State of Oregon
Department of Environmental Quality Memorandum

Date: August 23, 2024

To: **Randy Nattis, EPA Region 10 On-Scene Coordinator**

From: **Nancy Sawka, R.G. Western Region Environmental Cleanup Program**

Nancy SAWKA
Signature

Through: **Brad Shultz, Manager, DEQ Western Region Environmental Cleanup Program**

Brad Shultz
Manager Signature

Subject: **Request for EPA Removal Support – Northwest Gazebos, Yamhill County, ECSI #6553**

Oregon DEQ requests support from the EPAs Removal Program for assessing and cleaning up hazardous substances at the Northwest Gazebo site (site), identified as Tax Lot 200 of Map R5633AA, Account 219383 in Yamhill County records. The site does not have a situs address but is associated with the adjacent Tax Lot 100 at 22000 SW Rock Creek Road, Sheridan, Oregon 97387, which is the location of the business operations for the former Northwest Gazebo and Garden Products. The site (Tax Lot 200) houses an industrial boiler manufactured in 1979 with four adjacent furnaces. The owner burned used oil in the boiler to heat the furnaces which were used to dry wood and a variety of other materials for the Northwest Gazebo and Garden Products operations. ODEQ is only requesting removal assistance for hazardous substances on Tax Lot 200.

The former owner of the site and the Northwest Gazebo business, George Gebrayel (aka George Gabriel, Squire Holdings LLC), was indicted in March 2024 and is now serving a prison sentence. Property deeds for both Tax Lots 100 and 200 were transferred to Marie Wadih the

same month. The site has leaking chemical containers, drums and above ground storage tanks (ASTs). It is located in an environmentally sensitive area with single family homes, a Head Start preschool and a senior living center within 0.20 miles downgradient to the south and southeast. An adjacent ditch that collects runoff from the site discharges into the nearby South Yamhill River about 950 feet to the south. The City of Sheridan operates a drinking water intake on the river approximately 2 miles downstream of the site. The former Taylor Lumber Superfund site, now owned and operated by Stella Jones Co., is west of the site across SW Rock Creek Rd. The former Taylor Lumber site and current operations at Stella Jones facility both have significant public attention.

Regulatory Background

In April 2023, DEQ's Hazardous Waste program inspected the property following a complaint about storage of barrels and containers. DEQ found multiple uncontained leaking drums, small ASTs, and containers near the boiler with visible oil spills and soil staining. A large AST in concrete containment was also present. According to the owner, the drums contain used oil discarded by local businesses and the community, which he used to fuel the boiler. The oil was poured into the large AST which is connected to the boiler unit. The contents and origin of the drums, ASTs and other containers are not confirmed or documented by the owner. Anecdotal information from former staff suggest that some of the drums were brought from the Taylor Lumber site.

DEQ returned to the site on June 14, 2023 to collect surface soil samples to characterize the spilled oil in the stained area. Elevated levels of chromium (up to 1810 ppm), lead (up to 111 ppm) and dioxins (up to 690 ppt) were detected. Dioxin concentrations exceed DEQ's risk-based concentrations for residential, occupational and construction worker exposure to soil of 4.7 ppt, 16 ppt and 170 ppt, respectively. Chromium and lead are above the DEQ's background metals concentrations for the area of 240 ppm and 34 ppm, respectively, and exceed 20 times the regulatory Toxicity Characteristic Leaching Procedure (TCLP) limits. DEQ did not characterize the contents of the drums, ASTs or containers. The highest dioxin result of 690 ppt was from a soil sample collected adjacent to the boiler.

A detailed inspection report with photos is attached. DEQ Hazardous Waste staff concluded that multiple violations of hazardous waste and used oil rules were occurring on the site. The violations include:

- failure to clean up spills,
- failure to label containers and maintain secondary containment,
- failure to close or cover containers,
- failure to keep appropriate records, and
- burning off-spec used oil in a prohibited device.

Following sampling results confirming a release to the environment, the site was added to DEQ's Environmental Cleanup Site Information (ECSI #6553) for further investigation. Evidence of multiple releases to the environment have been documented by DEQ's Hazardous Waste and Cleanup programs. The depth of contamination, potential groundwater contamination, possible historic airfall deposition of contaminants off site from boiler and furnace operations, and the potential for continued releases of wastes from mismanaged containers, are all potential significant threats to the environment. Additional assessment information is needed to assess the extent and magnitude of these releases and control of the existing containers of wastes is needed to eliminate the threat of future releases.

Recommendations

DEQ has determined that this site is a high priority for timely removal due to the sensitive receptors and ongoing release of contaminants to the environment. We would appreciate EPA's assistance by completing a Removal Site Evaluation to determine if the site is eligible for action under EPA's Removal Program. DEQ anticipates that the action would include characterization and removal of the contents in the containers, drums and ASTs and possibly characterization and removal of stained and contaminated soil.


Stella Jones /
Former Taylor Lumber
22000 SW
Rock Creek Rd
Monroe Oak, Inc
Site
Residences
Rock Creek Rd
NW Pacific Pl
River Park Senior Living
Northwest Self Storage
Head Start of
Yamhill County
18
South Yamhill River
N
Layers
Google

Figure 1: Main Area of Concern
Oil drums/tanks and oil spills indicated in red (See **Attachment 2** for an aerial view of the entire property)

INSPECTION OBSERVATIONS:

Pre-Inspection Meeting:

On April 21, 2023, a DEQ Cleanup Project Technician, and hazardous waste compliance inspector, Aubree Minten, conducted an unannounced inspection of 22000 Rock Creek Rd, Sheridan, OR 97378 in response to information provided to DEQ regarding the storage of a large number of drums. Upon arrival, Inspector Minten went upstairs to the office and knocked on the door. George Gebrayel, the property owner, answered the door, and inspector Minten introduced herself and let Mr. Gebrayel know that a DEQ employee from Cleanup, was accompanying her and was waiting downstairs. Inspector Minten stated that DEQ was there in response to a complaint alleging the storage of barrels and containers accumulating on the property and let Mr. Gebrayel know that DEQ had looked on Google Earth and based on a review of historical aerial imagery for the property, it appears the majority of the containers appeared on site between 2012 and 2014, which coincides with the most recent property transaction for the wood treatment facility adjacent to the west of the property. Based on this information, DEQ was concerned that the container contents could be associated with historical wood treatment operations. Inspector Minten asked if she could take a look at the area where the containers were being stored. Mr. Gebrayel indicated that the containers were being used to store used oil, nothing else. Mr. Gebrayel stated that although DEQ should have no reason to see the containers that were on his property, he could show DEQ where they were located.

Facility Inspection:

Outside Used Oil Storage Area Near the AST

Mr. Gebrayel escorted both DEQ representatives to the area indicated in Figure 1 above. There DEQ representatives saw an Above Ground Storage Tank (AST), that Mr. Gebrayel said held used oil, and a large side building of multiple rooms. The side building room nearest the AST housed an old boiler, manufactured in 1979. Attached to the boiler room were 4 other rooms that housed four furnaces (**Photos 1 & 2**). Mr. Gebrayel explained that the used oil was being burned in the boiler to heat the furnaces.

Walking past the AST, DEQ representatives observed containers without secondary containment or labels, multiple containers in poor condition without lids, as well as containers being overgrown by blackberry bushes. (**Photos 3-4 & 10-14**). As DEQ continued to inspect the containers, one large oil spill was noted on the ground (**Photo 5**), and four other areas on the ground also had visible oil spills (**Photos 6-9**). DEQ then inspected the outside containment of the AST and found what appeared to be oil splatter coating the ground and on containers that are being stored under the stairs that lead into the secondary containment of the AST (**Photo 14**).

DEQ asked Mr. Gebrayel if he knew that there was oil spilling onto the ground, and he indicated that he had been unaware that any oil had leaked out of its containers. DEQ then asked Mr. Gebrayel whom he was receiving used oil

from, and Mr. Gebrayel indicated that he would accept used oil from the public as well as businesses. DEQ asked how the process worked and Mr. Gebrayel stated that people who had used oil to get rid of would just drop it off on the property. Mr. Gebrayel stated that he could burn any kind of oil including fryer oil in his boiler, therefore he would accept any oil people wanted to get rid of. DEQ then asked Mr. Gebrayel if he was keeping records on who was dropping off oil and how much was being dropped off, if there was an inventory of the used oil that was kept on-site, or if any testing was being done on the used oil prior to burning it. Mr. Gebrayel indicated he did not document who or where the oil was coming from, test the oil, or do an inventory of the oil that he kept on site. DEQ tried to explain to Mr. Gebrayel that there were used oil rules and regulations that are required to be followed, but that statement angered Mr. Gebrayel and he became confrontational, so DEQ did not try to further explain the rules and regulations, however, DEQ did communicate to him that there were used oil violations present on the property and that a Pre-Enforcement Notice (PEN) would be resulting from the violations.

Due to the poor conditions present in the outside used oil storage area, Inspector Minten told Mr. Gebrayel that she would like to inspect the entire property. This further aggravated Mr. Gebrayel, but he consented to the expanded inspection.

Outside Areas of the Property

Mr. Gebrayel allowed inspector Minten to walk the outside areas of the property with him and take photos of the site (**Photos 15-30**). During this portion of the inspection, one of Mr. Gebrayel's employees named Chris (last name unknown) accompanied DEQ and Mr. Gebrayel for part of the time. Chris was also very aggravated and angry that DEQ was on site, so Inspector Minten kept communication to a minimum trying not to escalate the situation. At the end of the inspection, Inspector Minten thanked Mr. Gebrayel for his time and let him know that she would be in contact.

FOLLOW-UP SAMPLING INSPECTION ON MAY, 18, 2023:

Pre-Inspection Meeting:

Hazardous waste inspectors Minten and Killian Condon arrived at the property located at 22000 Rock Creek Rd, Sheridan, OR 97378 for an unannounced follow-up inspection, specifically to sample the oil-impacted soils. When inspector Condon and inspector Minten arrived on site, they knocked on the door to the front office, and Mr. Gebrayel answered. Inspector Condon introduced himself and reintroduced inspector Minten and explained that the intent of the inspection was to take soil samples where oil had spilled onto the ground in order to determine if the container contents could be associated with historical wood treatment operations.

Mr. Gebrayel then became very aggravated and asked that we go and get a warrant if we wanted to be on his private property. Inspector Condon explained to Mr. Gebrayel that it was his right to ask us to go and get a warrant and that we could but wanted to communicate that ORS 466.195 gave DEQ the authority to be there and that failure to provide access could be a violation that would merit a penalty assessment. Mr. Gebrayel asked to speak with his attorney and inspector Condon told him that we would wait outside.

Mr. Gebrayel came back with a printout of ORS 466.195 and was very aggravated and confrontational accusing inspector Condon of lying. Mr. Gebrayel stated that because the statute had the word "may" and not shall, that he was not legally required to comply. Inspector Condon communicated to Mr. Gebrayel that he had no intention of lying and that if the information he provided was not consistent with the rules/statutes, it was not intentional. Inspector Condon offered to call DEQ's Office of Compliance and Enforcement, OCE, in order to clarify the situation, which Mr. Gebrayel agreed to. As a result, Inspector Condon called Kieran O'Donnell, OCE Manager, and provided an overview of the situation in the presence of Mr. Gebrayel and inspector Minten. Mr. O'Donnell indicated that the language in the statutes was unclear; however, the right to deny access was unlikely to result in a violation since access denial did not constitute a permit violation given the absence of a permit. Mr. O'Donnell further indicated that l ORS 466.195 provided DEQ the authority to be on the property to sample the soil, but that it was his right to ask us for a warrant if

he wished to do so, and that we would be back to sample the soil with a warrant. Inspector Condon apologized to Mr. Gebrayel for his misunderstanding of the process and indicated that the sampling would at minimum take 20-30 minutes and after some deliberation, Mr. Gebrayel provided consent to collect soil samples.

Facility Sampling:

Once present in the area of concern (see Figure 1) Inspector Condon and inspector Minten collected soil samples as quickly as possible. As DEQ concluded sampling activities, Mr. Gebrayel asked the inspectors if they wanted to see his boiler. Both inspectors indicated that they would, and Mr. Gebrayel led them into the building that housed the boiler (**Photo 2**). Mr. Gebrayel explained that initially he would only burn used oil to run his boiler but that some years back he modified it so that he could run the boiler off of natural gas or oil, whichever one he wanted to use. Mr. Gebrayel indicated that he preferred to burn oil as it produced more BTUs, and was cheaper than gas, and explained that the boiler sent steam to the four furnaces used for drying materials. Inspector Condon asked Mr. Gebrayel what types of materials he would dry, and Mr. Gebrayel explained that he could dry anything. Mr. Gebrayel showed the inspectors a bin of hemp that he had recently dried and explained that he could dry yams, firewood, or anything someone wanted to be dried. The inspectors thanked Mr. Gebrayel for his time and let him know that he would be hearing from the DEQ as soon as the sample results had been received and left the property.

RESULTS FROM SOIL SAMPLING:

On June 14, 2023, DEQ received sample results for metals, Volatile Organic Compounds, VOCs, and Semivolatile Organic Compounds, SVOCs from PACE Analytical (**Attachment 4**). See the table summary of the results below, which includes detectible results for analytes that are on the toxicity characteristic table. The results that are at or above the regulatory limit are highlighted in yellow.

Metals	Regulatory Limit (mg/L)	SS-1 (mg/kg)	SS-2 (mg/kg)	SS-3 (mg/kg)	SS-4 (mg/kg)	SS-5 (mg/kg)
Arsenic	5	1.64	Not Tested	4.59	3.30	1.53
Barium	100	52.8		285	56.0	44.8
Cadmium	1	0.124		0.245	2.45	0.129
Chromium	5	125		1810	289	266
Lead	5	5.28		16.6	111	5.63
Selenium	1	0.358		0.858	0.262	0.394
Silver	5	ND		0.166	0.292	ND
VOCs						
Benzene	0.5	ND	0.00199	0.000519	0.00566	ND
1,2-Dichloroethane	0.5	ND	ND	ND	0.0022	ND

On June 28, 2023, DEQ received sample results for dioxins (**Attachment 4**). See the table summary of the results below:

Dioxins Results			
SS-1 (ng/Kg)	SS-2 (ng/Kg)	SS-4 (ng/Kg)	SS-5 (ng/Kg)
21	51	690	30

The Toxicity Characteristic Leaching Procedure, TCLP, results indicate that the oil that had spilled onto the soil was unlikely connected to wood treatment chemicals. However, the soil sample results were high in chromium, and one sample area was high in lead. Hazardous waste determinations need to be conducted on the contaminated soils, as the lead and chromium results exceeded 20 times the regulatory TCLP limits. Each container of used oil will also need a hazardous waste determination conducted so that all waste streams on the property can be properly disposed of.

The dioxin results indicated elevated levels of dioxins present in the soil during the minimal sampling that was conducted on May 18, 2023. The highest result, 690 ng/Kg, was from a sample that was taken adjacent to the boiler.

ADDITIONAL CONCERNS:

1. DEQ believes the property located at, 22000 Rock Creek Rd, Sheridan, OR 97378, is in violation of DEQs Air Quality rules and regulations and the property has been referred to DEQs air quality program.

2. DEQ believes the property located at, 22000 Rock Creek Rd, Sheridan, OR 97378, is in violation of DEQ's Solid Waste rules and regulations and the property has been referred to DEQ's solid waste program.

3. While researching the property located at (22000 Rock Creek Rd, Sheridan, OR 97378) DEQ found three businesses associated with the property. All three businesses named George Gebrayel as the registered agent and have all been administratively dissolved.

   - The property located at 22000 Rock Creek Rd became a business called Northwest Gazebos & Garden Products, Inc. in 2002 and was administratively dissolved in 2008 (Attachment 3).
   - The piece of property that the boiler and furnaces were built on was purchased under the company name of Squire Holdings, LLC in 2002 (Attachment 7) and that company was administratively dissolved in 2014 (Attachment 5).
   - The company that pays for the annual pressure vessel permit for the boiler is a company called Custom Dry Kilns and Sawmill. The company was established in 2004 and was administratively dissolved in 2011 (Attachment 6).

CONCLUSIONS:

During the April 21, 2023 inspection DEQ observed nine violations of the hazardous waste and used oil regulations, and they are outlined below.

Summary of Violations Observed

1. Failing to immediately clean up spills or releases of used oil, by any person having ownership or control over the used oil. Specifically, the property had multiple used oil releases.
   a. **Violation Citation**: ORS 466.645
   b. **Classification of Violation**: Class I Violation according to OAR 340-012-0072(1)(k)
   c. **Evidence**:
      i. See the Facility Inspection section of the report titled “Outside used oil storage area near the AST”.
      ii. Under the Oregon DEQ Inspection Photographs section of the report see photos 5, 6, 7, 8 & 9.

2. Failing to maintain required secondary containment for containers used to store used oil at burner facilities. Specifically, all used oil containers on the property, except for the above-ground storage tank, were not being stored in secondary containment.
   a. **Violation Citation**: 40 CFR 279.64(c)(2)

b. **Classification of Violation**: Class I Violation according to OAR 340-012- 0072(1)(j)
c. **Evidence**:
    i. See the Facility Inspection section of the report titled "Outside used oil storage area near the AST".
    ii. Under the Oregon DEQ Inspection Photographs section of the report see photos 3, 4, 5, 6, 7, 8, 10, 11, 12, & 13.

3. Burning off-specification used oil in a prohibited device. Specifically, the boiler that is burning off-specification used oil on the property is a prohibited device.
    a. **Violation Citation**: 40 CFR 279.61(a)(1)
    b. **Classification of Violation**: Class I Violation according to OAR 340-012- 0072(1)(e)
    c. **Evidence:**
        i. See the Facility Inspection section of the report titled "Outside used oil storage area near the AST".
        ii. Under the Oregon DEQ Inspection Photographs section of the report see photo 31.

4. Failing to close or cover a used oil tank or container. Specifically, there are multiple containers of used oil on the property that are not under cover and do not have lids.
    a. **Violation Citation**: OAR 340-111-0032(2)
    b. **Classification of Violation**: Class II Violation according to OAR 340-012- 0072(2)(c)
    c. **Evidence**:
        i. See the Facility Inspection section of the report titled "Outside used oil storage area near the AST".
        ii. Under the Oregon DEQ Inspection Photographs section of the report see photos 3, 4, 5, 6, 7, 8, 10, 11, 12, & 13.

5. Failing to label each container or tank used for the accumulation or storage of used oil on site with the words "Used Oil". Specifically, no containers that were being used to store used oil on the property had the words "Used Oil" on them.
    a. **Violation Citation**: 40 CFR 279.64(f)(1)
    b. **Classification of Violation**: Class II Violation according to OAR 340-012- 0072(2)(e)
    c. **Evidence**:
        i. See the Facility Inspection section of the report titled "Outside used oil storage area near the AST".
        ii. Under the Oregon DEQ Inspection Photographs section of the report see photos 1, 3, 4, 5, 6, 7, 8, 10, 11, 12, & 13.

6. Failing to keep a record of each used oil shipment accepted for burning. Specifically, there are no records of acceptance that George Gebrayel kept on file for the used oil shipments received on the property for the purposes of burning in the boiler.
    a. **Violation Citation**: 40 CFR 279.65(a)
    b. **Classification of Violation**: Class II Violation according to OAR 340-012-0053(2)
    c. **Evidence**:
        i. See the Facility Inspection section of the report titled "Outside used oil storage area near the AST".

7. Failing to obtain an EPA ID number for burning used oil. Specifically, George Gebrayel, a used oil burner, did not notify DEQ of the used oil activity on the property by submitting a completed notification of used oil activity to the department to receive the required EPA/DEQ identification number to allow the burning of used oil on the property.
    a. **Violation Citation**: OAR 340-111-0040 and 40 CFR 279.62(a)
    b. **Classification of Violation**: Class II Violation according to 340-012-0072(2)(h)
    c. **Evidence**:
        i. DEQ has no record of the property located at 22000 Rock Creek Rd, Sheridan, OR 97378 registering as a used oil burner and/or obtaining an ID number for burning used oil.

8. Failing to register as a used oil collection center. Specifically, George Gebrayel, who accepted, aggregated, and stored used oil on the property, collected from used oil generators, did not notify DEQ of the used oil activity on the property by submitting a completed notification of used oil activity to the department to receive the required EPA/DEQ identification number to allow the acceptance, aggregation and storage of used oil on the property.
    a. **Violation Citation**: 40 CFR 279.31(b)(2)
    b. **Classification of Violation**: Class II Violation according to OAR 340-012-0053(2)
    c. **Evidence**:
        i. DEQ has no record of the property located at 22000 Rock Creek Rd, Sheridan, OR 97378 registering as a used oil collection center.

9. Failing to store used oil in containers that are in good condition (with good condition defined by: containers have no severe rusting, apparent structural defects, or deterioration, and no visible leaks)
    a. **Violation Citation**: 40 CFR 279.64(b)(1)
    b. **Classification of Violation**: Class II Violation according to OAR 340-012-0053(2)
    c. **Evidence**:
        i. See the Facility Inspection section of the report titled “Outside used oil storage area near the AST”.
        ii. Under the Oregon DEQ Inspection Photographs section of the report see photos 3, 4, 5, 6, 7, 8, 10, 11, 12, & 13.

