9@cdc.gov
Garcia, Valerie Madera	Operations Section Support			CDC/ATSDR	nxj7@cdc.gov
Cornforth, Daniel	Operations Section Support			CDC/ATSDR	rio8@cdc.gov
Gichuhi, Besh	Operations Section Support			CDC/ATSDR	tg7@cdc.gov
Burr, Kathryn	Operations Section Support			CDC/ATSDR	tgx6@cdc.gov
Crisp, Carolyn	Operations Section Support			CDC/ATSDR	tg2@cdc.gov
Dulcey, Melissa	Operations Section Support			CDC/ATSDR	tg2@cdc.gov
Michalek, Martha	Operations Section Support	412-442-4013		PA DEP	mmichalek@pa.gov
Moore, Brian	Operations Section Support	717-787-5715		PA DEP	bmoore@pa.gov
Wilste, Daniel	Operations Section Support	330-388-9085		Ohio EPA	
Gortner, Ed	Operations Section Support	409-350-1337		Ohio EPA	ed.gortner@epa.ohio.gov
Eberle, Mike P		330-963-1126		Ohio EPA	michael.eberle@epa.ohio.gov

**ICS 205a - Communications List**

Prepared By Leonard Carmichael Jr., Updated 03/01/2023 17:35 E PP

ICS 205a - Communications List		Version Name: Operations 3/1/23			
Incident Name: East Palestine Train Derailment 02032023		Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]			
Local Communications Information					
Name	Incident Assigned Position	Mobile Phone	Work Phone	Organization	Email
Kollar, Kurt	Operations Section Support	216-789-9282		Ohio EPA	kurt.kollar@epa.ohio.gov
Balser, Wade	Operations Section Support	216-789-9281		Ohio EPA	wade.balser@epa.ohio.gov
Witherspoon, Melissa	Operations Section Chief			Ohio EPA	melissa.witherspoon@epa.ohio.gov
Hurst, David	Operations Section Support	713-213-6356		CST	david.a.hurst19.mil@army.mil
Cleary, Caeli	Operations Section Support	619-863-3346		Tetra Tech	Caeli.cleary@tetratech.com
Grossman, Todd	Operations Section Support	734-5024002		Tetra Tech	TODD.GROSSMANN@tetratech.com
Schultz, Karl	Operations Section Support	262-227-1049		Tetra Tech	karl.schultz@tetratech.com
Fusinski, Keith	Operations Section Support	734-740-9018		US EPA R5	fusinski.keith@epa.gov
Grams, Dustin	Operations Section Support	440-512-9282		Tetra Tech	dustin.grams@tetratech.com
Cooper, Katherine	Operations Section Support	262-203-2563		Tetra Tech	katherine.cooper@tetratech.com
Peterca, Adam	Operations Section Support	440-897-9880		Tetra Tech	adam.peterca@tetratech.com
Tierney, Aidan	Operations Section Support	412-877-7888		Tetra Tech	aidan.tierney@tetratech.com
Nance, Gene	Operations Section Support	302-738-7551		Tetra Tech	gene.nance@tetratech.com
Brennan, John	Operations Section Support	337-517-9194		Tetra Tech	JOHN.BRENNAN@tetratech.com
Edmunds, Jordan	Operations Section Support	440-512-9286		Tetra Tech	jordan.edmunds@tetratech.com
Myles, Kirsten	Operations Section Support	708-955-4569	403-514-6543	Tetra Tech	Kirsten.Myles@tetratech.com
Smith, Jessie	Operations Section Support	503-875-4358	540-878-8966	Tetra Tech	Jessie.smith@tetratech.com
Enright, Alexis	Operations Section Support	219-427-4067	256-352-7088	Tetra Tech	alexis.enright@tetratech.com
Davis, Brandi	Operations Section Support	619-829-0360		Tetra Tech	brandi.davis@tetratech.com
Renner, Cordell	Operations Section Support	847-913-2904	604-444-6800	Tetra Tech	cordell.renner@tetratech.com
Jay, Geoffrey	Operations Section Support	832-283-1339		Tetra Tech	GEOFFREY.JAY@tetratech.com
Delong, Mike	Operations Section Support	517-290-7066		Mannik Smith Group	mdelong@mankniksmithgroup.com
Smerage, Talia	Operations Section Support	734-277-9526		Mannik Smith Group	Erika_Arthur@murphyoilcorp.com
Currie, Ethan	Operations Section Support	409-204-2751		CTEH	jason.artrip@arcadis.com
Wilson, JT	Operations Section Support	501-366-7971		CTEH	farvizu@omies.com
Fenske, Jacob	Operations Section Support	501-584-8239		CTEH	jfenske@cteh.com
Ross, Katie	Operations Section Support			Stantec	
Bialosky, Don	Operations Section Support	412-442-4187		PA DEP	dbialosky@pa.gov
Blaser, Matthew	Operations Section Support	217-390-4797		US EPA R5	blaser.matthew@epa.gov



