



IOWA DEPARTMENT OF NATURAL RESOURCES



Petroleum Contaminated Soil
Single Use Landfarm Early Closure Form

Single-use landfarming agencies shall submit the following closure form to the department and department field office with jurisdiction over the landfarm if the single use landfarm is to be closed before 3 years after the last application date.

Send the completed application with attached information to:

Solid Waste Section
Land Quality Bureau
Iowa Department of Natural Resources
502 E 9th St
Des Moines IA 50319
Fax: (515) 725-8202

Visit www.iowaDNR.gov/fieldoffice for a listing of field offices addresses and jurisdictions

Questions contact Matt Graesch at (515) 725-8331 or matt.graesch@dnr.iowa.gov

For information on Emergency Response Spills, call (515) 725-8694 or visit http://www.iowadnr.gov/About-DNR/DNR-Staff-Offices/Environmental-Field-Offices/Emergency-Response-Unit

SECTION 1. CONTACT INFORMATION

Provide the name, address and telephone number for the following:

Landfarming Agency Owner(s)

Name: Seneca Companies, Inc
Street Address: 4140 E. 14th Street
City: Des Moines State: IA Zip Code: 50313
Phone Number: 515-261-7717
DNR Existing Permit Number for Agency: 77 - SDP- 56-05P -PCS

PCS Landfarming/Storage Location Owner

Name: Andrew Russell
Street Address: 33573 560th Street
City: Gilmore City State: IA Zip Code: 50541
Phone Number: 515-368-1972

Legal Description of Property that will be Utilized for Landfarming/Storage:

(you may attach a legal description from your county assessor)

1/4 of SE 1/4 of SW 1/4 24 91 N 31 E X W Pocahontas
Section Township Range County

SECTION 2: LANDFARM CLOSURE INFORMATION

Date PCS was last land applied:

May 3, 2023

Total area in square feet of landfarm plot to be closed:

52,200 ft2

SECTION 3. CLOSURE FORM CHECKLIST

Checking the appropriate boxes below certifies that the attachments submitted in conjunction with this closure form are complete and in compliance with the applicable chapters of the Iowa Administrative Code. While some of the attachments below may have been submitted previously, updated copies of each is required to be provided with the closure form.

Required Document

- Section A. Map of Landfarm
- Section B. Documentation that Landfarm is Eligible for Early Closure [IAC 567 Chapter 120.12(2)]
- Section C. Chemical Analysis of Petroleum Contaminated Soil [IAC 567 Chapter 120.12(2)"a"]


SECTION 4. LANDFARMING AGENCY OWNER CERTIFICATION FOR SINGLE USE LANDFARM CLOSURE

I certify under penalty of law that I am the owner or a authorized representative of the landfarming agency for which this Petroleum Contaminated Soil Closure Form is submitted, and that I have examined and am familiar with the closure requirements in accordance with Iowa Administrative Code 567-Chapter 120, and that the information I have provided is true, accurate and complete.

Signature:  Date: 4/08/2024
Printed Name: Leslie Nagel

SECTION 5. LANDFARMING SITE OWNER CERTIFICATION FOR LANDFARMING AND STORAGE OF PCS

I certify I own the application or storage site for the petroleum contaminated soil referenced above and I acknowledge the landfarming practices described in this closure form and the closure requirements contained in Iowa Administrative (IAC) Code 567-Chapter 120.

Signature: 
Andrew Russell (Apr 10, 2024 10:53 PDT) Date: Apr 10, 2024
Printed Name: Andrew Russell

DOCUMENTS TO BE ATTACHED

SECTION A. MAP OF LANDFARM

- ✓ Provide a map that shows the location of the landfarm plot to be closed. Clearly mark the following on the map:
 - a. Landfarm plot site boundary that is to be closed
 - b. Dimensions of landfarm plot to be closed
 - c. Other landfarm plots that have been utilized
 - d. Locations where the landfarm closure soil samples were obtained in the landfarm plot

SECTION B. DOCUMENTATION THAT LANDFARM IS ELIGIBLE FOR EARLY CLOSURE

- ✓ Provide documentation that landfarm has met the following requirements for early closure:
 - a. A minimum of 6 months has past since PCS has been land applied.

