

Final Report

860 Unit Cooling Tower and Hartranft Street – Point Breeze South Yard
Former Philadelphia Energy Solutions Refinery
3144 Passyunk Avenue, Philadelphia, Pennsylvania
Facility ID No. 51-33620

Prepared for

Philadelphia Energy Solutions Refining and Marketing LLC
111 S. Wacker Drive, Suite 3000
Chicago, Illinois 60606

Prepared by

Terraphase Engineering Inc.
100 Canal Pointe Boulevard, Suite 108
Princeton, New Jersey 08540

March 2022

Project Number P044.001.004



Contents

| | |
|--|----|
| Acronyms and Abbreviations | iv |
| Certification..... | v |
| Executive Summary..... | vi |
| 1 Introduction..... | 1 |
| 2 Site Setting..... | 2 |
| 2.1 Site Description..... | 2 |
| 2.2 Operational History | 2 |
| 2.3 Topography..... | 2 |
| 2.4 Site Geology..... | 2 |
| 2.5 Site Hydrogeology..... | 2 |
| 3 Remediation and Site Characterization Activities | 3 |
| 3.1 Selection of Standards | 4 |
| 3.2 Site Characterization Results | 4 |
| 4 Ecological Screening Evaluation | 5 |
| 5 Demonstration of Attainment..... | 6 |
| 6 Conclusion | 7 |



Table

- 1 Soil Analytical Results

Figures

- 1 Site Location Map
- 2 Site Layout and Sample Location Map

Appendices

- A Notice of Intent Documents
- B Notice of Release – Environmental Incident Report
- C Disposal Documents
- D Laboratories' Analytical Reports



Acronyms and Abbreviations

| | |
|------------|--|
| Act 2 | Land Recycling and Environmental Remediation Standards Act (Pennsylvania Code Title 25, Chapter 250, “Administration of the Land Recycling Program”) |
| mg/kg | milligrams per kilogram |
| NIR | Notice of Intent to Remediate |
| NorthStar | NorthStar Contracting Group, Inc. |
| PADEP | Pennsylvania Department of Environmental Protection |
| PESRM | Philadelphia Energy Solutions Refining and Marketing LLC |
| Property | former Philadelphia Energy Solutions Refinery, 3144 West Passyunk Avenue, Philadelphia, Pennsylvania |
| SHS | Statewide Health Standard |
| Site | petroleum release area near the 860 Unit and Hartranft Street – Point Breeze South Yard of the former Philadelphia Energy Solutions Refinery |
| Terraphase | Terraphase Engineering Inc. |
| TGM | <i>Technical Guidance Manual</i> |



Certification

Pursuant to the requirements of the Pennsylvania Land Recycling and Environmental Remediation Standards Act, adopted May 19, 1995, which state that:

Interpretation of geologic and hydrogeologic data shall be prepared by a professional geologist licensed in this Commonwealth.

I hereby attest that, as a Professional Geologist licensed in the Commonwealth of Pennsylvania, I am familiar with, and have reviewed and/or prepared the interpretation of the geology and hydrogeology presented in this *Final Report, 860 Unit Cooling Tower and Hartranft Street – Point Breeze South Yard, Former Philadelphia Energy Solutions Refinery, 3144 West Passyunk Avenue, Philadelphia, Pennsylvania*, dated March 2022.

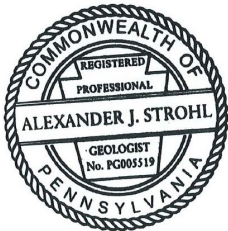
Based on the available data represented in this report, I believe that the geologic and hydrogeologic interpretations made herein are reasonable and accurate.



Alexander J. Strohl, PG
Senior Staff Geologist

March 21, 2022

Date



Executive Summary

In accordance with the requirements of Pennsylvania Code Title 25, Chapter 250, entitled “Administration of the Land Recycling Program,”¹ of the Land Recycling and Environmental Remediation Standards Act (Act 2), and on behalf of Philadelphia Energy Solutions Refining and Marketing LLC, Terraphase Engineering Inc. has prepared this report to detail the results of the environmental activities completed at the petroleum release area near the 860 Unit Cooling Tower and Hartranft Street in the Point Breeze South Yard (Site) of the former Philadelphia Energy Solutions Refinery at 3144 Passyunk Avenue, Philadelphia, Pennsylvania. This report follows the requirements of Section II.C. (7) of the Act 2 *Land Recycling Program Technical Guidance Manual*² and is submitted in accordance with Section 250.404 of the Act 2 regulations as a final report.

The Site is within the former Philadelphia Energy Solutions Refinery, an approximately 1,300-acre property situated in a highly developed area of Philadelphia. The refinery ceased operations in 2019 and has since been undergoing demolition and closure activities.

A petroleum release occurred during the removal of overhead pipelines within the pipe rack located near the Site. The pipeline that caused the release was an out of service line used to remove water from two aboveground storage tanks in the Point Breeze South Yard (i.e., PB 840 and PB 843). Both aboveground storage tanks were formerly used to store crude oil. The total area of the release was approximately 1,600 square feet, and 1,200 square feet of this area is an asphalt roadway. The remaining 400 square feet of the release occurred on soil where approximately 12 to 14 cubic yards of soil were removed and containerized in a roll-off container. Post-excavation soil sampling activities were conducted following the soil removal. The results of the sampling indicate the detection of several constituents of concern; however, the concentrations are less than the applicable Statewide Health Standards’ “Medium Specific Concentrations”³ for non-residential direct contact and non-residential soil migration to groundwater. The concentrations are also less than the applicable Statewide Health Standards’ non-residential soil vapor intrusion screening values. Terraphase Engineering Inc. concludes that the requirements of Act 2 have been met, and as such, Philadelphia Energy Solutions Refining and Marketing LLC qualifies for the cleanup liability protection for certain petroleum constituents associated with the pipeline release.

¹ <https://www.pacodeandbulletin.gov/Display/pacode?file=/secure/pacode/data/025/chapter250/chap250toc.html>

² Philadelphia Department of Environmental Protection, Bureau of Environmental Cleanup and Brownfields. *Land Recycling Program Technical Guidance Manual*. 261-0300-101. March 26, 2021.

³ <https://www.dep.pa.gov/Business/Land/LandRecycling/Standards-Guidance-Procedures/Pages/Statewide-Health-Standards.aspx>



1 Introduction

Terraphase Engineering Inc. (Terraphase) has prepared this Final Report, on behalf of Philadelphia Energy Solutions Refining and Marketing LLC (PESRM), to detail the results of the environmental activities following a petroleum release that occurred during the removal of overhead pipelines within the pipe rack located near the 860 Unit Cooling Tower and Hartranft Street in the Point Breeze South Yard (Site) of the approximately 1,300-acre former Philadelphia Energy Solutions Refinery at 3144 Passyunk Avenue, Philadelphia, Pennsylvania (the “Property”) situated in a highly developed area of Philadelphia. The refinery ceased operations in 2019 and has since been undergoing demolition and closure activities. The Site is depicted on Figure 1. The cleanup activities were performed in accordance with the applicable provisions of the Land Recycling and Environmental Remediation Standards Act (Act 2),⁴ administered by the Pennsylvania Department of Environmental Protection (PADEP), to obtain the associated release of environmental cleanup liability. While the Site is located within the Property, closure afforded by the approval of this Final Report will only apply to the Site.

The pipeline that caused the release was an out of service line used to remove water from two aboveground storage tanks used to store crude oil in the Point Breeze South Yard (i.e., PB 840 and PB 843). The total area of the release was approximately 1,600 square feet, and 1,200 square feet of this area is an asphalt roadway. NorthStar Contracting Group, Inc. (NorthStar) conducted immediate cleanup actions relating to the residual liquids remaining on the low-permeability asphalt. Soil located beneath this asphalt is not expected to have been impacted by the release. The remaining 400 square feet of the release occurred on soil adjacent to the asphalt.

Terraphase submitted a Notice of Intent to Remediate (NIR) to PADEP on March 4, 2022. A copy of the NIR was also submitted to the local municipality (City of Philadelphia) and a legal notification was published in the *Philadelphia Inquirer* with service to the area. The NIR indicates that Site soils will be remediated to the non-residential Statewide Health Standard (SHS).⁵ In addition, notification of this Final Report submittal to PADEP was sent to the City of Philadelphia and a legal notification was published in the *Philadelphia Inquirer* with service to the area. Copies of the notification documents are included in Appendix A. This report was prepared in accordance with the *Act 2 Technical Guidance Manual*⁶ (TGM) and is intended to provide the PADEP with a summary of the soil remediation activities performed at the Site. Section 2 details the Site setting, including geology and hydrogeology. Section 3 details the remediation and Site characterization activities. Section 4 provides an ecological screening evaluation. Section 5 provides a demonstration of attainment. Conclusions are presented in Section 6.

⁴ <https://www.pacodeandbulletin.gov/Display/pacode?file=/secure/pacode/data/025/chapter250/chap250toc.html>

⁵ <https://www.dep.pa.gov/Business/Land/LandRecycling/Standards-Guidance-Procedures/Pages/Statewide-Health-Standards.aspx>

⁶ <https://www.dep.pa.gov/Business/Land/LandRecycling/Standards-Guidance-Procedures/Guidance-Technical-Tools/Pages/Technical-Guidance-Manual.aspx>



2 Site Setting

This section briefly describes the Site location, operational history of the Property, and the regional geology and hydrogeology of the Site, Property, and the surrounding area.

2.1 Site Description

PESRM owns the approximately 1,300-acre Property that is situated in a highly developed area of Philadelphia (Figure 1). The Property is developed with large tanks, buildings, pipelines, and roads and was formerly used as a petroleum refinery. The Site is located at the 860 Unit Cooling Tower and Hartranft Street in the Point Breeze South Yard. The nearest residential area is located approximately 0.5 miles east of the Site.

The Site is accessed from Hartranft Street and its central portion is covered with asphalt. There are no on-site surface water bodies, and the Schuylkill River is located approximately 900 feet west.

2.2 Operational History

The former petroleum refinery operated between 1860 and 2019. Since ceasing operations in 2019, the Property has been undergoing demolition and closure activities.

2.3 Topography

Topography at the Property is generally flat. Regional topography slopes gently to the west towards the Schuylkill River, the nearest water body to the Site, and to the south towards the Delaware River. The ground surface is approximately 10 feet above mean sea level.

2.4 Site Geology

The Site is situated in the Atlantic Coastal Plain Physiographic Province of southeastern Pennsylvania, with geology consisting of unconsolidated sediments underlain by schist, gneiss, and other metamorphic bedrock⁷.

2.5 Site Hydrogeology

Based on previous environmental reporting at the Property,⁸ shallow groundwater flows to the west toward the Schuylkill River. Groundwater was not encountered during remediation and Site characterization activities.

⁷ library.dcnr.pa.gov/GetDocument?docid=1752507&DocName=Map13_PhysProvs_Pa.pdf

⁸ GHD Group Pty Ltd, Remedial Investigation Report – AOI-7 Girard Point Refinery, June 9, 2017.



3 Remediation and Site Characterization Activities

On October 11, 2021, a petroleum release occurred during the removal of overhead pipelines within the pipe rack located near the Site. NorthStar had been conducting tank and pipeline decommissioning activities in the area.

The pipeline that caused the release was an out of service line used to remove water from two aboveground storage tanks formerly used to store crude oil in the Point Breeze South Yard (i.e., PB 840 and PB 843). The total area of the release was approximately 1,600 square feet, and 1,200 square feet of this area is an asphalt roadway. The remaining 400 square feet of the release occurred on soil adjacent to the asphalt (Figure 2). On October 11, 2021, NorthStar reported a Notification of Release to the PADEP Southeast Regional Office of oily water directly to the road surface which migrated to the curb areas and contacted soil (Appendix B). NorthStar conducted immediate cleanup actions relating to the residual liquids remaining on the low-permeability asphalt. Soil located beneath this asphalt is not expected to have been impacted by the release.

NorthStar proceeded to conduct a limited soil excavation in the unpaved areas impacted by the release. Surficial soil up to 1 foot in depth was removed using an excavator and screened for signs of impact. Impacted soil was identified using a photoionization detector, olfactory evidence, and visual staining as indicators. Approximately 12 to 14 cubic yards of soil were removed and deposited in a roll-off container. Post-excavation soil sampling activities were also conducted by NorthStar.

Title 25 of Pennsylvania Code 250, Section 707(b)(1)(B)(VI) states “For sites where there is a release to surface soils resulting in excavation of 50 cubic yards or less of contaminated soil, two samples shall be collected.” On October 12, 2021, as a conservative approach, NorthStar collected six post-excavation soil samples (more than required) from the excavation base, where no obvious signs of impact post-excavation were identified in remaining soil (Figure 2). A supplemental sampling event was conducted at the same six locations on November 29, 2021, by Ransom Consulting, LLC to collect samples for analysis of additional parameters.

Impacted and potentially impacted soil was transferred to a roll-off container. On January 6, 2022, the 16.3 tons of soil from the Site was disposed of at the Pure Soil Technologies facility in Jackson, New Jersey. Disposal documentation is provided in Appendix C.

Because Terraphase could not confirm the type of petroleum product released, soil samples were submitted for the following PADEP Short Lists of Petroleum Products inventory (Table III-5 of the TGM [March 2021]):

- **Leaded Gasoline, Aviation Gasoline and Jet Fuel:** benzene, toluene, ethyl benzene, xylenes (total), cumene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,2-dichloroethane, 1,2-dibromoethane, and lead.
- **Unleaded Gasoline:** benzene, toluene, ethyl benzene, xylenes (total), cumene, methyl tert-butyl ether, naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene.



- **Kerosene, Fuel Oil No. 1:** benzene, toluene, ethyl benzene, cumene, methyl tert-butyl ether, naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene.
- **Diesel Fuel and Fuel Oil No. 2:** benzene, toluene, ethyl benzene, cumene, methyl tert-butyl ether, naphthalene, 1,2,4-trimethyl benzene, and 1,3,5-trimethyl benzene.
- **Fuel Oil Nos. 4, 5, and 6, and Lubricating Oils and Fluids:** benzene, naphthalene, fluorene, anthracene, phenanthrene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, and benzo(g,h,i)perylene.

Laboratory analytical services were provided for the initial sampling of volatile organic compounds and lead by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania, and for the follow-up samples collected for semi-volatile organic compounds by Alpha Analytical, Inc. of Westborough, Massachusetts; both Pennsylvania-accredited laboratories. Soil samples submitted for analyses during the Site characterization were placed directly into laboratory-provided glassware and stored on ice in a cooler under appropriate chain-of-custody protocol. Copies of the laboratory data deliverables are included as Appendix D. The results of this sampling are discussed in Section 3.2 below.

3.1 Selection of Standards

The analytical results for the soil samples were compared to the Pennsylvania SHS and vapor intrusion screening values listed below and are intended to evaluate potential soil exposure pathways based upon current and reasonably expected future use of the Site, as follows:

- State-Wide Health Non-residential Direct Contact Soil Standards (more stringent of 0–2 and 2–15 feet);
- State-Wide Health Non-residential Soil-to-Groundwater Standards for Used Aquifers (total dissolved solids less than 2,500 milligrams per liter); and
- State-Wide Health Non-residential Vapor Intrusion Soil Screening Values.

3.2 Site Characterization Results

Analytical results associated with the post-excavation soil sampling activities are summarized in Table 1. All the targeted constituents, except benzene, 1,2-dibromomethane, 1,2-dichloroethane, methyl tert-butyl ether and toluene, were detected at concentrations greater than the laboratory reporting limits in at least one of the six post-excavation samples. However, all the reported detected concentrations were less than the applicable standards noted above.

4 Ecological Screening Evaluation

The following describes the ecological screening evaluation that was performed for the Site. This evaluation was conducted in accordance with Section II.B.5 of the PADEP TGM. The regulatory framework for conducting an ecological screening evaluation under the SHS is outlined in Section II.B.2(e) and summarized in the Ecological Screening Flow Chart provided in Figure II-16 of the TGM. The key elements of the screening procedure are comprised of nine steps.

The initial screening phase of the process consists of Steps 1 and 2, as follows:

- Step 1: Presence of Light Petroleum Product Constituents; and
- Step 2: Site Size.

As indicated on Figure II-16 of the TGM, after completion of the initial screen (Steps 1 and 2), the remediator may be able to determine that no further ecological screening is required.

Step 1: Presence of Light Petroleum Product Constituents

The first step in the ecological screening process is to determine whether the constituents present in on-site surface soils (soils at a depth of up to 2 feet) or sediments are related only to light petroleum products (i.e., gasoline, jet fuel A, kerosene, #2 fuel oil/diesel fuel), which have relatively low polycyclic aromatic hydrocarbon content (ASTM International E1739-95).⁹ If light petroleum product constituents (including benzene, toluene, ethylbenzene, and xylene) are the only constituents detected on-site, then the screening process moves to Step 9 (Final Report: No Further Ecological Evaluation Required). Although light petroleum product constituents are present in the post-excavation soil samples, sampling results also indicate the presence of other constituents. The screening process continues to Step 2 (Site Size).

Step 2: Site Size

The second step in the ecological screening process is determining the area of exposed and contaminated surface soil (soil at a depth of up to 2 feet) and sediments that are of potential ecological concern. The minimum areas are: 2 acres of exposed and contaminated surface soil or 1,000 square feet of contaminated sediment. If the area of the site is smaller than the specified minimum areas, then the screening process moves to Step 9 (Final Report: No Further Ecological Evaluation Required).

Because no sediment is present at the Site and the area of the excavation encompassed 400 square feet (0.009 acres, less than the minimum), no further ecological evaluation is required.