Incident Name: East Palestine Train Derailment 02032023 Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

Local Communications Information						
Name	Incident Assigned Position	Mobile Phone	Work Phone	Organization	Email	
Bryant, Mike	Operations Section Support	312-590-6177		US EPA R5	bryant.michael@epa.gov	
Gelder, Mary	Operations Section Support	312-886-4359		US EPA R5	gelder.mary@epa.gov	
Miller, Kristina	Operations Section Support	312-237-5685	281-476-2430	US EPA R5	miller.kristina@epa.gov	
Bellamy, Amber	Operations Section Support	3303226149		US FWS	amber_bellamy@fws.gov	
Conway, Mayor Trent	Operations Section Support	330-426-4367		City of Palestine FD		
Treker, Jennifer	Operations Section Support	330-424-9519		Columbiana Deputy Sheriff	steven.aufdenkampe@nscorp.com	
Dixit, Naeha	Operations Section Support	312-353-5524		US EPA R5	dixit.naeha@epa.gov	
Cahn, Jeff	Operations Section Support	312-886-6670		US EPA R5	cahn.jeff@epa.gov	
Kirby-Miles, Leslie	Operations Section Support	312-353-9443		US EPA R5	kirby-miles.leslie@epa.gov	
Tony, Moore	Operations Section Support			US EPA R3	moore.tony@epa.gov	
Darby, Valincia	Operations Section Support	403-510-0929	403-514-6551	US DOI	valincia_darby@ios.doi.gov	
Nelson, John	Operations Section Support	215-266-5155		US DOI	john_nelson@ios.doi.gov	
Millsap, Deborah	Operations Section Support	971-409-2414		US FWS	deborah_millsap@fws.gov	
Williams, Lisa	Operations Section Support	517-256-0231		US FWS	lisa_williams@fws.gov	
Santiago, Cindy	Operations Section Support	215-814-3282		US EPA R3	santiago.cindy@epa.gov	
Eberts, Howie	Operations Section Support	216-447-4194		OSHA	eberts.howard@dol.gov	
Murphy, Eddie	Operations Section Support	202-366-7043		DOT PHMSA	eddie.murphy@dot.gov	
Meckfessel, Dwight	Operations Section Support	405-318-2606		DOT PHMSA	dwright.meckfessel@dot.gov	