SECTION C. CHEMICAL ANALYSIS OF PETROLEUM CONTAMINATED SOIL [IAC 567 CHAPTER 120.12(2)“A”]

- ✓ The following analyses shall be performed. Samples shall be acquired, stored, handled, tested and reported in accordance with the required methodology and accepted scientific procedures. A laboratory certified for UST petroleum analyses pursuant to IAC 567-Chapter 83 shall test samples. The analysis shall utilize the most recent version of Method OA-1 and OA-2, “Method for Determination of Volatile Petroleum Hydrocarbons (Gasoline),” University of Iowa Hygienic Laboratory. A copy of the results including the chain of custody must be attached to this form.
 - a. BTEX testing. The landfarm plot shall be tested for benzene, toluene, and ethylbenzene.
 - b. TEH-diesel testing. The landfarm plot shall be tested for total extractable hydrocarbons.
 - c. MTBE testing. The landfarm plot shall be tested for methyl tertiary-butyl ether unless prior analysis of the soil has shown that MTBE is not present in the soil.

Limits to be met by each sample:

- Benzene – 0.54 mg/kg
- Toluene – 42 mg/kg
- Ethylbenzene – 15 mg/kg
- TEH-diesel – 3800 mg/kg
- MTBE – 0.02 mg/kg

One sample shall be taken from each 10,000 ft² (e.g., 100-foot x 100-foot area) of landfarm plot area and be analyzed for the above constituents. Soil samples shall be taken from the top 2 to 6 inches of soil. Place the results in the table below in milligrams per kilogram (mg/kg).

	Benzene	Toluene	Ethylbenzene	TEH-diesel	MTBE
Sample #1	See Attached				
Sample #2					
Sample #3					
Sample #4					
Sample #5					
Sample #6					
Sample #7					
Sample #8					
Sample #9					
Sample #10					

Client: Seneca Companies
Project:
Project #
Sampled: 03/07/2024
Laboratory: Eurofins Cedar Falls

Sample ID	Sampled Date	Group 1					Group 2			
		Methyl tert-Butyl Ether (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Diesel (mg/kg)	Waste Oil (mg/kg)	Gasoline (mg/kg)	T.E.H (mg/kg)
LF1	03/07/2024	<0.00953	<0.00953	<0.00953	<0.00953	<0.0191	<9.89	46.3	<9.89	46.9
LF2	03/07/2024	<0.0108	<0.0108	<0.0108	<0.0108	<0.0217	<9.74	<9.74	<9.74	28.2
LF3	03/07/2024	<0.00996	<0.00996	<0.00996	<0.00996	<0.0199	<10.0	<10.0	<10.0	20.7
LF4	03/07/2024	<0.0117	<0.0117	<0.0117	<0.0117	<0.0233	<9.70	36.1	<9.70	36.9
LF5	03/07/2024	<0.0114	<0.0114	<0.0114	<0.0114	<0.0229	<9.50	<9.50	<9.50	16.3
LF6	03/07/2024	<0.0112	<0.0112	<0.0112	<0.0112	<0.0223	<9.73	<9.73	<9.73	35.5

SECTION A



Seneca Environmental Services

Courtesy of Google Maps

**Pocahontas Fire Station Landfarm
Gilmore City, IA Pocahontas County**

UST Registration No. 197910194
LUST No. 9LTB67
Seneca Job No. 6182304

Site Vicinity Map



SECTION B

Soil was last applied on May 3, 2023. November 3, 2023, was the six-month date. Soil sampling was completed on March 7, 2024, and all samples were less than target levels.

SECTION C



ANALYTICAL REPORT

PREPARED FOR

Attn: Leslie Nagel
Seneca Companies
PO BOX 3360
Des Moines, Iowa 50316
Generated 3/18/2024 8:29:06 AM

JOB DESCRIPTION

Cubby's Land Farm
6364325

JOB NUMBER

310-276450-1

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
3/18/2024 8:29:06 AM

Authorized for release by
Conner Calhoun, Project Management Assistant I
Conner.Calhoun@et.eurofinsus.com
(319)277-2401



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Case Narrative

Client: Seneca Companies
Project: Cubby's Land Farm

Job ID: 310-276450-1

Job ID: 310-276450-1

Eurofins Cedar Falls

Job Narrative 310-276450-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 3/8/2024 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C.