⁹ ASTM International, Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites, 2015.

5 Demonstration of Attainment

This section provides a summary of the soil constituents detected at the Site based on the characterization activities and demonstrates attainment of the SHS. Based on the characterization results, the Site has been remediated to the non-residential SHS.

Soil investigation results indicate concentrations of the following constituents of concern, with maximum detected concentrations shown, and attainment of a standard:

| Soil | | | |
|--|-------------------------------|-----------------------------------|--------------------|
| Constituent | Maximum Concentration (mg/kg) | Location of Maximum Concentration | Selected Standards |
| Volatile Organic Compounds | | | |
| Cumene | 0.49 | CONF-SOIL-1 | SHS |
| Ethyl Benzene | 0.063 J | CONF-SOIL-4 | SHS |
| Naphthalene | 2.9 | CONF-SOIL-4 | SHS |
| 1,2,4-Trimethylbenzene | 6 | CONF-SOIL-4 | SHS |
| 1,3,5-Trimethylbenzene | 1.7 | CONF-SOIL-4 | SHS |
| Xylenes (Total) | 0.62 | CONF-SOIL-4 | SHS |
| Semi-volatile Organic Compounds | | | |
| Anthracene | 4 | CONF-SOIL-6 | SHS |
| Benzo(a)anthracene | 7.5 | CONF-SOIL-6 | SHS |
| Benzo(a)pyrene | 7.1 | CONF-SOIL-6 | SHS |
| Benzo(b)fluoranthene | 9.6 | CONF-SOIL-6 | SHS |
| Benzo(g,h,i)perylene | 4.3 | CONF-SOIL-6 | SHS |
| Chrysene | 7.5 | CONF-SOIL-6 | SHS |
| Fluorene | 5.3 | CONF-SOIL-6 | SHS |
| Phenanthrene | 12 | CONF-SOIL-6 | SHS |
| Pyrene | 14 | CONF-SOIL-6 | SHS |
| Metals | | | |
| Lead | 45 | CONF-SOIL-1 | SHS |

mg/kg = milligrams per kilogram

6 Conclusion

Soil remediation and characterization activities have been completed to address a petroleum release that occurred during the removal of overhead pipelines within the pipe rack located near the Site in accordance with Act 2. Based on the soil characterization results, the identified constituent concentrations in post-excavation soil samples are less than concentrations that would be considered by PADEP to be protective of nonresidential exposure. Terraphase concludes that all requirements of Act 2 have been met, and as such, PESRM qualifies for the cleanup liability protection under Act 2 for detected petroleum constituents in soil at the site of the pipeline release.



Table

1 Soil Analytical Results



Table 1

Soil Analytical Results

860 Unit Hartranft - Pipeline Release

Philadelphia Energy Solutions Refining and Marketing, LLC, Philadelphia, PA

| Location | Non-Residential | Non-Residential Soil to | Non-Residential | CONF-SOIL-1 | CONF-SOIL-2 | CONF-SOIL-3 | CONF-SOIL-4 | CONF-SOIL-5 | CONF-SOIL-6 |
|--|-----------------|-------------------------|----------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Sample Method | Direct Contact | GW MSCs for Used | Soil Vapor Intrusion | Grab | Grab | Grab | Grab | Grab | Grab |
| Comments | MSCs for Soil | Aquifers (TDS<=2500) | Screening Value | Post-Excavation ² | Post-Excavation ² | Post-Excavation ² | Post-Excavation ² | Post-Excavation ² | Post-Excavation ² |
| Volatile Organic Compounds | | | | | | | | | |
| Benzene | 280 | 0.5 | 0.13 | ND (0.39) | ND (0.31) | ND (0.3) | ND (0.3) | ND (0.28) | ND (0.36) |
| Cumene | 10000 | 2500 | 2500 | 0.49 (0.39) | ND (0.31) | ND (0.3) | 0.15 J (0.3) | ND (0.28) | 0.039 J (0.36) |
| 1,2-Dibromoethane | 3.7 | 0.005 | 0.0013 | ND (0.39) | ND (0.31) | ND (0.3) | ND (0.3) | ND (0.28) | ND (0.36) |
| 1,2-Dichloroethane | 85 | 0.5 | 0.1 | ND (0.39) | ND (0.31) | ND (0.3) | ND (0.3) | ND (0.28) | ND (0.36) |
| Ethyl Benzene | 880 | 70 | 46 | 0.036 J (0.39) | ND (0.31) | ND (0.3) | 0.063 J (0.3) | ND (0.28) | ND (0.36) |
| Methyl tert-butyl ether | 8500 | 96 | 1.4 | ND (0.39) | ND (0.31) | ND (0.3) | ND (0.3) | ND (0.28) | ND (0.36) |
| Naphthalene | 66 | 25 | 25 | 0.37 J (0.39) | ND (0.31) | ND (0.3) | 2.9 (0.3) | ND (0.28) | 0.65 (0.36) |
| Toluene | 10000 | 100 | 44 | ND (0.39) | ND (0.31) | ND (0.3) | ND (0.3) | ND (0.28) | ND (0.36) |
| 1,2,4-Trimethylbenzene | 4700 | 300 | 35 | 0.89 (0.39) | 0.063 J (0.31) | 0.05 J (0.3) | 6 (0.3) | 0.076 J (0.28) | 0.23 J (0.36) |
| 1,3,5-Trimethylbenzene | 4700 | 93 | 210 | 0.37 J (0.39) | ND (0.31) | ND (0.3) | 1.7 (0.3) | ND (0.28) | 0.075 J (0.36) |
| Xylenes (total) | 7900 | 1000 | 990 | 0.25 J (0.78) | ND (0.61) | ND (0.61) | 0.62 (0.6) | ND (0.57) | ND (0.72) |
| Semi-Volatile Organic Compounds | | | | | | | | | |
| Anthracene | 190000 | 350 | -- | ND (0.12) | ND (0.12) | 0.14 (0.11) | ND (0.11) | ND (0.11) | 4 (0.52) |
| Benzo(a)anthracene | 130 | 340 | -- | 0.071 J (0.12) | 0.078 J (0.12) | 0.45 (0.11) | ND (0.11) | ND (0.11) | 7.5 (0.52) |
| Benzo(a)pyrene | 91 | 46 | -- | 0.09 J (0.16) | 0.073 J (0.16) | 0.45 (0.14) | ND (0.15) | ND (0.14) | 7.1 (0.7) |
| Benzo(b)fluoranthene | 76 | 170 | -- | 0.12 (0.12) | 0.089 J (0.12) | 0.56 (0.11) | ND (0.11) | ND (0.11) | 9.6 (0.52) |
| Benzo(g,h,i)perylene | 190000 | 180 | -- | 0.097 J (0.16) | 0.043 J (0.16) | 0.29 (0.14) | ND (0.15) | ND (0.14) | 4.3 (0.7) |
| Chrysene | 760 | 230 | -- | 0.072 J (0.12) | 0.068 J (0.12) | 0.43 (0.11) | ND (0.11) | ND (0.11) | 7.5 (0.52) |
| Fluorene | 130000 | 3800 | -- | ND (0.21) | 0.06 J (0.19) | ND (0.18) | ND (0.19) | ND (0.18) | 5.3 (0.87) |
| Phenanthrene | 190000 | 10000 | -- | 0.071 J (0.12) | 0.096 J (0.12) | 0.48 (0.11) | ND (0.11) | 0.028 J (0.11) | 12 (0.52) |
| Pyrene | 96000 | 2200 | -- | 0.091 J (0.12) | 0.11 J (0.12) | 0.75 (0.11) | ND (0.11) | ND (0.11) | 14 (0.52) |
| Metals | | | | | | | | | |
| Lead | 1000 | 450 | -- | 45 (1.4) | 19 (1.5) | 21 (1.6) | 21 (1.2) | 20 (1.4) | 32 (1.8) |

Notes:

- 1 All concentrations are presented in mg/kg (ppm). Detection limits are in parentheses.
- 2 Post-Excavation Soil Samples were collected from the surface of the bottom of the excavation.
- 3 The Non-Residential Direct Contact MSCs for Soil presented are the more stringent of the Non-Residential Direct Contact MSCs for Surface Soil (0-2 ft) and Non-Residential Direct Contact MSCs for Subsurface Soil (2-15 ft).
- 4 Volatile organic compounds and lead were sampled on 10/12/2021 and semi-volatile organic compounds were sampled on 11/29/2021.
- 5 None of the concentrations exceed the PADEP Non-Residential Direct Contact MSCs for Soil.
- 6 None of the concentrations exceed the PADEP Non-Residential Soil to Ground Water MSCs for Used Aquifers (TDS<=2500).
- 7 None of the concentrations exceed the PADEP Non-Residential Soil Vapor Intrusion Screening Value.

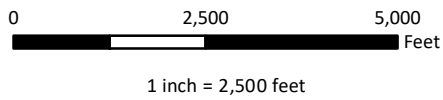
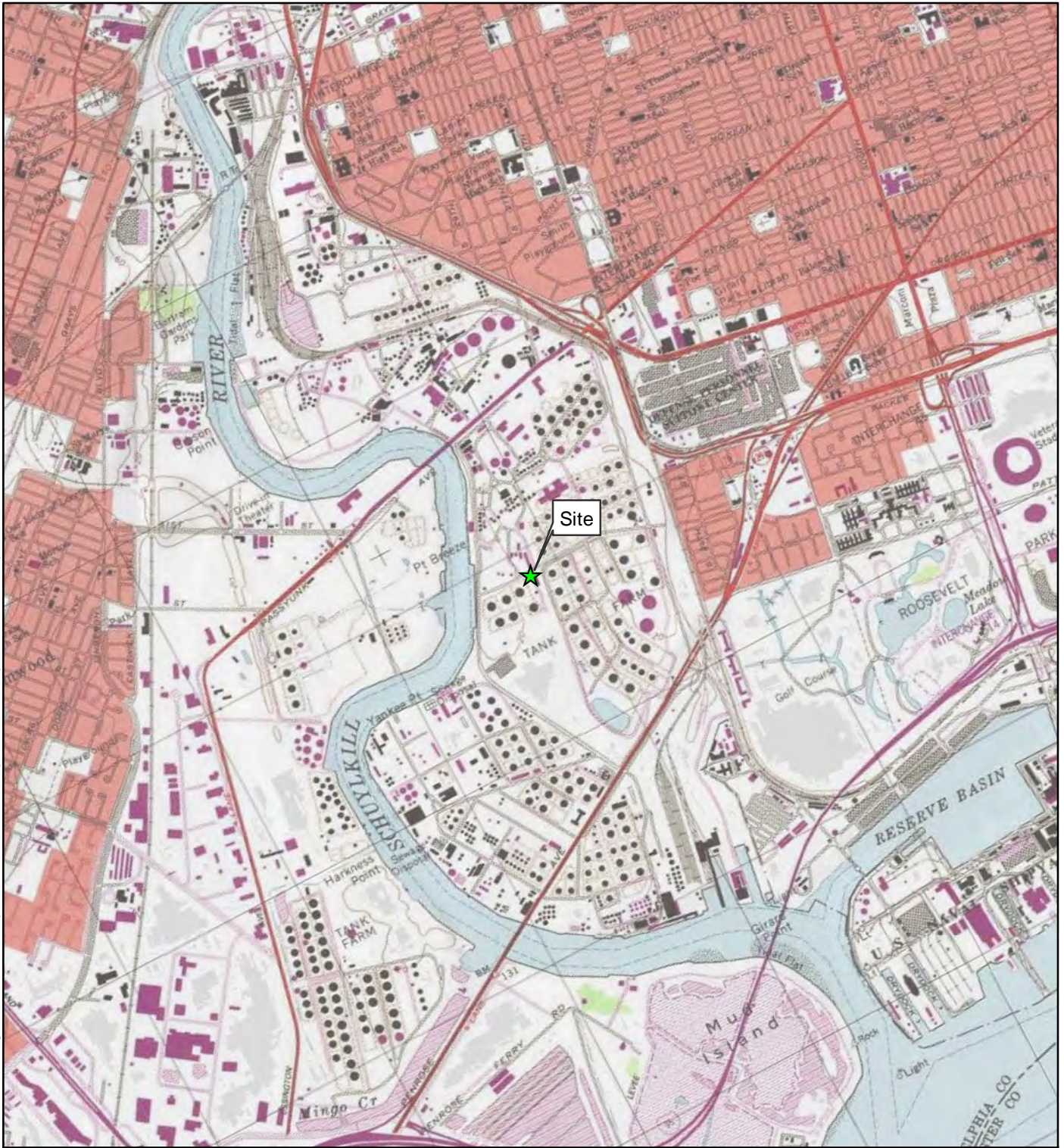
Abbreviations:

- ND -- Not Detected.
- J -- Estimated Concentration.

Figures

- 1 Site Location Map
- 2 Site Layout and Sample Location Map





Legend

★ Site Location

Base Map: USGS Philadelphia (1995) 7.5 Minute Quadrangle.

SAFETY FIRST



CLIENT: Philadelphia Energy Solutions Refining and Marketing LLC

PROJECT: Pipeline Release at 860 Unit Cooling Tower

PROJECT NUMBER: P044.001.004

Site Location Map

FIGURE 1

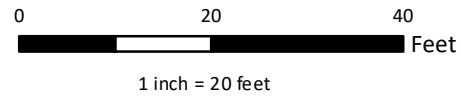
File: N:\GIS\SP\1\044_001_PESRM-PES\WAXDs\Pipeline Release - 860 Unit Hartranft\Figure 2 - Site Layout and Sample Location Map.mxd 12/14/2021. Created by: MLC Checked by: RKW Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet



Legend

- Confirmation Soil Sample Location
- Approximate Act 2 Site
- Soil Excavation Area

Notes:
Aerial imagery source Maxar 10/19/2019



| | | |
|--|--|--|
| | CLIENT: Philadelphia Energy Solutions Refining and Marketing LLC | Site Layout and Sample Location Map |
| | PROJECT: Pipeline Release at 860 Unit Cooling Tower | |
| | PROJECT NUMBER: P044.001.004 | |

Figure 2

Appendix A

Notice of Intent Documents



NOTICE OF INTENT TO REMEDIATE

Act 1995-2 requires four general information items to be included in the NIR: the general location, listing of contaminants, intended use of property, and proposed remediation measures. In addition, indicate the standard(s) to be obtained (if known) and attach a scaled site map (if available).

Property Name 860 Unit Cooling Tower and Hartranft Street – Point Breeze South Yard

Former Name(s) / AKA Former Philadelphia Energy Solutions Refinery

Address / Location 3144 Passyunk Avenue

City Philadelphia Zip Code 19153

Municipality(s) Philadelphia County(ies) Philadelphia County

Latitude 39 ° (deg). 54 ' (min) 44.037 " (sec) Longitude 75 ° (deg). 12 ' (min) 1.219 " (sec)

Horizontal Collection Method GIS

Horizontal Reference Datum NAD83 Reference Point see Figure 1 attached

Wish to participate in the DEP/EPA MOA. Contact the Land Recycling Program Manager at landrecycling@pa.gov for details.

EPA ID#, if known _____

DEP ID#(s), if known 51-33620

(i.e., eFACTS site ID#, storage tank facility ID#, water quality permit #, watershed permit, air quality permit #, etc.)

Date Release Occurred (if known) October 11, 2021

Provide a brief description of the site contamination in plain language (e.g. fuel oil spill, historical chemical industrial area contamination), the names of any know primary contaminants to be addressed, and the intended future use of the property.

A petroleum release occurred during the removal of overhead pipelines within the pipe rack located near the 860 Unit Cooling Tower and Hartranft Street. The pipeline that caused the release was an out of service line used to remove water from two aboveground storage tanks (ASTs) in the Point Breeze South Yard (i.e., PB 840 and PB843). Both ASTs were formerly used to store crude oil. The total area of the release was approximately 1,600 square feet, 1,200 square feet of which is comprised of an asphalt roadway. The remaining 400 square feet of the release occurred on soil where approximately 12 to 14 cubic yards of soil were removed and containerized in a roll-off container and disposed of off-site. The future use of the property is expected to be non-residential.

Provide a general description of proposed remediation measures.

A prompt interim response, including removal of 12 to 14 cubic yards of soil, was conducted immediately following discovery of the release. The soil was staged in a roll-off container and transported to Pure Soil Technologies in Jackson, NJ for recycling. Post excavation sampling has revealed no exceedances of the non-residential Statewide Health Standard.