**ICS 205a - Communications List**

Version Name: Planning 3/1/23

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

**Local Communications Information**

<b>Name</b>	<b>Incident Assigned Position</b>	<b>Mobile Phone</b>	<b>Work Phone</b>	<b>Organization</b>	<b>Email</b>
Renninger, Steve	Planning Section Chief	513-260-7849		US EPA R5	renninger.steven@epa.gov
Dybsky, Natalie	Deputy Planning Section Chief	202-455-9967		FEMA Region 5	natalie.dybsky@fema.dhs.gov
Ruesch, Paul	Deputy Planning Section Chief	312-886-7898		EPA	Ruesch.Paul@EPA.gov
Naranjo, Bryan	Deputy Planning Section Chief	678-772-0998		Norfolk Southern	Bryan.Naranjo@NSCorp.com
Turner, Janien	Situation Unit Leader	312-886-9076		US EPA R5	turner.janien@epa.gov
Martin, William	Situation Unit Leader	215-814-3257		US EPA R3	martin.william@epa.gov
Wawczak, Jeff	Resource Unit Leader	202-503-7080		US EPA R5	wawczak.jeffrey@epa.gov
Cassas, Robert	Resource Unit	202-706-1860		US EPA R5	robert.cassas@fema.dhs.gov
Nilsen, Ashley	Data Unit Leader	267-559-6628		US EPA R3	nilsen.ashley@epa.gov
Sewell, Jason	Data Unit Leader	317-517-6987		Environmental Protection Agency - Chicago	sewell.jason@epa.gov
Bumba, Lauren	Data Unit	312-886-4844		US EPA R5	bumba.lauren@epa.gov
Kerr, Michelle	Environmental Unit Leader	202-578-3043		US EPA R5	kerr.michelle@epa.gov
Terrell, Tina	Documentation Unit Leader	404-562-8835		US EPA R5	terrell.tina@epa.gov
Thomas, Saphique	EJ Coordinator	312-886-7897		US EPA R5	thomas.saphique@epa.gov
Ramos, Miguel	Situation Unit	312-330-6674		FEMA Region 5	miguel.ramos@fema.dhs.gov
Stargel, Alison	Documentation Unit			US EPA R5	kna8@cdc.gov

**ICS 205a - Communications List**

Prepared By Leonard Carmichael Jr., Updated 03/01/2023 17:36 E PP

ICS 205a - Communications List		Version Name: Logistics 3/1/23			
Incident Name: East Palestine Train Derailment 02032023		Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]			
Local Communications Information					
Name	Incident Assigned Position	Mobile Phone	Work Phone	Organization	Email
Wilson, Darnell	Info Technology Support	312-353-7615		US EPA R5	wilson.darnell@epa.gov
Borseth, Jeff	Logistics Section Chief	734-740-9012		US EPA R5	borseth.jeffrey@epa.gov
Gulch, Jon	Logistics Section Chief	734-740-9017		US EPA R5	gulch.jon@epa.gov
Snyder, Robert	Deputy Logistics Section Chief	312-353-9083		US EPA R5	snyder.robert@epa.gov
Clements, Steven	Deputy Logistics Section Chief	202-717-1552		FEMA Region 5	steven.clements@fema.dhs.gov
Poma, Bill	Info Technology Support	513-659-5875		ERRS-EQM	bpoma@eqm.com

<b>ICS 205a - Communications List</b>		Version Name: Finance & Administration 3/1/23	
Incident Name: East Palestine Train Derailment 02032023		Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]	
<b>Local Communications Information</b>			
<b>Name</b>	<b>Incident Assigned Position</b>	<b>Mobile Phone</b>	<b>Work Phone</b>
Hackley, Rick	Finance Section Chief	312-886-9144	
Krieger, Geoffrey	Deputy Finance Section Chief	312-886-7240	
		<b>Organization</b>	<b>Email</b>
		US EPA R5	hackley.richard@epa.gov
		US EPA R5	krieger.geoffrey@epa.gov