GC/MS VOA

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

Diesel Range Organics

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

Eurofins Cedar Falls

Sample Summary

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-276450-1	LF1	Solid	03/07/24 07:05	03/08/24 16:30
310-276450-2	LF2	Solid	03/07/24 07:10	03/08/24 16:30
310-276450-3	LF3	Solid	03/07/24 07:15	03/08/24 16:30
310-276450-4	LF4	Solid	03/07/24 07:20	03/08/24 16:30
310-276450-5	LF5	Solid	03/07/24 07:25	03/08/24 16:30
310-276450-6	LF6	Solid	03/07/24 07:30	03/08/24 16:30

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2

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Detection Summary

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Client Sample ID: LF1

Lab Sample ID: 310-276450-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Waste Oil	46.3		9.89		mg/Kg	1		OA-2	Total/NA
Total Extractable Hydrocarbons	46.9		14.8		mg/Kg	1		OA-2	Total/NA

Client Sample ID: LF2

Lab Sample ID: 310-276450-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Extractable Hydrocarbons	28.2	Z	14.6		mg/Kg	1		OA-2	Total/NA

Client Sample ID: LF3

Lab Sample ID: 310-276450-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Extractable Hydrocarbons	20.7	Z	15.0		mg/Kg	1		OA-2	Total/NA

Client Sample ID: LF4

Lab Sample ID: 310-276450-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Waste Oil	36.1		9.70		mg/Kg	1		OA-2	Total/NA
Total Extractable Hydrocarbons	36.9		14.5		mg/Kg	1		OA-2	Total/NA

Client Sample ID: LF5

Lab Sample ID: 310-276450-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Extractable Hydrocarbons	16.3	Z	14.3		mg/Kg	1		OA-2	Total/NA

Client Sample ID: LF6

Lab Sample ID: 310-276450-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Extractable Hydrocarbons	35.5	Z	14.6		mg/Kg	1		OA-2	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: Seneca Companies
 Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
 SDG: 6364325

Client Sample ID: LF1

Lab Sample ID: 310-276450-1

Date Collected: 03/07/24 07:05

Matrix: Solid

Date Received: 03/08/24 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00953		0.00953		mg/Kg		03/13/24 09:00	03/13/24 17:04	1
Ethylbenzene	<0.00953		0.00953		mg/Kg		03/13/24 09:00	03/13/24 17:04	1
Methyl tert-butyl ether	<0.00953		0.00953		mg/Kg		03/13/24 09:00	03/13/24 17:04	1
Toluene	<0.00953		0.00953		mg/Kg		03/13/24 09:00	03/13/24 17:04	1
Xylenes, Total	<0.0191		0.0191		mg/Kg		03/13/24 09:00	03/13/24 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120	03/13/24 09:00	03/13/24 17:04	1
Dibromofluoromethane (Surr)	101		80 - 127	03/13/24 09:00	03/13/24 17:04	1
Toluene-d8 (Surr)	99		80 - 120	03/13/24 09:00	03/13/24 17:04	1

Method: Iowa DNR OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	<9.89		9.89		mg/Kg		03/12/24 09:20	03/14/24 00:38	1
Diesel	<9.89		9.89		mg/Kg		03/12/24 09:20	03/14/24 00:38	1
Waste Oil	46.3		9.89		mg/Kg		03/12/24 09:20	03/14/24 00:38	1
Total Extractable Hydrocarbons	46.9		14.8		mg/Kg		03/12/24 09:20	03/14/24 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	84		12 - 126	03/12/24 09:20	03/14/24 00:38	1

Client Sample Results

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Client Sample ID: LF2

Lab Sample ID: 310-276450-2

Date Collected: 03/07/24 07:10

Matrix: Solid

Date Received: 03/08/24 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0108		0.0108		mg/Kg		03/13/24 09:00	03/13/24 17:28	1
Ethylbenzene	<0.0108		0.0108		mg/Kg		03/13/24 09:00	03/13/24 17:28	1
Methyl tert-butyl ether	<0.0108		0.0108		mg/Kg		03/13/24 09:00	03/13/24 17:28	1
Toluene	<0.0108		0.0108		mg/Kg		03/13/24 09:00	03/13/24 17:28	1
Xylenes, Total	<0.0217		0.0217		mg/Kg		03/13/24 09:00	03/13/24 17:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120				03/13/24 09:00	03/13/24 17:28	1
Dibromofluoromethane (Surr)	98		80 - 127				03/13/24 09:00	03/13/24 17:28	1
Toluene-d8 (Surr)	96		80 - 120				03/13/24 09:00	03/13/24 17:28	1