Remediation Standard(s) planned (if known at this time):

- | | | |
|---|--|--------------------------------------|
| <input type="checkbox"/> Unknown at this time | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Background Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Statewide Health - Residential Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input checked="" type="checkbox"/> Statewide Health – Non-Residential Contaminants: petroleum constituents | <input checked="" type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Site Specific Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Special Industrial Area* Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |

*NOTE: Specific standard or Special Industrial Area require a 30-day municipal comment period

Remediator / Property Owner / Consultant. Complete the form below for each recipient obtaining a release of liability upon approval of the final report. Attach additional sheets as necessary.

| | | |
|---|---|--|
| Remediator | | |
| Contact Person/Title | <u>Anne Garr / Assistant Secretary</u> | eFACTS Client ID* <u>Facility No. 51-33620</u> |
| Relationship to Site | <u>Owner</u> | Client Type* <u>LLC</u> |
| (e.g. owner, remediator, participant in cleanup, consultant, etc.) | | |
| Phone Number | <u>(312) 283-4469</u> | Email Address <u>agarr@hilcoglobal.com</u> |
| Company Name | <u>Philadelphia Energy Solutions Refining and Marketing LLC</u> | EIN or Federal ID # _____ |
| Address (street, city, state, zip) <u>111 S Wacker Dr, Suite 3000, Chicago, IL, 60606</u> | | |

| | | |
|---|---|--|
| Property Owner | | |
| Contact Person/Title | <u>Anne Garr / Assistant Secretary</u> | eFACTS Client ID* <u>Facility No. 51-33620</u> |
| Relationship to Site | <u>Owner</u> | Client Type* <u>LLC</u> |
| (e.g. owner, remediator, participant in cleanup, consultant, etc.) | | |
| Phone Number | <u>(312) 283-4469</u> | Email Address <u>agarr@hilcoglobal.com</u> |
| Company Name | <u>Philadelphia Energy Solutions Refining and Marketing LLC</u> | EIN or Federal ID # _____ |
| Address (street, city, state, zip) <u>111 S Wacker Dr, Suite 3000, Chicago, IL, 60606</u> | | |

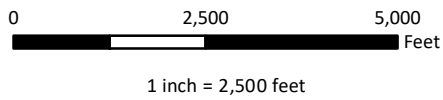
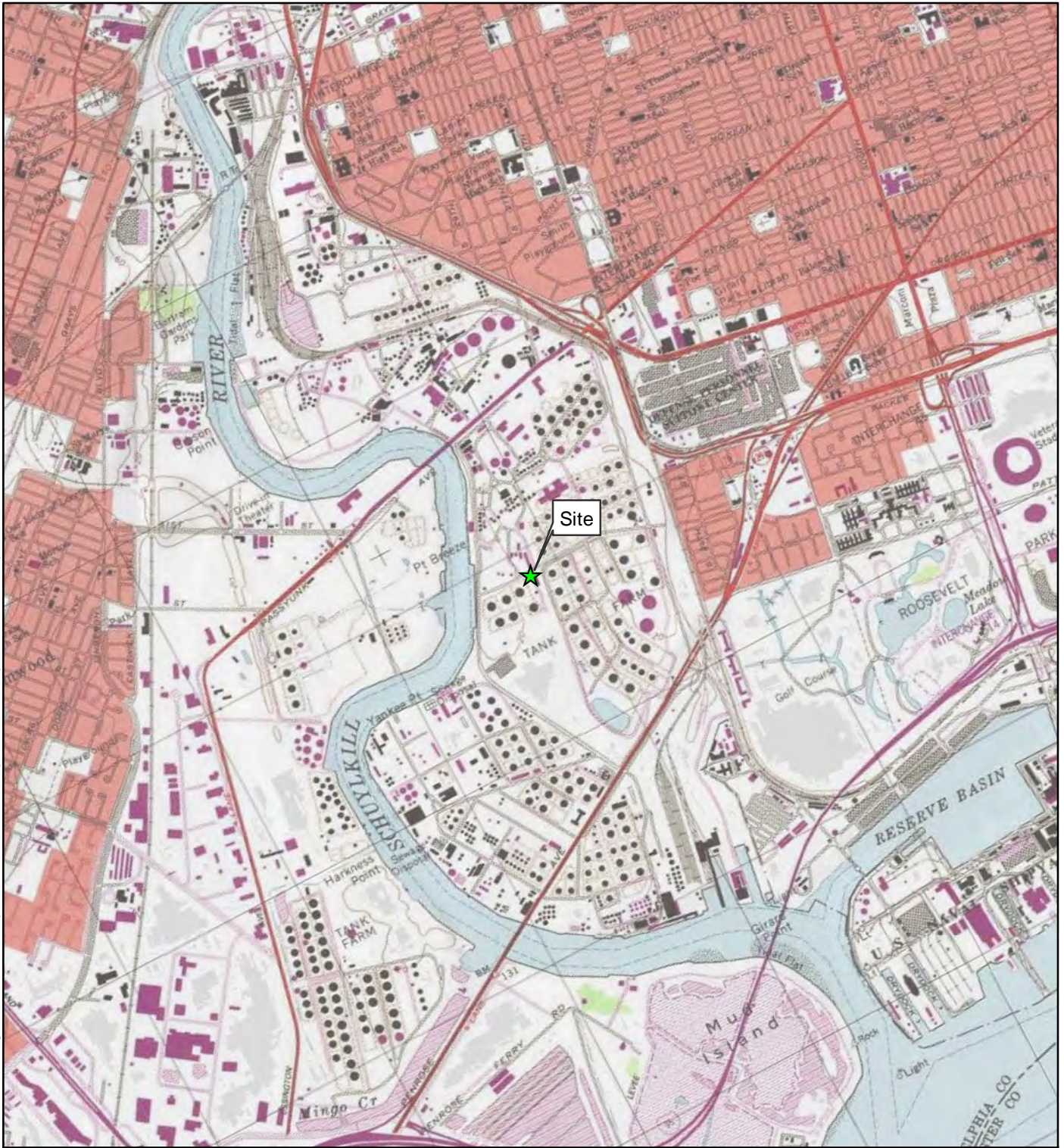
| | | |
|---|--|---|
| Consultant | | |
| Contact Person/Title | <u>Kevin Long / Principal Consultant</u> | eFACTS Client ID* _____ |
| Relationship to Site | <u>Consultant</u> | Client Type* <u>Corporation</u> |
| (e.g. owner, remediator, participant in cleanup, consultant, etc.) | | |
| Phone Number | <u>609-236-8171, ext 93</u> | Email Address <u>kevin.long@terrphase.com</u> |
| Company Name | <u>Terraphase Engineering Inc.</u> | EIN or Federal ID # <u>27-3543127</u> |
| Address (street, city, state, zip) <u>100 Canal Pointe Blvd, Suite 108, Princeton, NJ 08540</u> | | |

*Include eFACTS Client ID (if known) – “Client Types” below:

- | | | |
|--------------------------|-------------------------------|---------------------|
| Association/Organization | Limited Liability company | Partnership-General |
| Authority | Limited Liability Partnership | Partnership-Limited |
| County | Municipality | School District |
| Estate/Trust | Non-Pennsylvania Government | Sole Proprietorship |
| Federal Agency | Other (Non-Government) | State Agency |
| Individual | Pennsylvania Corporation | |

| | | |
|--|--|---|
| Preparer of Notice of Intent to Remediate | | |
| Name | <u>Kevin Long / Principal Consultant</u> | Title <u>Principal Consultant</u> |
| Phone Number | <u>609-236-8171, ext 93</u> | Email Address <u>kevin.long@terrphase.com</u> |
| Company Name | <u>Terraphase Engineering Inc.</u> | eFACTS Client ID _____ |

Address (street, city, state, zip) 100 Canal Pointe Blvd, Suite 108, Princeton, NJ 08540



Legend

★ Site Location

Base Map: USGS Philadelphia (1995) 7.5 Minute Quadrangle.

SAFETY FIRST



CLIENT: Philadelphia Energy Solutions Refining and Marketing LLC

PROJECT: Pipeline Release at 860 Unit Cooling Tower

PROJECT NUMBER: P044.001.004

Site Location Map

FIGURE 1



March 1, 2022

Ms. Leigh Anne Rainford
Philadelphia Department of Public Health
Environmental Health Services
321 University Avenue – 2nd Floor
Philadelphia, PA 19104

sent via UPS, Proof of Delivery Requested

**Subject: Notice of Intent to Remediate
860 Unit Cooling Tower and Hartranft Street – Point Breeze South Yard
Former Philadelphia Energy Solutions Refinery
3144 Passyunk Avenue
Philadelphia, PA 19153**

Dear Ms. Rainford:

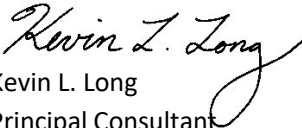
The Land Recycling and Environmental Remediation Standards Act (Act 2) requires that a Notice of Intent to Remediate (NIR) be provided to the municipality in which the site is located. In accordance with this provision of Act 2, Terraphase Engineering, Inc. (Terraphase), on behalf of Philadelphia Energy Solutions Refining and Marketing LLC (PESRM), is formally notifying you of PESRM's intent to remediate the above-referenced site to the non-residential Statewide Health Standard. A copy of the Notice of Intent to Remediate, which will be sent to the Department of Environmental Protection (DEP), is enclosed. This notice will also be published in the Pennsylvania Bulletin, and a summary of the notice will be placed in a local newspaper.

Notice is hereby given that Terraphase, on behalf of PESRM, will submit a final report to the Department of Environmental Protection for the site known as the Former Philadelphia Energy Solutions Refinery located at 3144 Passyunk Avenue, Philadelphia, Pennsylvania. The report indicates that the remediation performed has attained compliance with the statewide health cleanup standard.

This notice is made under the provision of the Land Recycling and Environmental Standards Act, the Act of May 19, 1995, P.L. 4, No. 2. Should you have any questions or comments regarding the proposed remediation, please contact me at kevin.long@terraphase.com or 609-236-8171, ext. 93.

Sincerely,

for Terraphase Engineering Inc.


Kevin L. Long
Principal Consultant

Enclosure: Notice of Intent to Remediate

KL:cs

cc: Julianna Connolly (jconnolly@hilcoglobal.com)
Joseph Jeray (ijeray@hilcoglobal.com)

Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number

1Z75YA673094272907

Weight

0.50 LBS

Service

UPS Next Day Air Saver®

Shipped / Billed On

03/01/2022

Delivered On

03/02/2022 10:14 A.M.

Delivered To

PHILADELPHIA, PA, US

Received By

CD MONROE

Left At

Office

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 03/02/2022 11:10 A.M. EST

**Notice of an Intent
to Remediate to an Environmental Standard
and Notification of Receipt of a Final Report (for Statewide health standard).
(Sections 302(e)(1)(ii), Sections 302(e)(2),
303(h)(1)(ii), 303(h)(2),
304(n)(1)(i), and 305(c)(1))**

Pursuant to the Land Recycling and Environmental Remediation Standards Act, the act of May 19, 1995, P.L. 4, No. 1995-2., notice is hereby given that Philadelphia Energy Solutions Refining and Marketing LLC will submit to the Pennsylvania Department of Environmental Protection a Notice of Intent to Remediate a site located at 3144 Passyunk Avenue, Philadelphia. This Notice of Intent to Remediate states that the site is the Former Philadelphia Energy Solutions Refinery. The site has been found to be contaminated with petroleum constituents which has contaminated soil on the Site. Philadelphia Energy Solutions Refining and Marketing LLC has indicated the proposed remediation measures will consist of soil excavation and disposal. The proposed future use of the property will be non-residential for commercial/industrial use.

Notice is hereby given that Philadelphia Energy Solutions Refining and Marketing LLC will submit a final report to the Pennsylvania Department of Environmental Protection, Southeast Regional Office, to demonstrate attainment of the Statewide health standard for a site located at located at 3144 Passyunk Avenue, Philadelphia, Pennsylvania. Philadelphia Energy Solutions Refining and Marketing LLC has indicated that the remediation measures taken have attained compliance with the Statewide health clean up standard established under the Land Recycling and Environmental Remediation Standards Act.

This notice is made under the provision of the Land Recycling and Environmental Remediation Standards Act, the Act of May 19, 1995, P.L. #4, No. 2.

The Philadelphia Inquirer

801 MARKET STREET, SUITE 300, PHILADELPHIA, PA 19107

Affidavit of Publication

On Behalf of:
TERRAPHASE ENGINEERING
1100 E HECTOR ST
SUITE 416
CONSHOHOCKEN, PA 19428

STATE OF PENNSYLVANIA COUNTY OF PHILADELPHIA:

Before the undersigned authority personally appeared the undersigned who, on oath represented a and say: that I am an employee of The Philadelphia Inquirer, LLC, and am authorized to make this affidavit of publication, and being duly sworn, I depose and say:

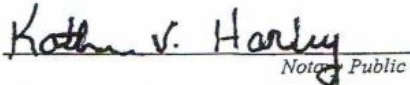
1. The Philadelphia Inquirer, LLC is the publisher of the Philadelphia Daily News, with its headquarters at 801 Market Street, Suite 300, Philadelphia, Pennsylvania 19107.
2. The Philadelphia Daily News is an edition of The Philadelphia Inquirer. The Philadelphia Daily News is continuously published and distributed Sunday-Friday in the City of Philadelphia, count and state aforesaid.
3. The printed notice or publication attached hereto set forth on attached hereto was published in all regular print editions of the Philadelphia Daily News on

Legal Notices

as published in Daily News Legals in the issue(s) of:

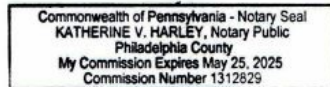
3/4/2022

4. Under oath, I state that the following is true and correct, and that neither I nor The Philadelphia Inquirer, LLC have any interest in the subject matter of the aforesaid notice or advertisement.



Notary Public

My Commission Expires:



Ad No: 98349
Customer No: 104799

COPY OF ADVERTISEMENT

Notice of an Intent to Remediate to an Environmental Standard and Notification of Receipt of a Final Report (for Statewide health standard). (Sections 302(e)(1)(ii), Sections 302(e)(2), 303(h)(1)(ii), 303(h)(2), 304(n)(1)(i), and 305(c)(1))

Pursuant to the Land Recycling and Environmental Remediation Standards Act, the act of May 19, 1995, P.L. 4, No. 1995-2., notice is hereby given that Philadelphia Energy Solutions Refining and Marketing LLC will submit to the Pennsylvania Department of Environmental Protection a Notice of Intent to Remediate a site located at 3144 Passyunk Avenue, Philadelphia. This Notice of Intent to Remediate states that the site is the Former Philadelphia Energy Solutions Refinery. The site has been found to be contaminated with petroleum constituents which has contaminated soil on the Site. Philadelphia Energy Solutions Refining and Marketing LLC has indicated the proposed remediation measures will consist of soil excavation and disposal. The proposed future use of the property will be non-residential for commercial/industrial use. Notice is hereby given that Philadelphia Energy Solutions Refining and Marketing LLC will submit a final report to the Pennsylvania Department of Environmental Protection, Southeast Regional Office, to demonstrate attainment of the Statewide health standard for a site located at located at 3144 Passyunk Avenue, Philadelphia, Pennsylvania. Philadelphia Energy Solutions Refining and Marketing LLC has indicated that the remediation measures taken have attained compliance with the Statewide health clean up standard established under the Land Recycling and Environmental Remediation Standards Act. This notice is made under the provision of the Land Recycling and Environmental Remediation Standards Act, the Act of May 19, 1995, P.L. #4, No. 2.

Appendix B

Notice of Release - Environmental Incident Report





ENVIRONMENTAL INCIDENT REPORT

Date of Incident: 10/11/2021

Time of Incident: 1030 hrs.

Date of Report: 10/11/2021 Updated 11/8/2021

Report Author: Robert Armstrong, Sr. Project Manager

Incident Location and Relevant Background Information:

The Incident occurred within the former PESRM Refinery where a pipe rack containing various process lines crosses the roadway near the 860 unit cooling tower and Hartranft Street. The scheduled removal of the pipe lines within this pipe rack were in progress at the time of the incident. The pipeline that caused the release was an out of service line used to remove water from AST's 840 & 843. The water was then directed to the Point Breeze BIO Plant for treatment. The location of the area affected by the release is just north and west of the CO2 spheres and AST's PB 840 & 843 (See figures & drawings tab for locations of key features). The total area affected by the release was roughly 1,600 square feet and 1,200 square feet of this area is an asphalt roadway. The remaining 400 square feet represents the impacted soil area and approx. 12 to 14 cy of soil were removed.