<b>ICS 206 - Medical Plan</b>				Version Name: 02/26/2023 15:22:36				
Incident Name: East Palestine Train Derailment 02032023				Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]				
<b>Medical Aid Stations</b>								
<i>Name</i>	<i>Location</i>	<i>Paramedic On Site</i>	<i>Phone</i>			<i>Radio</i>		
AED & First Kit (UC Command Post)	42083 SR 344 Columbiana, Oh 40.886987, -80.7060647	<input type="checkbox"/>						
<b>Transportation (Ground and/or Air Ambulance Services)</b>								
<i>Ambulance Service</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air</i>	<i>ALS</i>			
Local 911 Services				<input type="checkbox"/>	<input type="checkbox"/>			
<b>Hospitals</b>								
<i>Hospital</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air Travel Time</i>	<i>Ground Travel Time</i>	<i>Trauma Center</i>	<i>Helipad</i>	<i>Burn Center</i>
Ellwood City Medical Center	724 Pershing Street Ellwood City, PA 16117 40.869907, -80.274498	724-752-0081		12 min	35 min	II	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MH St Elizabeth Boardman Hospital	8401 Market Street Boardman, OH 44512 40.995335, -80.662743	330-729-2929		9 min	25 min	II	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Salem Regional Medical Center	1995 East State Street Salem, OH 44460 40.900944, -80.832359	330-332-1551		10 min	30 min	II	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UPMC Mercy	1400 Locust Street Pittsburgh, PA 15219 40.436141, -79.985596	412-232-8111		20 min	1 hr	I	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Special Medical Emergency Procedures</b>								
<p><b>EMERGENCY MEDICAL PROCEDURES</b></p> <p>In the event of a medical emergency provide the following information to the Communications Unit.</p> <ol style="list-style-type: none"> <li>1. Declare the nature of the emergency. <ul style="list-style-type: none"> <li>◦ Medical injury/illness?</li> <li>◦ If injury/illness, is it Life Threatening?</li> </ul> </li> <li>2. If Life Threatening, then request that the designated frequency be cleared for emergency traffic.</li> <li>3. Identify the on-scene Point of Contact (POC) by Resource and Last name.</li> <li>4. Identify nature of incident, number injured, patient assessment(s) and location (geographic and GPS coordinates).</li> <li>5. Identify on-scene medical personnel by position and name.</li> <li>6. Identify preferred method of patient transport.</li> <li>7. Request any additional resources and/or equipment needed.</li> <li>8. Document all information received and transmitted on the radio or phone.</li> <li>9. Identify any changes in the on-scene Point of Contact or medical personnel as they occur.</li> </ol>								
<b>ICS 206 - Medical Plan</b>				Prepared By Chris Sweeney, Updated 03/01/2023 14:17 EST UTC-5 PP				
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/01/2023 23:19 EST UTC-5	31 of 36			© TRG			



**East Palestine Train Derailment**  
 ICS 207 – Organization Chart  
 02 Mar 0700 to 04 Mar 0700  
 Date: 01 Mar 2023

**Community Engagement / JIC Coordination**  
 Mark Durno, EPA 5  
 Saphique Thomas, EPA 5

**Unified Command Group**  
 Ralph Dollhopf, EPA 5  
 Ann Didonato, EPA 3  
 Chief Keith Drabick, Village of East Palestine  
 Peggy Clark, Columbiana Co EMA  
 John Boyle, FEMA  
 Jill Shugart, CDC/ATSDR  
 Anne Vogel, Mike Eberle Ohio EPA  
 Sima Merick, Ohio EMA  
 David Schoendorf, NS

**Cooperating/Assisting Agencies**  
 Dr. Bruce Vanderhoff, Lance Himes, ODH  
 Wesley Vins, Columbiana Co HD  
 Richard Harrison, Sam Dinkins, ORSANCO  
 Brian Moore, Jim Miller, PA DEP  
 Eric Brewer, Kevin Whipple, Beaver Co EMA  
 Randy Padfield, PEMA  
 Sharon Watkins, Julie Miller, PA DOH  
 Walter Remmert, PA DOA  
 Nate Meadows, WV DEP

**Joint Information Center**  
 Allison Lippert, EPA 5  
 See ICS 205a

**Safety Officer**  
 Shanna Horvatin, EPA 5 (v)  
 Scott Skelton, NS

**Data Support Coordinator**  
 Jason Sewell, EPA 5 (v)  
 Ashley Nilsen, EPA 3 (v)

**R5 EOC**  
 Michael Bryant (v)

**Liaison Officer**  
 Mark Koller, EPA 5 (v)  
 Ronna Beckmann, EPA 5 (v)  
 Maureen Cunningham, FEMA 5 (v)

**Scientific Support Coordinator**  
 James Justice, EPA 5

**Operations Section**  
 Andy Maguire, EPA 5  
 Brian Kelly, EPA 5 (Deputy)  
 Joe Williams, NS (Deputy)

See OPS Org Chart

**ICS Support**  
 Chris Sweeney, TRG PSC  
 David Popoff, TRG UC  
 Sean Sullivan, TRG LSC

**Planning Section**  
 Steve Renninger, EPA 5  
 Paul Ruesch, EPA 5 (v) (Deputy)  
 Bryan Naranjo, NS (Deputy)  
 Natalie Dybsky, FEMA 5 (Deputy)