ATTACHMENTS:

1) DEQ Inspection Photolog
2) Aerial View of Property
3) Northwest Gazebos & Garden Products, Inc. - Secretary of State Business Registry
4) Analytical Results
5) Squire Holdings, L.L.C. - Secretary of State Business Registry
6) Custom Dry Kilns and Sawmill - Sectary of state Business Registry
7) Acct# 219383 Ownership Transfer

Attachment 1

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE INSPECTION PHOTOLOG

22000 Rock Creek Rd, Sheridan, OR 97378
Inspection Date – April 21, 2023, & May 18, 2023

Photo 1: Outside, Above Ground Storage Tank (AST): Containers of used oil are pumped into this AST which is hard plumbed to the Industrial Boiler.
Photo taken: April 21, 2023

Photo 2: Building adjacent to the AST: The boiler (which can burn oil and natural gas) and four furnaces are housed in this building of five rooms.
Photo taken: April 21, 2023

Photo 3: Outside used oil storage area near the AST: Containers without secondary containment, labels, and multiple containers without lids. The containers were observed to contain contents.
Photo taken: April 21, 2023

Photo 4: Outside used oil storage area near the AST: Close-up of containers without secondary containment, labels, and multiple containers in poor condition without lids. The containers were observed to contain contents.
Photo taken: April 21, 2023

Photo 5: Outside used oil storage area near the AST: Close-up of containers without secondary containment, labels, and used oil leaking onto the ground. This is the largest spill area. The containers were observed to contain contents.
Photo taken: April 21, 2023

Photo 6: Outside used oil storage area near the AST: Close-up of a container without secondary containment, a label, and used oil leaking onto the ground area highlighted in red.
Photo taken: April 21, 2023

Photo 7: Outside used oil storage area near the AST: Close-up of a container without secondary containment, a label, and used oil leaking onto the ground in the area highlighted in red.
Photo taken: April 21, 2023

Photo 8: Outside used oil storage area near the AST: Close-up of a container without secondary containment, a label, and used oil leaking onto the ground in the area highlighted in red.
Photo taken: April 21, 2023

Photo 9: Outside used oil storage area near the AST: Close-up of an area where used oil has leaked onto the ground in the area highlighted in red.
Photo taken: April 21, 2023

Photo 10: Outside used oil storage area near the AST (*The outbuilding in the background contains the boiler and furnaces*): Containers without secondary containment, labels, and multiple containers in poor condition. The containers were observed to contain contents.
Photo taken: April 21, 2023

Photo 11: Outside used oil storage area near the AST: Containers without secondary containment, labels, and multiple containers in poor condition. The containers were observed to contain contents.
Photo taken: April 21, 2023

Photo 12: Outside used oil storage area near the AST: Containers being overgrown by blackberry bushes without secondary containment, labels, and multiple containers in poor condition.
Photo taken: April 21, 2023

Photo 13: Outside used oil storage area near the AST: Containers in poor condition, without secondary containment, and labels. The containers were observed to contain contents.
Photo taken: April 21, 2023

Photo 14: Outside under the steps that lead to the AST secondary containment: Containers in poor condition with what appears to be oil splatter coating them and the ground.
Photo taken: April 21, 2023

Photo 15: Outside the front of the office building: Astro Turf being stored outside in the elements with sand material coating the entire front parking lot.
Photo taken: April 21, 2023

Photo 16: Outside the front of the office building: Pile of sand material spreading around the front parking lot.
Photo taken: April 21, 2023

Photo 17: North road of facility: Sand material spreading around and what appears to be waste tires and other waste materials.
Photo taken: April 21, 2023

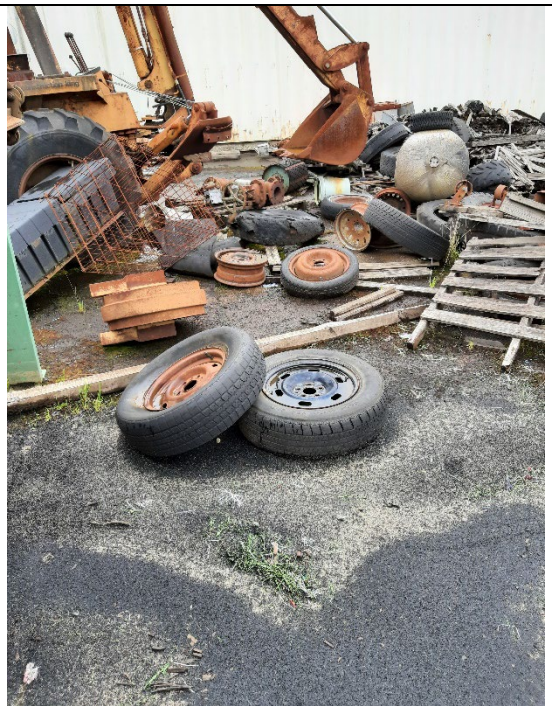


Photo 18: North road of facility: Sand material spreading around and what appears to be waste tires and other waste materials.
Photo taken: April 21, 2023

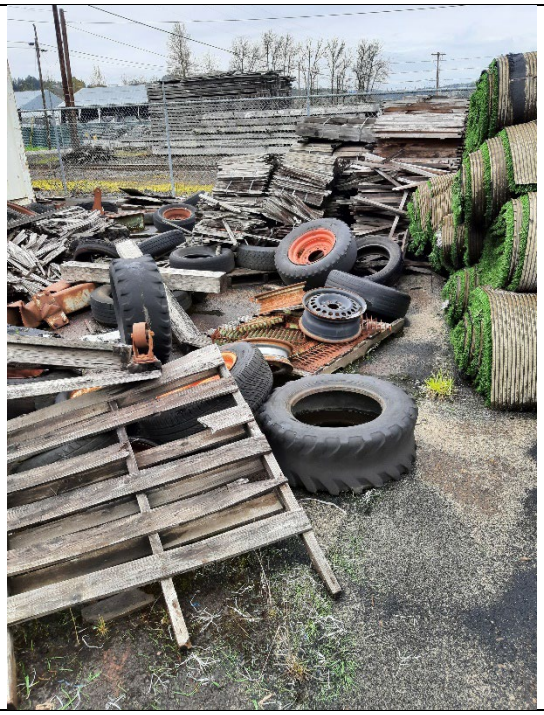


Photo 19: North road of facility: What appears to be waste tires and other waste materials.
Photo taken: April 21, 2023

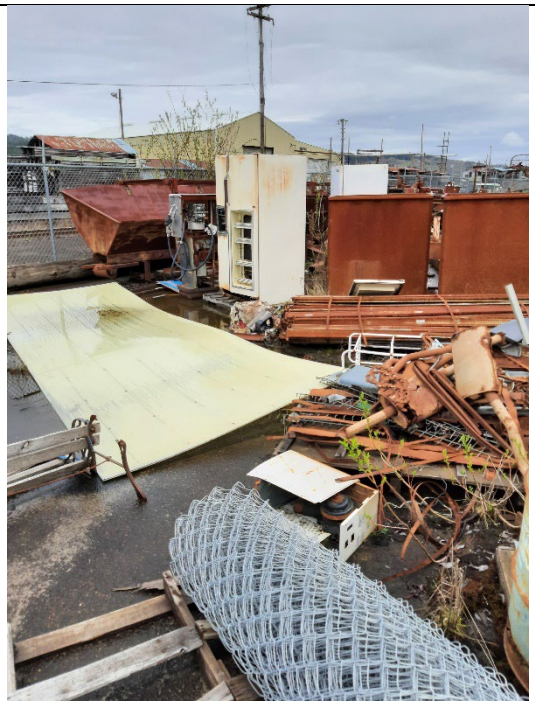


Photo 20: North road of facility: What appears to be waste materials.
Photo taken: April 21, 2023

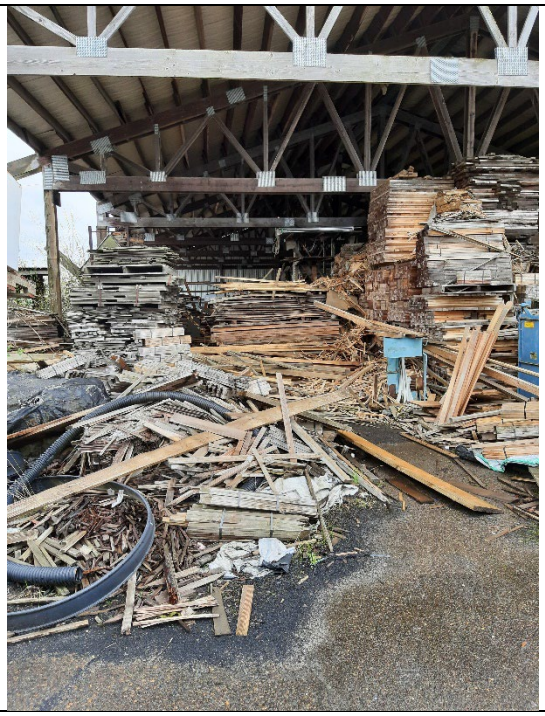


Photo 21: North road of facility: What appears to be waste materials beings stored under cover.
Photo taken: April 21, 2023

Photo 22: North road of facility: What appears to be waste materials beings stored on the side of the road.
Photo taken: April 21, 2023

Photo 23: North road of facility: Multiple chemical containers being stored outside without secondary containment. The containers were observed to contain contents.
Photo taken: April 21, 2023

Photo 24: North road of facility: Multiple chemical containers being stored outside without secondary containment. The containers were observed to contain contents.
Photo taken: April 21, 2023

Photo 25: North road of facility: Waste materials being stored in the field of the property.
Photo taken: April 21, 2023

Photo 26: North road of facility: Multiple waste piles are being stored in the field of the property.
Photo taken: April 21, 2023

Photo 27: North road of the facility at the back: What appears to be a waste pile is being stored on the property.
Photo taken: April 21, 2023

Photo 28: Mid portion of the property: A log pile with some waste-like materials mixed in.
Photo taken: April 21, 2023

Photo 29: Mid to Southern portion of the property: What appears to be a waste pile.
Photo taken: April 21, 2023

Photo 30: Mid to Southern portion of the property: Another view of the waste pile in photo 26.
Photo taken: April 21, 2023

Photo 31: Industrial boiler room: Face plate of the industrial boiler.
Photo taken: May 18, 2023

Attachment 2

2200 Rock Creek Rd Sherdian OR, 97378

Aerial View

Attachment 3

Business Registry Business Name Search

New Search

Business Entity Data

05-22-2023
13:03

Registry Nbr	Entity Type	Entity Status	Jurisdiction	Registry Date	Next Renewal Date	Renewal Due?
063854-96	DBC	INA	OREGON	02-07-2002		
Entity Name	NORTHWEST GAZEBOS & GARDEN PRODUCTS, INC.					
Foreign Name						

New Search

Associated Names

Type	PPB	PRINCIPAL PLACE OF BUSINESS			
Addr 1	22000 ROCK CREEK RD				
Addr 2					
CSZ	SHERIDAN	OR	97378	**Country**	UNITED STATES OF AMERICA

Please click here for general information about registered agents and service of process.

Type	AGT	REGISTERED AGENT		**Start Date**	02-07-2002	**Resign Date**	
Name	GEORGE		GABRIAL				
Addr 1	22000 ROCK CREEK RD						
Addr 2							
CSZ	SHERIDAN	OR	97378	**Country**	UNITED STATES OF AMERICA		

Type	MAL	MAILING ADDRESS			
Addr 1	PO BOX 92				
Addr 2					
CSZ	SHERIDAN	OR	97378	**Country**	UNITED STATES OF AMERICA

Type	PRE	PRESIDENT		**Resign Date**	
Name	MICHELINE		MARIAMO		
Addr 1	3761 RUE JULIE				
Addr 2	LAVAL				
CSZ	FABREVILLE	QC	H79 5P6	**Country**	CANADA

Type	SEC	SECRETARY		**Resign Date**	
Name	GEORGE		GABRIEL		
Addr 1	PO BOX 92				
Addr 2					
CSZ	SHERIDAN	OR	97378	**Country**	UNITED STATES OF AMERICA

New Search

Name History

ANALYTICAL REPORT

June 14, 2023

Attachment 4

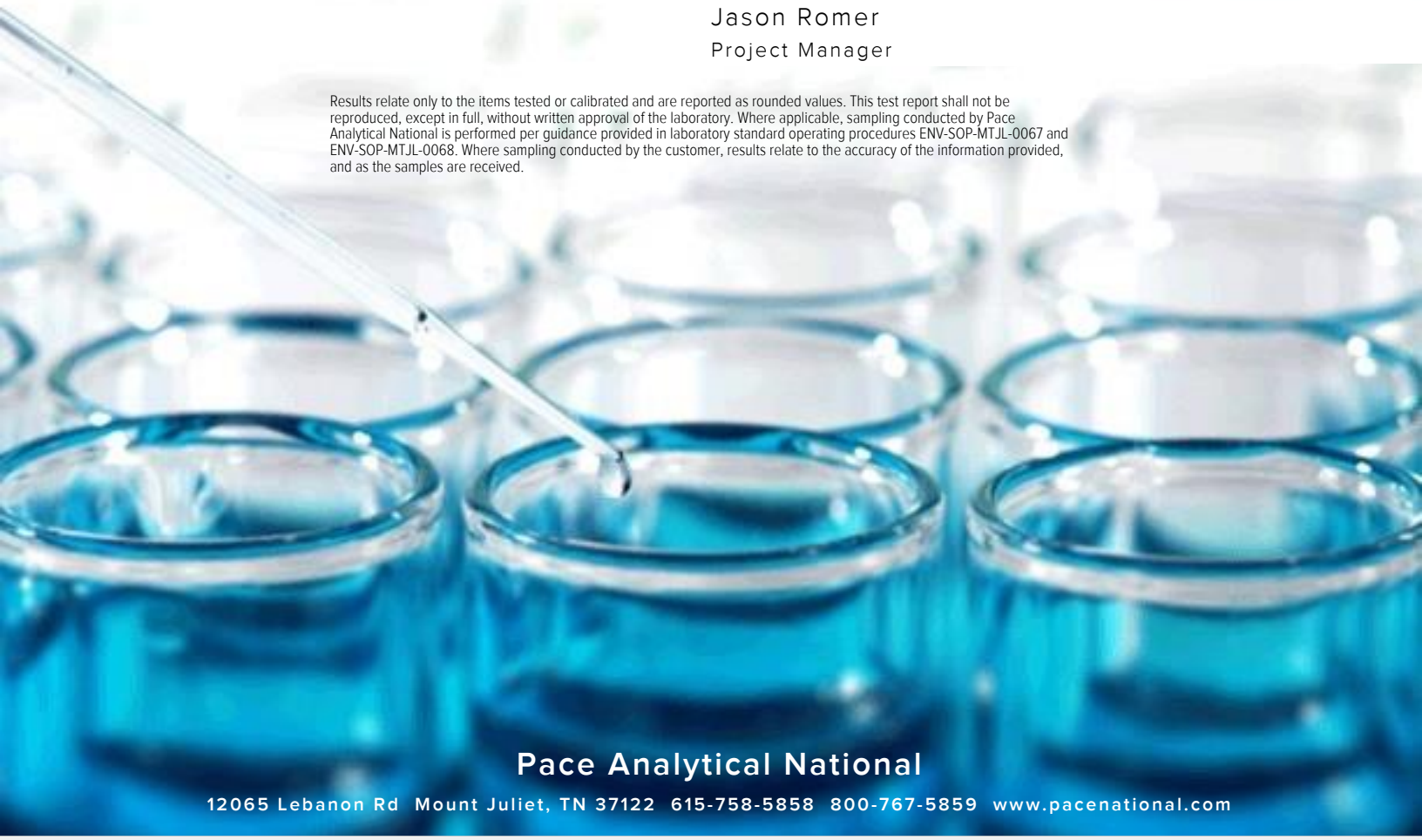
Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group:	L1618622
Samples Received:	05/20/2023
Project Number:	NW GAZEBO
Description:	NW Gazebo
Report To:	Killian Condon

Entire Report Reviewed By:

Jason Romer
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SS-1 L1618622-01 Solid

Collected by: KC/AM | Collected date/time: 05/18/23 14:54 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2064805	1	05/23/23 07:51	05/23/23 07:58	JAV	Mt. Juliet, TN
Mercury by Method 7471B	WG2065317	1	06/12/23 22:53	06/13/23 21:46	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2065195	5	05/23/23 15:19	05/23/23 18:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067552	1.23	05/18/23 14:54	05/27/23 08:20	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2066955	40	05/26/23 08:03	05/31/23 01:21	AGW	Mt. Juliet, TN

SS-2 L1618622-02 Solid

Collected by: KC/AM | Collected date/time: 05/18/23 15:00 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2064806	1	05/23/23 11:21	05/23/23 11:27	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067552	1.01	05/18/23 15:00	05/27/23 08:39	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2066955	200	05/26/23 08:03	05/26/23 20:29	AMG	Mt. Juliet, TN

SS-3 L1618622-03 Solid

Collected by: KC/AM | Collected date/time: 05/18/23 15:10 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2064806	1	05/23/23 11:21	05/23/23 11:27	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2065317	1	06/12/23 22:53	06/13/23 21:48	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2065195	10	05/23/23 15:19	05/23/23 19:20	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2065195	5	05/23/23 15:19	05/23/23 18:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067552	1	05/18/23 15:10	05/27/23 08:58	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2066955	50	05/26/23 08:03	05/31/23 00:40	AGW	Mt. Juliet, TN

SS-4 L1618622-04 Solid

Collected by: KC/AM | Collected date/time: 05/18/23 15:20 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2064806	1	05/23/23 11:21	05/23/23 11:27	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2065317	1	06/12/23 22:53	06/13/23 21:51	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2065195	10	05/23/23 15:19	05/23/23 19:23	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2065195	5	05/23/23 15:19	05/23/23 18:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067552	2.67	05/18/23 15:20	05/27/23 09:17	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2066955	10	05/26/23 08:03	05/31/23 01:01	AGW	Mt. Juliet, TN

SS-5 L1618622-05 Solid

Collected by: KC/AM | Collected date/time: 05/18/23 15:25 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2064806	1	05/23/23 11:21	05/23/23 11:27	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2065317	1	06/12/23 22:53	06/13/23 21:58	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2065195	5	05/23/23 15:19	05/23/23 18:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067552	1.03	05/18/23 15:25	05/27/23 09:36	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2066955	40	05/26/23 08:03	05/31/23 01:42	AGW	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	05/23/2023 07:58	WG2064805

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0213	0.0474	1	06/13/2023 21:46	WG2065317

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.64		0.119	1.19	5	05/23/2023 18:26	WG2065195
Barium	52.8		0.180	2.96	5	05/23/2023 18:26	WG2065195
Cadmium	0.124	J	0.101	1.19	5	05/23/2023 18:26	WG2065195
Chromium	125		0.351	5.93	5	05/23/2023 18:26	WG2065195
Copper	29.7		0.156	5.93	5	05/23/2023 18:26	WG2065195
Lead	5.28		0.117	2.37	5	05/23/2023 18:26	WG2065195
Selenium	0.358	J	0.213	2.96	5	05/23/2023 18:26	WG2065195
Silver	U		0.103	0.593	5	05/23/2023 18:26	WG2065195

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0600	0.0821	1.23	05/27/2023 08:20	WG2067552
Acrylonitrile	U		0.00593	0.0206	1.23	05/27/2023 08:20	WG2067552
Benzene	U		0.000767	0.00164	1.23	05/27/2023 08:20	WG2067552
Bromobenzene	U		0.00148	0.0206	1.23	05/27/2023 08:20	WG2067552
Bromodichloromethane	U		0.00119	0.00411	1.23	05/27/2023 08:20	WG2067552
Bromoform	U		0.00192	0.0411	1.23	05/27/2023 08:20	WG2067552
Bromomethane	U		0.00323	0.0206	1.23	05/27/2023 08:20	WG2067552
n-Butylbenzene	U		0.00863	0.0206	1.23	05/27/2023 08:20	WG2067552
sec-Butylbenzene	U		0.00473	0.0206	1.23	05/27/2023 08:20	WG2067552
tert-Butylbenzene	U		0.00321	0.00821	1.23	05/27/2023 08:20	WG2067552
Carbon disulfide	U		0.00115	0.0206	1.23	05/27/2023 08:20	WG2067552
Carbon tetrachloride	U		0.00147	0.00821	1.23	05/27/2023 08:20	WG2067552
Chlorobenzene	U		0.000345	0.00411	1.23	05/27/2023 08:20	WG2067552
Chlorodibromomethane	U		0.00101	0.00411	1.23	05/27/2023 08:20	WG2067552
Chloroethane	U		0.00279	0.00821	1.23	05/27/2023 08:20	WG2067552
Chloroform	U		0.00170	0.00411	1.23	05/27/2023 08:20	WG2067552
Chloromethane	U		0.00715	0.0206	1.23	05/27/2023 08:20	WG2067552
2-Chlorotoluene	U		0.00142	0.00411	1.23	05/27/2023 08:20	WG2067552
4-Chlorotoluene	U		0.000740	0.00821	1.23	05/27/2023 08:20	WG2067552
1,2-Dibromo-3-Chloropropane	U	C3	0.00641	0.0411	1.23	05/27/2023 08:20	WG2067552
1,2-Dibromoethane	U		0.00106	0.00411	1.23	05/27/2023 08:20	WG2067552
Dibromomethane	U		0.00123	0.00821	1.23	05/27/2023 08:20	WG2067552
1,2-Dichlorobenzene	U		0.000699	0.00821	1.23	05/27/2023 08:20	WG2067552
1,3-Dichlorobenzene	U		0.000986	0.00821	1.23	05/27/2023 08:20	WG2067552
1,4-Dichlorobenzene	U		0.00115	0.00821	1.23	05/27/2023 08:20	WG2067552
Dichlorodifluoromethane	U		0.00264	0.00411	1.23	05/27/2023 08:20	WG2067552
1,1-Dichloroethane	U		0.000807	0.00411	1.23	05/27/2023 08:20	WG2067552
1,2-Dichloroethane	U		0.00107	0.00411	1.23	05/27/2023 08:20	WG2067552
1,1-Dichloroethene	U		0.000995	0.00411	1.23	05/27/2023 08:20	WG2067552
cis-1,2-Dichloroethene	U		0.00121	0.00411	1.23	05/27/2023 08:20	WG2067552
trans-1,2-Dichloroethene	U		0.00171	0.00821	1.23	05/27/2023 08:20	WG2067552
1,2-Dichloropropane	U		0.00234	0.00821	1.23	05/27/2023 08:20	WG2067552