Causes & Corrective Actions: (If Applicable - Provide Recognition for Notable and/or Positive Actions that Occurred During the Incident)

| | |
|--------------------------------------|---|
| Finding: | Residual oil and water in pipeline was trapped in low spot of the pipeline. Low spot was not visually obvious without close observation and comparison to |
| Potential Corrective Actions: | <p>a. If possible/practical determine existing low spots that may contain residual material and drain those areas prior to removal</p> <p>b. If low spots cannot be determined or identified or provide adequate containment for material to drain in order to prevent potential</p> <p>c. If access to drain areas of a pipeline suspected to contain residual material consider alternative methods such as a cold tap and divert or direct the flow to a vac truck or container.</p> |
| Positive Feedback: | At the time of the incident additional resources were immediately requested, resulting in preventing migration and reducing the environmental impact. |

Release / Incident Information (check one):

Waste: _____ Petroleum: Residual Oil & Wash Water Other: _____
 Chemical: _____ Gas/Vapor: _____

Nuisance Complaints: N/A

Odor: _____ Fugitive Dust: _____ Noise: _____

Environmental Impact- sensitive receptors - (check all that apply):

Land: X Air: _____ Water: _____ Community: _____

Potential Impact to Gound Water: YES: _____ NO: X

Impact to Community: YES: _____ NO: X

Agency Notification Required: YES: X NO: _____

Notification Made: YES: X NO: _____

Time of Notification: 12:00 hrs. Agency Notified: The PADEP Agency Agency Answering service (follow-up call from K. Bauer @12:30)

Additional Comments:

N/A

Follow-up Remedial Actions:

Confirmatory sampling and Analysis to be performed in the affected soil area

Equipment Utilized During Corrective/Remedial Actions:

| Quantity | Description |
|----------|----------------|
| 1 | skid steer |
| 1 | Vacuum Truck |
| 1 | Roll-Off Box |
| 1 | Roll-off Truck |

| Quantity | Description |
|----------|------------------------------|
| 2 | CY sacks of sorbent material |
| | |
| | |
| | |

| Personnel | Position |
|-----------|------------|
| 3 | Operators |
| 6 | Laborer |
| 2 | Supervisor |
| | |

Analytical Data (received 11/04/2021)

| Incident Date | Laboratory | Sample ID | Sample Collection Date | COC Date | Matrix | Results Comparison to: PA Tables 3a & 4a Residential | Analyses Requested |
|---------------|--------------------|--|------------------------|-----------|--------|--|--|
| 10/11/2021 | Eurofins Lancaster | See COC below: a total of 6 confirmation grab samples and were collected following the cleanup. An additional 2 grab samples and a composite were collected from the roll-off containing the remediated soil. | 10/12/2021 | 1/13/2021 | SOL | see attached: (Under review) | Full Waste Characterization (Additional Paramters Pending) |

Waste Disposition:

Water and Oil collected was sent to the PB BIO Plant for treatment **(Completed)**

TSDF and DOT Shipping information: Contaminated soil in Roll-off # RB44062RT - Submitting profile request to WM week of 11/8/21 (soil will be classified as Non-Haz) and will be shipped upon approval from the landfill. **(In Progress)**



TABLE A PARAMETERS



410-59999-02 Chain of Custody

| | Parameter Name | Type | Category | Limits | Units | 85% of Limit |
|--------------------------|------------------------|-------------|--------------|-----------------|-------|--------------|
| <input type="checkbox"/> | Ignitibility | As Received | | >140 | F | |
| <input type="checkbox"/> | Oil & Grease | As Received | | | mg/kg | |
| <input type="checkbox"/> | Paint Filter Test | As Received | | No free liquids | | |
| <input type="checkbox"/> | PCBs | As Received | | 50 | | |
| <input type="checkbox"/> | pH | As Received | | 2 - 12.5 | S.U. | |
| <input type="checkbox"/> | Reactive Cyanide | As Received | | 100 | | |
| <input type="checkbox"/> | Reactive Sulfide | As Received | | 500 | | |
| <input type="checkbox"/> | Total Solids | As Received | | | | |
| <input type="checkbox"/> | Total Volatile Solids | As Received | | | | |
| <input type="checkbox"/> | Ammonia-Nitrogen | ASTM | | 111111 | mg/l | |
| <input type="checkbox"/> | Chemical Oxygen Demand | ASTM | | | | |
| <input type="checkbox"/> | Oil & Grease | ASTM | | 88550 | mg/l | |
| <input type="checkbox"/> | Total Solids | ASTM | | | | |
| <input type="checkbox"/> | pH | TCLP | | | | |
| <input type="checkbox"/> | Arsenic | TCLP | Metals | 5 | mg/l | 4.25 |
| <input type="checkbox"/> | Barium | TCLP | Metals | 100 | mg/l | 85 |
| <input type="checkbox"/> | Cadmium | TCLP | Metals | 1 | mg/l | 0.85 |
| <input type="checkbox"/> | Chromium | TCLP | Metals | 5 | mg/l | 4.25 |
| <input type="checkbox"/> | Copper | TCLP | Metals | 187 | mg/l | 142 |
| <input type="checkbox"/> | Lead | TCLP | Metals | 5 | mg/l | 4.25 |
| <input type="checkbox"/> | Mercury | TCLP | Metals | 0.2 | mg/l | 0.17 |
| <input type="checkbox"/> | Nickel | TCLP | Metals | 242 | mg/l | 206 |
| <input type="checkbox"/> | Selenium | TCLP | Metals | 1 | mg/l | 0.85 |
| <input type="checkbox"/> | Silver | TCLP | Metals | 5 | mg/l | 4.25 |
| <input type="checkbox"/> | Zinc | TCLP | Metals | 1875 | mg/l | 1594 |
| <input type="checkbox"/> | 2,4-D | TCLP | Herb | 10 | mg/l | 8.5 |
| <input type="checkbox"/> | 2,4,5-TP | TCLP | Herb | 1 | mg/l | 0.85 |
| <input type="checkbox"/> | Chlorfane | TCLP | Pest | 0.03 | mg/l | 0.0255 |
| <input type="checkbox"/> | Endrin | TCLP | Pest | 0.02 | mg/l | 0.017 |
| <input type="checkbox"/> | Heptachlor | TCLP | Pest | 0.008 | mg/l | 0.0068 |
| <input type="checkbox"/> | Heptachlor Epoxide | TCLP | Pest | 0.008 | mg/l | 0.0068 |
| <input type="checkbox"/> | Lindane | TCLP | Pest | 0.4 | mg/l | 0.34 |
| <input type="checkbox"/> | Methoxychlor | TCLP | Pest | 10mg/l | 8.5 | |
| <input type="checkbox"/> | Toxaphene | TCLP | Pest | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | 2,4,5-trichlorophenol | TCLP | Acids | 400 | mg/l | 340 |
| <input type="checkbox"/> | 2,4,6-trichlorophenol | TCLP | Acids | 2 | mg/l | 1.7 |
| <input type="checkbox"/> | m-cresol | TCLP | Acids | 200 | mg/l | 170 |
| <input type="checkbox"/> | o-cresol | TCLP | Acids | 200 | mg/l | 170 |
| <input type="checkbox"/> | p-cresol | TCLP | Acids | 200 | mg/l | 170 |
| <input type="checkbox"/> | Pentachlorophenol | TCLP | Acids | 100 | mg/l | 85 |
| <input type="checkbox"/> | 2,4-dinitrotoluene | TCLP | Base/Neutral | 0.13 | mg/l | 0.1105 |
| <input type="checkbox"/> | Hexachlorobenzene | TCLP | Base/Neutral | 0.13 | mg/l | 0.1105 |
| <input type="checkbox"/> | Hexachlorobutadiene | TCLP | Base/Neutral | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | Hexachloroethane | TCLP | Base/Neutral | 3 | mg/l | 2.55 |

**TABLE A PARAMETERS**

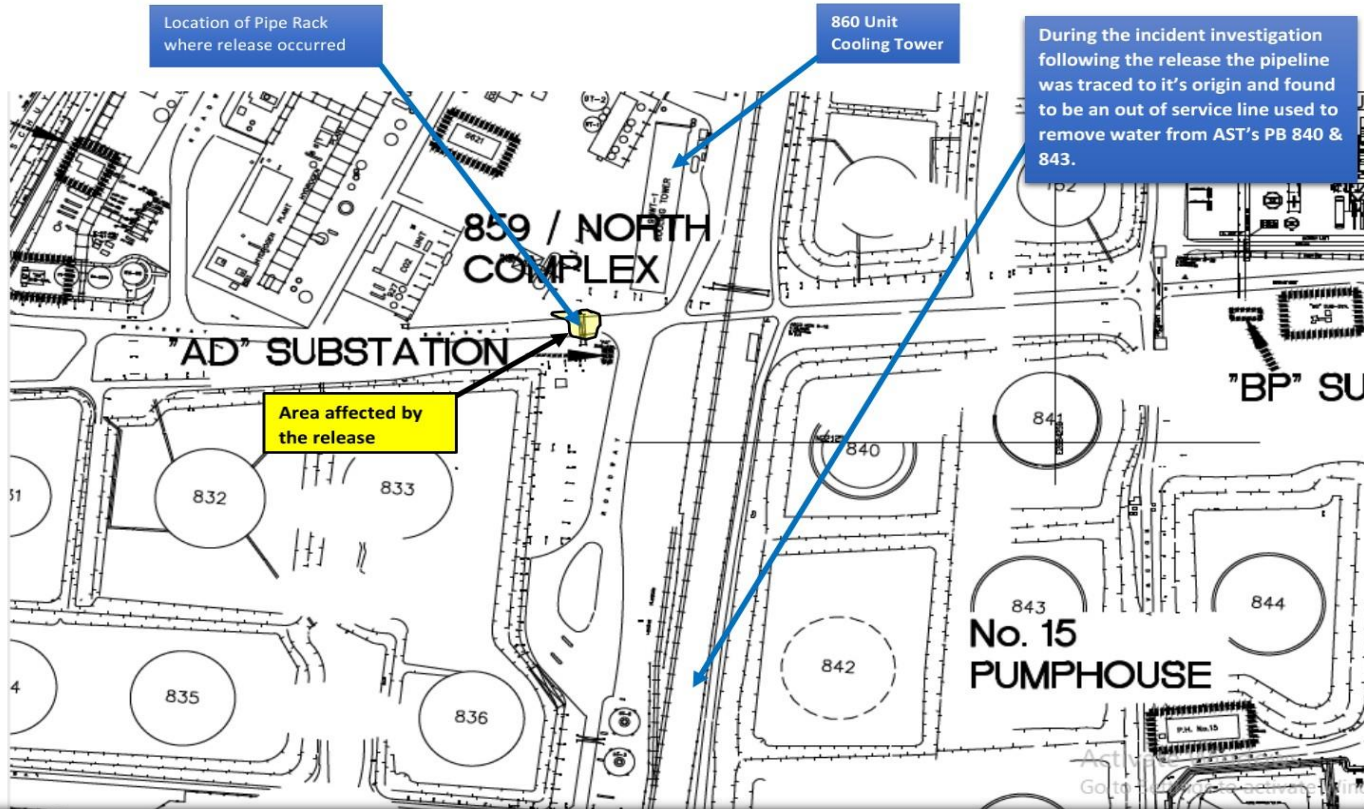
*Volatile Organic Compounds must be taken from discrete samples

| | Parameter Name | Type | Category | Limits | Units | 85% of Limit |
|--------------------------|-----------------------|------|--------------|--------|-------|--------------|
| <input type="checkbox"/> | Nitrobenzene | TCLP | Base/Neutral | 2 | mg/l | 1.7 |
| <input type="checkbox"/> | Pyridine | TCLP | Base/Neutral | 5 | mg/l | 4.25 |
| <input type="checkbox"/> | *1,1-dichloroethylene | TCLP | Volatiles | 0.7 | mg/l | 0.595 |
| <input type="checkbox"/> | *1,2-dichloroethane | TCLP | Volatiles | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | *1,4-dichlorobenzene | TCLP | Volatiles | 7.5 | mg/l | 6.375 |
| <input type="checkbox"/> | *Benzene | TCLP | Volatiles | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | *Carbon Tetrachloride | TCLP | Volatiles | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | *Chlorobenzene | TCLP | Volatiles | 100 | mg/l | 85 |
| <input type="checkbox"/> | *Chloroform | TCLP | Volatiles | 8 | mg/l | 6.8 |
| <input type="checkbox"/> | *Methyl ethyl ketone | TCLP | Volatiles | 200 | mg/l | 170 |
| <input type="checkbox"/> | *Tetrachloroethylene | TCLP | Volatiles | 0.7 | mg/l | 0.595 |
| <input type="checkbox"/> | *Trichloroethylene | TCLP | Volatiles | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | *Vinyl Chloride | TCLP | Volatiles | 0.2 | mg/l | 0.17 |

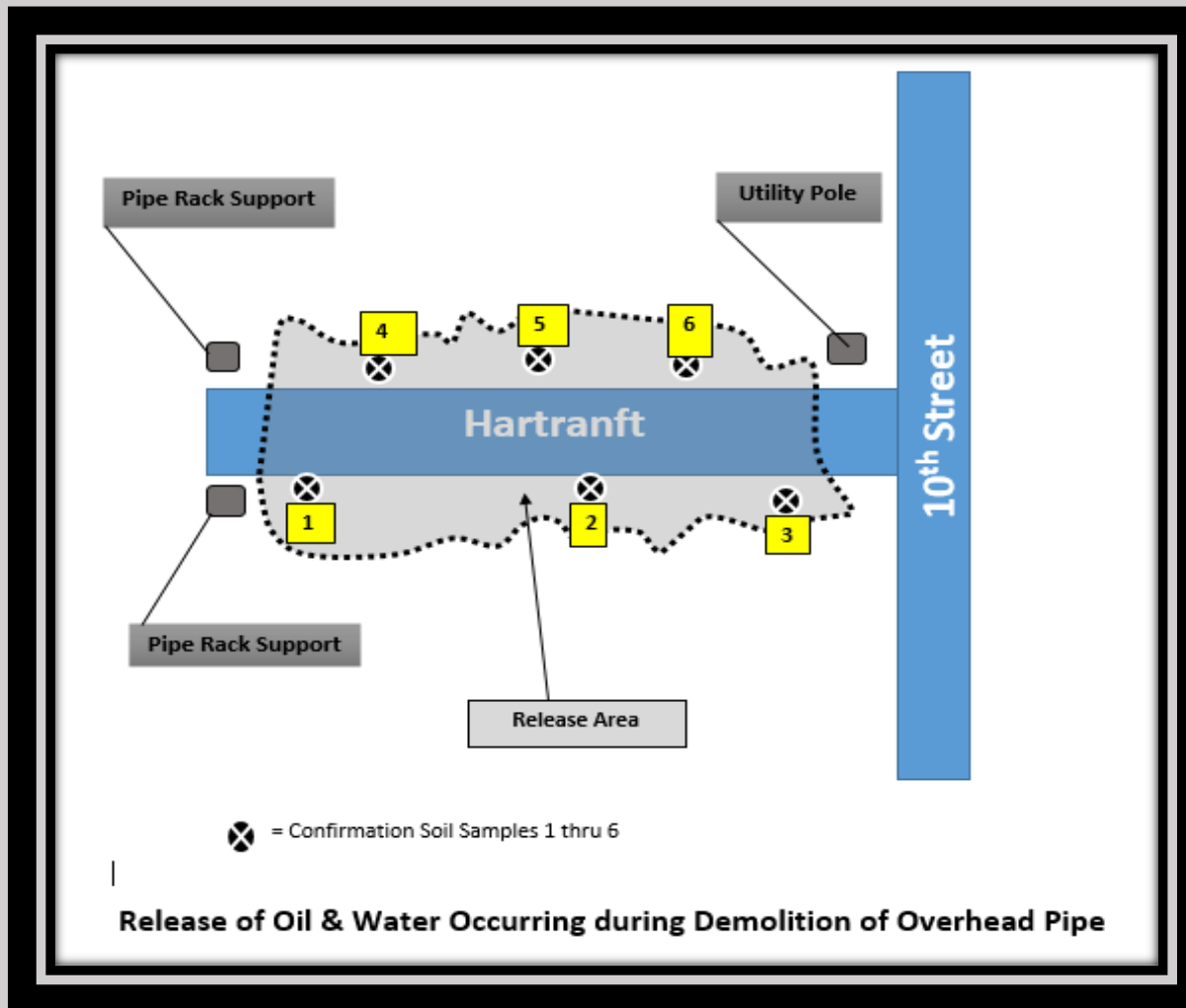
INCIDENT TIMELINE

| DATE | TIME | ACTIVITY |
|------------|-------------|---|
| 10/11/2021 | 1015-1030 | Demolition crew removing decommissioned pipes from pipe rack at 860 unit, a pipe previously flushed contained, but contained some residual oil and water in a low spot in the line. when the pipe was sheared it released residual water and oil directly to the road surface. the material then migrated to the curb areas making contact with soil. |
| | 1030 - 1230 | crews worked to vacuum the oil and water from curb areas and remove surface soil. Completed free liquid & soil removal at 1230hrs. |
| | 1155 - 1210 | Notification made to The PADEP. Message left with answering service. Answering service passed the information on to Mr. Kevin Bauer at the agency |
| | 1230 | Mr. Bauer returned the call and a brief summary of the incident was provided and he |
| | 1255 | Cleanup of the affected area to include the road surface is complete |
| 10/12/2021 | 1000 | Samples collected and prepared for pickup by lab |
| 10/13/2021 | 1225 | Samples transferred to custody of lab courier |
| 11/4/2021 | 1120 | Sample results received from Eurofins and under review. |

INCIDENT LOCATION



Sample Locations: 6 grab confirmation samples (see COC for Sample ID's)





Appendix C

Disposal Documents





PURE SOIL TECHNOLOGIES

P.O. Drawer 43
Farmingdale, NJ 07727
Phone: 732.308.1113 Fax: 732.462.9626

151245

Weigh Scale Ticket #
escala de boleto

NON-HAZARDOUS MATERIAL MANIFEST

You must return 4 copies of this manifest upon delivery.

SITE INFORMATION

Site Name: PES

Address: 1144 PASSYUNK AVE

City, State, Zip: PHILADELPHIA, PA 19145

AGENT / CONSULTANT

Name: R&B DERRIS LLC

Contact Name: PATRICK DURIA

Phone: (609) 361-0056

| <p>Approval Number</p> <p><u>2112037</u></p> | <p>Description of Material</p> <p>Non-Haz Contaminated Soil</p> <p><u>1.8-10864 FT</u></p> | <p>** Must be Initialed By Authorized Agent.</p> <table border="1"> <thead> <tr> <th></th> <th>SITE</th> <th>**INITIALS</th> </tr> </thead> <tbody> <tr> <td>Time Arrive:</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Time Depart:</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table> | | SITE | **INITIALS | Time Arrive: | _____ | _____ | Time Depart: | _____ | _____ |
|--|--|--|--|------|------------|--------------|-------|-------|--------------|-------|-------|
| | SITE | **INITIALS | | | | | | | | | |
| Time Arrive: | _____ | _____ | | | | | | | | | |
| Time Depart: | _____ | _____ | | | | | | | | | |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Authorized Agent for PES RMA LLC
Robert Duria

Generator/Authorized Agent Name (Print)

[Signature]
Signature

1/6/2022
Shipment Date

TRANSPORTER

Transporter Name: Liberty Waste & Recycling

Address: 576 W. ...