**Finance Section**  
 Rick Hackley, EPA 5 (v)  
 Geoff Krieger, EPA 5 (v) (Deputy)

**Logistics Section**  
 Jeff Borseth, EPA 5  
 Jon Gulch, EPA 5 (v)  
 Serdar Ertep, EPA 4  
 Steve Clements, FEMA 5 (Deputy)

**Situation Unit**  
 Janien Turner, EPA 5  
 Miguel Ramos, FEMA 5

**Resource Unit**  
 Jeff Wawczak, EPA 5 (v)

**Data Management Unit**  
 Lauren Bumba, R5 (v)

**GIS Unit**  
 Eric Holbus, EPA 5 (v)

**Environmental Unit**  
 Michelle Kerr, EPA 5 (v)  
 Larisa Leonova, EPA 5 (v) (Deputy)

**Documentation Unit**  
 Tina Terrell, EPA 4 (v)

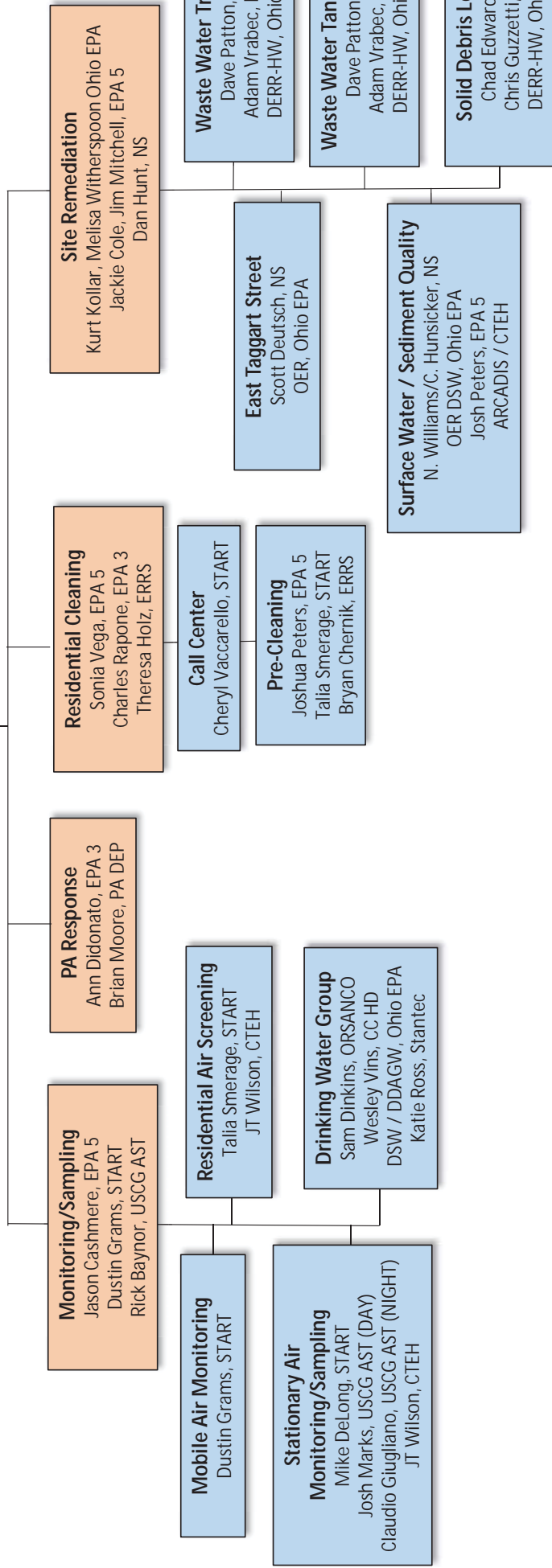
**Facilities**  
 Bill Poma, EOM  
 Rob Snyder, EPA 5