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.00133	0.00411	1.23	05/27/2023 08:20	WG2067552
1,3-Dichloropropane	U		0.000823	0.00821	1.23	05/27/2023 08:20	WG2067552
cis-1,3-Dichloropropene	U		0.00124	0.00411	1.23	05/27/2023 08:20	WG2067552
trans-1,3-Dichloropropene	U		0.00187	0.00821	1.23	05/27/2023 08:20	WG2067552
2,2-Dichloropropane	U		0.00227	0.00411	1.23	05/27/2023 08:20	WG2067552
Di-isopropyl ether	U		0.000673	0.00164	1.23	05/27/2023 08:20	WG2067552
Ethylbenzene	0.00584		0.00121	0.00411	1.23	05/27/2023 08:20	WG2067552
Hexachloro-1,3-butadiene	U		0.00986	0.0411	1.23	05/27/2023 08:20	WG2067552
Isopropylbenzene	0.00198	J	0.000699	0.00411	1.23	05/27/2023 08:20	WG2067552
p-Isopropyltoluene	0.00443	J	0.00419	0.00821	1.23	05/27/2023 08:20	WG2067552
2-Butanone (MEK)	U		0.104	0.164	1.23	05/27/2023 08:20	WG2067552
Methylene Chloride	0.0238	B J	0.0109	0.0411	1.23	05/27/2023 08:20	WG2067552
4-Methyl-2-pentanone (MIBK)	U		0.00374	0.0411	1.23	05/27/2023 08:20	WG2067552
Methyl tert-butyl ether	U		0.000576	0.00164	1.23	05/27/2023 08:20	WG2067552
Naphthalene	0.0202	C3 J J4	0.00801	0.0206	1.23	05/27/2023 08:20	WG2067552
n-Propylbenzene	0.00576	J	0.00156	0.00821	1.23	05/27/2023 08:20	WG2067552
Styrene	0.00740	B J	0.000377	0.0206	1.23	05/27/2023 08:20	WG2067552
1,1,1,2-Tetrachloroethane	U		0.00156	0.00411	1.23	05/27/2023 08:20	WG2067552
1,1,2,2-Tetrachloroethane	U		0.00114	0.00411	1.23	05/27/2023 08:20	WG2067552
1,1,2-Trichlorotrifluoroethane	U		0.00124	0.00411	1.23	05/27/2023 08:20	WG2067552
Tetrachloroethene	0.00345	J	0.00147	0.00411	1.23	05/27/2023 08:20	WG2067552
Toluene	0.281		0.00214	0.00821	1.23	05/27/2023 08:20	WG2067552
1,2,3-Trichlorobenzene	U	C3 J4	0.0120	0.0206	1.23	05/27/2023 08:20	WG2067552
1,2,4-Trichlorobenzene	U	C3	0.00723	0.0206	1.23	05/27/2023 08:20	WG2067552
1,1,1-Trichloroethane	U		0.00152	0.00411	1.23	05/27/2023 08:20	WG2067552
1,1,2-Trichloroethane	U		0.000980	0.00411	1.23	05/27/2023 08:20	WG2067552
Trichloroethene	U		0.000959	0.00164	1.23	05/27/2023 08:20	WG2067552
Trichlorofluoromethane	U		0.00136	0.00411	1.23	05/27/2023 08:20	WG2067552
1,2,3-Trichloropropane	U		0.00266	0.0206	1.23	05/27/2023 08:20	WG2067552
1,2,4-Trimethylbenzene	0.0415		0.00259	0.00821	1.23	05/27/2023 08:20	WG2067552
1,2,3-Trimethylbenzene	0.0353		0.00259	0.00821	1.23	05/27/2023 08:20	WG2067552
1,3,5-Trimethylbenzene	0.0208		0.00329	0.00821	1.23	05/27/2023 08:20	WG2067552
Vinyl chloride	U		0.00191	0.00411	1.23	05/27/2023 08:20	WG2067552
Xylenes, Total	0.0331		0.00144	0.0107	1.23	05/27/2023 08:20	WG2067552
(S) Toluene-d8	*110*			*75.0-131*		*05/27/2023 08:20*	WG2067552
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/27/2023 08:20*	WG2067552
(S) 1,2-Dichloroethane-d4	*78.0*			*70.0-130*		*05/27/2023 08:20*	WG2067552

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.256	1.58	40	05/31/2023 01:21	WG2066955
Acenaphthylene	U		0.223	1.58	40	05/31/2023 01:21	WG2066955
Anthracene	U		0.281	1.58	40	05/31/2023 01:21	WG2066955
Benzo(a)anthracene	U		0.279	1.58	40	05/31/2023 01:21	WG2066955
Benzo(b)fluoranthene	U		0.294	1.58	40	05/31/2023 01:21	WG2066955
Benzo(k)fluoranthene	U		0.281	1.58	40	05/31/2023 01:21	WG2066955
Benzo(g,h,i)perylene	U		0.289	1.58	40	05/31/2023 01:21	WG2066955
Benzo(a)pyrene	U		0.294	1.58	40	05/31/2023 01:21	WG2066955
Bis(2-chlorethoxy)methane	U		0.474	15.8	40	05/31/2023 01:21	WG2066955
Bis(2-chloroethyl)ether	U		0.522	15.8	40	05/31/2023 01:21	WG2066955
2,2-Oxybis(1-Chloropropane)	U		0.683	15.8	40	05/31/2023 01:21	WG2066955
4-Bromophenyl-phenylether	U		0.555	15.8	40	05/31/2023 01:21	WG2066955
2-Chloronaphthalene	U		0.277	1.58	40	05/31/2023 01:21	WG2066955
4-Chlorophenyl-phenylether	U		0.550	15.8	40	05/31/2023 01:21	WG2066955
Chrysene	U		0.314	1.58	40	05/31/2023 01:21	WG2066955

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dibenz(a,h)anthracene	U		0.437	1.58	40	05/31/2023 01:21	WG2066955
3,3-Dichlorobenzidine	U		0.583	15.8	40	05/31/2023 01:21	WG2066955
2,4-Dinitrotoluene	U		0.453	15.8	40	05/31/2023 01:21	WG2066955
2,6-Dinitrotoluene	U		0.517	15.8	40	05/31/2023 01:21	WG2066955
Fluoranthene	U		0.284	1.58	40	05/31/2023 01:21	WG2066955
Fluorene	U		0.257	1.58	40	05/31/2023 01:21	WG2066955
Hexachlorobenzene	U		0.560	15.8	40	05/31/2023 01:21	WG2066955
Hexachloro-1,3-butadiene	U		0.531	15.8	40	05/31/2023 01:21	WG2066955
Hexachlorocyclopentadiene	U		0.830	15.8	40	05/31/2023 01:21	WG2066955
Hexachloroethane	U		0.621	15.8	40	05/31/2023 01:21	WG2066955
Indeno(1,2,3-cd)pyrene	U		0.446	1.58	40	05/31/2023 01:21	WG2066955
Isophorone	U		0.484	15.8	40	05/31/2023 01:21	WG2066955
Naphthalene	U		0.396	1.58	40	05/31/2023 01:21	WG2066955
Nitrobenzene	U		0.550	15.8	40	05/31/2023 01:21	WG2066955
n-Nitrosodimethylamine	U		2.35	15.8	40	05/31/2023 01:21	WG2066955
n-Nitrosodiphenylamine	U		1.20	15.8	40	05/31/2023 01:21	WG2066955
n-Nitrosodi-n-propylamine	U		0.526	15.8	40	05/31/2023 01:21	WG2066955
Phenanthrene	U		0.313	1.58	40	05/31/2023 01:21	WG2066955
Pyridine	U		1.04	15.8	40	05/31/2023 01:21	WG2066955
Benzylbutyl phthalate	U		0.493	15.8	40	05/31/2023 01:21	WG2066955
Bis(2-ethylhexyl)phthalate	5.06	J	2.00	15.8	40	05/31/2023 01:21	WG2066955
Di-n-butyl phthalate	U		0.541	15.8	40	05/31/2023 01:21	WG2066955
Diethyl phthalate	U		0.522	15.8	40	05/31/2023 01:21	WG2066955
Dimethyl phthalate	U		3.34	15.8	40	05/31/2023 01:21	WG2066955
Di-n-octyl phthalate	U		1.07	15.8	40	05/31/2023 01:21	WG2066955
Pyrene	0.467	J	0.307	1.58	40	05/31/2023 01:21	WG2066955
1,2,4-Trichlorobenzene	U		0.493	15.8	40	05/31/2023 01:21	WG2066955
4-Chloro-3-methylphenol	U		0.512	15.8	40	05/31/2023 01:21	WG2066955
2-Chlorophenol	U		0.522	15.8	40	05/31/2023 01:21	WG2066955
2,4-Dichlorophenol	U		0.460	15.8	40	05/31/2023 01:21	WG2066955
2,4-Dimethylphenol	U		0.413	15.8	40	05/31/2023 01:21	WG2066955
4,6-Dinitro-2-methylphenol	U		3.58	15.8	40	05/31/2023 01:21	WG2066955
2,4-Dinitrophenol	U		3.70	15.8	40	05/31/2023 01:21	WG2066955
2-Methylphenol	U		0.474	15.8	40	05/31/2023 01:21	WG2066955
3&4-Methyl Phenol	U		0.493	15.8	40	05/31/2023 01:21	WG2066955
2-Nitrophenol	U		0.564	15.8	40	05/31/2023 01:21	WG2066955
4-Nitrophenol	U		0.493	15.8	40	05/31/2023 01:21	WG2066955
Pentachlorophenol	U		0.424	15.8	40	05/31/2023 01:21	WG2066955
Phenol	U		0.635	15.8	40	05/31/2023 01:21	WG2066955
2,4,6-Trichlorophenol	U		0.507	15.8	40	05/31/2023 01:21	WG2066955
2,4,5-Trichlorophenol	U		0.536	15.8	40	05/31/2023 01:21	WG2066955
(S) 2-Fluorophenol	*39.1*	J7		*12.0-120*		*05/31/2023 01:21*	WG2066955
(S) Phenol-d5	*37.0*	J7		*10.0-120*		*05/31/2023 01:21*	WG2066955
(S) Nitrobenzene-d5	*36.4*	J7		*10.0-122*		*05/31/2023 01:21*	WG2066955
(S) 2-Fluorobiphenyl	*39.1*	J7		*15.0-120*		*05/31/2023 01:21*	WG2066955
(S) 2,4,6-Tribromophenol	*43.3*	J7		*10.0-127*		*05/31/2023 01:21*	WG2066955
(S) p-Terphenyl-d14	*53.9*	J7		*10.0-120*		*05/31/2023 01:21*	WG2066955

Sample Narrative:

L1618622-01 WG2066955: Dilution due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	70.8		1	05/23/2023 11:27	WG2064806

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0673	0.0921	1.01	05/27/2023 08:39	WG2067552
Acrylonitrile	U		0.00666	0.0230	1.01	05/27/2023 08:39	WG2067552
Benzene	0.00199		0.000861	0.00184	1.01	05/27/2023 08:39	WG2067552
Bromobenzene	U		0.00166	0.0230	1.01	05/27/2023 08:39	WG2067552
Bromodichloromethane	U		0.00134	0.00462	1.01	05/27/2023 08:39	WG2067552
Bromoform	U		0.00215	0.0462	1.01	05/27/2023 08:39	WG2067552
Bromomethane	U		0.00363	0.0230	1.01	05/27/2023 08:39	WG2067552
n-Butylbenzene	U		0.00967	0.0230	1.01	05/27/2023 08:39	WG2067552
sec-Butylbenzene	0.0279		0.00531	0.0230	1.01	05/27/2023 08:39	WG2067552
tert-Butylbenzene	U		0.00359	0.00921	1.01	05/27/2023 08:39	WG2067552
Carbon disulfide	U		0.00129	0.0230	1.01	05/27/2023 08:39	WG2067552
Carbon tetrachloride	U		0.00165	0.00921	1.01	05/27/2023 08:39	WG2067552
Chlorobenzene	U		0.000387	0.00462	1.01	05/27/2023 08:39	WG2067552
Chlorodibromomethane	U		0.00113	0.00462	1.01	05/27/2023 08:39	WG2067552
Chloroethane	U		0.00314	0.00921	1.01	05/27/2023 08:39	WG2067552
Chloroform	U		0.00190	0.00462	1.01	05/27/2023 08:39	WG2067552
Chloromethane	U		0.00801	0.0230	1.01	05/27/2023 08:39	WG2067552
2-Chlorotoluene	U		0.00159	0.00462	1.01	05/27/2023 08:39	WG2067552
4-Chlorotoluene	U		0.000830	0.00921	1.01	05/27/2023 08:39	WG2067552
1,2-Dibromo-3-Chloropropane	U	C3	0.00719	0.0462	1.01	05/27/2023 08:39	WG2067552
1,2-Dibromoethane	U		0.00119	0.00462	1.01	05/27/2023 08:39	WG2067552
Dibromomethane	U		0.00138	0.00921	1.01	05/27/2023 08:39	WG2067552
1,2-Dichlorobenzene	U		0.000783	0.00921	1.01	05/27/2023 08:39	WG2067552
1,3-Dichlorobenzene	U		0.00111	0.00921	1.01	05/27/2023 08:39	WG2067552
1,4-Dichlorobenzene	U		0.00129	0.00921	1.01	05/27/2023 08:39	WG2067552
Dichlorodifluoromethane	U		0.00297	0.00462	1.01	05/27/2023 08:39	WG2067552
1,1-Dichloroethane	U		0.000905	0.00462	1.01	05/27/2023 08:39	WG2067552
1,2-Dichloroethane	U		0.00119	0.00462	1.01	05/27/2023 08:39	WG2067552
1,1-Dichloroethene	U		0.00112	0.00462	1.01	05/27/2023 08:39	WG2067552
cis-1,2-Dichloroethene	0.0593		0.00135	0.00462	1.01	05/27/2023 08:39	WG2067552
trans-1,2-Dichloroethene	U		0.00192	0.00921	1.01	05/27/2023 08:39	WG2067552
1,2-Dichloropropane	U		0.00261	0.00921	1.01	05/27/2023 08:39	WG2067552
1,1-Dichloropropene	U		0.00149	0.00462	1.01	05/27/2023 08:39	WG2067552
1,3-Dichloropropane	U		0.000923	0.00921	1.01	05/27/2023 08:39	WG2067552
cis-1,3-Dichloropropene	U		0.00140	0.00462	1.01	05/27/2023 08:39	WG2067552
trans-1,3-Dichloropropene	U		0.00210	0.00921	1.01	05/27/2023 08:39	WG2067552
2,2-Dichloropropane	U		0.00254	0.00462	1.01	05/27/2023 08:39	WG2067552
Di-isopropyl ether	U		0.000755	0.00184	1.01	05/27/2023 08:39	WG2067552
Ethylbenzene	0.0861		0.00136	0.00462	1.01	05/27/2023 08:39	WG2067552
Hexachloro-1,3-butadiene	U		0.0111	0.0462	1.01	05/27/2023 08:39	WG2067552
Isopropylbenzene	0.0167		0.000783	0.00462	1.01	05/27/2023 08:39	WG2067552
p-Isopropyltoluene	0.0230		0.00471	0.00921	1.01	05/27/2023 08:39	WG2067552
2-Butanone (MEK)	U		0.117	0.184	1.01	05/27/2023 08:39	WG2067552
Methylene Chloride	0.0180	B J	0.0122	0.0462	1.01	05/27/2023 08:39	WG2067552
4-Methyl-2-pentanone (MIBK)	U		0.00420	0.0462	1.01	05/27/2023 08:39	WG2067552
Methyl tert-butyl ether	U		0.000644	0.00184	1.01	05/27/2023 08:39	WG2067552
Naphthalene	0.143	C3 J4	0.00899	0.0230	1.01	05/27/2023 08:39	WG2067552
n-Propylbenzene	0.0755		0.00175	0.00921	1.01	05/27/2023 08:39	WG2067552
Styrene	0.00308	B J	0.000421	0.0230	1.01	05/27/2023 08:39	WG2067552
1,1,1,2-Tetrachloroethane	U		0.00175	0.00462	1.01	05/27/2023 08:39	WG2067552

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.00128	0.00462	1.01	05/27/2023 08:39	WG2067552
1,1,2-Trichlorotrifluoroethane	U		0.00139	0.00462	1.01	05/27/2023 08:39	WG2067552
Tetrachloroethene	1.62		0.00165	0.00462	1.01	05/27/2023 08:39	WG2067552
Toluene	0.0921		0.00239	0.00921	1.01	05/27/2023 08:39	WG2067552
1,2,3-Trichlorobenzene	U	C3 J4	0.0135	0.0230	1.01	05/27/2023 08:39	WG2067552
1,2,4-Trichlorobenzene	U	C3	0.00810	0.0230	1.01	05/27/2023 08:39	WG2067552
1,1,1-Trichloroethane	U		0.00170	0.00462	1.01	05/27/2023 08:39	WG2067552
1,1,2-Trichloroethane	U		0.00110	0.00462	1.01	05/27/2023 08:39	WG2067552
Trichloroethene	0.00912		0.00108	0.00184	1.01	05/27/2023 08:39	WG2067552
Trichlorofluoromethane	U		0.00152	0.00462	1.01	05/27/2023 08:39	WG2067552
1,2,3-Trichloropropane	U		0.00299	0.0230	1.01	05/27/2023 08:39	WG2067552
1,2,4-Trimethylbenzene	0.527		0.00292	0.00921	1.01	05/27/2023 08:39	WG2067552
1,2,3-Trimethylbenzene	0.321		0.00292	0.00921	1.01	05/27/2023 08:39	WG2067552
1,3,5-Trimethylbenzene	0.232		0.00369	0.00921	1.01	05/27/2023 08:39	WG2067552
Vinyl chloride	U		0.00213	0.00462	1.01	05/27/2023 08:39	WG2067552
Xylenes, Total	0.545		0.00162	0.0120	1.01	05/27/2023 08:39	WG2067552
(S) Toluene-d8	*105*			*75.0-131*		*05/27/2023 08:39*	WG2067552
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/27/2023 08:39*	WG2067552
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*05/27/2023 08:39*	WG2067552

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		1.53	9.41	200	05/26/2023 20:29	WG2066955
Acenaphthylene	U		1.33	9.41	200	05/26/2023 20:29	WG2066955
Anthracene	U		1.68	9.41	200	05/26/2023 20:29	WG2066955
Benzo(a)anthracene	U		1.65	9.41	200	05/26/2023 20:29	WG2066955
Benzo(b)fluoranthene	U		1.75	9.41	200	05/26/2023 20:29	WG2066955
Benzo(k)fluoranthene	U		1.67	9.41	200	05/26/2023 20:29	WG2066955
Benzo(g,h,i)perylene	2.70	J	1.72	9.41	200	05/26/2023 20:29	WG2066955
Benzo(a)pyrene	U		1.75	9.41	200	05/26/2023 20:29	WG2066955
Bis(2-chlorethoxy)methane	U		2.83	94.1	200	05/26/2023 20:29	WG2066955
Bis(2-chloroethyl)ether	U		3.11	94.1	200	05/26/2023 20:29	WG2066955
2,2-Oxybis(1-Chloropropane)	U		4.07	94.1	200	05/26/2023 20:29	WG2066955
4-Bromophenyl-phenylether	U		3.31	94.1	200	05/26/2023 20:29	WG2066955
2-Chloronaphthalene	U		1.65	9.41	200	05/26/2023 20:29	WG2066955
4-Chlorophenyl-phenylether	U		3.28	94.1	200	05/26/2023 20:29	WG2066955
Chrysene	U		1.87	9.41	200	05/26/2023 20:29	WG2066955
Dibenz(a,h)anthracene	U		2.61	9.41	200	05/26/2023 20:29	WG2066955
3,3-Dichlorobenzidine	U		3.48	94.1	200	05/26/2023 20:29	WG2066955
2,4-Dinitrotoluene	U		2.70	94.1	200	05/26/2023 20:29	WG2066955
2,6-Dinitrotoluene	U		3.08	94.1	200	05/26/2023 20:29	WG2066955
Fluoranthene	2.36	J	1.70	9.41	200	05/26/2023 20:29	WG2066955
Fluorene	U		1.53	9.41	200	05/26/2023 20:29	WG2066955
Hexachlorobenzene	U		3.34	94.1	200	05/26/2023 20:29	WG2066955
Hexachloro-1,3-butadiene	U		3.17	94.1	200	05/26/2023 20:29	WG2066955
Hexachlorocyclopentadiene	U		4.95	94.1	200	05/26/2023 20:29	WG2066955
Hexachloroethane	U		3.70	94.1	200	05/26/2023 20:29	WG2066955
Indeno(1,2,3-cd)pyrene	U		2.66	9.41	200	05/26/2023 20:29	WG2066955
Isophorone	U		2.88	94.1	200	05/26/2023 20:29	WG2066955
Naphthalene	U		2.36	9.41	200	05/26/2023 20:29	WG2066955
Nitrobenzene	U		3.28	94.1	200	05/26/2023 20:29	WG2066955
n-Nitrosodimethylamine	U		14.0	94.1	200	05/26/2023 20:29	WG2066955
n-Nitrosodiphenylamine	U		7.12	94.1	200	05/26/2023 20:29	WG2066955
n-Nitrosodi-n-propylamine	U		3.14	94.1	200	05/26/2023 20:29	WG2066955
Phenanthrene	U		1.87	9.41	200	05/26/2023 20:29	WG2066955