City, State, Zip: PHILADELPHIA, PA 19102

Driver Name (Print): Steve Day

Vehicle License No/State/EPA No.: _____

Truck Number: 81

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature]
Driver Signature

01/06/2022
Date

[Signature]
Driver Signature

Date

DESTINATION

Site Name: PURE SOIL TECHNOLOGIES

Address: 655 SOUTH HOPE CHAPEL ROAD, JACKSON, NJ 08027

Phone: (732) 657-8561

Business hours are: Monday through Friday 7 AM to 5 PM. Saturday By Appointment Only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

Form: PST CB

AGENT/GC COPY



PURE SOIL TECHNOLOGIES

P.O. Drawer 48
Farmingdale, NJ 07727
Phone: 732.308.1113 Fax: 732.462.9826

151245

NON-HAZARDOUS MATERIAL MANIFEST

You must return 4 copies of this manifest upon delivery.

Weigh Scale Ticket #
escala de boleta

SITE INFORMATION

Site Name: PES
Address: 144 PASSYUNK AVE
City, State, Zip: PHILADELPHIA PA 19146

AGENT / CONSULTANT

Name: R&B DERRIS LLC
Contact Name: PATRICK DERRIS
Phone: (800) 261-8038

| | | | |
|-----------------|---------------------------|---|----------|
| Approval Number | Description of Material | ** Must be Initialed By Authorized Agent. | |
| 2112037 | Non-Haz Contaminated Soil | SITE | INITIALS |
| | F B 70864 FT | Time Arrive: | |
| | | Time Depart: | |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Authorized Agent for PES Rm, LLC
Generator/Authorized Agent Name (Print): Patrick Derris Signature: [Signature] Shipment Date: 1/16/2022

TRANSPORTER

Transporter Name: Liberty Truck & Repair Co Driver Name (Print): Steve Day
Address: 776 U. S. 101 Vehicle License No/State/EPA No.: AUG25P
City, State, Zip: WILMINGTON DE 19807 Truck Number: 81

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature: [Signature] Date: 1/16/2022 Driver Signature: [Signature] Date: 1/16/2022

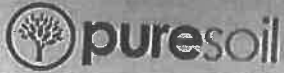
DESTINATION

Site Name: PURE SOIL TECHNOLOGIES Phone: 732.462.9826
Address: 668 SOUTH HOPE CHAPEL ROAD, JACKSON NJ 08527

Business hours are: Monday through Friday 7 AM to 5 PM, Saturday By Appointment Only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: _____ Signature: _____ Receipt Date: 1/16/22



Pure Soil Technologies
855 SOUTH HOPE CHAPEL RD
JACKSON, NJ 08527
732-657-8551

CUSTOMER:
R&B DEBRIS LLC
5900 SYLON BLVD
HAINESPORT NJ 08060
609-261-8036

CUSTOMER NO: 3880
TICKET NO: 298875
DATE: 01/06/22
TIME: 10:39 AM

JOB NAME:
PES
3144 PASSYUNK AVE
PHILADELPHIA PA 19146

JOB NO: 2112037
QUOTE NO: 2112-039
MANIFEST NO: 151245
PRODUCT: JR86
JR86 SOIL

CARRIER: LIBERTY WASTE
TRUCK NO: LIB01
LIC. PLATE: AU625T

| <u>DAILY LOADS</u> | <u>METRIC</u> | <u>TONNAGE</u> | <u>METRIC (Mg)</u> | <u>ENGLISH (TN)</u> |
|----------------------|---------------|----------------|--------------------|---------------------|
| 1 | 14.79 | 16.30 | 32.33 Mg | GROSS 35.64 TN |
| <u>TO-DATE LOADS</u> | <u>METRIC</u> | <u>TONNAGE</u> | <u>METRIC (Mg)</u> | <u>TARE</u> |
| 1 | 14.79 | 16.30 | 17.55 Mg | 19.34 TN |
| | | | 14.79 Mg | NET 16.30 TN |

RATE: \$0.00
TAX: \$0.00
TOTAL: \$0.00

RECIEVED BY:
WEIGHMASTER: JAMES MATTHEWS NJWMS #31489

* manual weight

Appendix D

Laboratories' Analytical Reports



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-58999-1
Client Project/Site: NorthStar Sampling
Revision: 1

For:
NorthStar Contracting Group, Inc.
2250 East Adams Avenue
Philadelphia, Pennsylvania 19124

Attn: Robert Armstrong



Authorized for release by:
11/17/2021 5:41:08 PM

Amek Carter, Project Manager
(717)556-7252
Loran.Carter@eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - 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 is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

A handwritten signature in cursive script that reads "Amek Carter".

Amek Carter
Project Manager
11/17/2021 5:41:08 PM



Table of Contents

| | |
|----------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 3 |
| Definitions/Glossary | 4 |
| Case Narrative | 6 |
| Detection Summary | 8 |
| Client Sample Results | 13 |
| Surrogate Summary | 42 |
| QC Sample Results | 47 |
| QC Association Summary | 64 |
| Lab Chronicle | 76 |
| Certification Summary | 87 |
| Method Summary | 88 |
| Sample Summary | 89 |
| Chain of Custody | 90 |
| Receipt Checklists | 93 |

Definitions/Glossary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| *1 | LCS/LCSD RPD exceeds control limits. |
| ^c | CCV Recovery is outside acceptance limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| p | The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| ^3+ | Reporting Limit Check Standard is outside acceptance limits, high biased |
| B | Analyte was found in the blank. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| ! | Laboratory is not accredited for this parameter. |
| *- | LCS and/or LCSD is outside acceptance limits, low biased. |
| B | Analyte was found in the blank. |
| F3 | Duplicate RPD exceeds the control limit |
| FH | MS and/or MSD recovery above control limits. |
| FL | MS and/or MSD recovery below control limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

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 |
| 1C | Result is from the primary column on a dual-column method. |
| 2C | Result is from the confirmation column on a dual-column method. |
| 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 |

Definitions/Glossary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|--|
| 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 |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Case Narrative

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Job ID: 410-58999-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative 410-58999-1

Revision

The report being provided is a revision of the original report sent on 11/4/2021. The report (revision 1) is being revised due to: Add additional Volatiles and Total Lead.

Receipt

The samples were received on 10/13/2021 6:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.3°C and 2.3°C

GC/MS VOA

Method 8260C: The following samples were diluted due to the abundance of non-target analytes: Hartranft-10TH-CONF-SOIL-1-2021-10-12 (410-58999-1), Hartranft-10TH-CONF-SOIL-2-2021-10-12 (410-58999-2), Hartranft-10TH-CONF-SOIL-3-2021-10-12 (410-58999-3), Hartranft-10TH-CONF-SOIL-4-2021-10-12 (410-58999-4), Hartranft-10TH-CONF-SOIL-5-2021-10-12 (410-58999-5), Hartranft-10TH-CONF-SOIL-6-2021-10-12 (410-58999-6), Hartranft-10TH-RB44062-RT-1-2021-10-12 (410-58999-7), Hartranft-10TH-RB44062-RT-2-2021-10-12 (410-58999-8) and Hartranft-10TH-RB44062-RT-3-2021-10-12 (410-58999-9). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

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

Herbicides

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

PCBs

Method 8082A: The continuing calibration verification (CCV) associated with batch 410-183531 recovered outside control limit (+/-20%D) for DCB Decachlorobiphenyl. This surrogate is used for control purposes and the CCV and samples associated with this CCV have surrogate %R well within acceptance criteria; therefore, the data have been reported. Hartranft-10TH-CONF-SOIL-2-2021-10-12 (410-58999-2), Hartranft-10TH-CONF-SOIL-3-2021-10-12 (410-58999-3) and Hartranft-10TH-CONF-SOIL-4-2021-10-12 (410-58999-4)

Method 8082A: The DCB Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: Hartranft-10TH-CONF-SOIL-3-2021-10-12 (410-58999-3). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method 8082A: The continuing calibration verification (CCV) associated with batch 410-183928 recovered outside control limit (+/-20%D) for DCB Decachlorobiphenyl. This surrogate is used for control purposes and the CCV and samples associated with this CCV have surrogate %R well within acceptance criteria; therefore, the data have been reported. The associated samples are: Hartranft-10TH-CONF-SOIL-5-2021-10-12 (410-58999-5), Hartranft-10TH-CONF-SOIL-6-2021-10-12 (410-58999-6), Hartranft-10TH-RB44062-RT-1-2021-10-12 (410-58999-7), Hartranft-10TH-RB44062-RT-2-2021-10-12 (410-58999-8) and Hartranft-10TH-RB44062-RT-3-2021-10-12 (410-58999-9).

Method 8082A: The continuing calibration verification (CCV) associated with batch 410-184470 recovered outside acceptance criteria, high biased, for %D for DCB Decachlorobiphenyl (Surr) on one column. Results are confirmed on both columns and reported from the passing column. Since the associated sample was non-detect for this analyte, the data have been reported. Hartranft-10TH-CONF-SOIL-1-2021-10-12 (410-58999-1)

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

Pesticides

Method 8081B: The following samples were diluted due to the nature of the sample matrix: Hartranft-10TH-CONF-SOIL-1-2021-10-12

Case Narrative

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Job ID: 410-58999-1 (Continued)

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Conti)

(410-58999-1), Hartranft-10TH-CONF-SOIL-2-2021-10-12 (410-58999-2), Hartranft-10TH-CONF-SOIL-3-2021-10-12 (410-58999-3), Hartranft-10TH-CONF-SOIL-4-2021-10-12 (410-58999-4), Hartranft-10TH-CONF-SOIL-5-2021-10-12 (410-58999-5), Hartranft-10TH-CONF-SOIL-6-2021-10-12 (410-58999-6), Hartranft-10TH-RB44062-RT-1-2021-10-12 (410-58999-7), Hartranft-10TH-RB44062-RT-2-2021-10-12 (410-58999-8) and Hartranft-10TH-RB44062-RT-3-2021-10-12 (410-58999-9). Elevated reporting limits (RLs) are provided.

Method 8081B: The continuing calibration verification (CCV) recovered above the upper control limit for Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Hartranft-10TH-CONF-SOIL-1-2021-10-12 (410-58999-1), Hartranft-10TH-CONF-SOIL-2-2021-10-12 (410-58999-2), Hartranft-10TH-CONF-SOIL-3-2021-10-12 (410-58999-3), Hartranft-10TH-CONF-SOIL-4-2021-10-12 (410-58999-4), Hartranft-10TH-CONF-SOIL-5-2021-10-12 (410-58999-5), Hartranft-10TH-CONF-SOIL-6-2021-10-12 (410-58999-6), Hartranft-10TH-RB44062-RT-1-2021-10-12 (410-58999-7), Hartranft-10TH-RB44062-RT-2-2021-10-12 (410-58999-8) and Hartranft-10TH-RB44062-RT-3-2021-10-12 (410-58999-9).

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

Metals

Method 6010C: The TCLP leachate blank for batch 410-183271 contained Barium, Nickel and Lead above the method detection limit (MDL) but below the reporting limit (RL). This target analyte concentration was less than the TCLP Regulatory Hazard Limit. The associated sample(s) were also below the TCLP Regulatory Hazard Limit for this analyte; therefore, re-extraction was not performed. Associated Sample(s): Hartranft-10TH-CONF-SOIL-1-2021-10-12 (410-58999-1), Hartranft-10TH-CONF-SOIL-2-2021-10-12 (410-58999-2), Hartranft-10TH-CONF-SOIL-3-2021-10-12 (410-58999-3), Hartranft-10TH-CONF-SOIL-4-2021-10-12 (410-58999-4), Hartranft-10TH-CONF-SOIL-5-2021-10-12 (410-58999-5), Hartranft-10TH-CONF-SOIL-6-2021-10-12 (410-58999-6), Hartranft-10TH-RB44062-RT-1-2021-10-12 (410-58999-7), Hartranft-10TH-RB44062-RT-2-2021-10-12 (410-58999-8) and Hartranft-10TH-RB44062-RT-3-2021-10-12 (410-58999-9)

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

General Chemistry

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

Detection Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12

Lab Sample ID: 410-58999-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|-------|---------|---------|---|------------|------------|
| Ethylbenzene | 36 | J | 390 | 31 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Xylenes, Total | 250 | J | 780 | 110 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| 1,2,4-Trimethylbenzene | 890 | | 390 | 39 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Naphthalene | 370 | J | 390 | 160 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Isopropylbenzene | 490 | | 390 | 31 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| 1,3,5-Trimethylbenzene | 370 | J | 390 | 39 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| PCB-1254 (2C) | 21 | J | 22 | 8.3 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| PCB-1260 (2C) | 32 | | 22 | 8.3 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| Lead | 45 | | 1.4 | 0.58 | mg/Kg | 1 | ✳ | 6010C | Total/NA |
| Barium | 0.74 | B | 0.050 | 0.010 | mg/L | 1 | | 6010C | TCLP |
| Zinc | 3.0 | | 0.20 | 0.037 | mg/L | 1 | | 6010C | TCLP |
| Nickel | 0.022 | J B | 0.10 | 0.021 | mg/L | 1 | | 6010C | TCLP |
| Total Solids | 87 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Total Volatile Solids | 33 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| HEM (Oil & Grease) | 3600 | FH | 760 | 250 | mg/Kg | 1 | ✳ | 9071B | Total/NA |
| Presence of Free Liquid | No | | | | No Unit | 1 | | 9095B | Total/NA |
| pH | 7.5 | | 0.01 | 0.01 | S.U. | 1 | | 9045D | Soluble |
| Corrosivity | No | | 0.01 | 0.01 | NONE | 1 | | 9045D | Soluble |
| HEM (Oil & Grease) | 2.7 | J ! B | 5.3 | 1.5 | mg/L | 1 | | 1664B | ASTM Leach |
| Total Solids | 100 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Residue, Total | 100 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Chemical Oxygen Demand | 45 | J ! | 75 | 25 | mg/L | 1 | | 410.4 | ASTM Leach |

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12

Lab Sample ID: 410-58999-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|-------|---------|---------|---|------------|------------|
| 1,2,4-Trimethylbenzene | 63 | J | 310 | 31 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| PCB-1254 (2C) | 9.1 | J | 19 | 7.1 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| PCB-1260 (2C) | 10 | J | 19 | 7.1 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| Lead | 19 | | 1.5 | 0.62 | mg/Kg | 1 | ✳ | 6010C | Total/NA |
| Barium | 0.28 | B | 0.050 | 0.010 | mg/L | 1 | | 6010C | TCLP |
| Zinc | 0.069 | J | 0.20 | 0.037 | mg/L | 1 | | 6010C | TCLP |
| Total Solids | 89 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Total Volatile Solids | 2.2 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| HEM (Oil & Grease) | 1600 | | 670 | 220 | mg/Kg | 1 | ✳ | 9071B | Total/NA |
| Presence of Free Liquid | No | | | | No Unit | 1 | | 9095B | Total/NA |
| pH | 9.3 | | 0.01 | 0.01 | S.U. | 1 | | 9045D | Soluble |
| Corrosivity | No | | 0.01 | 0.01 | NONE | 1 | | 9045D | Soluble |
| Total Solids | 130 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Residue, Total | 130 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Chemical Oxygen Demand | 39 | J ! | 75 | 25 | mg/L | 1 | | 410.4 | ASTM Leach |

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Detection Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-3-2021-10-12

Lab Sample ID: 410-58999-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|-------|---------|---------|---|------------|------------|
| 1,2,4-Trimethylbenzene | 50 | J | 300 | 30 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| PCB-1254 (2C) | 13 | J p | 19 | 7.2 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| PCB-1260 (2C) | 47 | | 19 | 7.2 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| Lead | 21 | | 1.6 | 0.64 | mg/Kg | 1 | ✳ | 6010C | Total/NA |
| Barium | 0.43 | B | 0.050 | 0.010 | mg/L | 1 | | 6010C | TCLP |
| Zinc | 0.86 | | 0.20 | 0.037 | mg/L | 1 | | 6010C | TCLP |
| Total Solids | 14 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Total Volatile Solids | 97 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| HEM (Oil & Grease) | 2900 | | 670 | 220 | mg/Kg | 1 | ✳ | 9071B | Total/NA |
| Presence of Free Liquid | No | | | | No Unit | 1 | | 9095B | Total/NA |
| pH | 9.5 | | 0.01 | 0.01 | S.U. | 1 | | 9045D | Soluble |
| Corrosivity | No | | 0.01 | 0.01 | NONE | 1 | | 9045D | Soluble |
| HEM (Oil & Grease) | 2.1 | J ! B | 5.2 | 1.5 | mg/L | 1 | | 1664B | ASTM Leach |
| Total Solids | 56 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Residue, Total | 56 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Chemical Oxygen Demand | 63 | J ! | 75 | 25 | mg/L | 1 | | 410.4 | ASTM Leach |

Client Sample ID: Hartranft-10TH-CONF-SOIL-4-2021-10-12

Lab Sample ID: 410-58999-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|-------|---------|---------|---|------------|------------|
| Ethylbenzene | 63 | J | 300 | 24 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Xylenes, Total | 620 | | 600 | 83 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| 1,2,4-Trimethylbenzene | 6000 | | 300 | 30 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Naphthalene | 2900 | | 300 | 120 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Isopropylbenzene | 150 | J | 300 | 24 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| 1,3,5-Trimethylbenzene | 1700 | | 300 | 30 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| PCB-1254 (2C) | 8.6 | J | 18 | 6.9 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| PCB-1260 (2C) | 7.9 | J | 18 | 6.9 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| Lead | 21 | | 1.2 | 0.49 | mg/Kg | 1 | ✳ | 6010C | Total/NA |
| Barium | 0.37 | B | 0.050 | 0.010 | mg/L | 1 | | 6010C | TCLP |
| Chromium | 0.018 | J | 0.15 | 0.016 | mg/L | 1 | | 6010C | TCLP |
| Lead | 0.35 | B | 0.15 | 0.071 | mg/L | 1 | | 6010C | TCLP |
| Zinc | 2.3 | | 0.20 | 0.037 | mg/L | 1 | | 6010C | TCLP |
| Nickel | 0.057 | J B | 0.10 | 0.021 | mg/L | 1 | | 6010C | TCLP |
| Total Solids | 89 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Total Volatile Solids | 2.3 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| HEM (Oil & Grease) | 6500 | | 650 | 220 | mg/Kg | 1 | ✳ | 9071B | Total/NA |
| Presence of Free Liquid | No | | | | No Unit | 1 | | 9095B | Total/NA |
| pH | 8.0 | | 0.01 | 0.01 | S.U. | 1 | | 9045D | Soluble |
| Corrosivity | No | | 0.01 | 0.01 | NONE | 1 | | 9045D | Soluble |
| Total Solids | 110 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Residue, Total | 110 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Detection Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-5-2021-10-12