Method: Iowa DNR OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	<9.74		9.74		mg/Kg		03/12/24 09:20	03/14/24 00:53	1
Diesel	<9.74		9.74		mg/Kg		03/12/24 09:20	03/14/24 00:53	1
Waste Oil	<9.74		9.74		mg/Kg		03/12/24 09:20	03/14/24 00:53	1
Total Extractable Hydrocarbons	28.2	Z	14.6		mg/Kg		03/12/24 09:20	03/14/24 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	100		12 - 126				03/12/24 09:20	03/14/24 00:53	1

Client Sample Results

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Client Sample ID: LF3

Lab Sample ID: 310-276450-3

Date Collected: 03/07/24 07:15

Matrix: Solid

Date Received: 03/08/24 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00996		0.00996		mg/Kg		03/13/24 09:00	03/13/24 17:53	1
Ethylbenzene	<0.00996		0.00996		mg/Kg		03/13/24 09:00	03/13/24 17:53	1
Methyl tert-butyl ether	<0.00996		0.00996		mg/Kg		03/13/24 09:00	03/13/24 17:53	1
Toluene	<0.00996		0.00996		mg/Kg		03/13/24 09:00	03/13/24 17:53	1
Xylenes, Total	<0.0199		0.0199		mg/Kg		03/13/24 09:00	03/13/24 17:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120				03/13/24 09:00	03/13/24 17:53	1
Dibromofluoromethane (Surr)	100		80 - 127				03/13/24 09:00	03/13/24 17:53	1
Toluene-d8 (Surr)	96		80 - 120				03/13/24 09:00	03/13/24 17:53	1

Method: Iowa DNR OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	<10.0		10.0		mg/Kg		03/12/24 09:20	03/14/24 01:08	1
Diesel	<10.0		10.0		mg/Kg		03/12/24 09:20	03/14/24 01:08	1
Waste Oil	<10.0		10.0		mg/Kg		03/12/24 09:20	03/14/24 01:08	1
Total Extractable Hydrocarbons	20.7	Z	15.0		mg/Kg		03/12/24 09:20	03/14/24 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	79		12 - 126				03/12/24 09:20	03/14/24 01:08	1

Client Sample Results

Client: Seneca Companies
 Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
 SDG: 6364325

Client Sample ID: LF4

Lab Sample ID: 310-276450-4

Date Collected: 03/07/24 07:20

Matrix: Solid

Date Received: 03/08/24 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0117		0.0117		mg/Kg		03/13/24 09:00	03/13/24 18:17	1
Ethylbenzene	<0.0117		0.0117		mg/Kg		03/13/24 09:00	03/13/24 18:17	1
Methyl tert-butyl ether	<0.0117		0.0117		mg/Kg		03/13/24 09:00	03/13/24 18:17	1
Toluene	<0.0117		0.0117		mg/Kg		03/13/24 09:00	03/13/24 18:17	1
Xylenes, Total	<0.0233		0.0233		mg/Kg		03/13/24 09:00	03/13/24 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120				03/13/24 09:00	03/13/24 18:17	1
Dibromofluoromethane (Surr)	100		80 - 127				03/13/24 09:00	03/13/24 18:17	1
Toluene-d8 (Surr)	97		80 - 120				03/13/24 09:00	03/13/24 18:17	1

Method: Iowa DNR OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	<9.70		9.70		mg/Kg		03/12/24 09:20	03/14/24 01:22	1
Diesel	<9.70		9.70		mg/Kg		03/12/24 09:20	03/14/24 01:22	1
Waste Oil	36.1		9.70		mg/Kg		03/12/24 09:20	03/14/24 01:22	1
Total Extractable Hydrocarbons	36.9		14.5		mg/Kg		03/12/24 09:20	03/14/24 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	90		12 - 126				03/12/24 09:20	03/14/24 01:22	1