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Pyridine	U		6.22	94.1	200	05/26/2023 20:29	WG2066955
Benzylbutyl phthalate	U		2.94	94.1	200	05/26/2023 20:29	WG2066955
Bis(2-ethylhexyl)phthalate	16.3	J	11.9	94.1	200	05/26/2023 20:29	WG2066955
Di-n-butyl phthalate	U		3.22	94.1	200	05/26/2023 20:29	WG2066955
Diethyl phthalate	U		3.11	94.1	200	05/26/2023 20:29	WG2066955
Dimethyl phthalate	U		19.9	94.1	200	05/26/2023 20:29	WG2066955
Di-n-octyl phthalate	U		6.36	94.1	200	05/26/2023 20:29	WG2066955
Pyrene	4.56	J	1.84	9.41	200	05/26/2023 20:29	WG2066955
1,2,4-Trichlorobenzene	U		2.94	94.1	200	05/26/2023 20:29	WG2066955
4-Chloro-3-methylphenol	U		3.05	94.1	200	05/26/2023 20:29	WG2066955
2-Chlorophenol	U		3.11	94.1	200	05/26/2023 20:29	WG2066955
2,4-Dichlorophenol	U		2.74	94.1	200	05/26/2023 20:29	WG2066955
2,4-Dimethylphenol	U		2.46	94.1	200	05/26/2023 20:29	WG2066955
4,6-Dinitro-2-methylphenol	U		21.3	94.1	200	05/26/2023 20:29	WG2066955
2,4-Dinitrophenol	U		22.0	94.1	200	05/26/2023 20:29	WG2066955
2-Methylphenol	U		2.83	94.1	200	05/26/2023 20:29	WG2066955
3&4-Methyl Phenol	U		2.94	94.1	200	05/26/2023 20:29	WG2066955
2-Nitrophenol	U		3.36	94.1	200	05/26/2023 20:29	WG2066955
4-Nitrophenol	U		2.94	94.1	200	05/26/2023 20:29	WG2066955
Pentachlorophenol	U		2.53	94.1	200	05/26/2023 20:29	WG2066955
Phenol	U		3.79	94.1	200	05/26/2023 20:29	WG2066955
2,4,6-Trichlorophenol	U		3.02	94.1	200	05/26/2023 20:29	WG2066955
2,4,5-Trichlorophenol	U		3.19	94.1	200	05/26/2023 20:29	WG2066955
(S) 2-Fluorophenol	*44.8*	J7		*12.0-120*		*05/26/2023 20:29*	WG2066955
(S) Phenol-d5	*54.8*	J7		*10.0-120*		*05/26/2023 20:29*	WG2066955
(S) Nitrobenzene-d5	*97.6*	J7		*10.0-122*		*05/26/2023 20:29*	WG2066955
(S) 2-Fluorobiphenyl	*70.9*	J7		*15.0-120*		*05/26/2023 20:29*	WG2066955
(S) 2,4,6-Tribromophenol	*53.5*	J7		*10.0-127*		*05/26/2023 20:29*	WG2066955
(S) p-Terphenyl-d14	*0.000*	J7		*10.0-120*		*05/26/2023 20:29*	WG2066955

Sample Narrative:

L1618622-02 WG2066955: Dilution due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.1		1	05/23/2023 11:27	WG2064806

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0187	0.0416	1	06/13/2023 21:48	WG2065317

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.59		0.104	1.04	5	05/23/2023 18:29	WG2065195
Barium	285		0.158	2.60	5	05/23/2023 18:29	WG2065195
Cadmium	0.245	J	0.0889	1.04	5	05/23/2023 18:29	WG2065195
Chromium	1810		0.308	5.20	5	05/23/2023 18:29	WG2065195
Copper	116		0.276	10.4	10	05/23/2023 19:20	WG2065195
Lead	16.6		0.103	2.08	5	05/23/2023 18:29	WG2065195
Selenium	0.858	J	0.187	2.60	5	05/23/2023 18:29	WG2065195
Silver	0.166	J	0.0900	0.520	5	05/23/2023 18:29	WG2065195

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0397	0.0543	1	05/27/2023 08:58	WG2067552
Acrylonitrile	U		0.00392	0.0136	1	05/27/2023 08:58	WG2067552
Benzene	0.000519	J	0.000507	0.00109	1	05/27/2023 08:58	WG2067552
Bromobenzene	U		0.000978	0.0136	1	05/27/2023 08:58	WG2067552
Bromodichloromethane	U		0.000788	0.00272	1	05/27/2023 08:58	WG2067552
Bromoform	U		0.00127	0.0272	1	05/27/2023 08:58	WG2067552
Bromomethane	U		0.00214	0.0136	1	05/27/2023 08:58	WG2067552
n-Butylbenzene	U		0.00570	0.0136	1	05/27/2023 08:58	WG2067552
sec-Butylbenzene	U		0.00313	0.0136	1	05/27/2023 08:58	WG2067552
tert-Butylbenzene	U		0.00212	0.00543	1	05/27/2023 08:58	WG2067552
Carbon disulfide	U		0.000761	0.0136	1	05/27/2023 08:58	WG2067552
Carbon tetrachloride	U		0.000976	0.00543	1	05/27/2023 08:58	WG2067552
Chlorobenzene	U		0.000228	0.00272	1	05/27/2023 08:58	WG2067552
Chlorodibromomethane	U		0.000665	0.00272	1	05/27/2023 08:58	WG2067552
Chloroethane	U		0.00185	0.00543	1	05/27/2023 08:58	WG2067552
Chloroform	U		0.00112	0.00272	1	05/27/2023 08:58	WG2067552
Chloromethane	U		0.00473	0.0136	1	05/27/2023 08:58	WG2067552
2-Chlorotoluene	U		0.000940	0.00272	1	05/27/2023 08:58	WG2067552
4-Chlorotoluene	U		0.000489	0.00543	1	05/27/2023 08:58	WG2067552
1,2-Dibromo-3-Chloropropane	U	C3	0.00424	0.0272	1	05/27/2023 08:58	WG2067552
1,2-Dibromoethane	U		0.000704	0.00272	1	05/27/2023 08:58	WG2067552
Dibromomethane	U		0.000815	0.00543	1	05/27/2023 08:58	WG2067552
1,2-Dichlorobenzene	U		0.000462	0.00543	1	05/27/2023 08:58	WG2067552
1,3-Dichlorobenzene	U		0.000652	0.00543	1	05/27/2023 08:58	WG2067552
1,4-Dichlorobenzene	U		0.000761	0.00543	1	05/27/2023 08:58	WG2067552
Dichlorodifluoromethane	U		0.00175	0.00272	1	05/27/2023 08:58	WG2067552
1,1-Dichloroethane	U		0.000533	0.00272	1	05/27/2023 08:58	WG2067552
1,2-Dichloroethane	U		0.000705	0.00272	1	05/27/2023 08:58	WG2067552
1,1-Dichloroethene	U		0.000658	0.00272	1	05/27/2023 08:58	WG2067552
cis-1,2-Dichloroethene	U		0.000797	0.00272	1	05/27/2023 08:58	WG2067552
trans-1,2-Dichloroethene	U		0.00113	0.00543	1	05/27/2023 08:58	WG2067552
1,2-Dichloropropane	U		0.00154	0.00543	1	05/27/2023 08:58	WG2067552

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.000879	0.00272	1	05/27/2023 08:58	WG2067552
1,3-Dichloropropane	U		0.000544	0.00543	1	05/27/2023 08:58	WG2067552
cis-1,3-Dichloropropene	U		0.000822	0.00272	1	05/27/2023 08:58	WG2067552
trans-1,3-Dichloropropene	U		0.00124	0.00543	1	05/27/2023 08:58	WG2067552
2,2-Dichloropropane	U		0.00150	0.00272	1	05/27/2023 08:58	WG2067552
Di-isopropyl ether	U		0.000445	0.00109	1	05/27/2023 08:58	WG2067552
Ethylbenzene	U		0.000801	0.00272	1	05/27/2023 08:58	WG2067552
Hexachloro-1,3-butadiene	U		0.00652	0.0272	1	05/27/2023 08:58	WG2067552
Isopropylbenzene	U		0.000462	0.00272	1	05/27/2023 08:58	WG2067552
p-Isopropyltoluene	0.00778		0.00277	0.00543	1	05/27/2023 08:58	WG2067552
2-Butanone (MEK)	U		0.0690	0.109	1	05/27/2023 08:58	WG2067552
Methylene Chloride	0.0106	B J	0.00721	0.0272	1	05/27/2023 08:58	WG2067552
4-Methyl-2-pentanone (MIBK)	U		0.00248	0.0272	1	05/27/2023 08:58	WG2067552
Methyl tert-butyl ether	U		0.000380	0.00109	1	05/27/2023 08:58	WG2067552
Naphthalene	U	C3 J4	0.00530	0.0136	1	05/27/2023 08:58	WG2067552
n-Propylbenzene	U		0.00103	0.00543	1	05/27/2023 08:58	WG2067552
Styrene	0.000591	B J	0.000249	0.0136	1	05/27/2023 08:58	WG2067552
1,1,1,2-Tetrachloroethane	U		0.00103	0.00272	1	05/27/2023 08:58	WG2067552
1,1,2,2-Tetrachloroethane	U		0.000755	0.00272	1	05/27/2023 08:58	WG2067552
1,1,2-Trichlorotrifluoroethane	U		0.000819	0.00272	1	05/27/2023 08:58	WG2067552
Tetrachloroethene	0.00612		0.000973	0.00272	1	05/27/2023 08:58	WG2067552
Toluene	0.00354	J	0.00141	0.00543	1	05/27/2023 08:58	WG2067552
1,2,3-Trichlorobenzene	U	C3 J4	0.00796	0.0136	1	05/27/2023 08:58	WG2067552
1,2,4-Trichlorobenzene	U	C3	0.00478	0.0136	1	05/27/2023 08:58	WG2067552
1,1,1-Trichloroethane	U		0.00100	0.00272	1	05/27/2023 08:58	WG2067552
1,1,2-Trichloroethane	U		0.000649	0.00272	1	05/27/2023 08:58	WG2067552
Trichloroethene	U		0.000634	0.00109	1	05/27/2023 08:58	WG2067552
Trichlorofluoromethane	U		0.000898	0.00272	1	05/27/2023 08:58	WG2067552
1,2,3-Trichloropropane	U		0.00176	0.0136	1	05/27/2023 08:58	WG2067552
1,2,4-Trimethylbenzene	0.00688		0.00172	0.00543	1	05/27/2023 08:58	WG2067552
1,2,3-Trimethylbenzene	0.00288	J	0.00172	0.00543	1	05/27/2023 08:58	WG2067552
1,3,5-Trimethylbenzene	0.00222	J	0.00217	0.00543	1	05/27/2023 08:58	WG2067552
Vinyl chloride	U		0.00126	0.00272	1	05/27/2023 08:58	WG2067552
Xylenes, Total	0.00549	J	0.000956	0.00706	1	05/27/2023 08:58	WG2067552
(S) Toluene-d8	*108*			*75.0-131*		*05/27/2023 08:58*	WG2067552
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/27/2023 08:58*	WG2067552
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*05/27/2023 08:58*	WG2067552

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.281	1.74	50	05/31/2023 00:40	WG2066955
Acenaphthylene	U		0.243	1.74	50	05/31/2023 00:40	WG2066955
Anthracene	U		0.309	1.74	50	05/31/2023 00:40	WG2066955
Benzo(a)anthracene	U		0.305	1.74	50	05/31/2023 00:40	WG2066955
Benzo(b)fluoranthene	U		0.323	1.74	50	05/31/2023 00:40	WG2066955
Benzo(k)fluoranthene	U		0.308	1.74	50	05/31/2023 00:40	WG2066955
Benzo(g,h,i)perylene	U		0.317	1.74	50	05/31/2023 00:40	WG2066955
Benzo(a)pyrene	U		0.321	1.74	50	05/31/2023 00:40	WG2066955
Bis(2-chlorethoxy)methane	U		0.520	17.4	50	05/31/2023 00:40	WG2066955
Bis(2-chloroethyl)ether	U		0.572	17.4	50	05/31/2023 00:40	WG2066955
2,2-Oxybis(1-Chloropropane)	U		0.749	17.4	50	05/31/2023 00:40	WG2066955
4-Bromophenyl-phenylether	U		0.608	17.4	50	05/31/2023 00:40	WG2066955
2-Chloronaphthalene	U		0.305	1.74	50	05/31/2023 00:40	WG2066955
4-Chlorophenyl-phenylether	U		0.603	17.4	50	05/31/2023 00:40	WG2066955
Chrysene	U		0.344	1.74	50	05/31/2023 00:40	WG2066955

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dibenz(a,h)anthracene	U		0.481	1.74	50	05/31/2023 00:40	WG2066955
3,3-Dichlorobenzidine	U		0.640	17.4	50	05/31/2023 00:40	WG2066955
2,4-Dinitrotoluene	U		0.496	17.4	50	05/31/2023 00:40	WG2066955
2,6-Dinitrotoluene	U		0.567	17.4	50	05/31/2023 00:40	WG2066955
Fluoranthene	U		0.313	1.74	50	05/31/2023 00:40	WG2066955
Fluorene	U		0.282	1.74	50	05/31/2023 00:40	WG2066955
Hexachlorobenzene	U		0.614	17.4	50	05/31/2023 00:40	WG2066955
Hexachloro-1,3-butadiene	U		0.582	17.4	50	05/31/2023 00:40	WG2066955
Hexachlorocyclopentadiene	U		0.910	17.4	50	05/31/2023 00:40	WG2066955
Hexachloroethane	U		0.681	17.4	50	05/31/2023 00:40	WG2066955
Indeno(1,2,3-cd)pyrene	U		0.490	1.74	50	05/31/2023 00:40	WG2066955
Isophorone	U		0.530	17.4	50	05/31/2023 00:40	WG2066955
Naphthalene	U		0.435	1.74	50	05/31/2023 00:40	WG2066955
Nitrobenzene	U		0.603	17.4	50	05/31/2023 00:40	WG2066955
n-Nitrosodimethylamine	U		2.57	17.4	50	05/31/2023 00:40	WG2066955
n-Nitrosodiphenylamine	U		1.31	17.4	50	05/31/2023 00:40	WG2066955
n-Nitrosodi-n-propylamine	U		0.577	17.4	50	05/31/2023 00:40	WG2066955
Phenanthrene	U		0.344	1.74	50	05/31/2023 00:40	WG2066955
Pyridine	U		1.14	17.4	50	05/31/2023 00:40	WG2066955
Benzylbutyl phthalate	U		0.541	17.4	50	05/31/2023 00:40	WG2066955
Bis(2-ethylhexyl)phthalate	6.97	J	2.19	17.4	50	05/31/2023 00:40	WG2066955
Di-n-butyl phthalate	U		0.593	17.4	50	05/31/2023 00:40	WG2066955
Diethyl phthalate	U		0.572	17.4	50	05/31/2023 00:40	WG2066955
Dimethyl phthalate	U		3.67	17.4	50	05/31/2023 00:40	WG2066955
Di-n-octyl phthalate	U		1.18	17.4	50	05/31/2023 00:40	WG2066955
Pyrene	0.482	J	0.337	1.74	50	05/31/2023 00:40	WG2066955
1,2,4-Trichlorobenzene	U		0.541	17.4	50	05/31/2023 00:40	WG2066955
4-Chloro-3-methylphenol	U		0.562	17.4	50	05/31/2023 00:40	WG2066955
2-Chlorophenol	U		0.572	17.4	50	05/31/2023 00:40	WG2066955
2,4-Dichlorophenol	U		0.504	17.4	50	05/31/2023 00:40	WG2066955
2,4-Dimethylphenol	U		0.452	17.4	50	05/31/2023 00:40	WG2066955
4,6-Dinitro-2-methylphenol	U		3.93	17.4	50	05/31/2023 00:40	WG2066955
2,4-Dinitrophenol	U		4.06	17.4	50	05/31/2023 00:40	WG2066955
2-Methylphenol	U		0.520	17.4	50	05/31/2023 00:40	WG2066955
3&4-Methyl Phenol	U		0.541	17.4	50	05/31/2023 00:40	WG2066955
2-Nitrophenol	U		0.619	17.4	50	05/31/2023 00:40	WG2066955
4-Nitrophenol	U		0.541	17.4	50	05/31/2023 00:40	WG2066955
Pentachlorophenol	U		0.466	17.4	50	05/31/2023 00:40	WG2066955
Phenol	U		0.697	17.4	50	05/31/2023 00:40	WG2066955
2,4,6-Trichlorophenol	U		0.556	17.4	50	05/31/2023 00:40	WG2066955
2,4,5-Trichlorophenol	U		0.588	17.4	50	05/31/2023 00:40	WG2066955
(S) 2-Fluorophenol	*68.4*	J7		*12.0-120*		*05/31/2023 00:40*	WG2066955
(S) Phenol-d5	*63.1*	J7		*10.0-120*		*05/31/2023 00:40*	WG2066955
(S) Nitrobenzene-d5	*87.7*	J7		*10.0-122*		*05/31/2023 00:40*	WG2066955
(S) 2-Fluorobiphenyl	*77.1*	J7		*15.0-120*		*05/31/2023 00:40*	WG2066955
(S) 2,4,6-Tribromophenol	*90.7*	J7		*10.0-127*		*05/31/2023 00:40*	WG2066955
(S) p-Terphenyl-d14	*126*	J7		*10.0-120*		*05/31/2023 00:40*	WG2066955

Sample Narrative:

L1618622-03 WG2066955: Dilution due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	05/23/2023 11:27	WG2064806

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0236	J	0.0215	0.0477	1	06/13/2023 21:51	WG2065317

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.30		0.119	1.19	5	05/23/2023 18:32	WG2065195
Barium	56.0		0.181	2.98	5	05/23/2023 18:32	WG2065195
Cadmium	2.45		0.102	1.19	5	05/23/2023 18:32	WG2065195
Chromium	289		0.353	5.97	5	05/23/2023 18:32	WG2065195
Copper	171		0.316	11.9	10	05/23/2023 19:23	WG2065195
Lead	111		0.118	2.39	5	05/23/2023 18:32	WG2065195
Selenium	0.262	J	0.215	2.98	5	05/23/2023 18:32	WG2065195
Silver	0.292	J	0.103	0.597	5	05/23/2023 18:32	WG2065195

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.123	0.170	2.67	05/27/2023 09:17	WG2067552
Acrylonitrile	U		0.0122	0.0423	2.67	05/27/2023 09:17	WG2067552
Benzene	0.00566		0.00158	0.00338	2.67	05/27/2023 09:17	WG2067552
Bromobenzene	U		0.00304	0.0423	2.67	05/27/2023 09:17	WG2067552
Bromodichloromethane	U		0.00246	0.00845	2.67	05/27/2023 09:17	WG2067552
Bromoform	U		0.00395	0.0845	2.67	05/27/2023 09:17	WG2067552
Bromomethane	U		0.00666	0.0423	2.67	05/27/2023 09:17	WG2067552
n-Butylbenzene	U		0.0177	0.0423	2.67	05/27/2023 09:17	WG2067552
sec-Butylbenzene	U		0.00973	0.0423	2.67	05/27/2023 09:17	WG2067552
tert-Butylbenzene	U		0.00659	0.0170	2.67	05/27/2023 09:17	WG2067552
Carbon disulfide	0.00397	J	0.00237	0.0423	2.67	05/27/2023 09:17	WG2067552
Carbon tetrachloride	U		0.00304	0.0170	2.67	05/27/2023 09:17	WG2067552
Chlorobenzene	U		0.000710	0.00845	2.67	05/27/2023 09:17	WG2067552
Chlorodibromomethane	U		0.00206	0.00845	2.67	05/27/2023 09:17	WG2067552
Chloroethane	U		0.00575	0.0170	2.67	05/27/2023 09:17	WG2067552
Chloroform	U		0.00348	0.00845	2.67	05/27/2023 09:17	WG2067552
Chloromethane	U		0.0147	0.0423	2.67	05/27/2023 09:17	WG2067552
2-Chlorotoluene	U		0.00292	0.00845	2.67	05/27/2023 09:17	WG2067552
4-Chlorotoluene	U		0.00152	0.0170	2.67	05/27/2023 09:17	WG2067552
1,2-Dibromo-3-Chloropropane	U	C3	0.0132	0.0845	2.67	05/27/2023 09:17	WG2067552
1,2-Dibromoethane	U		0.00219	0.00845	2.67	05/27/2023 09:17	WG2067552
Dibromomethane	U		0.00253	0.0170	2.67	05/27/2023 09:17	WG2067552
1,2-Dichlorobenzene	U		0.00143	0.0170	2.67	05/27/2023 09:17	WG2067552
1,3-Dichlorobenzene	U		0.00203	0.0170	2.67	05/27/2023 09:17	WG2067552
1,4-Dichlorobenzene	U		0.00237	0.0170	2.67	05/27/2023 09:17	WG2067552
Dichlorodifluoromethane	U		0.00544	0.00845	2.67	05/27/2023 09:17	WG2067552
1,1-Dichloroethane	U		0.00166	0.00845	2.67	05/27/2023 09:17	WG2067552
1,2-Dichloroethane	0.00220	J	0.00219	0.00845	2.67	05/27/2023 09:17	WG2067552
1,1-Dichloroethene	U		0.00205	0.00845	2.67	05/27/2023 09:17	WG2067552
cis-1,2-Dichloroethene	U		0.00248	0.00845	2.67	05/27/2023 09:17	WG2067552
trans-1,2-Dichloroethene	U		0.00352	0.0170	2.67	05/27/2023 09:17	WG2067552
1,2-Dichloropropane	U		0.00480	0.0170	2.67	05/27/2023 09:17	WG2067552