Lab Sample ID: 410-58999-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|-------|---------|---------|---|------------|------------|
| 1,2,4-Trimethylbenzene | 76 | J | 280 | 28 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| PCB-1260 (2C) | 9.2 | J | 18 | 6.8 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| Lead | 20 | | 1.4 | 0.54 | mg/Kg | 1 | ✳ | 6010C | Total/NA |
| Barium | 0.27 | B | 0.050 | 0.010 | mg/L | 1 | | 6010C | TCLP |
| Zinc | 1.9 | | 0.20 | 0.037 | mg/L | 1 | | 6010C | TCLP |
| Total Solids | 93 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Total Volatile Solids | 2.9 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| HEM (Oil & Grease) | 950 | | 630 | 210 | mg/Kg | 1 | ✳ | 9071B | Total/NA |
| Presence of Free Liquid | No | | | | No Unit | 1 | | 9095B | Total/NA |
| pH | 8.7 | | 0.01 | 0.01 | S.U. | 1 | | 9045D | Soluble |
| Corrosivity | No | | 0.01 | 0.01 | NONE | 1 | | 9045D | Soluble |
| HEM (Oil & Grease) | 2.1 | J ! B | 5.3 | 1.5 | mg/L | 1 | | 1664B | ASTM Leach |
| Total Solids | 100 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Residue, Total | 100 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Chemical Oxygen Demand | 25 | J ! | 75 | 25 | mg/L | 1 | | 410.4 | ASTM Leach |

Client Sample ID: Hartranft-10TH-CONF-SOIL-6-2021-10-12

Lab Sample ID: 410-58999-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|-------|---------|---------|---|------------|------------|
| 1,2,4-Trimethylbenzene | 230 | J | 360 | 36 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Naphthalene | 650 | | 360 | 140 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Isopropylbenzene | 39 | J | 360 | 29 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| 1,3,5-Trimethylbenzene | 75 | J | 360 | 36 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| PCB-1254 (2C) | 23 | | 21 | 7.8 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| Lead | 32 | | 1.8 | 0.72 | mg/Kg | 1 | ✳ | 6010C | Total/NA |
| Barium | 0.40 | B | 0.050 | 0.010 | mg/L | 1 | | 6010C | TCLP |
| Lead | 0.15 | B | 0.15 | 0.071 | mg/L | 1 | | 6010C | TCLP |
| Zinc | 1.5 | | 0.20 | 0.037 | mg/L | 1 | | 6010C | TCLP |
| Total Solids | 87 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Total Volatile Solids | 12 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| HEM (Oil & Grease) | 3300 | | 710 | 240 | mg/Kg | 1 | ✳ | 9071B | Total/NA |
| Presence of Free Liquid | No | | | | No Unit | 1 | | 9095B | Total/NA |
| pH | 7.6 | | 0.01 | 0.01 | S.U. | 1 | | 9045D | Soluble |
| Corrosivity | No | | 0.01 | 0.01 | NONE | 1 | | 9045D | Soluble |
| HEM (Oil & Grease) | 2.0 | J ! B | 5.3 | 1.5 | mg/L | 1 | | 1664B | ASTM Leach |
| Total Solids | 120 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Residue, Total | 120 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Chemical Oxygen Demand | 68 | J ! | 75 | 25 | mg/L | 1 | | 410.4 | ASTM Leach |

Client Sample ID: Hartranft-10TH-RB44062-RT-1-2021-10-12

Lab Sample ID: 410-58999-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-----|-----|-------|---------|---|--------|-----------|
| Ethylbenzene | 57 | J | 360 | 28 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Xylenes, Total | 430 | J | 710 | 100 | ug/Kg | 50 | ✳ | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Detection Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-1-2021-10-12

Lab Sample ID: 410-58999-7

(Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|-------|---------|---------|---|------------|------------|
| 1,2,4-Trimethylbenzene | 2100 | | 360 | 36 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| Naphthalene | 570 | | 360 | 140 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| Isopropylbenzene | 770 | | 360 | 28 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| 1,3,5-Trimethylbenzene | 770 | | 360 | 36 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| PCB-1254 (2C) | 11 | J | 21 | 7.8 | ug/Kg | 1 | ☼ | 8082A | Total/NA |
| PCB-1260 (1C) | 13 | J | 21 | 7.8 | ug/Kg | 1 | ☼ | 8082A | Total/NA |
| Lead | 28 | | 1.6 | 0.64 | mg/Kg | 1 | ☼ | 6010C | Total/NA |
| Barium | 0.54 | B | 0.050 | 0.010 | mg/L | 1 | | 6010C | TCLP |
| Zinc | 7.3 | | 0.20 | 0.037 | mg/L | 1 | | 6010C | TCLP |
| Nickel | 0.11 | B | 0.10 | 0.021 | mg/L | 1 | | 6010C | TCLP |
| Total Solids | 80 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Total Volatile Solids | 8.7 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| HEM (Oil & Grease) | 5000 | | 710 | 240 | mg/Kg | 1 | ☼ | 9071B | Total/NA |
| Presence of Free Liquid | No | | | | No Unit | 1 | | 9095B | Total/NA |
| pH | 7.3 | | 0.01 | 0.01 | S.U. | 1 | | 9045D | Soluble |
| Corrosivity | No | | 0.01 | 0.01 | NONE | 1 | | 9045D | Soluble |
| Total Solids | 110 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Residue, Total | 110 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Chemical Oxygen Demand | 37 | J! | 75 | 25 | mg/L | 1 | | 410.4 | ASTM Leach |

Client Sample ID: Hartranft-10TH-RB44062-RT-2-2021-10-12

Lab Sample ID: 410-58999-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|---------|-----------|---------|----------|---------|---------|---|------------|-----------|
| Toluene | 55 | J | 350 | 42 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| Ethylbenzene | 160 | J | 350 | 28 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| Xylenes, Total | 1300 | | 700 | 99 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| 1,2,4-Trimethylbenzene | 3300 | | 350 | 35 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| Naphthalene | 790 | | 350 | 140 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| Isopropylbenzene | 1400 | | 350 | 28 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| 1,3,5-Trimethylbenzene | 1200 | | 350 | 35 | ug/Kg | 50 | ☼ | 8260C | Total/NA |
| PCB-1254 (2C) | 11 | J | 20 | 7.7 | ug/Kg | 1 | ☼ | 8082A | Total/NA |
| PCB-1260 (2C) | 16 | J | 20 | 7.7 | ug/Kg | 1 | ☼ | 8082A | Total/NA |
| Lead | 25 | | 1.6 | 0.66 | mg/Kg | 1 | ☼ | 6010C | Total/NA |
| Barium | 0.52 | B | 0.050 | 0.010 | mg/L | 1 | | 6010C | TCLP |
| Zinc | 3.5 | | 0.20 | 0.037 | mg/L | 1 | | 6010C | TCLP |
| Nickel | 0.044 | J B | 0.10 | 0.021 | mg/L | 1 | | 6010C | TCLP |
| Mercury | 0.00016 | J | 0.00020 | 0.000079 | mg/L | 1 | | 7470A | TCLP |
| Total Solids | 81 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Total Volatile Solids | 8.8 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| HEM (Oil & Grease) | 6100 | | 720 | 240 | mg/Kg | 1 | ☼ | 9071B | Total/NA |
| Presence of Free Liquid | No | | | | No Unit | 1 | | 9095B | Total/NA |
| pH | 6.9 | | 0.01 | 0.01 | S.U. | 1 | | 9045D | Soluble |

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Detection Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-2-2021-10-12
(Continued)

Lab Sample ID: 410-58999-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|------------|------------|
| Corrosivity | No | | 0.01 | 0.01 | NONE | 1 | | 9045D | Soluble |
| HEM (Oil & Grease) | 2.7 | J ! B | 5.3 | 1.5 | mg/L | 1 | | 1664B | ASTM Leach |
| Total Solids | 92 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Residue, Total | 92 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Chemical Oxygen Demand | 68 | J ! | 75 | 25 | mg/L | 1 | | 410.4 | ASTM Leach |

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12

Lab Sample ID: 410-58999-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|-------|---------|---------|---|------------|------------|
| Ethylbenzene | 36 | J | 350 | 28 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Xylenes, Total | 330 | J | 710 | 99 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| 1,2,4-Trimethylbenzene | 1600 | | 350 | 35 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Naphthalene | 410 | | 350 | 140 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| Isopropylbenzene | 500 | | 350 | 28 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| 1,3,5-Trimethylbenzene | 610 | | 350 | 35 | ug/Kg | 50 | ✳ | 8260C | Total/NA |
| PCB-1254 (2C) | 12 | J | 20 | 7.7 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| PCB-1260 (2C) | 22 | | 20 | 7.7 | ug/Kg | 1 | ✳ | 8082A | Total/NA |
| Lead | 33 | | 1.7 | 0.67 | mg/Kg | 1 | ✳ | 6010C | Total/NA |
| Barium | 0.44 | B | 0.050 | 0.010 | mg/L | 1 | | 6010C | TCLP |
| Zinc | 2.6 | | 0.20 | 0.037 | mg/L | 1 | | 6010C | TCLP |
| Nickel | 0.11 | B | 0.10 | 0.021 | mg/L | 1 | | 6010C | TCLP |
| Total Solids | 81 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Total Volatile Solids | 6.3 | | 0.10 | 0.10 | % | 1 | | 2540G-2011 | Total/NA |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | 1 | | 261.21 | Total/NA |
| HEM (Oil & Grease) | 3500 | | 720 | 240 | mg/Kg | 1 | ✳ | 9071B | Total/NA |
| Presence of Free Liquid | No | | | | No Unit | 1 | | 9095B | Total/NA |
| pH | 7.6 | | 0.01 | 0.01 | S.U. | 1 | | 9045D | Soluble |
| Corrosivity | No | | 0.01 | 0.01 | NONE | 1 | | 9045D | Soluble |
| HEM (Oil & Grease) | 1.9 | J ! B | 5.4 | 1.5 | mg/L | 1 | | 1664B | ASTM Leach |
| Total Solids | 73 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Residue, Total | 73 | ! | 42 | 14 | mg/L | 1 | | 2540B-2011 | ASTM Leach |
| Chemical Oxygen Demand | 35 | J ! | 75 | 25 | mg/L | 1 | | 410.4 | ASTM Leach |
| Ammonia as N | 0.061 | J ! | 0.10 | 0.050 | mg/L | 1 | | EPA 350.1 | ASTM Leach |

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12

Lab Sample ID: 410-58999-1

Date Collected: 10/12/21 10:00

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Benzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:08 | 20 |
| Carbon tetrachloride | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:08 | 20 |
| Chlorobenzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:08 | 20 |
| Chloroform | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:08 | 20 |
| 1,2-Dichloroethane | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:08 | 20 |
| 1,1-Dichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:08 | 20 |
| 2-Butanone | ND | | 0.20 | 0.010 | mg/L | | | 10/20/21 03:08 | 20 |
| Tetrachloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:08 | 20 |
| Trichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:08 | 20 |
| Vinyl chloride | ND | | 0.020 | 0.0040 | mg/L | | | 10/20/21 03:08 | 20 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 80 - 120 | | 10/20/21 03:08 | 20 |
| 4-Bromofluorobenzene (Surr) | 95 | | 80 - 120 | | 10/20/21 03:08 | 20 |
| Dibromofluoromethane (Surr) | 102 | | 80 - 120 | | 10/20/21 03:08 | 20 |
| Toluene-d8 (Surr) | 104 | | 80 - 120 | | 10/20/21 03:08 | 20 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| 2-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| Hexachlorobenzene | ND | | 0.0025 | 0.00055 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| Hexachlorobutadiene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| Hexachloroethane | ND | | 0.025 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| Nitrobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| Pentachlorophenol | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| Pyridine | ND | | 0.025 | 0.010 | mg/L | | 10/19/21 17:40 | 10/20/21 14:53 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 66 | | 10 - 150 | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| 2-Fluorobiphenyl (Surr) | 71 | | 35 - 100 | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| 2-Fluorophenol (Surr) | 22 | | 10 - 78 | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| Nitrobenzene-d5 (Surr) | 76 | | 22 - 117 | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| p-Terphenyl-d14 (Surr) | 76 | | 31 - 119 | 10/19/21 17:40 | 10/20/21 14:53 | 1 |
| Phenol-d5 (Surr) | 19 | | 10 - 67 | 10/19/21 17:40 | 10/20/21 14:53 | 1 |

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Endrin (1C) | ND | | 0.0010 | 0.00040 | mg/L | | 10/19/21 17:27 | 10/20/21 09:30 | 10 |
| gamma-BHC (Lindane) (1C) | ND | *1 | 0.00050 | 0.00010 | mg/L | | 10/19/21 17:27 | 10/20/21 09:30 | 10 |
| Heptachlor (1C) | ND | | 0.00050 | 0.00020 | mg/L | | 10/19/21 17:27 | 10/20/21 09:30 | 10 |
| Heptachlor epoxide (1C) | ND | | 0.00050 | 0.00012 | mg/L | | 10/19/21 17:27 | 10/20/21 09:30 | 10 |
| Methoxychlor (1C) | ND | ^c | 0.0050 | 0.0015 | mg/L | | 10/19/21 17:27 | 10/20/21 09:30 | 10 |
| Toxaphene (1C) | ND | | 0.15 | 0.050 | mg/L | | 10/19/21 17:27 | 10/20/21 09:30 | 10 |
| Chlordane (n.o.s.) (1C) | ND | | 0.025 | 0.0080 | mg/L | | 10/19/21 17:27 | 10/20/21 09:30 | 10 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12

Lab Sample ID: 410-58999-1

Date Collected: 10/12/21 10:00

Matrix: Solid

Date Received: 10/13/21 18:10

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 88 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 09:30 | 10 |
| DCB Decachlorobiphenyl (Surr) (2C) | 91 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 09:30 | 10 |
| Tetrachloro-m-xylene (Surr) (1C) | 75 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 09:30 | 10 |
| Tetrachloro-m-xylene (Surr) (2C) | 68 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 09:30 | 10 |

Method: 8151A - Herbicides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Silvex (2,4,5-TP) (1C) | ND | | 0.0050 | 0.0010 | mg/L | | 10/20/21 00:20 | 10/21/21 23:25 | 1 |
| 2,4-D (1C) | ND | | 0.050 | 0.016 | mg/L | | 10/20/21 00:20 | 10/21/21 23:25 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 96 | | 26 - 136 | 10/20/21 00:20 | 10/21/21 23:25 | 1 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 80 | | 26 - 136 | 10/20/21 00:20 | 10/21/21 23:25 | 1 |

Method: 6010C - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Arsenic | ND | ^3+ | 0.30 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 14:59 | 1 |
| Barium | 0.74 | B | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 14:59 | 1 |
| Cadmium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 14:59 | 1 |
| Chromium | ND | | 0.15 | 0.016 | mg/L | | 10/18/21 04:53 | 10/19/21 14:59 | 1 |
| Lead | ND | B | 0.15 | 0.071 | mg/L | | 10/18/21 04:53 | 10/19/21 14:59 | 1 |
| Selenium | ND | *+ | 0.50 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 14:59 | 1 |
| Silver | ND | | 0.10 | 0.050 | mg/L | | 10/18/21 04:53 | 10/19/21 14:59 | 1 |
| Copper | ND | | 0.20 | 0.12 | mg/L | | 10/18/21 04:53 | 10/19/21 14:59 | 1 |
| Zinc | 3.0 | | 0.20 | 0.037 | mg/L | | 10/18/21 04:53 | 10/19/21 14:59 | 1 |
| Nickel | 0.022 | J B | 0.10 | 0.021 | mg/L | | 10/18/21 04:53 | 10/19/21 14:59 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.00020 | 0.000079 | mg/L | | 10/18/21 05:04 | 10/18/21 18:35 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|------|------|---------|---|----------------|----------------|---------|
| Total Solids | 87 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Total Volatile Solids | 33 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Percent Solids | 87 | ! | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Cyanide, Reactive | ND | *- | 57 | 19 | mg/Kg | | 10/15/21 07:55 | 10/15/21 15:00 | 1 |
| Sulfide, Reactive | ND | ! | 150 | 51 | mg/Kg | | 10/15/21 07:55 | 10/15/21 12:20 | 1 |
| Presence of Free Liquid | No | | | | No Unit | | | 10/18/21 19:55 | 1 |
| Percent Moisture | 22.8 | ! | 1.0 | 1.0 | % | | | 10/14/21 12:07 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| pH | 7.5 | | 0.01 | 0.01 | S.U. | | | 10/15/21 18:30 | 1 |
| Corrosivity | No | | 0.01 | 0.01 | NONE | | | 10/15/21 18:30 | 1 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12