Client Sample Results

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Client Sample ID: LF5

Lab Sample ID: 310-276450-5

Date Collected: 03/07/24 07:25

Matrix: Solid

Date Received: 03/08/24 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0114		0.0114		mg/Kg		03/13/24 09:00	03/13/24 18:41	1
Ethylbenzene	<0.0114		0.0114		mg/Kg		03/13/24 09:00	03/13/24 18:41	1
Methyl tert-butyl ether	<0.0114		0.0114		mg/Kg		03/13/24 09:00	03/13/24 18:41	1
Toluene	<0.0114		0.0114		mg/Kg		03/13/24 09:00	03/13/24 18:41	1
Xylenes, Total	<0.0229		0.0229		mg/Kg		03/13/24 09:00	03/13/24 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120				03/13/24 09:00	03/13/24 18:41	1
Dibromofluoromethane (Surr)	102		80 - 127				03/13/24 09:00	03/13/24 18:41	1
Toluene-d8 (Surr)	97		80 - 120				03/13/24 09:00	03/13/24 18:41	1

Method: Iowa DNR OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	<9.50		9.50		mg/Kg		03/12/24 09:20	03/14/24 01:37	1
Diesel	<9.50		9.50		mg/Kg		03/12/24 09:20	03/14/24 01:37	1
Waste Oil	<9.50		9.50		mg/Kg		03/12/24 09:20	03/14/24 01:37	1
Total Extractable Hydrocarbons	16.3	Z	14.3		mg/Kg		03/12/24 09:20	03/14/24 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	67		12 - 126				03/12/24 09:20	03/14/24 01:37	1

Client Sample Results

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Client Sample ID: LF6

Lab Sample ID: 310-276450-6

Date Collected: 03/07/24 07:30

Matrix: Solid

Date Received: 03/08/24 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0112		0.0112		mg/Kg		03/13/24 09:00	03/13/24 19:05	1
Ethylbenzene	<0.0112		0.0112		mg/Kg		03/13/24 09:00	03/13/24 19:05	1
Methyl tert-butyl ether	<0.0112		0.0112		mg/Kg		03/13/24 09:00	03/13/24 19:05	1
Toluene	<0.0112		0.0112		mg/Kg		03/13/24 09:00	03/13/24 19:05	1
Xylenes, Total	<0.0223		0.0223		mg/Kg		03/13/24 09:00	03/13/24 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120	03/13/24 09:00	03/13/24 19:05	1
Dibromofluoromethane (Surr)	102		80 - 127	03/13/24 09:00	03/13/24 19:05	1
Toluene-d8 (Surr)	96		80 - 120	03/13/24 09:00	03/13/24 19:05	1

Method: Iowa DNR OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	<9.73		9.73		mg/Kg		03/12/24 09:20	03/14/24 01:52	1
Diesel	<9.73		9.73		mg/Kg		03/12/24 09:20	03/14/24 01:52	1
Waste Oil	<9.73		9.73		mg/Kg		03/12/24 09:20	03/14/24 01:52	1
Total Extractable Hydrocarbons	35.5	Z	14.6		mg/Kg		03/12/24 09:20	03/14/24 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	89		12 - 126	03/12/24 09:20	03/14/24 01:52	1

Definitions/Glossary

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
Z	The chromatographic response does not resemble a typical fuel pattern.

Glossary

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

Surrogate Summary

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DBFM	TOL
		(80-120)	(80-127)	(80-120)
310-276450-1	LF1	100	101	99
310-276450-2	LF2	100	98	96
310-276450-3	LF3	100	100	96
310-276450-4	LF4	99	100	97
310-276450-5	LF5	100	102	97
310-276450-6	LF6	99	102	96
LCS 310-415848/2-A	Lab Control Sample	104	98	99
MB 310-415848/1-A	Method Blank	100	101	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCN
		(12-126)
310-276450-1	LF1	84
310-276450-2	LF2	100
310-276450-3	LF3	79
310-276450-4	LF4	90
310-276450-5	LF5	67
310-276450-6	LF6	89
LCS 310-415759/2-A	Lab Control Sample	95
MB 310-415759/1-A	Method Blank	90