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.00273	0.00845	2.67	05/27/2023 09:17	WG2067552
1,3-Dichloropropane	U		0.00170	0.0170	2.67	05/27/2023 09:17	WG2067552
cis-1,3-Dichloropropene	U		0.00256	0.00845	2.67	05/27/2023 09:17	WG2067552
trans-1,3-Dichloropropene	U		0.00385	0.0170	2.67	05/27/2023 09:17	WG2067552
2,2-Dichloropropane	U		0.00466	0.00845	2.67	05/27/2023 09:17	WG2067552
Di-isopropyl ether	U		0.00138	0.00338	2.67	05/27/2023 09:17	WG2067552
Ethylbenzene	0.00414	J	0.00249	0.00845	2.67	05/27/2023 09:17	WG2067552
Hexachloro-1,3-butadiene	U		0.0203	0.0845	2.67	05/27/2023 09:17	WG2067552
Isopropylbenzene	0.00271	J	0.00143	0.00845	2.67	05/27/2023 09:17	WG2067552
p-Isopropyltoluene	0.00954	J	0.00862	0.0170	2.67	05/27/2023 09:17	WG2067552
2-Butanone (MEK)	0.257	J	0.215	0.338	2.67	05/27/2023 09:17	WG2067552
Methylene Chloride	0.0314	B J	0.0224	0.0845	2.67	05/27/2023 09:17	WG2067552
4-Methyl-2-pentanone (MIBK)	0.0306	J	0.00771	0.0845	2.67	05/27/2023 09:17	WG2067552
Methyl tert-butyl ether	0.0138		0.00118	0.00338	2.67	05/27/2023 09:17	WG2067552
Naphthalene	U	C3 J4	0.0165	0.0423	2.67	05/27/2023 09:17	WG2067552
n-Propylbenzene	0.00743	J	0.00321	0.0170	2.67	05/27/2023 09:17	WG2067552
Styrene	0.00600	B J	0.000773	0.0423	2.67	05/27/2023 09:17	WG2067552
1,1,1,2-Tetrachloroethane	U		0.00320	0.00845	2.67	05/27/2023 09:17	WG2067552
1,1,2,2-Tetrachloroethane	U		0.00235	0.00845	2.67	05/27/2023 09:17	WG2067552
1,1,2-Trichlorotrifluoroethane	U		0.00254	0.00845	2.67	05/27/2023 09:17	WG2067552
Tetrachloroethene	0.00718	J	0.00303	0.00845	2.67	05/27/2023 09:17	WG2067552
Toluene	0.0609		0.00439	0.0170	2.67	05/27/2023 09:17	WG2067552
1,2,3-Trichlorobenzene	U	C3 J4	0.0248	0.0423	2.67	05/27/2023 09:17	WG2067552
1,2,4-Trichlorobenzene	U	C3	0.0148	0.0423	2.67	05/27/2023 09:17	WG2067552
1,1,1-Trichloroethane	U		0.00311	0.00845	2.67	05/27/2023 09:17	WG2067552
1,1,2-Trichloroethane	U		0.00201	0.00845	2.67	05/27/2023 09:17	WG2067552
Trichloroethene	U		0.00197	0.00338	2.67	05/27/2023 09:17	WG2067552
Trichlorofluoromethane	U		0.00280	0.00845	2.67	05/27/2023 09:17	WG2067552
1,2,3-Trichloropropane	U		0.00548	0.0423	2.67	05/27/2023 09:17	WG2067552
1,2,4-Trimethylbenzene	0.0549		0.00534	0.0170	2.67	05/27/2023 09:17	WG2067552
1,2,3-Trimethylbenzene	0.0240		0.00534	0.0170	2.67	05/27/2023 09:17	WG2067552
1,3,5-Trimethylbenzene	0.0143	J	0.00676	0.0170	2.67	05/27/2023 09:17	WG2067552
Vinyl chloride	U		0.00392	0.00845	2.67	05/27/2023 09:17	WG2067552
Xylenes, Total	0.0296		0.00297	0.0220	2.67	05/27/2023 09:17	WG2067552
(S) Toluene-d8	*105*			*75.0-131*		*05/27/2023 09:17*	WG2067552
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/27/2023 09:17*	WG2067552
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*05/27/2023 09:17*	WG2067552

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0643	0.397	10	05/31/2023 01:01	WG2066955
Acenaphthylene	U		0.0560	0.397	10	05/31/2023 01:01	WG2066955
Anthracene	U		0.0708	0.397	10	05/31/2023 01:01	WG2066955
Benzo(a)anthracene	U		0.0700	0.397	10	05/31/2023 01:01	WG2066955
Benzo(b)fluoranthene	U		0.0741	0.397	10	05/31/2023 01:01	WG2066955
Benzo(k)fluoranthene	U		0.0706	0.397	10	05/31/2023 01:01	WG2066955
Benzo(g,h,i)perylene	U		0.0727	0.397	10	05/31/2023 01:01	WG2066955
Benzo(a)pyrene	U		0.0739	0.397	10	05/31/2023 01:01	WG2066955
Bis(2-chlorethoxy)methane	U		0.119	3.97	10	05/31/2023 01:01	WG2066955
Bis(2-chloroethyl)ether	U		0.131	3.97	10	05/31/2023 01:01	WG2066955
2,2-Oxybis(1-Chloropropane)	U		0.172	3.97	10	05/31/2023 01:01	WG2066955
4-Bromophenyl-phenylether	U		0.140	3.97	10	05/31/2023 01:01	WG2066955
2-Chloronaphthalene	U		0.0698	0.397	10	05/31/2023 01:01	WG2066955
4-Chlorophenyl-phenylether	U		0.138	3.97	10	05/31/2023 01:01	WG2066955
Chrysene	U		0.0790	0.397	10	05/31/2023 01:01	WG2066955

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dibenz(a,h)anthracene	U		0.110	0.397	10	05/31/2023 01:01	WG2066955
3,3-Dichlorobenzidine	U		0.147	3.97	10	05/31/2023 01:01	WG2066955
2,4-Dinitrotoluene	U		0.114	3.97	10	05/31/2023 01:01	WG2066955
2,6-Dinitrotoluene	U		0.130	3.97	10	05/31/2023 01:01	WG2066955
Fluoranthene	U		0.0717	0.397	10	05/31/2023 01:01	WG2066955
Fluorene	U		0.0647	0.397	10	05/31/2023 01:01	WG2066955
Hexachlorobenzene	U		0.141	3.97	10	05/31/2023 01:01	WG2066955
Hexachloro-1,3-butadiene	U		0.134	3.97	10	05/31/2023 01:01	WG2066955
Hexachlorocyclopentadiene	U		0.209	3.97	10	05/31/2023 01:01	WG2066955
Hexachloroethane	U		0.156	3.97	10	05/31/2023 01:01	WG2066955
Indeno(1,2,3-cd)pyrene	U		0.112	0.397	10	05/31/2023 01:01	WG2066955
Isophorone	U		0.122	3.97	10	05/31/2023 01:01	WG2066955
Naphthalene	U		0.0998	0.397	10	05/31/2023 01:01	WG2066955
Nitrobenzene	U		0.138	3.97	10	05/31/2023 01:01	WG2066955
n-Nitrosodimethylamine	U		0.589	3.97	10	05/31/2023 01:01	WG2066955
n-Nitrosodiphenylamine	U		0.301	3.97	10	05/31/2023 01:01	WG2066955
n-Nitrosodi-n-propylamine	U		0.132	3.97	10	05/31/2023 01:01	WG2066955
Phenanthrene	U		0.0789	0.397	10	05/31/2023 01:01	WG2066955
Pyridine	U		0.263	3.97	10	05/31/2023 01:01	WG2066955
Benzylbutyl phthalate	U		0.124	3.97	10	05/31/2023 01:01	WG2066955
Bis(2-ethylhexyl)phthalate	2.45	J	0.504	3.97	10	05/31/2023 01:01	WG2066955
Di-n-butyl phthalate	U		0.136	3.97	10	05/31/2023 01:01	WG2066955
Diethyl phthalate	U		0.131	3.97	10	05/31/2023 01:01	WG2066955
Dimethyl phthalate	U		0.842	3.97	10	05/31/2023 01:01	WG2066955
Di-n-octyl phthalate	U		0.268	3.97	10	05/31/2023 01:01	WG2066955
Pyrene	0.445		0.0773	0.397	10	05/31/2023 01:01	WG2066955
1,2,4-Trichlorobenzene	U		0.124	3.97	10	05/31/2023 01:01	WG2066955
4-Chloro-3-methylphenol	U		0.129	3.97	10	05/31/2023 01:01	WG2066955
2-Chlorophenol	U		0.131	3.97	10	05/31/2023 01:01	WG2066955
2,4-Dichlorophenol	U		0.116	3.97	10	05/31/2023 01:01	WG2066955
2,4-Dimethylphenol	U		0.104	3.97	10	05/31/2023 01:01	WG2066955
4,6-Dinitro-2-methylphenol	U		0.901	3.97	10	05/31/2023 01:01	WG2066955
2,4-Dinitrophenol	U		0.930	3.97	10	05/31/2023 01:01	WG2066955
2-Methylphenol	U		0.119	3.97	10	05/31/2023 01:01	WG2066955
3&4-Methyl Phenol	U		0.124	3.97	10	05/31/2023 01:01	WG2066955
2-Nitrophenol	U		0.142	3.97	10	05/31/2023 01:01	WG2066955
4-Nitrophenol	U		0.124	3.97	10	05/31/2023 01:01	WG2066955
Pentachlorophenol	0.224	J	0.107	3.97	10	05/31/2023 01:01	WG2066955
Phenol	U		0.160	3.97	10	05/31/2023 01:01	WG2066955
2,4,6-Trichlorophenol	U		0.128	3.97	10	05/31/2023 01:01	WG2066955
2,4,5-Trichlorophenol	U		0.135	3.97	10	05/31/2023 01:01	WG2066955
(S) 2-Fluorophenol	*47.9*			*12.0-120*		*05/31/2023 01:01*	WG2066955
(S) Phenol-d5	*45.2*			*10.0-120*		*05/31/2023 01:01*	WG2066955
(S) Nitrobenzene-d5	*48.5*			*10.0-122*		*05/31/2023 01:01*	WG2066955
(S) 2-Fluorobiphenyl	*45.7*			*15.0-120*		*05/31/2023 01:01*	WG2066955
(S) 2,4,6-Tribromophenol	*50.1*			*10.0-127*		*05/31/2023 01:01*	WG2066955
(S) p-Terphenyl-d14	*59.1*			*10.0-120*		*05/31/2023 01:01*	WG2066955

Sample Narrative:

L1618622-04 WG2066955: Dilution due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	05/23/2023 11:27	WG2064806

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0201	0.0446	1	06/13/2023 21:58	WG2065317

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.53		0.112	1.12	5	05/23/2023 18:36	WG2065195
Barium	44.8		0.170	2.79	5	05/23/2023 18:36	WG2065195
Cadmium	0.129	J	0.0954	1.12	5	05/23/2023 18:36	WG2065195
Chromium	266		0.330	5.58	5	05/23/2023 18:36	WG2065195
Copper	26.9		0.147	5.58	5	05/23/2023 18:36	WG2065195
Lead	5.63		0.110	2.23	5	05/23/2023 18:36	WG2065195
Selenium	0.394	J	0.201	2.79	5	05/23/2023 18:36	WG2065195
Silver	U		0.0965	0.558	5	05/23/2023 18:36	WG2065195

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0462	0.0632	1.03	05/27/2023 09:36	WG2067552
Acrylonitrile	U		0.00457	0.0158	1.03	05/27/2023 09:36	WG2067552
Benzene	U		0.000591	0.00126	1.03	05/27/2023 09:36	WG2067552
Bromobenzene	U		0.00114	0.0158	1.03	05/27/2023 09:36	WG2067552
Bromodichloromethane	U		0.000917	0.00317	1.03	05/27/2023 09:36	WG2067552
Bromoform	U		0.00149	0.0317	1.03	05/27/2023 09:36	WG2067552
Bromomethane	U		0.00249	0.0158	1.03	05/27/2023 09:36	WG2067552
n-Butylbenzene	U		0.00664	0.0158	1.03	05/27/2023 09:36	WG2067552
sec-Butylbenzene	0.00472	J	0.00365	0.0158	1.03	05/27/2023 09:36	WG2067552
tert-Butylbenzene	U		0.00247	0.00632	1.03	05/27/2023 09:36	WG2067552
Carbon disulfide	U		0.000885	0.0158	1.03	05/27/2023 09:36	WG2067552
Carbon tetrachloride	U		0.00114	0.00632	1.03	05/27/2023 09:36	WG2067552
Chlorobenzene	U		0.000265	0.00317	1.03	05/27/2023 09:36	WG2067552
Chlorodibromomethane	U		0.000774	0.00317	1.03	05/27/2023 09:36	WG2067552
Chloroethane	U		0.00215	0.00632	1.03	05/27/2023 09:36	WG2067552
Chloroform	U		0.00130	0.00317	1.03	05/27/2023 09:36	WG2067552
Chloromethane	U		0.00550	0.0158	1.03	05/27/2023 09:36	WG2067552
2-Chlorotoluene	U		0.00109	0.00317	1.03	05/27/2023 09:36	WG2067552
4-Chlorotoluene	U		0.000570	0.00632	1.03	05/27/2023 09:36	WG2067552
1,2-Dibromo-3-Chloropropane	U	C3	0.00494	0.0317	1.03	05/27/2023 09:36	WG2067552
1,2-Dibromoethane	U		0.000819	0.00317	1.03	05/27/2023 09:36	WG2067552
Dibromomethane	U		0.000949	0.00632	1.03	05/27/2023 09:36	WG2067552
1,2-Dichlorobenzene	U		0.000538	0.00632	1.03	05/27/2023 09:36	WG2067552
1,3-Dichlorobenzene	U		0.000759	0.00632	1.03	05/27/2023 09:36	WG2067552
1,4-Dichlorobenzene	U		0.000885	0.00632	1.03	05/27/2023 09:36	WG2067552
Dichlorodifluoromethane	U		0.00204	0.00317	1.03	05/27/2023 09:36	WG2067552
1,1-Dichloroethane	U		0.000621	0.00317	1.03	05/27/2023 09:36	WG2067552
1,2-Dichloroethane	U		0.000820	0.00317	1.03	05/27/2023 09:36	WG2067552
1,1-Dichloroethene	U		0.000766	0.00317	1.03	05/27/2023 09:36	WG2067552
cis-1,2-Dichloroethene	U		0.000928	0.00317	1.03	05/27/2023 09:36	WG2067552
trans-1,2-Dichloroethene	U		0.00131	0.00632	1.03	05/27/2023 09:36	WG2067552
1,2-Dichloropropane	U		0.00179	0.00632	1.03	05/27/2023 09:36	WG2067552

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.00102	0.00317	1.03	05/27/2023 09:36	WG2067552
1,3-Dichloropropane	U		0.000634	0.00632	1.03	05/27/2023 09:36	WG2067552
cis-1,3-Dichloropropene	U		0.000958	0.00317	1.03	05/27/2023 09:36	WG2067552
trans-1,3-Dichloropropene	U		0.00144	0.00632	1.03	05/27/2023 09:36	WG2067552
2,2-Dichloropropane	U		0.00174	0.00317	1.03	05/27/2023 09:36	WG2067552
Di-isopropyl ether	U		0.000518	0.00126	1.03	05/27/2023 09:36	WG2067552
Ethylbenzene	0.00809		0.000932	0.00317	1.03	05/27/2023 09:36	WG2067552
Hexachloro-1,3-butadiene	U		0.00759	0.0317	1.03	05/27/2023 09:36	WG2067552
Isopropylbenzene	0.00193	J	0.000538	0.00317	1.03	05/27/2023 09:36	WG2067552
p-Isopropyltoluene	0.00693		0.00323	0.00632	1.03	05/27/2023 09:36	WG2067552
2-Butanone (MEK)	U		0.0803	0.126	1.03	05/27/2023 09:36	WG2067552
Methylene Chloride	0.0120	B J	0.00840	0.0317	1.03	05/27/2023 09:36	WG2067552
4-Methyl-2-pentanone (MIBK)	0.0120	J	0.00289	0.0317	1.03	05/27/2023 09:36	WG2067552
Methyl tert-butyl ether	U		0.000443	0.00126	1.03	05/27/2023 09:36	WG2067552
Naphthalene	0.0165	C3 J4	0.00618	0.0158	1.03	05/27/2023 09:36	WG2067552
n-Propylbenzene	0.00885		0.00120	0.00632	1.03	05/27/2023 09:36	WG2067552
Styrene	0.00829	B J	0.000290	0.0158	1.03	05/27/2023 09:36	WG2067552
1,1,1,2-Tetrachloroethane	U		0.00120	0.00317	1.03	05/27/2023 09:36	WG2067552
1,1,2,2-Tetrachloroethane	U		0.000879	0.00317	1.03	05/27/2023 09:36	WG2067552
1,1,2-Trichlorotrifluoroethane	U		0.000954	0.00317	1.03	05/27/2023 09:36	WG2067552
Tetrachloroethene	U		0.00113	0.00317	1.03	05/27/2023 09:36	WG2067552
Toluene	0.419		0.00165	0.00632	1.03	05/27/2023 09:36	WG2067552
1,2,3-Trichlorobenzene	U	C3 J4	0.00927	0.0158	1.03	05/27/2023 09:36	WG2067552
1,2,4-Trichlorobenzene	U	C3	0.00556	0.0158	1.03	05/27/2023 09:36	WG2067552
1,1,1-Trichloroethane	U		0.00117	0.00317	1.03	05/27/2023 09:36	WG2067552
1,1,2-Trichloroethane	U		0.000755	0.00317	1.03	05/27/2023 09:36	WG2067552
Trichloroethene	U		0.000739	0.00126	1.03	05/27/2023 09:36	WG2067552
Trichlorofluoromethane	U		0.00105	0.00317	1.03	05/27/2023 09:36	WG2067552
1,2,3-Trichloropropane	U		0.00205	0.0158	1.03	05/27/2023 09:36	WG2067552
1,2,4-Trimethylbenzene	0.0824		0.00200	0.00632	1.03	05/27/2023 09:36	WG2067552
1,2,3-Trimethylbenzene	0.0565		0.00200	0.00632	1.03	05/27/2023 09:36	WG2067552
1,3,5-Trimethylbenzene	0.0383		0.00253	0.00632	1.03	05/27/2023 09:36	WG2067552
Vinyl chloride	U		0.00146	0.00317	1.03	05/27/2023 09:36	WG2067552
Xylenes, Total	0.0530		0.00111	0.00823	1.03	05/27/2023 09:36	WG2067552
(S) Toluene-d8	*104*			*75.0-131*		*05/27/2023 09:36*	WG2067552
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/27/2023 09:36*	WG2067552
(S) 1,2-Dichloroethane-d4	*83.8*			*70.0-130*		*05/27/2023 09:36*	WG2067552

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.241	1.48	40	05/31/2023 01:42	WG2066955
Acenaphthylene	U		0.210	1.48	40	05/31/2023 01:42	WG2066955
Anthracene	U		0.264	1.48	40	05/31/2023 01:42	WG2066955
Benzo(a)anthracene	U		0.262	1.48	40	05/31/2023 01:42	WG2066955
Benzo(b)fluoranthene	U		0.277	1.48	40	05/31/2023 01:42	WG2066955
Benzo(k)fluoranthene	U		0.264	1.48	40	05/31/2023 01:42	WG2066955
Benzo(g,h,i)perylene	U		0.272	1.48	40	05/31/2023 01:42	WG2066955
Benzo(a)pyrene	U		0.277	1.48	40	05/31/2023 01:42	WG2066955
Bis(2-chlorethoxy)methane	U		0.446	14.8	40	05/31/2023 01:42	WG2066955
Bis(2-chloroethyl)ether	U		0.491	14.8	40	05/31/2023 01:42	WG2066955
2,2-Oxybis(1-Chloropropane)	U		0.643	14.8	40	05/31/2023 01:42	WG2066955
4-Bromophenyl-phenylether	U		0.522	14.8	40	05/31/2023 01:42	WG2066955
2-Chloronaphthalene	U		0.261	1.48	40	05/31/2023 01:42	WG2066955
4-Chlorophenyl-phenylether	U		0.518	14.8	40	05/31/2023 01:42	WG2066955
Chrysene	U		0.296	1.48	40	05/31/2023 01:42	WG2066955

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dibenz(a,h)anthracene	U		0.412	1.48	40	05/31/2023 01:42	WG2066955
3,3-Dichlorobenzidine	U		0.549	14.8	40	05/31/2023 01:42	WG2066955
2,4-Dinitrotoluene	U		0.426	14.8	40	05/31/2023 01:42	WG2066955
2,6-Dinitrotoluene	U		0.486	14.8	40	05/31/2023 01:42	WG2066955
Fluoranthene	U		0.268	1.48	40	05/31/2023 01:42	WG2066955
Fluorene	U		0.242	1.48	40	05/31/2023 01:42	WG2066955
Hexachlorobenzene	U		0.527	14.8	40	05/31/2023 01:42	WG2066955
Hexachloro-1,3-butadiene	U		0.500	14.8	40	05/31/2023 01:42	WG2066955
Hexachlorocyclopentadiene	U		0.781	14.8	40	05/31/2023 01:42	WG2066955
Hexachloroethane	U		0.585	14.8	40	05/31/2023 01:42	WG2066955
Indeno(1,2,3-cd)pyrene	U		0.419	1.48	40	05/31/2023 01:42	WG2066955
Isophorone	U		0.455	14.8	40	05/31/2023 01:42	WG2066955
Naphthalene	U		0.373	1.48	40	05/31/2023 01:42	WG2066955
Nitrobenzene	U		0.518	14.8	40	05/31/2023 01:42	WG2066955
n-Nitrosodimethylamine	U		2.21	14.8	40	05/31/2023 01:42	WG2066955
n-Nitrosodiphenylamine	U		1.13	14.8	40	05/31/2023 01:42	WG2066955
n-Nitrosodi-n-propylamine	U		0.495	14.8	40	05/31/2023 01:42	WG2066955
Phenanthrene	U		0.295	1.48	40	05/31/2023 01:42	WG2066955
Pyridine	U		0.982	14.8	40	05/31/2023 01:42	WG2066955
Benzylbutyl phthalate	U		0.464	14.8	40	05/31/2023 01:42	WG2066955
Bis(2-ethylhexyl)phthalate	4.07	J	1.89	14.8	40	05/31/2023 01:42	WG2066955
Di-n-butyl phthalate	U		0.509	14.8	40	05/31/2023 01:42	WG2066955
Diethyl phthalate	U		0.491	14.8	40	05/31/2023 01:42	WG2066955
Dimethyl phthalate	U		3.15	14.8	40	05/31/2023 01:42	WG2066955
Di-n-octyl phthalate	U		1.00	14.8	40	05/31/2023 01:42	WG2066955
Pyrene	0.460	J	0.289	1.48	40	05/31/2023 01:42	WG2066955
1,2,4-Trichlorobenzene	U		0.464	14.8	40	05/31/2023 01:42	WG2066955
4-Chloro-3-methylphenol	U		0.482	14.8	40	05/31/2023 01:42	WG2066955
2-Chlorophenol	U		0.491	14.8	40	05/31/2023 01:42	WG2066955
2,4-Dichlorophenol	U		0.433	14.8	40	05/31/2023 01:42	WG2066955
2,4-Dimethylphenol	U		0.388	14.8	40	05/31/2023 01:42	WG2066955
4,6-Dinitro-2-methylphenol	U		3.37	14.8	40	05/31/2023 01:42	WG2066955
2,4-Dinitrophenol	U		3.48	14.8	40	05/31/2023 01:42	WG2066955
2-Methylphenol	U		0.446	14.8	40	05/31/2023 01:42	WG2066955
3&4-Methyl Phenol	U		0.464	14.8	40	05/31/2023 01:42	WG2066955
2-Nitrophenol	U		0.531	14.8	40	05/31/2023 01:42	WG2066955
4-Nitrophenol	U		0.464	14.8	40	05/31/2023 01:42	WG2066955
Pentachlorophenol	U		0.399	14.8	40	05/31/2023 01:42	WG2066955
Phenol	U		0.598	14.8	40	05/31/2023 01:42	WG2066955
2,4,6-Trichlorophenol	U		0.477	14.8	40	05/31/2023 01:42	WG2066955
2,4,5-Trichlorophenol	U		0.504	14.8	40	05/31/2023 01:42	WG2066955
(S) 2-Fluorophenol	*41.0*	J7		*12.0-120*		*05/31/2023 01:42*	WG2066955
(S) Phenol-d5	*39.8*	J7		*10.0-120*		*05/31/2023 01:42*	WG2066955
(S) Nitrobenzene-d5	*65.8*	J7		*10.0-122*		*05/31/2023 01:42*	WG2066955
(S) 2-Fluorobiphenyl	*45.3*	J7		*15.0-120*		*05/31/2023 01:42*	WG2066955
(S) 2,4,6-Tribromophenol	*57.2*	J7		*10.0-127*		*05/31/2023 01:42*	WG2066955
(S) p-Terphenyl-d14	*51.1*	J7		*10.0-120*		*05/31/2023 01:42*	WG2066955

Sample Narrative:

L1618622-05 WG2066955: Dilution due to matrix.