Lab Sample ID: 410-58999-1

Date Collected: 10/12/21 10:00

Matrix: Solid

Date Received: 10/13/21 18:10

General Chemistry - ASTM Leach

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | 2.7 | J ! B | 5.3 | 1.5 | mg/L | | | 10/19/21 20:36 | 1 |
| Total Solids | 100 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Residue, Total | 100 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Chemical Oxygen Demand | 45 | J ! | 75 | 25 | mg/L | | | 10/19/21 12:47 | 1 |
| Ammonia as N | ND | ! | 0.10 | 0.050 | mg/L | | | 11/02/21 10:55 | 1 |

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12

Lab Sample ID: 410-58999-1

Date Collected: 10/12/21 10:00

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 77.2

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 390 | 39 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| Toluene | ND | | 390 | 47 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| Ethylbenzene | 36 | J | 390 | 31 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| Xylenes, Total | 250 | J | 780 | 110 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| 1,2,4-Trimethylbenzene | 890 | | 390 | 39 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| Naphthalene | 370 | J | 390 | 160 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| Isopropylbenzene | 490 | | 390 | 31 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| 1,3,5-Trimethylbenzene | 370 | J | 390 | 39 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| 1,2-Dibromoethane | ND | | 390 | 31 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| Methyl tertiary butyl ether | ND | | 390 | 39 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| 1,2-Dichloroethane | ND | | 390 | 47 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 14:27 | 50 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 54 - 135 | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| 4-Bromofluorobenzene (Surr) | 105 | | 50 - 131 | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| Dibromofluoromethane (Surr) | 94 | | 50 - 141 | 10/14/21 11:18 | 10/18/21 14:27 | 50 |
| Toluene-d8 (Surr) | 105 | | 52 - 141 | 10/14/21 11:18 | 10/18/21 14:27 | 50 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (2C) | ND | | 22 | 6.8 | ug/Kg | ⊛ | 10/18/21 18:09 | 10/19/21 08:52 | 1 |
| PCB-1221 (2C) | ND | | 22 | 6.8 | ug/Kg | ⊛ | 10/18/21 18:09 | 10/19/21 08:52 | 1 |
| PCB-1232 (2C) | ND | | 22 | 6.8 | ug/Kg | ⊛ | 10/18/21 18:09 | 10/19/21 08:52 | 1 |
| PCB-1242 (2C) | ND | | 22 | 6.8 | ug/Kg | ⊛ | 10/18/21 18:09 | 10/19/21 08:52 | 1 |
| PCB-1248 (2C) | ND | | 22 | 6.8 | ug/Kg | ⊛ | 10/18/21 18:09 | 10/19/21 08:52 | 1 |
| PCB-1254 (2C) | 21 | J | 22 | 8.3 | ug/Kg | ⊛ | 10/18/21 18:09 | 10/19/21 08:52 | 1 |
| PCB-1260 (2C) | 32 | | 22 | 8.3 | ug/Kg | ⊛ | 10/18/21 18:09 | 10/19/21 08:52 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 99 | ^c | 45 - 143 | 10/18/21 18:09 | 10/19/21 08:52 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 91 | | 45 - 143 | 10/18/21 18:09 | 10/19/21 08:52 | 1 |
| Tetrachloro-m-xylene (1C) | 61 | | 53 - 140 | 10/18/21 18:09 | 10/19/21 08:52 | 1 |
| Tetrachloro-m-xylene (2C) | 58 | | 53 - 140 | 10/18/21 18:09 | 10/19/21 08:52 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 45 | | 1.4 | 0.58 | mg/Kg | ⊛ | 11/09/21 19:12 | 11/16/21 12:26 | 1 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12

Lab Sample ID: 410-58999-1

Date Collected: 10/12/21 10:00

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 77.2

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| HEM (Oil & Grease) | 3600 | FH | 760 | 250 | mg/Kg | ☼ | 10/18/21 23:57 | 10/20/21 10:30 | 1 |

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12

Lab Sample ID: 410-58999-2

Date Collected: 10/12/21 10:05

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Benzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:54 | 20 |
| Carbon tetrachloride | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:54 | 20 |
| Chlorobenzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:54 | 20 |
| Chloroform | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:54 | 20 |
| 1,2-Dichloroethane | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:54 | 20 |
| 1,1-Dichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:54 | 20 |
| 2-Butanone | ND | | 0.20 | 0.010 | mg/L | | | 10/20/21 03:54 | 20 |
| Tetrachloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:54 | 20 |
| Trichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 03:54 | 20 |
| Vinyl chloride | ND | | 0.020 | 0.0040 | mg/L | | | 10/20/21 03:54 | 20 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 80 - 120 | | 10/20/21 03:54 | 20 |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 | | 10/20/21 03:54 | 20 |
| Dibromofluoromethane (Surr) | 102 | | 80 - 120 | | 10/20/21 03:54 | 20 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 | | 10/20/21 03:54 | 20 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| 2-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| Hexachlorobenzene | ND | | 0.0025 | 0.00055 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| Hexachlorobutadiene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| Hexachloroethane | ND | | 0.025 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| Nitrobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| Pentachlorophenol | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| Pyridine | ND | | 0.025 | 0.010 | mg/L | | 10/19/21 17:40 | 10/20/21 15:21 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 85 | | 10 - 150 | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| 2-Fluorobiphenyl (Surr) | 69 | | 35 - 100 | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| 2-Fluorophenol (Surr) | 43 | | 10 - 78 | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| Nitrobenzene-d5 (Surr) | 77 | | 22 - 117 | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| p-Terphenyl-d14 (Surr) | 89 | | 31 - 119 | 10/19/21 17:40 | 10/20/21 15:21 | 1 |
| Phenol-d5 (Surr) | 34 | | 10 - 67 | 10/19/21 17:40 | 10/20/21 15:21 | 1 |

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Endrin (1C) | ND | | 0.0010 | 0.00040 | mg/L | | 10/19/21 17:27 | 10/20/21 09:41 | 10 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12

Lab Sample ID: 410-58999-2

Date Collected: 10/12/21 10:05

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| gamma-BHC (Lindane) (1C) | ND | *1 | 0.00050 | 0.00010 | mg/L | | 10/19/21 17:27 | 10/20/21 09:41 | 10 |
| Heptachlor (1C) | ND | | 0.00050 | 0.00020 | mg/L | | 10/19/21 17:27 | 10/20/21 09:41 | 10 |
| Heptachlor epoxide (1C) | ND | | 0.00050 | 0.00012 | mg/L | | 10/19/21 17:27 | 10/20/21 09:41 | 10 |
| Methoxychlor (1C) | ND | ^c | 0.0050 | 0.0015 | mg/L | | 10/19/21 17:27 | 10/20/21 09:41 | 10 |
| Toxaphene (1C) | ND | | 0.15 | 0.050 | mg/L | | 10/19/21 17:27 | 10/20/21 09:41 | 10 |
| Chlordane (n.o.s.) (1C) | ND | | 0.025 | 0.0080 | mg/L | | 10/19/21 17:27 | 10/20/21 09:41 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 78 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 09:41 | 10 |
| DCB Decachlorobiphenyl (Surr) (2C) | 83 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 09:41 | 10 |
| Tetrachloro-m-xylene (Surr) (1C) | 69 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 09:41 | 10 |
| Tetrachloro-m-xylene (Surr) (2C) | 61 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 09:41 | 10 |

Method: 8151A - Herbicides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Silvex (2,4,5-TP) (1C) | ND | | 0.0050 | 0.0010 | mg/L | | 10/20/21 00:20 | 10/22/21 00:00 | 1 |
| 2,4-D (1C) | ND | | 0.050 | 0.016 | mg/L | | 10/20/21 00:20 | 10/22/21 00:00 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 99 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 00:00 | 1 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 87 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 00:00 | 1 |

Method: 6010C - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Arsenic | ND | ^3+ | 0.30 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:08 | 1 |
| Barium | 0.28 | B | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:08 | 1 |
| Cadmium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:08 | 1 |
| Chromium | ND | | 0.15 | 0.016 | mg/L | | 10/18/21 04:53 | 10/19/21 15:08 | 1 |
| Lead | ND | B | 0.15 | 0.071 | mg/L | | 10/18/21 04:53 | 10/19/21 15:08 | 1 |
| Selenium | ND | *+ | 0.50 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:08 | 1 |
| Silver | ND | | 0.10 | 0.050 | mg/L | | 10/18/21 04:53 | 10/19/21 15:08 | 1 |
| Copper | ND | | 0.20 | 0.12 | mg/L | | 10/18/21 04:53 | 10/19/21 15:08 | 1 |
| Zinc | 0.069 | J | 0.20 | 0.037 | mg/L | | 10/18/21 04:53 | 10/19/21 15:08 | 1 |
| Nickel | ND | B | 0.10 | 0.021 | mg/L | | 10/18/21 04:53 | 10/19/21 15:08 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.00020 | 0.000079 | mg/L | | 10/18/21 05:04 | 10/18/21 18:37 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Total Solids | 89 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Total Volatile Solids | 2.2 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Percent Solids | 89 | ! | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Cyanide, Reactive | ND | *- | 59 | 20 | mg/Kg | | 10/15/21 07:55 | 10/15/21 14:32 | 1 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12

Lab Sample ID: 410-58999-2

Date Collected: 10/12/21 10:05

Matrix: Solid

Date Received: 10/13/21 18:10

General Chemistry (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|-----|-----|---------|---|----------------|----------------|---------|
| Sulfide, Reactive | ND | ! FL | 160 | 53 | mg/Kg | | 10/15/21 07:55 | 10/15/21 12:20 | 1 |
| Presence of Free Liquid | No | | | | No Unit | | | 10/18/21 19:55 | 1 |
| Percent Moisture | 10.8 | ! | 1.0 | 1.0 | % | | | 10/14/21 12:07 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| pH | 9.3 | | 0.01 | 0.01 | S.U. | | | 10/15/21 18:30 | 1 |
| Corrosivity | No | | 0.01 | 0.01 | NONE | | | 10/15/21 18:30 | 1 |

General Chemistry - ASTM Leach

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | ND | ! B | 5.2 | 1.5 | mg/L | | | 10/19/21 20:36 | 1 |
| Total Solids | 130 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Residue, Total | 130 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Chemical Oxygen Demand | 39 | J ! | 75 | 25 | mg/L | | | 10/19/21 12:49 | 1 |
| Ammonia as N | ND | ! | 0.10 | 0.050 | mg/L | | | 11/02/21 11:01 | 1 |

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12

Lab Sample ID: 410-58999-2

Date Collected: 10/12/21 10:05

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 89.2

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 310 | 31 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| Toluene | ND | | 310 | 37 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| Ethylbenzene | ND | | 310 | 25 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| Xylenes, Total | ND | | 610 | 86 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| 1,2,4-Trimethylbenzene | 63 | J | 310 | 31 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| Naphthalene | ND | | 310 | 120 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| Isopropylbenzene | ND | | 310 | 25 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| 1,3,5-Trimethylbenzene | ND | | 310 | 31 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| 1,2-Dibromoethane | ND | | 310 | 25 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| Methyl tertiary butyl ether | ND | | 310 | 31 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| 1,2-Dichloroethane | ND | | 310 | 37 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 14:48 | 50 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107 | | 54 - 135 | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| 4-Bromofluorobenzene (Surr) | 101 | | 50 - 131 | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| Dibromofluoromethane (Surr) | 84 | | 50 - 141 | 10/14/21 11:18 | 10/18/21 14:48 | 50 |
| Toluene-d8 (Surr) | 103 | | 52 - 141 | 10/14/21 11:18 | 10/18/21 14:48 | 50 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (2C) | ND | | 19 | 5.9 | ug/Kg | ✱ | 10/15/21 09:45 | 10/15/21 19:17 | 1 |
| PCB-1221 (2C) | ND | | 19 | 5.9 | ug/Kg | ✱ | 10/15/21 09:45 | 10/15/21 19:17 | 1 |
| PCB-1232 (2C) | ND | | 19 | 5.9 | ug/Kg | ✱ | 10/15/21 09:45 | 10/15/21 19:17 | 1 |
| PCB-1242 (2C) | ND | | 19 | 5.9 | ug/Kg | ✱ | 10/15/21 09:45 | 10/15/21 19:17 | 1 |
| PCB-1248 (2C) | ND | | 19 | 5.9 | ug/Kg | ✱ | 10/15/21 09:45 | 10/15/21 19:17 | 1 |
| PCB-1254 (2C) | 9.1 | J | 19 | 7.1 | ug/Kg | ✱ | 10/15/21 09:45 | 10/15/21 19:17 | 1 |
| PCB-1260 (2C) | 10 | J | 19 | 7.1 | ug/Kg | ✱ | 10/15/21 09:45 | 10/15/21 19:17 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12

Lab Sample ID: 410-58999-2

Date Collected: 10/12/21 10:05

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 89.2

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 79 | ^c | 45 - 143 | 10/15/21 09:45 | 10/15/21 19:17 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 68 | | 45 - 143 | 10/15/21 09:45 | 10/15/21 19:17 | 1 |
| Tetrachloro-m-xylene (1C) | 65 | | 53 - 140 | 10/15/21 09:45 | 10/15/21 19:17 | 1 |
| Tetrachloro-m-xylene (2C) | 60 | | 53 - 140 | 10/15/21 09:45 | 10/15/21 19:17 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 19 | | 1.5 | 0.62 | mg/Kg | ☆ | 11/09/21 19:12 | 11/16/21 12:34 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| HEM (Oil & Grease) | 1600 | | 670 | 220 | mg/Kg | ☆ | 10/18/21 23:57 | 10/20/21 10:30 | 1 |

Client Sample ID: Hartranft-10TH-CONF-SOIL-3-2021-10-12

Lab Sample ID: 410-58999-3

Date Collected: 10/12/21 10:07

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Benzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:17 | 20 |
| Carbon tetrachloride | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:17 | 20 |
| Chlorobenzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:17 | 20 |
| Chloroform | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:17 | 20 |
| 1,2-Dichloroethane | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:17 | 20 |
| 1,1-Dichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:17 | 20 |
| 2-Butanone | ND | | 0.20 | 0.010 | mg/L | | | 10/20/21 04:17 | 20 |
| Tetrachloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:17 | 20 |
| Trichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:17 | 20 |
| Vinyl chloride | ND | | 0.020 | 0.0040 | mg/L | | | 10/20/21 04:17 | 20 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 80 - 120 | | 10/20/21 04:17 | 20 |
| 4-Bromofluorobenzene (Surr) | 95 | | 80 - 120 | | 10/20/21 04:17 | 20 |
| Dibromofluoromethane (Surr) | 103 | | 80 - 120 | | 10/20/21 04:17 | 20 |
| Toluene-d8 (Surr) | 102 | | 80 - 120 | | 10/20/21 04:17 | 20 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| 2-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| Hexachlorobenzene | ND | | 0.0025 | 0.00055 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| Hexachlorobutadiene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| Hexachloroethane | ND | | 0.025 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| Nitrobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| Pentachlorophenol | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| Pyridine | ND | | 0.025 | 0.010 | mg/L | | 10/19/21 17:40 | 10/20/21 15:50 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-3-2021-10-12

Lab Sample ID: 410-58999-3

Date Collected: 10/12/21 10:07

Matrix: Solid

Date Received: 10/13/21 18:10

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 56 | | 10 - 150 | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| 2-Fluorobiphenyl (Surr) | 71 | | 35 - 100 | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| 2-Fluorophenol (Surr) | 11 | | 10 - 78 | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| Nitrobenzene-d5 (Surr) | 76 | | 22 - 117 | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| p-Terphenyl-d14 (Surr) | 89 | | 31 - 119 | 10/19/21 17:40 | 10/20/21 15:50 | 1 |
| Phenol-d5 (Surr) | 11 | | 10 - 67 | 10/19/21 17:40 | 10/20/21 15:50 | 1 |

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Endrin (1C) | ND | | 0.0010 | 0.00040 | mg/L | | 10/19/21 17:27 | 10/20/21 09:53 | 10 |
| gamma-BHC (Lindane) (1C) | ND | *1 | 0.00050 | 0.00010 | mg/L | | 10/19/21 17:27 | 10/20/21 09:53 | 10 |
| Heptachlor (1C) | ND | | 0.00050 | 0.00020 | mg/L | | 10/19/21 17:27 | 10/20/21 09:53 | 10 |
| Heptachlor epoxide (1C) | ND | | 0.00050 | 0.00012 | mg/L | | 10/19/21 17:27 | 10/20/21 09:53 | 10 |
| Methoxychlor (1C) | ND | ^c | 0.0050 | 0.0015 | mg/L | | 10/19/21 17:27 | 10/20/21 09:53 | 10 |
| Toxaphene (1C) | ND | | 0.15 | 0.050 | mg/L | | 10/19/21 17:27 | 10/20/21 09:53 | 10 |
| Chlordane (n.o.s.) (1C) | ND | | 0.025 | 0.0080 | mg/L | | 10/19/21 17:27 | 10/20/21 09:53 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 90 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 09:53 | 10 |
| DCB Decachlorobiphenyl (Surr) (2C) | 92 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 09:53 | 10 |
| Tetrachloro-m-xylene (Surr) (1C) | 64 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 09:53 | 10 |
| Tetrachloro-m-xylene (Surr) (2C) | 58 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 09:53 | 10 |

Method: 8151A - Herbicides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Silvex (2,4,5-TP) (1C) | ND | | 0.0050 | 0.0010 | mg/L | | 10/20/21 00:20 | 10/22/21 00:36 | 1 |
| 2,4-D (1C) | ND | | 0.050 | 0.016 | mg/L | | 10/20/21 00:20 | 10/22/21 00:36 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 98 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 00:36 | 1 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 86 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 00:36 | 1 |