**IT Unit**  
 Darnell Wilson, IT Support

**East Palestine Train Derailment**  
 ICS 207 – Organization Chart  
 02 Mar 0700 to 04 Mar 0700  
 Date: 01 Mar 2023

**Operations Section**  
 Andy Maguire, EPA 5  
 Brian Kelly, EPA 5  
 Joe Williams, NS (Deputy)  
 Darrin Ricketts, FEMA 5

**Public Health Unit**  
 Wesley Vins, Columbiana Co HD  
 Lance Himes, ODH  
 Sharon Watkins, PA DOH  
 Jill Shugart, CDC/ATSDR  
 Keith Fusinski, EPA 5



<b>ICS 223 - Health and Safety Message</b>	Version Name: 02/27/2023 07:12:01		
Incident Name: East Palestine Train Derailment 02032023	Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]		
<b>Major Hazards and Risks</b>			
<b>Narrative</b>			
<ul style="list-style-type: none"> <li>• Report any safety, health, and security concerns to SO, supervisor, OPS chief, and law enforcement if necessary.</li> <li>• Report any exposure related symptoms due to working in/near contaminants as soon as possible to SO or Supervisor. Visit the Public Health Unit clinics to report even mild symptoms (i.e., headaches)</li> <li>• All field workers must attend the daily safety brief/check-in and verify when field work is concluded.</li> <li>• Maintain vigilance and awareness of work area, location in the community, especially within the vicinity of the derailment site (hot zone).</li> <li>• If entering the controlled access zone on foot be sure to decon prior to leaving to reduce contaminated soil/material from being tracked out.</li> <li>• Increased truck traffic should follow site traffic plan.</li> <li>• If on foot, be mindful of vehicles at all times and stay within designated areas.</li> <li>• Follow the HASP and JHAs which detail each task being performed with associated risk analysis.</li> <li>• Use proper PPE for assigned task:</li> <li>• Required- supportive boots/shoes/steel toes, gloves, safety vest/logo gear.</li> <li>• Observe caution when driving especially in early/late hours.</li> <li>• Maintain situational awareness and respect and site safety measures.</li> <li>• Use the 'buddy system' at all times.</li> <li>• Get sufficient rest and take breaks as needed to manage fatigue.</li> <li>• Take proper precaution, safety measures and proper PPE to be donned before using any chemicals/standards.</li> <li>• Use the Covid symptom checker at: <a href="https://www.cdc.gov/screening/">https://www.cdc.gov/screening/</a>. If you have symptoms, it is recommended to isolate (go back to home or hotel room) and test for COVID-19.</li> <li>• <b>Dial 911 for all emergencies.</b></li> </ul>			
<b>ICS 223 - Health and Safety Message</b>		Prepared By Chris Sweeney, Updated 03/01/2023 17:50 EST UTC-5 PP	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/01/2023 23:19 EST UTC-5	34 of 36	© TRG

## ICS 230 - Daily Meeting Schedule

Incident Name: East Palestine Train Derailment 02032023

Period: Period 6 [03/02/2023 07:00 - 03/04/2023 07:00]