Method Blank (MB)

(MB) R3928609-1 05/23/23 07:58

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1617431-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1617431-11 05/23/23 07:58 • (DUP) R3928609-3 05/23/23 07:58

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.1	97.1	1	0.0463		10

Laboratory Control Sample (LCS)

(LCS) R3928609-2 05/23/23 07:58

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3928601-1 05/23/23 11:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1618622-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1618622-04 05/23/23 11:27 • (DUP) R3928601-3 05/23/23 11:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.8	84.1	1	0.408		10

Laboratory Control Sample (LCS)

(LCS) R3928601-2 05/23/23 11:27

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3936390-1 06/13/23 20:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3936390-2 06/13/23 20:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.533	107	80.0-120	

L1618285-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1618285-06 06/13/23 20:58 • (MS) R3936390-3 06/13/23 21:01 • (MSD) R3936390-4 06/13/23 21:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.671	0.0311	1.00	0.933	145	135	1	75.0-125	J5	J5	6.93	20

Method Blank (MB)

(MB) R3928444-1 05/23/23 17:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Barium	U		0.152	2.50
Cadmium	U		0.0855	1.00
Chromium	U		0.297	5.00
Copper	U		0.133	5.00
Lead	0.152	J	0.0990	2.00
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500

Laboratory Control Sample (LCS)

(LCS) R3928444-2 05/23/23 17:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	97.1	97.1	80.0-120	
Barium	100	99.4	99.4	80.0-120	
Cadmium	100	99.4	99.4	80.0-120	
Chromium	100	97.5	97.5	80.0-120	
Copper	100	99.5	99.5	80.0-120	
Lead	100	98.8	98.8	80.0-120	
Selenium	100	102	102	80.0-120	
Silver	20.0	20.1	100	80.0-120	

L1619005-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1619005-01 05/23/23 17:49 • (MS) R3928444-5 05/23/23 17:59 • (MSD) R3928444-6 05/23/23 18:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	123	8.21	121	121	92.0	91.9	5	75.0-125			0.108	20
Barium	123	159	262	263	84.2	85.2	5	75.0-125			0.462	20
Cadmium	123	0.327	120	121	97.6	98.6	5	75.0-125			1.01	20
Chromium	123	29.9	141	132	90.1	82.9	5	75.0-125			6.53	20
Copper	123	15.6	133	128	95.5	91.9	5	75.0-125			3.35	20
Lead	123	16.9	137	138	97.7	98.7	5	75.0-125			0.858	20
Selenium	123	0.649	123	119	99.7	96.8	5	75.0-125			2.86	20
Silver	24.5	U	24.5	24.6	100	100	5	75.0-125			0.249	20

Method Blank (MB)

(MB) R3930962-3 05/27/23 07:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250

Method Blank (MB)

(MB) R3930962-3 05/27/23 07:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	0.00965	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	0.00365	J	0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3930962-1 05/27/23 06:27 • (LCSD) R3930962-2 05/27/23 06:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.860	0.706	138	113	10.0-160			19.7	31
Acrylonitrile	0.625	0.739	0.731	118	117	45.0-153			1.09	22
Benzene	0.125	0.116	0.115	92.8	92.0	70.0-123			0.866	20
Bromobenzene	0.125	0.109	0.119	87.2	95.2	73.0-121			8.77	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3930962-1 05/27/23 06:27 • (LCSD) R3930962-2 05/27/23 06:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.125	0.121	0.123	96.8	98.4	73.0-121			1.64	20
Bromoform	0.125	0.106	0.103	84.8	82.4	64.0-132			2.87	20
Bromomethane	0.125	0.110	0.109	88.0	87.2	56.0-147			0.913	20
n-Butylbenzene	0.125	0.112	0.101	89.6	80.8	68.0-135			10.3	20
sec-Butylbenzene	0.125	0.117	0.114	93.6	91.2	74.0-130			2.60	20
tert-Butylbenzene	0.125	0.111	0.115	88.8	92.0	75.0-127			3.54	20
Carbon disulfide	0.125	0.104	0.108	83.2	86.4	56.0-133			3.77	20
Carbon tetrachloride	0.125	0.115	0.118	92.0	94.4	66.0-128			2.58	20
Chlorobenzene	0.125	0.116	0.117	92.8	93.6	76.0-128			0.858	20
Chlorodibromomethane	0.125	0.109	0.108	87.2	86.4	74.0-127			0.922	20
Chloroethane	0.125	0.129	0.118	103	94.4	61.0-134			8.91	20
Chloroform	0.125	0.128	0.119	102	95.2	72.0-123			7.29	20
Chloromethane	0.125	0.125	0.117	100	93.6	51.0-138			6.61	20
2-Chlorotoluene	0.125	0.110	0.112	88.0	89.6	75.0-124			1.80	20
4-Chlorotoluene	0.125	0.109	0.114	87.2	91.2	75.0-124			4.48	20
1,2-Dibromo-3-Chloropropane	0.125	0.0829	0.0848	66.3	67.8	59.0-130			2.27	20
1,2-Dibromoethane	0.125	0.111	0.115	88.8	92.0	74.0-128			3.54	20
Dibromomethane	0.125	0.134	0.131	107	105	75.0-122			2.26	20
1,2-Dichlorobenzene	0.125	0.115	0.110	92.0	88.0	76.0-124			4.44	20
1,3-Dichlorobenzene	0.125	0.117	0.115	93.6	92.0	76.0-125			1.72	20
1,4-Dichlorobenzene	0.125	0.118	0.117	94.4	93.6	77.0-121			0.851	20
Dichlorodifluoromethane	0.125	0.103	0.106	82.4	84.8	43.0-156			2.87	20
1,1-Dichloroethane	0.125	0.127	0.123	102	98.4	70.0-127			3.20	20
1,2-Dichloroethane	0.125	0.135	0.130	108	104	65.0-131			3.77	20
1,1-Dichloroethene	0.125	0.120	0.120	96.0	96.0	65.0-131			0.000	20
cis-1,2-Dichloroethene	0.125	0.121	0.116	96.8	92.8	73.0-125			4.22	20
trans-1,2-Dichloroethene	0.125	0.111	0.114	88.8	91.2	71.0-125			2.67	20
1,2-Dichloropropane	0.125	0.123	0.117	98.4	93.6	74.0-125			5.00	20
1,1-Dichloropropene	0.125	0.123	0.124	98.4	99.2	73.0-125			0.810	20
1,3-Dichloropropane	0.125	0.112	0.112	89.6	89.6	80.0-125			0.000	20
cis-1,3-Dichloropropene	0.125	0.122	0.118	97.6	94.4	76.0-127			3.33	20
trans-1,3-Dichloropropene	0.125	0.109	0.113	87.2	90.4	73.0-127			3.60	20
2,2-Dichloropropane	0.125	0.121	0.115	96.8	92.0	59.0-135			5.08	20
Di-isopropyl ether	0.125	0.136	0.134	109	107	60.0-136			1.48	20
Ethylbenzene	0.125	0.116	0.118	92.8	94.4	74.0-126			1.71	20
Hexachloro-1,3-butadiene	0.125	0.108	0.0946	86.4	75.7	57.0-150			13.2	20
Isopropylbenzene	0.125	0.114	0.106	91.2	84.8	72.0-127			7.27	20
p-Isopropyltoluene	0.125	0.118	0.113	94.4	90.4	72.0-133			4.33	20
2-Butanone (MEK)	0.625	0.774	0.753	124	120	30.0-160			2.75	24
Methylene Chloride	0.125	0.116	0.115	92.8	92.0	68.0-123			0.866	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3930962-1 05/27/23 06:27 • (LCSD) R3930962-2 05/27/23 06:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.625	0.654	0.657	105	105	56.0-143			0.458	20
Methyl tert-butyl ether	0.125	0.116	0.116	92.8	92.8	66.0-132			0.000	20
Naphthalene	0.125	0.0671	0.0686	53.7	54.9	59.0-130	J4	J4	2.21	20
n-Propylbenzene	0.125	0.110	0.110	88.0	88.0	74.0-126			0.000	20
Styrene	0.125	0.112	0.104	89.6	83.2	72.0-127			7.41	20
1,1,1,2-Tetrachloroethane	0.125	0.106	0.105	84.8	84.0	74.0-129			0.948	20
1,1,2,2-Tetrachloroethane	0.125	0.101	0.107	80.8	85.6	68.0-128			5.77	20
1,1,2-Trichlorotrifluoroethane	0.125	0.112	0.109	89.6	87.2	61.0-139			2.71	20
Tetrachloroethene	0.125	0.120	0.126	96.0	101	70.0-136			4.88	20
Toluene	0.125	0.113	0.113	90.4	90.4	75.0-121			0.000	20
1,2,3-Trichlorobenzene	0.125	0.0744	0.0684	59.5	54.7	59.0-139		J4	8.40	20
1,2,4-Trichlorobenzene	0.125	0.0834	0.0787	66.7	63.0	62.0-137			5.80	20
1,1,1-Trichloroethane	0.125	0.131	0.122	105	97.6	69.0-126			7.11	20
1,1,2-Trichloroethane	0.125	0.112	0.113	89.6	90.4	78.0-123			0.889	20
Trichloroethene	0.125	0.126	0.131	101	105	76.0-126			3.89	20
Trichlorofluoromethane	0.125	0.118	0.116	94.4	92.8	61.0-142			1.71	20
1,2,3-Trichloropropane	0.125	0.107	0.117	85.6	93.6	67.0-129			8.93	20
1,2,4-Trimethylbenzene	0.125	0.110	0.110	88.0	88.0	70.0-126			0.000	20
1,2,3-Trimethylbenzene	0.125	0.113	0.109	90.4	87.2	74.0-124			3.60	20
1,3,5-Trimethylbenzene	0.125	0.111	0.109	88.8	87.2	73.0-127			1.82	20
Vinyl chloride	0.125	0.118	0.114	94.4	91.2	63.0-134			3.45	20
Xylenes, Total	0.375	0.345	0.324	92.0	86.4	72.0-127			6.28	20
(S) Toluene-d8				*100*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*104*	*99.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*109*	*111*	*70.0-130*				

Method Blank (MB)

(MB) R3929868-2 05/26/23 14:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Pyridine	U		0.0220	0.333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R3929868-2 05/26/23 14:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
(S) 2-Fluorophenol	*61.1*			*12.0-120*
(S) Phenol-d5	*52.4*			*10.0-120*
(S) Nitrobenzene-d5	*48.6*			*10.0-122*
(S) 2-Fluorobiphenyl	*59.8*			*15.0-120*
(S) 2,4,6-Tribromophenol	*58.4*			*10.0-127*
(S) p-Terphenyl-d14	*67.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R3929868-1 05/26/23 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.350	52.6	38.0-120	
Acenaphthylene	0.666	0.393	59.0	40.0-120	
Anthracene	0.666	0.389	58.4	42.0-120	
Benzo(a)anthracene	0.666	0.429	64.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.423	63.5	43.0-120	
Benzo(k)fluoranthene	0.666	0.417	62.6	44.0-120	
Benzo(g,h,i)perylene	0.666	0.446	67.0	43.0-120	
Benzo(a)pyrene	0.666	0.453	68.0	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.285	42.8	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.271	40.7	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.350	52.6	23.0-120	

Laboratory Control Sample (LCS)

(LCS) R3929868-1 05/26/23 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Bromophenyl-phenylether	0.666	0.386	58.0	40.0-120	
2-Chloronaphthalene	0.666	0.360	54.1	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.397	59.6	40.0-120	
Chrysene	0.666	0.422	63.4	43.0-120	
Dibenz(a,h)anthracene	0.666	0.464	69.7	44.0-120	
3,3-Dichlorobenzidine	1.33	0.772	58.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.410	61.6	45.0-120	
2,6-Dinitrotoluene	0.666	0.381	57.2	42.0-120	
Fluoranthene	0.666	0.403	60.5	44.0-120	
Fluorene	0.666	0.373	56.0	41.0-120	
Hexachlorobenzene	0.666	0.397	59.6	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.326	48.9	15.0-120	
Hexachlorocyclopentadiene	0.666	0.409	61.4	15.0-120	
Hexachloroethane	0.666	0.335	50.3	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.434	65.2	45.0-120	
Isophorone	0.666	0.276	41.4	23.0-120	
Naphthalene	0.666	0.310	46.5	18.0-120	
Nitrobenzene	0.666	0.283	42.5	17.0-120	
n-Nitrosodimethylamine	0.666	0.259	38.9	10.0-125	
n-Nitrosodiphenylamine	0.666	0.359	53.9	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.322	48.3	26.0-120	
Phenanthrene	0.666	0.384	57.7	42.0-120	
Pyridine	0.666	0.213	32.0	10.0-120	
Benzylbutyl phthalate	0.666	0.420	63.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.426	64.0	41.0-120	
Di-n-butyl phthalate	0.666	0.397	59.6	43.0-120	
Diethyl phthalate	0.666	0.389	58.4	43.0-120	
Dimethyl phthalate	0.666	0.392	58.9	43.0-120	
Di-n-octyl phthalate	0.666	0.415	62.3	40.0-120	
Pyrene	0.666	0.392	58.9	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.331	49.7	17.0-120	
4-Chloro-3-methylphenol	0.666	0.300	45.0	28.0-120	
2-Chlorophenol	0.666	0.367	55.1	28.0-120	
2,4-Dichlorophenol	0.666	0.323	48.5	25.0-120	
2,4-Dimethylphenol	0.666	0.313	47.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.354	53.2	16.0-120	
2,4-Dinitrophenol	0.666	0.304	45.6	10.0-120	
2-Methylphenol	0.666	0.365	54.8	35.0-120	
3&4-Methyl Phenol	0.666	0.403	60.5	42.0-120	
2-Nitrophenol	0.666	0.330	49.5	20.0-120	

Laboratory Control Sample (LCS)

(LCS) R3929868-1 05/26/23 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Nitrophenol	0.666	0.426	64.0	27.0-120	
Pentachlorophenol	0.666	0.414	62.2	29.0-120	
Phenol	0.666	0.337	50.6	28.0-120	
2,4,6-Trichlorophenol	0.666	0.374	56.2	37.0-120	
2,4,5-Trichlorophenol	0.666	0.323	48.5	38.0-120	
(S) 2-Fluorophenol			*55.9*	*12.0-120*	
(S) Phenol-d5			*50.6*	*10.0-120*	
(S) Nitrobenzene-d5			*35.4*	*10.0-122*	
(S) 2-Fluorobiphenyl			*55.3*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*59.5*	*10.0-127*	
(S) p-Terphenyl-d14			*60.7*	*10.0-120*	

L1618604-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1618604-06 05/26/23 17:42 • (MS) R3929868-3 05/26/23 18:03 • (MSD) R3929868-4 05/26/23 18:24

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.741	U	0.346	0.392	46.7	53.7	1	18.0-120			12.4	32
Acenaphthylene	0.741	U	0.378	0.426	51.1	58.4	1	25.0-120			11.9	32
Anthracene	0.741	U	0.466	0.522	63.0	71.6	1	22.0-120			11.3	29
Benzo(a)anthracene	0.741	U	0.489	0.580	66.0	79.5	1	25.0-120			17.1	29
Benzo(b)fluoranthene	0.741	U	0.461	0.523	62.2	71.7	1	19.0-122			12.7	31
Benzo(k)fluoranthene	0.741	U	0.436	0.508	58.9	69.6	1	23.0-120			15.1	30
Benzo(g,h,i)perylene	0.741	U	0.460	0.537	62.0	73.5	1	10.0-120			15.5	33
Benzo(a)pyrene	0.741	U	0.506	0.580	68.2	79.5	1	24.0-120			13.8	30
Bis(2-chlorethoxy)methane	0.741	U	0.290	0.309	39.2	42.4	1	10.0-120			6.33	34
Bis(2-chloroethyl)ether	0.741	U	0.627	0.701	84.6	96.0	1	10.0-120			11.1	40
2,2-Oxybis(1-Chloropropane)	0.741	U	0.295	0.346	39.8	47.4	1	10.0-120			16.0	40
4-Bromophenyl-phenylether	0.741	U	0.434	0.482	58.6	66.1	1	27.0-120			10.5	30
2-Chloronaphthalene	0.741	U	0.334	0.378	45.0	51.8	1	20.0-120			12.5	32
4-Chlorophenyl-phenylether	0.741	U	0.414	0.478	55.9	65.4	1	24.0-120			14.3	29
Chrysene	0.741	U	0.476	0.557	64.3	76.3	1	21.0-120			15.6	29
Dibenz(a,h)anthracene	0.741	U	0.499	0.566	67.3	77.5	1	10.0-120			12.6	32
3,3-Dichlorobenzidine	1.48	U	0.998	1.17	67.2	80.2	1	10.0-120			16.0	34
2,4-Dinitrotoluene	0.741	U	0.468	0.545	63.1	74.6	1	30.0-120			15.2	31
2,6-Dinitrotoluene	0.741	U	0.429	0.485	57.8	66.5	1	25.0-120			12.5	31
Fluoranthene	0.741	U	0.487	0.553	65.7	75.8	1	18.0-126			12.9	32
Fluorene	0.741	U	0.397	0.445	53.6	61.0	1	25.0-120			11.4	30
Hexachlorobenzene	0.741	U	0.440	0.519	59.3	71.1	1	27.0-120			16.5	28

L1618604-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1618604-06 05/26/23 17:42 • (MS) R3929868-3 05/26/23 18:03 • (MSD) R3929868-4 05/26/23 18:24

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	0.741	U	0.249	0.291	33.6	39.9	1	10.0-120			15.7	38
Hexachlorocyclopentadiene	0.741	U	U	U	1.73	2.13	1	10.0-120	J6	J6	18.9	40
Hexachloroethane	0.741	U	0.195	0.240	26.4	32.9	1	10.0-120			20.5	40
Indeno(1,2,3-cd)pyrene	0.741	U	0.476	0.548	64.3	75.1	1	10.0-120			13.9	32
Isophorone	0.741	U	0.282	0.300	38.1	41.1	1	13.0-120			6.13	34
Naphthalene	0.741	U	0.261	0.304	35.2	41.6	1	10.0-120			15.0	35
Nitrobenzene	0.741	U	0.261	0.297	35.2	40.7	1	10.0-120			12.8	36
n-Nitrosodimethylamine	0.741	U	0.233	0.277	31.5	37.9	1	10.0-127			17.1	40
n-Nitrosodiphenylamine	0.741	U	0.431	0.488	58.1	66.8	1	17.0-120			12.4	29
n-Nitrosodi-n-propylamine	0.741	U	0.321	0.346	43.4	47.4	1	10.0-120			7.36	37
Phenanthrene	0.741	U	0.455	0.509	61.4	69.7	1	17.0-120			11.1	31
Pyridine	0.741	U	0.241	0.230	32.5	31.5	1	10.0-120			4.74	40
Benzylbutyl phthalate	0.741	U	0.519	0.620	70.0	85.0	1	23.0-120			17.8	30
Bis(2-ethylhexyl)phthalate	0.741	U	0.508	0.599	68.5	82.1	1	17.0-126			16.5	30
Di-n-butyl phthalate	0.741	U	0.488	0.551	65.8	75.5	1	30.0-120			12.2	29
Diethyl phthalate	0.741	U	0.458	0.509	61.7	69.7	1	26.0-120			10.6	28
Dimethyl phthalate	0.741	U	0.404	0.468	54.5	64.1	1	25.0-120			14.6	29
Di-n-octyl phthalate	0.741	U	0.517	0.620	69.7	85.0	1	21.0-123			18.3	29
Pyrene	0.741	U	0.453	0.532	61.1	72.9	1	16.0-121			16.1	32
1,2,4-Trichlorobenzene	0.741	U	0.270	0.302	36.4	41.4	1	12.0-120			11.3	37
4-Chloro-3-methylphenol	0.741	U	0.187	0.311	25.3	42.7	1	15.0-120		J3	49.7	30
2-Chlorophenol	0.741	U	0.364	0.384	49.1	52.6	1	15.0-120			5.37	37
2,4-Dichlorophenol	0.741	U	0.336	0.357	45.3	48.9	1	20.0-120			6.12	31
2,4-Dimethylphenol	0.741	U	0.279	0.315	37.7	43.1	1	10.0-120			12.0	33
4,6-Dinitro-2-methylphenol	0.741	U	0.481	0.555	64.9	76.0	1	10.0-120			14.2	39
2,4-Dinitrophenol	0.741	U	0.481	0.545	64.9	74.6	1	10.0-121			12.4	40
2-Methylphenol	0.741	U	0.281	0.356	38.0	48.8	1	11.0-120			23.5	40
3&4-Methyl Phenol	0.741	U	0.146	0.223	19.7	30.6	1	12.0-123		J3	41.7	38
2-Nitrophenol	0.741	U	0.347	0.388	46.8	53.2	1	12.0-120			11.2	39
4-Nitrophenol	0.741	U	0.479	0.536	64.6	73.4	1	10.0-137			11.2	32
Pentachlorophenol	0.741	U	0.506	0.555	68.2	76.0	1	10.0-160			9.26	31
Phenol	0.741	U	0.0832	0.142	11.2	19.4	1	12.0-120	J6	J3	52.0	38
2,4,6-Trichlorophenol	0.741	U	0.368	0.414	49.7	56.7	1	19.0-120			11.7	32
2,4,5-Trichlorophenol	0.741	U	0.347	0.384	46.8	52.6	1	20.0-120			10.1	30
(S) 2-Fluorophenol					*52.9*	*57.5*		*12.0-120*				
(S) Phenol-d5					*12.0*	*19.7*		*10.0-120*				
(S) Nitrobenzene-d5					*37.7*	*42.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*47.0*	*55.4*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*60.1*	*67.3*		*10.0-127*				

L1618604-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1618604-06 05/26/23 17:42 • (MS) R3929868-3 05/26/23 18:03 • (MSD) R3929868-4 05/26/23 18:24

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) p-Terphenyl-d14					*66.0*	*76.1*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

State of Oregon Chain of Custody

H089

Agency, Authorized Purchaser or Agent: KILLIAN CONDON, EUGENE OFFICE

Send Lab Report To:
Address:
165 E. 7th Ave. Suite 100
Eugene, OR 97401

Tel. #: 541-321-3178
E-mail:
killian.condon@deq.oregon.gov

Contract Laboratory Name:

Lab Batch #:

Invoice To:
Killian
Condon
Address: See overleaf

Tel. #:541-321-3178

Lab Selection Crit
- ☐ Proximity (if TAT < 48 hrs)
- ☐ Prior work on same project
- ☐ Cost (for anticipated analyses)
- ☐ Other labs disqualified or unable to perform requested services
- ☐ Emergency work

Turn Around Time:
- ☒ 10 days (std.)
- ☐ 5 days
- ☐ 72 hours
- ☐ 48 hours
- ☐ 24 hours
- ☐ Other _____

Project Name:
Project #: NW Gazebo

Sampler Name: Killian Condon & Aubree Minten

L1618622

Sample ID#	Collection Date/Time	Matrix	Number of Containers	Sample Preservative	VOCs	SVOCs	Cu + RCRA 8	Dioxin Furans	Comments
				X	Requested Analyses				
SS-1	5.18.23/1454	SL	4		X	X	X	X	All totals. No TCLP -01
SS-2	/1500	SL	3		X	X		X	-02
SS-3	/1510	SL	~~4~~ 3		X	X	X		-03
SS-4	/1520	SL	~~3~~ 4		X	X	X	X	-04
SS-5	/1525	SL	4		X	X	X	X	-05
		SL							
		SL							

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	X N	0.5 to 20.5	NSAT
RAD Screen <0.5 mR/hr:	Y N		

Notes: **Oil-soaked soils** SS-1 & SS-5 strong odor.