Surrogate Legend

OTCN = n-Octacosane

QC Sample Results

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-415848/1-A
Matrix: Solid
Analysis Batch: 415849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 415848

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.0117		0.0117		mg/Kg		03/13/24 09:00	03/13/24 12:13	1
Ethylbenzene	<0.0117		0.0117		mg/Kg		03/13/24 09:00	03/13/24 12:13	1
Methyl tert-butyl ether	<0.0117		0.0117		mg/Kg		03/13/24 09:00	03/13/24 12:13	1
Toluene	<0.0117		0.0117		mg/Kg		03/13/24 09:00	03/13/24 12:13	1
Xylenes, Total	<0.0235		0.0235		mg/Kg		03/13/24 09:00	03/13/24 12:13	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	100		80 - 120	03/13/24 09:00	03/13/24 12:13	1
Dibromofluoromethane (Surr)	101		80 - 127	03/13/24 09:00	03/13/24 12:13	1
Toluene-d8 (Surr)	96		80 - 120	03/13/24 09:00	03/13/24 12:13	1

Lab Sample ID: LCS 310-415848/2-A
Matrix: Solid
Analysis Batch: 415849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 415848

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.0746	0.07304		mg/Kg		98	75 - 137
Ethylbenzene	0.0746	0.07495		mg/Kg		101	73 - 126
Methyl tert-butyl ether	0.0746	0.07453		mg/Kg		100	71 - 144
Toluene	0.0746	0.07433		mg/Kg		100	72 - 126
Xylenes, Total	0.149	0.1538		mg/Kg		103	70 - 129

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	98		80 - 127
Toluene-d8 (Surr)	99		80 - 120

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Lab Sample ID: MB 310-415759/1-A
Matrix: Solid
Analysis Batch: 415827

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 415759

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline	<9.57		9.57		mg/Kg		03/12/24 09:20	03/13/24 21:43	1
Diesel	<9.57		9.57		mg/Kg		03/12/24 09:20	03/13/24 21:43	1
Waste Oil	<9.57		9.57		mg/Kg		03/12/24 09:20	03/13/24 21:43	1
Total Extractable Hydrocarbons	<14.4		14.4		mg/Kg		03/12/24 09:20	03/13/24 21:43	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
n-Octacosane	90		12 - 126	03/12/24 09:20	03/13/24 21:43	1

Lab Sample ID: LCS 310-415759/2-A
Matrix: Solid
Analysis Batch: 415827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 415759

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Diesel	131	117.7		mg/Kg		90	34 - 120

Eurofins Cedar Falls

QC Sample Results

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC) (Continued)

<i>Surrogate</i>	<i>LCS</i>	<i>LCS</i>	<i>Limits</i>
<i>%Recovery</i>	<i>Qualifier</i>		
<i>n-Octacosane</i>	95		12 - 126

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QC Association Summary

Client: Seneca Companies
 Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
 SDG: 6364325

GC/MS VOA

Prep Batch: 415848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-276450-1	LF1	Total/NA	Solid	5035	
310-276450-2	LF2	Total/NA	Solid	5035	
310-276450-3	LF3	Total/NA	Solid	5035	
310-276450-4	LF4	Total/NA	Solid	5035	
310-276450-5	LF5	Total/NA	Solid	5035	
310-276450-6	LF6	Total/NA	Solid	5035	
MB 310-415848/1-A	Method Blank	Total/NA	Solid	5035	
LCS 310-415848/2-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 415849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-276450-1	LF1	Total/NA	Solid	8260D	415848
310-276450-2	LF2	Total/NA	Solid	8260D	415848
310-276450-3	LF3	Total/NA	Solid	8260D	415848
310-276450-4	LF4	Total/NA	Solid	8260D	415848
310-276450-5	LF5	Total/NA	Solid	8260D	415848
310-276450-6	LF6	Total/NA	Solid	8260D	415848
MB 310-415848/1-A	Method Blank	Total/NA	Solid	8260D	415848
LCS 310-415848/2-A	Lab Control Sample	Total/NA	Solid	8260D	415848