<i>Meeting Name &amp; Date/Time</i>	<i>Purpose</i>	<i>Attendees</i>	<i>Location</i>
<b>Operations Briefing - Incident Command Post</b> 02/28/2023 07:30	Present the IAP to the Operations Section oncoming shift supervisors and other Command & General Staff personnel.	Facilitator: Planning Section Chief (PSC), Operations Section Chief, Safety Officer, START	ICP - 40 Market Street, East Palestine
<b>Unified Command Meeting</b> 02/28/2023 08:00	General Discussion	AA/CA, PSC, UC	
<b>Command &amp; General Staff Meeting</b> 02/28/2023 09:30	Provide opportunity for IC/UC to present decisions and management direction to the Command & General Staff members.	Facilitator: Planning Section Chief (PSC), AA/CA, C&G, EOC, UC	
<b>Special Meeting: Environmental (External)</b> 02/28/2023 12:00	INVITATION ONLY		
<b>Tactics Meeting</b> 03/01/2023 11:00	Create tactical operations plan for the next operational period to meet IC/UC objectives.	Facilitator: Planning Section Chief (PSC), Data Specialist, Environmental Unit Leader, GIS Specialist, Logistics Section Chief, Operations Section Chief, Planning Section Chief, Resource Unit Leader, Safety Officer, Situation Unit Leader	
<b>Planning Meeting</b> 03/01/2023 16:00	Describe strategies and tactical plan to achieve IC/UC's direction, priorities and objectives for the next operational period.	Facilitator: Planning Section Chief (PSC), AA/CA, EOC, Finance Section Chief, Liaison Officer, Logistics Section Chief, Operations Section Chief, Planning Section Chief, Public Information Officer, Resource Unit Leader, Safety Officer, Situation Unit Leader, UC	

## ICS 230 - Daily Meeting Schedule

Printed 03/01/2023 23:19 EST UTC-5

35 of 36

Prepared By Chris Sweeney, Updated 02/27/2023 07:45 EST UTC-5 PP

© TRG

<b>1. Incident Name:</b>		<b>2. Operational Period: (Date / Time)</b>		<b>DAILY MEETING/ CONFERENCE CALL SCHEDULE ICS 230 - EPA</b>
EP Derailment 02032023		From: 03/02/2023 0700 To: 03/04/2023 0700		
<b>3. Meeting Schedule</b>				
Date/Time	Meeting Name	Purpose	Attendees	Location
Daily 0730 EST	Operations Briefing	Present Operations Plan (IAP) to supervisors of tactical resources	OPS/SO/START	40 S. Market Street, East Palestine
Daily 0800 EST	Unified Command (UC) Meeting	General Discussion	UC, PSC	<a href="#">Click here to join the meeting</a>  ID: 293 441 862 009 Passcode: G2YHeh  <a href="#">+1 312-667-5632,,805485837#</a>
Daily 0930 EST	Command & General Staff (C&GS) Meeting	Coordinate command staff functions, responsibilities, and objectives	UC/C&GS/EOC/AA/CA	<a href="#">Click here to join the meeting</a>  ID: 244 088 694 235 Passcode: kaH2LE  <a href="#">+1 312-667-5632,,568321578#</a>
M-W-F 1100 EST	Tactics Meeting	Operations develops primary & alternative strategies to accomplish objectives for next OP	OPS/PSC/SO/RESL/SITL/LSC/ENVL/DATA/GIS	<a href="#">Click here to join the meeting</a>  ID: 298 055 466 092 Passcode: DxyNtj  <a href="#">+1 312-667-5632,,380038221#</a>
M-W-F 1600 EST	Planning Meeting	Present proposed objectives, strategies, tactics & resources need for next OP; discuss & resolve issues/concerns; commit to support plan	UC/PSC/SO/PIO/LNO/OPS/LSC/FSC/SITL/EOC/AA/CA	<a href="#">Click here to join the meeting</a>  ID: 253 882 048 555 Passcode: ni6F2n  <a href="#">+1 312-667-5632,,801918252#</a>
<b>4. Special and Other Meetings:</b>				
Daily 1200 EST	Environmental Meeting (External)			
Daily 1600 EST	Joint Press Conference			FEMA YouTube Livestream
<b>5. Prepared by: (PSC)</b>				<b>(Date / Time)</b>
Name: P. Ruesch, EPA 5		Signature: PR		03/01/2023 1500
<b>DAILY MEETING SCHEDULE</b>				<b>ICS 230 - EPA (Rev 02/10)</b>