Relinquished By: KILLIAN CONDON	Agency/Agent: DEQ	Received By: (18)	Agency/Agent: PACE
Signature:	Time & Date: 5.19.23 / 11:00	Signature:	Time & Date: 5/20/23 0920
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature:	Time & Date:

ANALYTICAL REPORT

June 28, 2023

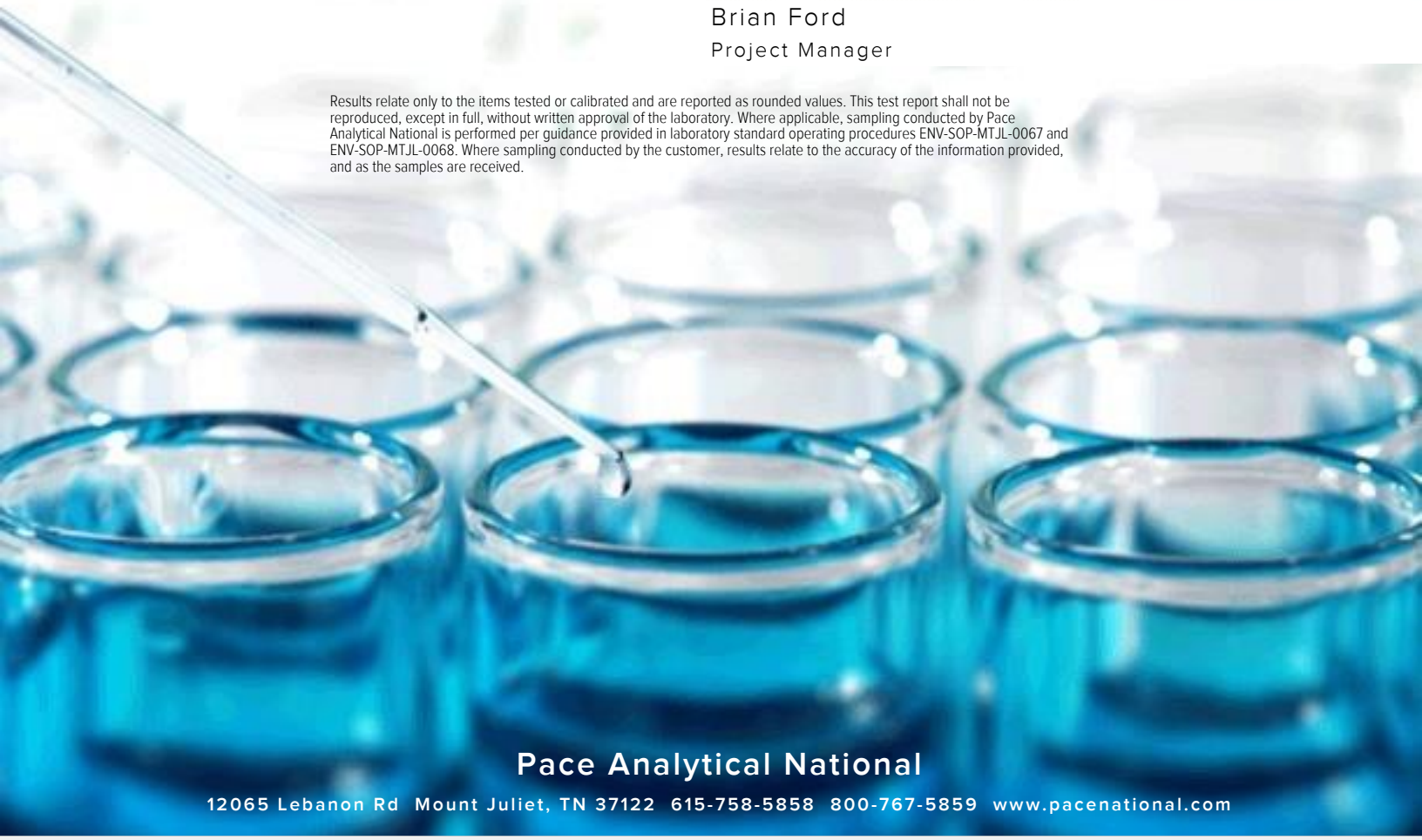
Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group:	L1618634
Samples Received:	05/20/2023
Project Number:	NW GAZEBO
Description:	NW GAZEBO
Report To:	Killian Condon

Entire Report Reviewed By:

Brian Ford

Project Manager



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SS-1 L1618634-01 Solid

Collected by: KC/AM
Collected date/time: 05/18/23 14:54
Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2064364	1	06/26/23 00:00	06/26/23 00:00	-	Minneapolis, MN 55414

SS-2 L1618634-02 Solid

Collected by: KC/AM
Collected date/time: 05/18/23 15:00
Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2064364	1	06/26/23 00:00	06/26/23 00:00	-	Minneapolis, MN 55414

SS-4 L1618634-03 Solid

Collected by: KC/AM
Collected date/time: 05/18/23 15:20
Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2064364	1	06/26/23 00:00	06/26/23 00:00	-	Minneapolis, MN 55414

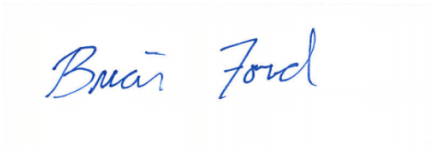
SS-5 L1618634-04 Solid

Collected by: KC/AM
Collected date/time: 05/18/23 15:25
Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2064364	1	06/26/23 00:00	06/26/23 00:00	-	Minneapolis, MN 55414

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Brian Ford
Project Manager

Project Narrative

L1618634 -01, -02, -03, -04 contains subout data that is included after the chain of custody.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

SDG	Sample Delivery Group.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

State of Oregon Chain of Custody

H089

Agency, Authorized Purchaser or Agent: KILLIAN CONDON, EUGENE OFFICE

Contract Laboratory Name:

Lab Batch #:

Lab Selection Criteria:
- ☐ Proximity (if TAT < 48 hrs)
- ☐ Prior work on same project
- ☐ Cost (for anticipated analyses)
- ☐ Other labs disqualified or unable to perform requested services
- ☐ Emergency work

Turn Around Time:
- ☒ 10 days (std.)
- ☐ 5 days
- ☐ 72 hours
- ☐ 48 hours
- ☐ 24 hours
- ☐ Other _____

Send Lab Report To:
Address:
165 E. 7th Ave. Suite 100
Eugene, OR 97401

Tel. #: 541-321-3178
E-mail:
killian.condon@deq.oregon.gov

Invoice To:
Killian Condon
Address: See overleaf
Tel. #:541-321-3178

Project Name:
Project #: NW Gazebo

Sampler Name: Killian Condon & Aubree Minten

Sample Preservative

X									

L1618634

Requested Analyses

Sample ID#	Collection Date/Time	Matrix	Number of Containers	VOCs	SVOCs	Cu + RCRA 8	Dioxin Furans						Comments
SS-1	5.18.23/1454	SL	4	X	X	X	X						All totals. No TCLP -01
SS-2	/1500	SL	3	X	X		X						-02
SS-3	/1510	SL	~~4~~ 3	X	X	X							
SS-4	/1520	SL	~~3~~ 4	X	X	X	X						-03
SS-5	/1525	SL	4	X	X	X	X						-04
		SL											
		SL											
		SL											

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N	0.5 to 20.5 NSA7	
RAD Screen <0.5 mR/hr:	Y N		

Notes: **Oil-soaked soils** SS-1 & SS-5 strong odor.

Relinquished By: KILLIAN CONDON	Agency/Agent: DEQ	Received By: (18)	Agency/Agent: PACE
Signature:	Time & Date: 5.19.23 / 11:00	Signature:	Time & Date: 5/20/23 0920
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature:	Time & Date:

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Report Prepared for:

Client Services
Pace Analytical National
12065 Lebanon Rd
Mt. Juliet TN 37122

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Information:

Pace Project #: 10655422
Sample Receipt Date: 06/01/2023
Client Project #: L1618634 WG2064364
Client Sub PO #: L1618634
State Cert #: N/A

Invoicing & Reporting Options:

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

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

This report has been reviewed by:

June 27, 2023

Kongmeng Vang, Project Manager
(612) 607-6382
(612) 607-6444 (fax)
kongmeng.vang@pacelabs.com

Report Prepared Date:
June 27, 2023

Report of Laboratory Analysis

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analyses performed on four samples submitted by a representative of Pace Analytical National. The samples were analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8290. The estimated detection limits (EDLs) were based on signal-to-noise measurements. Estimated maximum possible concentration (EMPC) values were treated as positives in the toxic equivalence calculations.

Second column confirmation analyses of 2,3,7,8-TCDF values obtained from the primary (DB5-MS) column are performed only when specifically requested for a project and only when the values are above the concentration of the lowest calibration standard. Typical resolution for this isomer using the DB5-MS column ranges from 25-30%.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 27-140%. Except for fourteen values, which were flagged "R" on the results tables, the labeled internal standard recoveries obtained for this project were within the 40-135% target range specified in Method 8290. Since the quantification of the native congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

Values were flagged "I" where incorrect isotope ratios were obtained or "P" where polychlorinated diphenyl ethers were present. Concentrations below the calibration range were flagged "J" and should be regarded as estimates. Concentrations above the calibration range were flagged "E" and should also be regarded as estimates. Values obtained from analyses of diluted extracts were flagged "D" and "N2"

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show that PCDDs and PCDFs were not detected.

A laboratory spike sample was also prepared using clean reference matrix that had been fortified with native standard materials. The results showed that the spiked native compounds were recovered at 98-120%. These results were within the target range for the method. Matrix spikes were prepared with the extraction batch using sample material from a separate project; results from these analyses will be provided upon request.

The responses obtained for selected native or labeled congeners in calibration standard analysis L230623B_18 were outside the target ranges. As specified in our procedures for this method, the averages of the daily response factors for these compounds were used in the calculations for the samples from this runshift. The affected values were flagged "Y" on the results tables.

REPORT OF LABORATORY ANALYSIS

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

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

Minnesota Laboratory Certifications

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

REPORT OF LABORATORY ANALYSIS

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

Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

WO# : 10655422

10655422

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A — Required Client Information:

Company: Pace Analytical
Address: 12065 Lebanon Rd.
Mt. Juliet, TN 37122
Email: MTJLSuboutTeam@pacelabs.com
Phone: (615) 773-9756 Fax: (615) 758-5859
Requested Due Date: 30-May

Required Project Information:

Report To: Pace Analytical Subout Team
Copy To:
Purchase Order #: L1618634
Project Name: NW GAZEBO
Project #: NW GAZEBO

Section C — Invoice Information:

Attention: Killian Condon
Company Name:
Address:
Pace Quote:
Pace Project Manager: Kongmeng Vang
Pace Profile #: 38076

Regulatory Agency:
State / Location: OR

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Dioxins/Furans 8290	Residual Chlorine (Y/N)	
1	SS-1	SL				18-May	14:54		1	1									X		001
2	SS-2	SL				18-May	15:00		1	1									X		002
3	SS-4	SL				18-May	15:20		1	1									X		003
4	SS-5	SL				18-May	15:25		1	1									X		004
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Angela Ford	30-May	16:14	pace	6/1/23	850	1.7	Y	Y	Y
Pace Analytical Batch: WG2064364										
Pace Analytical SDGs: L1618634										
Location: Minneapolis, MN 55414										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Report to: SW8290FC L2.dfr

Sample Condition Upon Receipt

Client Name: Pace Nat'l

Project #: **WO#: 10655422**

PM: KV **Due Date: 06/22/23**

CLIENT: ESC_TN

Courier: ☑ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 6525 5564 0964 ☐ See Exceptions ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other **Temp Blank?** ☑ Yes ☐ No

Thermometer: ☐ T1 (0461) ☑ T2 (0436) ☐ T3 (0459) ☐ T4 (0402) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9(0727) ☐ 01339252/1710 **Type of Ice:** ☑ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☑ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6 °C **Cooler temp Read w/Temp Blank:** 1.5 °C

Correction Factor: +0.2 **Cooler Temp Corrected w/temp blank:** 1.7 °C

Average Corrected Temp (no temp blank only): _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☐ N/A, water sample/other: _____)

Date/Initials of Person Examining Contents: MK4 6/1/23

Did samples originate in a quarantine zone within the United States: AL, AR, AZ CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

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

Location (Check one): ☐ Duluth ☑ Minneapolis ☐ Virginia

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

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____ **Date:** 6/1/23

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

Labeled By: MK4 **Line:** 2

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-MIN4-0154 v02_USDA Regulated Soil Checklist
	Effective Date: 08/19/2022

USDA Regulated Soil Checklist

To be Completed by Sample Receiving:

WO: 10655422 **Date:** 6/1/23 **Initials:** MK4

Sample Origin (check one): ☒ DOMESTIC KV 6/1/23 ☐ QUARANTINED ☐ FOREIGN

NOTE: Soil samples from Hawaii, Guam, Puerto Rico, and the US Virgin Islands are Foreign originated.

If **DOMESTIC**, circle state of origin: AL AR AZ CA FL GA LA MS NC NM NY OK (OR) SC TN TX VA

Includes: IFA, SOD, Golden Nematode, Karnal Bunt, and Witchweed List County: Yamhill

(USDA Permit/Compliance Agreement authorizes movement of samples from these domestic regulated zones)

If **QUARANTINED**, circle state of origin: CA ID NY TX

Includes: Fruit Fly and Pale Cyst Nematode List County: _____

(Movement is not authorized for Pale Cyst Nematode (ID)—remaining quarantines require additional paperwork)

If **FOREIGN**, list country of origin: _____

(Movement from some Canadian Provinces is not allowed. Refer to ENV-FRM-MIN4-0137 *Regulated Soil Flow Chart*)

REQUIREMENT	ACTION	COMPLETED		
PPQ-530 Paperwork must be included for any samples from counties with a Fruit Fly Quarantine in CA, NY, and TX. Reference ENV-SOP-MIN4-0095.	Scan PPQ-530 to the corresponding Project folder on the X:drive. If PPQ-530 is not present, contact the laboratory's designated USDA permit holder. **Do NOT continue processing samples.**	YES	NO	(N/A)
Samples from ID may not be moved from the quarantined region. Reference ENV-SOP-MIN4-0095.	If samples originated in a quarantined zone, contact the laboratory's designated USDA permit holder. **Do NOT continue processing samples.**	YES	NO	(N/A)

REQUIREMENT	ACTION	COMPLETED		
"Special Handling" stickers are to be placed on all samples.	Did "special handling" stickers get placed on all sample containers?	YES	NO	(N/A)
Samples must be segregated and stored in designated bins, shelves, and coolers.	Were samples placed in a designated cooler, containers, and shelves?	YES	NO	(N/A)
Samples must be double contained to prevent accidental release.	Were there any signs of breakage or leakage (check for broken glass and/or loose soil in the cooler)? *NOTE: If NO, ice and melt water can be disposed of by normal process (ex: down the drain).*	YES	NO	(N/A)
	If **YES**, were ice and melt water separated from the cooler and disposed of properly?	YES	NO	(N/A)
	Any broken glass and/or loose soil are to be bagged and placed in a USDA Regulated satellite container or active drum (see Waste Coordinator). **Ice and melt water should be baked at a temperature range of 121-154°F for 2 hours and then cooled before going down the drain.**			
Equipment and supplies that have come into contact samples must be decontaminated.	Was the cooler(s) and/or countertop(s) decontaminated using either a fresh 10% bleach solution or 70% ethanol? (Gloves and other lab supplies will be bagged and placed in the USDA Regulated satellite container or active drum).	YES	(NO)	

COMMENTS:

Pace ANALYTICAL SERVICES	**DC#_Title: ENV-FRM-MIN4-0154 v02_USDA Regulated Soil Checklist**
	Effective Date: 08/19/2022

To be Completed by Project Management (PM and/or PC):

Sample analysis will be conducted (circle all that apply): MN Subcontract Lab

If **subcontract**, list lab(s): _____

REQUIREMENT	ACTION	COMPLETED		
Permission to ship untreated soil must be on file prior to shipping to any subcontract lab, including IR Pace Labs.	Go to: *S:\CLIENTSVR\10_Client Services Department Documents\Regulated Soils Permits\Permission to Ship* If permission to ship letter is not there, contact the laboratory's designated USDA permit holder.	YES	NO	N/A
Shipment must include a valid copy of the receiving lab's permit as well as permission to ship letter.	Is a copy of all needed paperwork included with the COC? **Do NOT ship samples until all necessary paperwork is compiled.**	YES	NO	N/A

COMMENTS:

_____

PM Signature: _____ **Date:** 6/1/23

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

Reporting Flags

A = Reporting Limit based on signal to noise (EDL)

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

H2 = Extracted outside of holding time

I = Isotope ratio out of specification

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

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

Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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

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

Method 8290 Sample Analysis Results

Client - Pace Analytical National

Client's Sample ID	SS-1		
Lab Sample ID	10655422001		
Filename	L230623B_08		
Injected By	JRH		
Total Amount Extracted	15.1 g	Matrix	Solid
% Moisture	18.8	Dilution	NA
Dry Weight Extracted	12.3 g	Collected	05/18/2023 14:54
ICAL ID	L230613	Received	06/01/2023 08:50
CCal Filename(s)	L230623B_02 & L230623B_18	Extracted	06/05/2023 14:25
Method Blank ID	BLANK-106615	Analyzed	06/23/2023 16:29

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	1.2	-----	0.43		2,3,7,8-TCDF-13C	2.00	54	
Total TCDF	2.5	-----	0.43		2,3,7,8-TCDD-13C	2.00	58	
					1,2,3,7,8-PeCDF-13C	2.00	44	
2,3,7,8-TCDD	0.90	-----	0.49		2,3,4,7,8-PeCDF-13C	2.00	44	
Total TCDD	9.9	-----	0.49		1,2,3,7,8-PeCDD-13C	2.00	49	
					1,2,3,4,7,8-HxCDF-13C	2.00	77	
1,2,3,7,8-PeCDF	1.3	-----	0.72	J	1,2,3,6,7,8-HxCDF-13C	2.00	60	
2,3,4,7,8-PeCDF	2.6	-----	0.87	J	2,3,4,6,7,8-HxCDF-13C	2.00	60	
Total PeCDF	58	-----	0.72		1,2,3,7,8,9-HxCDF-13C	2.00	56	
					1,2,3,4,7,8-HxCDD-13C	2.00	67	
1,2,3,7,8-PeCDD	9.0	-----	0.92		1,2,3,6,7,8-HxCDD-13C	2.00	51	
Total PeCDD	47	-----	0.92		1,2,3,4,6,7,8-HpCDF-13C	2.00	34	R
					1,2,3,4,7,8,9-HpCDF-13C	2.00	31	R
1,2,3,4,7,8-HxCDF	2.6	-----	0.98	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	34	R
1,2,3,6,7,8-HxCDF	3.4	-----	1.1	J	OCDD-13C	4.00	27	RY
2,3,4,6,7,8-HxCDF	-----	3.7	1.1	IJ				
1,2,3,7,8,9-HxCDF	ND	-----	1.5		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	100	-----	0.98		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	7.4	-----	0.69		2,3,7,8-TCDD-37Cl4	0.20	51	
1,2,3,6,7,8-HxCDD	27	-----	0.38					
1,2,3,7,8,9-HxCDD	16	-----	0.88					
Total HxCDD	200	-----	0.38					
1,2,3,4,6,7,8-HpCDF	55	-----	1.6		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	3.9		Equivalence: 21 ng/Kg			
Total HpCDF	130	-----	1.6		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	280	-----	0.96					
Total HpCDD	580	-----	0.96					
OCDF	150	-----	7.2	Y				
OCDD	2000	-----	2.9					