GC Semi VOA

Prep Batch: 415759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-276450-1	LF1	Total/NA	Solid	3546	
310-276450-2	LF2	Total/NA	Solid	3546	
310-276450-3	LF3	Total/NA	Solid	3546	
310-276450-4	LF4	Total/NA	Solid	3546	
310-276450-5	LF5	Total/NA	Solid	3546	
310-276450-6	LF6	Total/NA	Solid	3546	
MB 310-415759/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-415759/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 415827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-276450-1	LF1	Total/NA	Solid	OA-2	415759
310-276450-2	LF2	Total/NA	Solid	OA-2	415759
310-276450-3	LF3	Total/NA	Solid	OA-2	415759
310-276450-4	LF4	Total/NA	Solid	OA-2	415759
310-276450-5	LF5	Total/NA	Solid	OA-2	415759
310-276450-6	LF6	Total/NA	Solid	OA-2	415759
MB 310-415759/1-A	Method Blank	Total/NA	Solid	OA-2	415759
LCS 310-415759/2-A	Lab Control Sample	Total/NA	Solid	OA-2	415759

Lab Chronicle

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Client Sample ID: LF1

Lab Sample ID: 310-276450-1

Date Collected: 03/07/24 07:05

Matrix: Solid

Date Received: 03/08/24 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			415848	MZR8	EET CF	03/13/24 09:00
Total/NA	Analysis	8260D		1	415849	MZR8	EET CF	03/13/24 17:04
Total/NA	Prep	3546			415759	YU9M	EET CF	03/12/24 09:20
Total/NA	Analysis	OA-2		1	415827	C3AA	EET CF	03/14/24 00:38

Client Sample ID: LF2

Lab Sample ID: 310-276450-2

Date Collected: 03/07/24 07:10

Matrix: Solid

Date Received: 03/08/24 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			415848	MZR8	EET CF	03/13/24 09:00
Total/NA	Analysis	8260D		1	415849	MZR8	EET CF	03/13/24 17:28
Total/NA	Prep	3546			415759	YU9M	EET CF	03/12/24 09:20
Total/NA	Analysis	OA-2		1	415827	C3AA	EET CF	03/14/24 00:53

Client Sample ID: LF3

Lab Sample ID: 310-276450-3

Date Collected: 03/07/24 07:15

Matrix: Solid

Date Received: 03/08/24 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			415848	MZR8	EET CF	03/13/24 09:00
Total/NA	Analysis	8260D		1	415849	MZR8	EET CF	03/13/24 17:53
Total/NA	Prep	3546			415759	YU9M	EET CF	03/12/24 09:20
Total/NA	Analysis	OA-2		1	415827	C3AA	EET CF	03/14/24 01:08

Client Sample ID: LF4

Lab Sample ID: 310-276450-4

Date Collected: 03/07/24 07:20

Matrix: Solid

Date Received: 03/08/24 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			415848	MZR8	EET CF	03/13/24 09:00
Total/NA	Analysis	8260D		1	415849	MZR8	EET CF	03/13/24 18:17
Total/NA	Prep	3546			415759	YU9M	EET CF	03/12/24 09:20
Total/NA	Analysis	OA-2		1	415827	C3AA	EET CF	03/14/24 01:22

Client Sample ID: LF5

Lab Sample ID: 310-276450-5

Date Collected: 03/07/24 07:25

Matrix: Solid

Date Received: 03/08/24 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			415848	MZR8	EET CF	03/13/24 09:00
Total/NA	Analysis	8260D		1	415849	MZR8	EET CF	03/13/24 18:41
Total/NA	Prep	3546			415759	YU9M	EET CF	03/12/24 09:20
Total/NA	Analysis	OA-2		1	415827	C3AA	EET CF	03/14/24 01:37

Lab Chronicle

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Client Sample ID: LF6

Lab Sample ID: 310-276450-6

Date Collected: 03/07/24 07:30

Matrix: Solid

Date Received: 03/08/24 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			415848	MZR8	EET CF	03/13/24 09:00
Total/NA	Analysis	8260D		1	415849	MZR8	EET CF	03/13/24 19:05
Total/NA	Prep	3546			415759	YU9M	EET CF	03/12/24 09:20
Total/NA	Analysis	OA-2		1	415827	C3AA	EET CF	03/14/24 01:52