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

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

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
R = Recovery outside target range
I = Isotope ratio out of specification
Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

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

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

Method 8290 Sample Analysis Results

Client - Pace Analytical National

Client's Sample ID	SS-2		
Lab Sample ID	10655422002		
Filename	L230623B_09		
Injected By	JRH		
Total Amount Extracted	14.1 g	Matrix	Solid
% Moisture	27.0	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	05/18/2023 15:00
ICAL ID	L230613	Received	06/01/2023 08:50
CCal Filename(s)	L230623B_02 & L230623B_18	Extracted	06/05/2023 14:25
Method Blank ID	BLANK-106615	Analyzed	06/23/2023 17:14

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	1.9	-----	0.39		2,3,7,8-TCDF-13C	2.00	59	
Total TCDF	13	-----	0.39		2,3,7,8-TCDD-13C	2.00	64	
					1,2,3,7,8-PeCDF-13C	2.00	56	
2,3,7,8-TCDD	2.1	-----	0.29		2,3,4,7,8-PeCDF-13C	2.00	53	
Total TCDD	14	-----	0.29		1,2,3,7,8-PeCDD-13C	2.00	53	
					1,2,3,4,7,8-HxCDF-13C	2.00	140	RDN2
1,2,3,7,8-PeCDF	2.5	-----	0.27	J	1,2,3,6,7,8-HxCDF-13C	2.00	120	DN2
2,3,4,7,8-PeCDF	5.7	-----	0.27		2,3,4,6,7,8-HxCDF-13C	2.00	127	DN2
Total PeCDF	92	-----	0.27		1,2,3,7,8,9-HxCDF-13C	2.00	71	DN2
					1,2,3,4,7,8-HxCDD-13C	2.00	125	DN2
1,2,3,7,8-PeCDD	17	-----	1.1		1,2,3,6,7,8-HxCDD-13C	2.00	115	DN2
Total PeCDD	83	-----	1.1		1,2,3,4,6,7,8-HpCDF-13C	2.00	108	DN2
					1,2,3,4,7,8,9-HpCDF-13C	2.00	104	DN2
1,2,3,4,7,8-HxCDF	11	-----	2.1	JDN2	1,2,3,4,6,7,8-HpCDD-13C	2.00	131	DN2
1,2,3,6,7,8-HxCDF	7.2	-----	1.9	JDN2	OCDD-13C	4.00	108	DN2
2,3,4,6,7,8-HxCDF	10	-----	2.3	JDN2				
1,2,3,7,8,9-HxCDF	-----	5.6	3.8	IJDN2	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	290	-----	1.9	DN2	1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	19	-----	1.5	JDN2	2,3,7,8-TCDD-37Cl4	0.20	55	
1,2,3,6,7,8-HxCDD	60	-----	1.5	DN2				
1,2,3,7,8,9-HxCDD	23	-----	0.97	JDN2				
Total HxCDD	400	-----	0.97	DN2				
1,2,3,4,6,7,8-HpCDF	150	-----	1.3	DN2	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	12	-----	2.2	JDN2	Equivalence: 51 ng/Kg			
Total HpCDF	480	-----	1.3	DN2	(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	1100	-----	1.9	DN2				
Total HpCDD	2100	-----	1.9	DN2				
OCDF	500	-----	4.9	DN2				
OCDD	12000	-----	3.5	DN2				

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

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

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
R = Recovery outside target range
I = Isotope ratio out of specification
D = Result obtained from analysis of diluted sample
Nn = Value obtained from additional analysis

REPORT OF LABORATORY ANALYSIS

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

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

Method 8290 Sample Analysis Results

Client - Pace Analytical National

Client's Sample ID	SS-4		
Lab Sample ID	10655422003		
Filename	L230623B_10		
Injected By	JRH		
Total Amount Extracted	12.1 g	Matrix	Solid
% Moisture	13.3	Dilution	NA
Dry Weight Extracted	10.5 g	Collected	05/18/2023 15:20
ICAL ID	L230613	Received	06/01/2023 08:50
CCal Filename(s)	L230623B_02 & L230623B_18	Extracted	06/05/2023 14:25
Method Blank ID	BLANK-106615	Analyzed	06/23/2023 18:00

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	7.6	-----	0.83		2,3,7,8-TCDF-13C	2.00	55	
Total TCDF	410	-----	0.83		2,3,7,8-TCDD-13C	2.00	59	
					1,2,3,7,8-PeCDF-13C	2.00	44	
2,3,7,8-TCDD	36	-----	0.68		2,3,4,7,8-PeCDF-13C	2.00	45	
Total TCDD	450	-----	0.68		1,2,3,7,8-PeCDD-13C	2.00	50	
					1,2,3,4,7,8-HxCDF-13C	2.00	71	
1,2,3,7,8-PeCDF	22	-----	0.43		1,2,3,6,7,8-HxCDF-13C	2.00	58	
2,3,4,7,8-PeCDF	26	-----	1.1		2,3,4,6,7,8-HxCDF-13C	2.00	58	
Total PeCDF	1200	-----	0.43		1,2,3,7,8,9-HxCDF-13C	2.00	51	
					1,2,3,4,7,8-HxCDD-13C	2.00	67	
1,2,3,7,8-PeCDD	360	-----	1.9		1,2,3,6,7,8-HxCDD-13C	2.00	56	
Total PeCDD	2100	-----	1.9		1,2,3,4,6,7,8-HpCDF-13C	2.00	33	R
					1,2,3,4,7,8,9-HpCDF-13C	2.00	32	R
1,2,3,4,7,8-HxCDF	-----	85	0.58	P	1,2,3,4,6,7,8-HpCDD-13C	2.00	43	
1,2,3,6,7,8-HxCDF	160	-----	0.48		OCDD-13C	4.00	33	RY
2,3,4,6,7,8-HxCDF	180	-----	0.87					
1,2,3,7,8,9-HxCDF	9.0	-----	1.9		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	2700	-----	0.48		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	280	-----	0.82		2,3,7,8-TCDD-37Cl4	0.20	53	
1,2,3,6,7,8-HxCDD	630	-----	1.0					
1,2,3,7,8,9-HxCDD	610	-----	1.1					
Total HxCDD	6400	-----	0.82	E				
1,2,3,4,6,7,8-HpCDF	2500	-----	2.3		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	86	-----	4.0		Equivalence: 690 ng/Kg			
Total HpCDF	4200	-----	2.3		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	5800	-----	3.1	E				
Total HpCDD	12000	-----	3.1	E				
OCDF	2700	-----	7.1	Y				
OCDD	20000	-----	4.6	E				

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

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

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
R = Recovery outside target range
P = PCDE Interference
E = Exceeds calibration range
Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

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

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

Method 8290 Sample Analysis Results

Client - Pace Analytical National

Client's Sample ID	SS-5		
Lab Sample ID	10655422004		
Filename	L230623B_11		
Injected By	JRH		
Total Amount Extracted	14.3 g	Matrix	Solid
% Moisture	12.2	Dilution	NA
Dry Weight Extracted	12.5 g	Collected	05/18/2023 15:25
ICAL ID	L230613	Received	06/01/2023 08:50
CCal Filename(s)	L230623B_02 & L230623B_18	Extracted	06/05/2023 14:25
Method Blank ID	BLANK-106615	Analyzed	06/23/2023 18:45

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	1.4	-----	0.38		2,3,7,8-TCDF-13C	2.00	57	
Total TCDF	15	-----	0.38		2,3,7,8-TCDD-13C	2.00	62	
					1,2,3,7,8-PeCDF-13C	2.00	38	R
2,3,7,8-TCDD	1.1	-----	0.56		2,3,4,7,8-PeCDF-13C	2.00	36	R
Total TCDD	14	-----	0.56		1,2,3,7,8-PeCDD-13C	2.00	39	R
					1,2,3,4,7,8-HxCDF-13C	2.00	83	
1,2,3,7,8-PeCDF	1.6	-----	0.98	J	1,2,3,6,7,8-HxCDF-13C	2.00	67	
2,3,4,7,8-PeCDF	3.8	-----	0.98	J	2,3,4,6,7,8-HxCDF-13C	2.00	65	
Total PeCDF	100	-----	0.98		1,2,3,7,8,9-HxCDF-13C	2.00	56	
					1,2,3,4,7,8-HxCDD-13C	2.00	69	
1,2,3,7,8-PeCDD	12	-----	1.5		1,2,3,6,7,8-HxCDD-13C	2.00	58	
Total PeCDD	88	-----	1.5		1,2,3,4,6,7,8-HpCDF-13C	2.00	38	R
					1,2,3,4,7,8,9-HpCDF-13C	2.00	34	R
1,2,3,4,7,8-HxCDF	4.6	-----	1.8		1,2,3,4,6,7,8-HpCDD-13C	2.00	42	
1,2,3,6,7,8-HxCDF	-----	4.0	1.9	IJ	OCDD-13C	4.00	39	RY
2,3,4,6,7,8-HxCDF	6.1	-----	2.1					
1,2,3,7,8,9-HxCDF	ND	-----	2.2		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	170	-----	1.8		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	11	-----	2.3		2,3,7,8-TCDD-37Cl4	0.20	57	
1,2,3,6,7,8-HxCDD	42	-----	1.2					
1,2,3,7,8,9-HxCDD	22	-----	1.3					
Total HxCDD	320	-----	1.2					
1,2,3,4,6,7,8-HpCDF	89	-----	2.7		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	4.9		Equivalence: 30 ng/Kg			
Total HpCDF	220	-----	2.7		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	430	-----	2.4					
Total HpCDD	890	-----	2.4					
OCDF	230	-----	7.9	Y				
OCDD	3400	-----	5.1					

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

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

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
R = Recovery outside target range
I = Isotope ratio out of specification
Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

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

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

Method 8290 Blank Analysis Results

Lab Sample Name	DFBLKTS		
Lab Sample ID	BLANK-106615	Matrix	Solid
Filename	U230613A_04	Dilution	NA
Total Amount Extracted	10.3 g	Extracted	06/05/2023 14:25
ICAL ID	U230524	Analyzed	06/13/2023 10:10
CCal Filename(s)	U230612B_16 & U230613A_17	Injected By	SMT

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.13	2,3,7,8-TCDF-13C	2.00	80
Total TCDF	ND	-----	0.13	2,3,7,8-TCDD-13C	2.00	53
				1,2,3,7,8-PeCDF-13C	2.00	104
2,3,7,8-TCDD	ND	-----	0.34	2,3,4,7,8-PeCDF-13C	2.00	98
Total TCDD	ND	-----	0.34	1,2,3,7,8-PeCDD-13C	2.00	104
				1,2,3,4,7,8-HxCDF-13C	2.00	93
1,2,3,7,8-PeCDF	ND	-----	0.17	1,2,3,6,7,8-HxCDF-13C	2.00	88
2,3,4,7,8-PeCDF	ND	-----	0.089	2,3,4,6,7,8-HxCDF-13C	2.00	85
Total PeCDF	ND	-----	0.089	1,2,3,7,8,9-HxCDF-13C	2.00	80
				1,2,3,4,7,8-HxCDD-13C	2.00	81
1,2,3,7,8-PeCDD	ND	-----	0.14	1,2,3,6,7,8-HxCDD-13C	2.00	88
Total PeCDD	ND	-----	0.14	1,2,3,4,6,7,8-HpCDF-13C	2.00	65
				1,2,3,4,7,8,9-HpCDF-13C	2.00	67
1,2,3,4,7,8-HxCDF	ND	-----	0.093	1,2,3,4,6,7,8-HpCDD-13C	2.00	71
1,2,3,6,7,8-HxCDF	ND	-----	0.072	OCDD-13C	4.00	63
2,3,4,6,7,8-HxCDF	ND	-----	0.094			
1,2,3,7,8,9-HxCDF	ND	-----	0.12	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.072	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.16	2,3,7,8-TCDD-37Cl4	0.20	49
1,2,3,6,7,8-HxCDD	ND	-----	0.11			
1,2,3,7,8,9-HxCDD	ND	-----	0.13			
Total HxCDD	ND	-----	0.11			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.10	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.15	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	-----	0.10	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	0.12			
Total HpCDD	ND	-----	0.12			
OCDF	ND	-----	0.33			
OCDD	ND	-----	0.25			

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

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

REPORT OF LABORATORY ANALYSIS

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

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

Method 8290 Laboratory Control Spike Results

Lab Sample ID	LCS-106616		
Filename	U230613A_03	Matrix	Solid
Total Amount Extracted	10.3 g	Dilution	NA
ICAL ID	U230524	Extracted	06/05/2023 14:25
CCal Filename(s)	U230612B_16 & U230613A_17	Analyzed	06/13/2023 09:24
Method Blank ID	BLANK-106615	Injected By	IH

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.22	109	2,3,7,8-TCDF-13C	2.0	68
Total TCDF				2,3,7,8-TCDD-13C	2.0	54
				1,2,3,7,8-PeCDF-13C	2.0	89
2,3,7,8-TCDD	0.20	0.23	114	2,3,4,7,8-PeCDF-13C	2.0	88
Total TCDD				1,2,3,7,8-PeCDD-13C	2.0	91
				1,2,3,4,7,8-HxCDF-13C	2.0	84
1,2,3,7,8-PeCDF	1.0	1.0	105	1,2,3,6,7,8-HxCDF-13C	2.0	81
2,3,4,7,8-PeCDF	1.0	1.1	108	2,3,4,6,7,8-HxCDF-13C	2.0	77
Total PeCDF				1,2,3,7,8,9-HxCDF-13C	2.0	72
				1,2,3,4,7,8-HxCDD-13C	2.0	70
1,2,3,7,8-PeCDD	1.0	0.98	98	1,2,3,6,7,8-HxCDD-13C	2.0	81
Total PeCDD				1,2,3,4,6,7,8-HpCDF-13C	2.0	58
				1,2,3,4,7,8,9-HpCDF-13C	2.0	56
1,2,3,4,7,8-HxCDF	1.0	1.0	101	1,2,3,4,6,7,8-HpCDD-13C	2.0	61
1,2,3,6,7,8-HxCDF	1.0	1.1	107	OCDD-13C	4.0	54
2,3,4,6,7,8-HxCDF	1.0	1.0	103			
1,2,3,7,8,9-HxCDF	1.0	1.1	111	1,2,3,4-TCDD-13C	2.0	NA
Total HxCDF				1,2,3,7,8,9-HxCDD-13C	2.0	NA
1,2,3,4,7,8-HxCDD	1.0	1.1	110	2,3,7,8-TCDD-37Cl4	0.20	53
1,2,3,6,7,8-HxCDD	1.0	1.0	104			
1,2,3,7,8,9-HxCDD	1.0	1.0	104			
Total HxCDD						
1,2,3,4,6,7,8-HpCDF	1.0	1.0	105			
1,2,3,4,7,8,9-HpCDF	1.0	1.1	109			
Total HpCDF						
1,2,3,4,6,7,8-HpCDD	1.0	0.99	99			
Total HpCDD						
OCDF	2.0	2.4	120			
OCDD	2.0	2.4	118			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Recovery outside of target range

Y = RF averaging used in calculations
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

REPORT OF LABORATORY ANALYSIS

Business Entity Name	Name Type	Name Status	Start Date	End Date
NORTHWEST GAZEBOS & GARDEN PRODUCTS, INC.	EN	CUR	02-07-2002	

Please read before ordering Copies.

New Search

Summary History

Image Available	Action	Transaction Date	Effective Date	Status	Name/Agent Change	Dissolved By
	ADMINISTRATIVE DISSOLUTION	04-04-2008		SYS		
	ANNUAL REPORT PAYMENT	01-30-2007		SYS		
	ANNUAL REPORT PAYMENT	01-17-2006		SYS		
	ANNUAL REPORT PAYMENT	01-24-2005		SYS		
	ANNUAL REPORT PAYMENT	01-23-2004		SYS		
	AMENDED ANNUAL REPORT	02-24-2003		FI		
	ARTICLES OF INCORPORATION	02-07-2002		FI	Agent	

Attachment 5

Business Registry Business Name Search

New Search

Business Entity Data

06-15-2023
10:43

Registry Nbr	Entity Type	Entity Status	Jurisdiction	Registry Date	Next Renewal Date	Renewal Due?
086726-93	DLLC	INA	OREGON	06-12-2002		
Entity Name	SQUIRE HOLDINGS, LLC					
Foreign Name						

New Search

Associated Names

Type	PPB	PRINCIPAL PLACE OF BUSINESS				
Addr 1	22000 ROCK CREEK RD					
Addr 2						
CSZ	SHERIDAN	OR	97378		**Country**	UNITED STATES OF AMERICA

Please click here for general information about registered agents and service of process.

Type	AGT	REGISTERED AGENT	**Start Date**	06-12-2002	**Resign Date**	
Name	GEORGE		GABRIEL			
Addr 1	7370 LAFAYETTE HWY					
Addr 2						
CSZ	DAYTON	OR	97114		**Country**	UNITED STATES OF AMERICA

Type	MAL	MAILING ADDRESS				
Addr 1	PO BOX 92					
Addr 2						
CSZ	SHERIDAN	OR	97378		**Country**	UNITED STATES OF AMERICA

Type	MEM	MEMBER			**Resign Date**	
Name	GEORGE		GABRIEL			
Addr 1	PO BOX 92					
Addr 2						
CSZ	SHERIDAN	OR	97378		**Country**	UNITED STATES OF AMERICA

New Search

Name History

Business Entity Name	Name Type	Name Status	Start Date	End Date
SQUIRE HOLDINGS, LLC	EN	CUR	06-12-2002	

Please read before ordering Copies.

New Search

Summary History

Image Available	Action	Transaction Date	Effective Date	Status	Name/Agent Change	Dissolved By
	ADMINISTRATIVE DISSOLUTION	08-08-2014		SYS		
	ANNUAL REPORT PAYMENT	05-20-2013		SYS		
	ANNUAL REPORT PAYMENT	05-24-2012		SYS		
	ANNUAL REPORT PAYMENT	06-17-2011		SYS		
	ANNUAL REPORT PAYMENT	06-04-2010		SYS		
	ANNUAL REPORT PAYMENT	06-05-2009		SYS		
	ANNUAL REPORT PAYMENT	06-26-2008		SYS		
	ANNUAL REPORT PAYMENT	05-29-2007		SYS		
	ANNUAL REPORT PAYMENT	05-22-2006		SYS		
	ANNUAL REPORT PAYMENT	05-23-2005		SYS		
	ANNUAL REPORT PAYMENT	05-17-2004		SYS		
	AMENDED ANNUAL REPORT	07-08-2003		FI		
	ARTICLES OF ORGANIZATION	06-12-2002		FI	Agent	

Attachment 6

Business Registry Business Name Search

New Search

Business Entity Data

06-16-2023
10:56

Registry Nbr	Entity Type	Entity Status	Jurisdiction	Registry Date	Next Renewal Date	Renewal Due?
233616-94	DBC	INA	OREGON	07-30-2004		
Entity Name	CUSTOM DRY KILNS & SAWMILL OF OREGON, INC.					
Foreign Name						

New Search

Associated Names

Type	PPB	PRINCIPAL PLACE OF BUSINESS				
Addr 1	22000 SW ROCK CREEK RD					
Addr 2						
CSZ	SHERIDAN	OR	97378		**Country**	UNITED STATES OF AMERICA

Please click here for general information about registered agents and service of process.

Type	AGT	REGISTERED AGENT		**Start Date**	07-30-2004	**Resign Date**
Name	GEORGE		GABRIEL			
Addr 1	2000 CHIPYARD RD					
Addr 2						
CSZ	SHERIDAN	OR	97378		**Country**	UNITED STATES OF AMERICA

Type	MAL	MAILING ADDRESS				
Addr 1	PO BOX 92					
Addr 2						
CSZ	SHERIDAN	OR	97378		**Country**	UNITED STATES OF AMERICA

Type	PRE	PRESIDENT				**Resign Date**
Name	GEORGE		GABRIEL			
Addr 1	2000 CHIPYARD RD					
Addr 2						
CSZ	SHERIDAN	OR	97378		**Country**	UNITED STATES OF AMERICA

Type	SEC	SECRETARY				**Resign Date**
Name	GEORGE		GABRIEL			
Addr 1	2000 CHIPYARD RD					
Addr 2						
CSZ	SHERIDAN	OR	97378		**Country**	UNITED STATES OF AMERICA

New Search

Name History

Business Entity Name	Name Type	Name Status	Start Date	End Date
CUSTOM DRY KILNS & SAWMILL OF OREGON, INC.	EN	CUR	07-30-2004	

Please read before ordering Copies.

New Search

Summary History

Image Available	Action	Transaction Date	Effective Date	Status	Name/Agent Change	Dissolved By
	ARTICLES OF DISSOLUTION	11-14-2011		FI		
	ANNUAL REPORT PAYMENT	07-29-2011		SYS		
	ANNUAL REPORT PAYMENT	06-24-2010		SYS		
	ANNUAL REPORT PAYMENT	08-03-2009		SYS		
	ANNUAL REPORT PAYMENT	07-31-2008		SYS		
	ANNUAL REPORT PAYMENT	07-18-2007		SYS		
	ANNUAL REPORT PAYMENT	06-26-2006		SYS		
	AMENDED ANNUAL REPORT	07-08-2005		FI		
	ARTICLES OF INCORPORATION	07-30-2004		FI	Agent	

Attachment 7

From: Elsa Ziedrich Schmidt
To: HINTEN Aubree * PEQ
Subject: R5633AA 00200 - Acct# 219383 Ownership Transfer
Date: Thursday, June 15, 2023 10:20:13 AM
Attachments: image001.png
image002.jpg

You don't often get email from schmidtel@co.yamhill.or.us. Learn why this is important

Good morning,

Our records show that account #219383 (map & tax lot number R5633AA 00200) was last transferred on 07/10/2002 by instrument number 2002-13344. "D" Industrials, L.L.C., an Oregon limited liability company, grantor, conveyed the property to Squire Holdings, L.L.C., an Oregon limited liability company. We do not have a situs address on file for this property.

Please let me know if I can assist with anything else!

Sincerely,

Elsa Ziedrich Schmidt
Assessment Specialist
Yamhill County Assessment and Tax
schmidtel@co.yamhill.or.us
(503) 474-5079