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401



Accreditation/Certification Summary

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Laboratory: Eurofins Cedar Falls

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

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

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Method Summary

Client: Seneca Companies
Project/Site: Cubby's Land Farm

Job ID: 310-276450-1
SDG: 6364325

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
OA-2	Iowa - Extractable Petroleum Hydrocarbons (GC)	Iowa DNR	EET CF
3546	Microwave Extraction	SW846	EET CF
5035	Purge and Trap for Solids	SW846	EET CF

Protocol References:

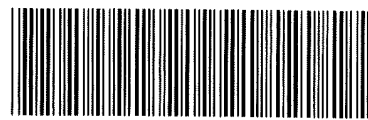
Iowa DNR = Iowa Department of Natural Resources

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

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401





Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Seneca</u>			
City/State:	CITY	STATE	Project:
Receipt Information			
Date/Time Received:	DATE	TIME	Received By:
	<u>3/8/24</u>	<u>1630</u>	<u>AM</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee			
<input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID: _____	
Multiple Coolers?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler # ____ of ____	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID:	<u>X</u>	Correction Factor (°C):	<u>0</u>
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	<u>0.1</u>	Corrected Temp (°C):	<u>0.1</u>
• Sample Container Temperature			
Container(s) used:	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			





Environmental Testing
 Cedar Falls Division
 3019 Venture Way
 Cedar Falls, IA 50613

Phone: 319 - 277 - 2401 or 1 - 800 - 750 - 2401
 Fax: 319 - 277 - 2425

Company: Seneca Companies, Inc.

Your PO # P-ORD007068

Invoice To accounts payable@senecaco.com

Quote # _____

Send Report To Leslie Nagel

Project Name Cubby's Land Farm

Address 4140 E. 14th Street

City/State/Zip Code Des Moines, IA

Telephone Number 515-262-3500 Cell: _____

Project Number 6364325

Email Address for Reports to be sent: lnagel@senecaco.com

Project Manager Leslie Nagel

Sampled By: (Print Name) Doreen Pileggi

(Signature) [Signature]

Matrix Analyze For _____

Sample ID	Date Sampled	Time Sampled	# of containers shipped	Grab	Composite	Field Filtered	Ice	Preservative										Matrix										Other Specify	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	RUSH TAT (Must call ahead!)	Standard TAT	E-mail results	Fax Results
								HNO3 (Red & White Label)	HCl (Blue & White Label)	NaOH (Orange & White Label)	H2SO4 Plastic (Yellow & White Label)	H2SO4 Glass (Yellow & White Label)	None (Black & White Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (Specify)	HNO3 (Red & White Label)	HCl (Blue & White Label)	NaOH (Orange & White Label)	H2SO4 Plastic (Yellow & White Label)	H2SO4 Glass (Yellow & White Label)	None (Black & White Label)												
LF1	3/12/21 7:05		1	X			X																					X										
LF2	7/10																																					
LF3	7-15																																					
LF4	7-20																																					
LF5	7-25																																					
LF6	7-30			N																																		

NOTICE: Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with these turn around time commitments; Additional Charges may be assessed.

Relinquished by: [Signature] Date: 3/18/21 Time: 9:00
 Received for Test America by: [Signature] Date: 3/18/21 Time: 11:00
 COC Seals Present and Intact? Yes No
 Shipped via _____

Notes: _____

Relinquished by: _____ Date: _____ Time: _____
 Received for Test America by: _____ Date: _____ Time: _____
 COC Seals Present and Intact? Yes No
 Shipped via _____

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Login Sample Receipt Checklist

Client: Seneca Companies

Job Number: 310-276450-1

SDG Number: 6364325

Login Number: 276450

List Number: 1

Creator: Costello, Mackenzie K

List Source: Eurofins Cedar Falls

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









Petroleum Contaminated Soil Single Use Landfarm Early Closure Form

Final Audit Report

2024-04-10

Created:	2024-04-10
By:	Leslie Nagel (lnagel@senecaco.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA3V5pSej7DXW4RabqchfeQYExE4TrI6OQ

"Petroleum Contaminated Soil Single Use Landfarm Early Closure Form" History

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