Method: 6010C - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Arsenic | ND | ^3+ | 0.30 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:11 | 1 |
| Barium | 0.43 | B | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:11 | 1 |
| Cadmium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:11 | 1 |
| Chromium | ND | | 0.15 | 0.016 | mg/L | | 10/18/21 04:53 | 10/19/21 15:11 | 1 |
| Lead | ND | B | 0.15 | 0.071 | mg/L | | 10/18/21 04:53 | 10/19/21 15:11 | 1 |
| Selenium | ND | *+ | 0.50 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:11 | 1 |
| Silver | ND | | 0.10 | 0.050 | mg/L | | 10/18/21 04:53 | 10/19/21 15:11 | 1 |
| Copper | ND | | 0.20 | 0.12 | mg/L | | 10/18/21 04:53 | 10/19/21 15:11 | 1 |
| Zinc | 0.86 | | 0.20 | 0.037 | mg/L | | 10/18/21 04:53 | 10/19/21 15:11 | 1 |
| Nickel | ND | B | 0.10 | 0.021 | mg/L | | 10/18/21 04:53 | 10/19/21 15:11 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.00020 | 0.000079 | mg/L | | 10/18/21 05:04 | 10/18/21 18:39 | 1 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-3-2021-10-12

Lab Sample ID: 410-58999-3

Date Collected: 10/12/21 10:07

Matrix: Solid

Date Received: 10/13/21 18:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|------|------|---------|---|----------------|----------------|---------|
| Total Solids | 14 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Total Volatile Solids | 97 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Percent Solids | 14 | ! | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Cyanide, Reactive | ND | *- | 58 | 19 | mg/Kg | | 10/15/21 07:55 | 10/15/21 14:39 | 1 |
| Sulfide, Reactive | ND | ! | 160 | 52 | mg/Kg | | 10/15/21 07:55 | 10/15/21 12:20 | 1 |
| Presence of Free Liquid | No | | | | No Unit | | | 10/18/21 19:55 | 1 |
| Percent Moisture | 11.3 | ! | 1.0 | 1.0 | % | | | 10/14/21 12:07 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| pH | 9.5 | | 0.01 | 0.01 | S.U. | | | 10/15/21 18:30 | 1 |
| Corrosivity | No | | 0.01 | 0.01 | NONE | | | 10/15/21 18:30 | 1 |

General Chemistry - ASTM Leach

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | 2.1 | J ! B | 5.2 | 1.5 | mg/L | | | 10/19/21 20:36 | 1 |
| Total Solids | 56 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Residue, Total | 56 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Chemical Oxygen Demand | 63 | J ! | 75 | 25 | mg/L | | | 10/19/21 12:51 | 1 |
| Ammonia as N | ND | ! | 0.10 | 0.050 | mg/L | | | 11/02/21 11:03 | 1 |

Client Sample ID: Hartranft-10TH-CONF-SOIL-3-2021-10-12

Lab Sample ID: 410-58999-3

Date Collected: 10/12/21 10:07

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 88.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Benzene | ND | | 300 | 30 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| Toluene | ND | | 300 | 37 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| Ethylbenzene | ND | | 300 | 24 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| Xylenes, Total | ND | | 610 | 85 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| 1,2,4-Trimethylbenzene | 50 | J | 300 | 30 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| Naphthalene | ND | | 300 | 120 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| Isopropylbenzene | ND | | 300 | 24 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| 1,3,5-Trimethylbenzene | ND | | 300 | 30 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| 1,2-Dibromoethane | ND | | 300 | 24 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| Methyl tertiary butyl ether | ND | | 300 | 30 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| 1,2-Dichloroethane | ND | | 300 | 37 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 54 - 135 | | | | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| 4-Bromofluorobenzene (Surr) | 99 | | 50 - 131 | | | | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| Dibromofluoromethane (Surr) | 89 | | 50 - 141 | | | | 10/14/21 11:18 | 10/18/21 15:08 | 50 |
| Toluene-d8 (Surr) | 102 | | 52 - 141 | | | | 10/14/21 11:18 | 10/18/21 15:08 | 50 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-3-2021-10-12

Lab Sample ID: 410-58999-3

Date Collected: 10/12/21 10:07

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 88.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|------------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (2C) | ND | | 19 | 5.9 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:28 | 1 |
| PCB-1221 (2C) | ND | | 19 | 5.9 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:28 | 1 |
| PCB-1232 (2C) | ND | | 19 | 5.9 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:28 | 1 |
| PCB-1242 (2C) | ND | | 19 | 5.9 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:28 | 1 |
| PCB-1248 (2C) | ND | | 19 | 5.9 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:28 | 1 |
| PCB-1254 (2C) | 13 | J p | 19 | 7.2 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:28 | 1 |
| PCB-1260 (2C) | 47 | | 19 | 7.2 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:28 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 155 | S1+ ^c | 45 - 143 | 10/15/21 09:45 | 10/15/21 19:28 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 136 | | 45 - 143 | 10/15/21 09:45 | 10/15/21 19:28 | 1 |
| Tetrachloro-m-xylene (1C) | 71 | | 53 - 140 | 10/15/21 09:45 | 10/15/21 19:28 | 1 |
| Tetrachloro-m-xylene (2C) | 68 | | 53 - 140 | 10/15/21 09:45 | 10/15/21 19:28 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 21 | | 1.6 | 0.64 | mg/Kg | ☼ | 11/09/21 13:56 | 11/10/21 10:53 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| HEM (Oil & Grease) | 2900 | | 670 | 220 | mg/Kg | ☼ | 10/18/21 23:57 | 10/20/21 10:30 | 1 |

Client Sample ID: Hartranft-10TH-CONF-SOIL-4-2021-10-12

Lab Sample ID: 410-58999-4

Date Collected: 10/12/21 10:11

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Benzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:40 | 20 |
| Carbon tetrachloride | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:40 | 20 |
| Chlorobenzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:40 | 20 |
| Chloroform | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:40 | 20 |
| 1,2-Dichloroethane | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:40 | 20 |
| 1,1-Dichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:40 | 20 |
| 2-Butanone | ND | | 0.20 | 0.010 | mg/L | | | 10/20/21 04:40 | 20 |
| Tetrachloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:40 | 20 |
| Trichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 04:40 | 20 |
| Vinyl chloride | ND | | 0.020 | 0.0040 | mg/L | | | 10/20/21 04:40 | 20 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 80 - 120 | | 10/20/21 04:40 | 20 |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 | | 10/20/21 04:40 | 20 |
| Dibromofluoromethane (Surr) | 102 | | 80 - 120 | | 10/20/21 04:40 | 20 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 | | 10/20/21 04:40 | 20 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-4-2021-10-12

Lab Sample ID: 410-58999-4

Date Collected: 10/12/21 10:11

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| 2-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| Hexachlorobenzene | ND | | 0.0025 | 0.00055 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| Hexachlorobutadiene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| Hexachloroethane | ND | | 0.025 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| Nitrobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| Pentachlorophenol | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| Pyridine | ND | | 0.025 | 0.010 | mg/L | | 10/19/21 17:40 | 10/20/21 16:19 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 72 | | 10 - 150 | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| 2-Fluorobiphenyl (Surr) | 69 | | 35 - 100 | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| 2-Fluorophenol (Surr) | 16 | | 10 - 78 | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| Nitrobenzene-d5 (Surr) | 76 | | 22 - 117 | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| p-Terphenyl-d14 (Surr) | 90 | | 31 - 119 | 10/19/21 17:40 | 10/20/21 16:19 | 1 |
| Phenol-d5 (Surr) | 13 | | 10 - 67 | 10/19/21 17:40 | 10/20/21 16:19 | 1 |

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Endrin (1C) | ND | | 0.0010 | 0.00040 | mg/L | | 10/19/21 17:27 | 10/20/21 10:04 | 10 |
| gamma-BHC (Lindane) (1C) | ND | *1 | 0.00050 | 0.00010 | mg/L | | 10/19/21 17:27 | 10/20/21 10:04 | 10 |
| Heptachlor (1C) | ND | | 0.00050 | 0.00020 | mg/L | | 10/19/21 17:27 | 10/20/21 10:04 | 10 |
| Heptachlor epoxide (1C) | ND | | 0.00050 | 0.00012 | mg/L | | 10/19/21 17:27 | 10/20/21 10:04 | 10 |
| Methoxychlor (1C) | ND | ^c | 0.0050 | 0.0015 | mg/L | | 10/19/21 17:27 | 10/20/21 10:04 | 10 |
| Toxaphene (1C) | ND | | 0.15 | 0.050 | mg/L | | 10/19/21 17:27 | 10/20/21 10:04 | 10 |
| Chlordane (n.o.s.) (1C) | ND | | 0.025 | 0.0080 | mg/L | | 10/19/21 17:27 | 10/20/21 10:04 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 82 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 10:04 | 10 |
| DCB Decachlorobiphenyl (Surr) (2C) | 86 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 10:04 | 10 |
| Tetrachloro-m-xylene (Surr) (1C) | 60 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 10:04 | 10 |
| Tetrachloro-m-xylene (Surr) (2C) | 54 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 10:04 | 10 |

Method: 8151A - Herbicides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Silvex (2,4,5-TP) (1C) | ND | | 0.0050 | 0.0010 | mg/L | | 10/20/21 00:20 | 10/22/21 01:11 | 1 |
| 2,4-D (1C) | ND | | 0.050 | 0.016 | mg/L | | 10/20/21 00:20 | 10/22/21 01:11 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 98 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 01:11 | 1 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 83 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 01:11 | 1 |

Method: 6010C - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Arsenic | ND | ^3+ | 0.30 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:30 | 1 |
| Barium | 0.37 | B | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:30 | 1 |
| Cadmium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:30 | 1 |
| Chromium | 0.018 | J | 0.15 | 0.016 | mg/L | | 10/18/21 04:53 | 10/19/21 15:30 | 1 |
| Lead | 0.35 | B | 0.15 | 0.071 | mg/L | | 10/18/21 04:53 | 10/19/21 15:30 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-4-2021-10-12

Lab Sample ID: 410-58999-4

Date Collected: 10/12/21 10:11

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 6010C - Metals (ICP) - TCLP (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|--------------|------------|------|-------|------|---|----------------|----------------|---------|
| Selenium | ND | *+ | 0.50 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:30 | 1 |
| Silver | ND | | 0.10 | 0.050 | mg/L | | 10/18/21 04:53 | 10/19/21 15:30 | 1 |
| Copper | ND | | 0.20 | 0.12 | mg/L | | 10/18/21 04:53 | 10/19/21 15:30 | 1 |
| Zinc | 2.3 | | 0.20 | 0.037 | mg/L | | 10/18/21 04:53 | 10/19/21 15:30 | 1 |
| Nickel | 0.057 | J B | 0.10 | 0.021 | mg/L | | 10/18/21 04:53 | 10/19/21 15:30 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.00020 | 0.000079 | mg/L | | 10/18/21 05:04 | 10/18/21 18:47 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|------------|-----------|------|------|---------|---|----------------|----------------|---------|
| Total Solids | 89 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Total Volatile Solids | 2.3 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Percent Solids | 89 | ! | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Cyanide, Reactive | ND | *- | 58 | 19 | mg/Kg | | 10/15/21 07:55 | 10/15/21 14:41 | 1 |
| Sulfide, Reactive | ND | ! | 160 | 52 | mg/Kg | | 10/15/21 07:55 | 10/15/21 12:20 | 1 |
| Presence of Free Liquid | No | | | | No Unit | | | 10/18/21 19:55 | 1 |
| Percent Moisture | 8.3 | ! | 1.0 | 1.0 | % | | | 10/14/21 12:07 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|------------|-----------|------|------|------|---|----------|----------------|---------|
| pH | 8.0 | | 0.01 | 0.01 | S.U. | | | 10/15/21 18:30 | 1 |
| Corrosivity | No | | 0.01 | 0.01 | NONE | | | 10/15/21 18:30 | 1 |

General Chemistry - ASTM Leach

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------|-----------|------|-------|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | ND | ! B | 5.6 | 1.6 | mg/L | | | 10/19/21 20:36 | 1 |
| Total Solids | 110 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Residue, Total | 110 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Chemical Oxygen Demand | ND | ! | 75 | 25 | mg/L | | | 10/19/21 12:52 | 1 |
| Ammonia as N | ND | ! | 0.10 | 0.050 | mg/L | | | 11/02/21 11:05 | 1 |

Client Sample ID: Hartranft-10TH-CONF-SOIL-4-2021-10-12

Lab Sample ID: 410-58999-4

Date Collected: 10/12/21 10:11

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 91.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 300 | 30 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| Toluene | ND | | 300 | 36 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| Ethylbenzene | 63 | J | 300 | 24 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| Xylenes, Total | 620 | | 600 | 83 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| 1,2,4-Trimethylbenzene | 6000 | | 300 | 30 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| Naphthalene | 2900 | | 300 | 120 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| Isopropylbenzene | 150 | J | 300 | 24 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| 1,3,5-Trimethylbenzene | 1700 | | 300 | 30 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-4-2021-10-12

Lab Sample ID: 410-58999-4

Date Collected: 10/12/21 10:11

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 91.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1,2-Dibromoethane | ND | | 300 | 24 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| Methyl tertiary butyl ether | ND | | 300 | 30 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| 1,2-Dichloroethane | ND | | 300 | 36 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:29 | 50 |

| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 54 - 135 | | | | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| 4-Bromofluorobenzene (Surr) | 105 | | 50 - 131 | | | | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| Dibromofluoromethane (Surr) | 92 | | 50 - 141 | | | | 10/14/21 11:18 | 10/18/21 15:29 | 50 |
| Toluene-d8 (Surr) | 100 | | 52 - 141 | | | | 10/14/21 11:18 | 10/18/21 15:29 | 50 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (2C) | ND | | 18 | 5.7 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:38 | 1 |
| PCB-1221 (2C) | ND | | 18 | 5.7 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:38 | 1 |
| PCB-1232 (2C) | ND | | 18 | 5.7 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:38 | 1 |
| PCB-1242 (2C) | ND | | 18 | 5.7 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:38 | 1 |
| PCB-1248 (2C) | ND | | 18 | 5.7 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:38 | 1 |
| PCB-1254 (2C) | 8.6 | J | 18 | 6.9 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:38 | 1 |
| PCB-1260 (2C) | 7.9 | J | 18 | 6.9 | ug/Kg | ☼ | 10/15/21 09:45 | 10/15/21 19:38 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 89 | ^c | 45 - 143 | | | | 10/15/21 09:45 | 10/15/21 19:38 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 78 | | 45 - 143 | | | | 10/15/21 09:45 | 10/15/21 19:38 | 1 |
| Tetrachloro-m-xylene (1C) | 62 | | 53 - 140 | | | | 10/15/21 09:45 | 10/15/21 19:38 | 1 |
| Tetrachloro-m-xylene (2C) | 63 | | 53 - 140 | | | | 10/15/21 09:45 | 10/15/21 19:38 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 21 | | 1.2 | 0.49 | mg/Kg | ☼ | 11/09/21 19:12 | 11/16/21 12:18 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| HEM (Oil & Grease) | 6500 | | 650 | 220 | mg/Kg | ☼ | 10/18/21 23:57 | 10/20/21 10:30 | 1 |

Client Sample ID: Hartranft-10TH-CONF-SOIL-5-2021-10-12

Lab Sample ID: 410-58999-5

Date Collected: 10/12/21 10:12

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Benzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:03 | 20 |
| Carbon tetrachloride | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:03 | 20 |
| Chlorobenzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:03 | 20 |
| Chloroform | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:03 | 20 |
| 1,2-Dichloroethane | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:03 | 20 |
| 1,1-Dichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:03 | 20 |
| 2-Butanone | ND | | 0.20 | 0.010 | mg/L | | | 10/20/21 05:03 | 20 |
| Tetrachloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:03 | 20 |
| Trichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:03 | 20 |
| Vinyl chloride | ND | | 0.020 | 0.0040 | mg/L | | | 10/20/21 05:03 | 20 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-5-2021-10-12

Lab Sample ID: 410-58999-5

Date Collected: 10/12/21 10:12

Matrix: Solid

Date Received: 10/13/21 18:10

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 80 - 120 | | 10/20/21 05:03 | 20 |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 | | 10/20/21 05:03 | 20 |
| Dibromofluoromethane (Surr) | 104 | | 80 - 120 | | 10/20/21 05:03 | 20 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 | | 10/20/21 05:03 | 20 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| 2-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| Hexachlorobenzene | ND | | 0.0025 | 0.00055 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| Hexachlorobutadiene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| Hexachloroethane | ND | | 0.025 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| Nitrobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| Pentachlorophenol | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| Pyridine | ND | | 0.025 | 0.010 | mg/L | | 10/19/21 17:40 | 10/20/21 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 67 | | 10 - 150 | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| 2-Fluorobiphenyl (Surr) | 55 | | 35 - 100 | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| 2-Fluorophenol (Surr) | 17 | | 10 - 78 | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| Nitrobenzene-d5 (Surr) | 56 | | 22 - 117 | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| p-Terphenyl-d14 (Surr) | 74 | | 31 - 119 | 10/19/21 17:40 | 10/20/21 16:48 | 1 |
| Phenol-d5 (Surr) | 15 | | 10 - 67 | 10/19/21 17:40 | 10/20/21 16:48 | 1 |

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Endrin (1C) | ND | | 0.0010 | 0.00040 | mg/L | | 10/19/21 17:27 | 10/20/21 10:15 | 10 |
| gamma-BHC (Lindane) (1C) | ND | *1 | 0.00050 | 0.00010 | mg/L | | 10/19/21 17:27 | 10/20/21 10:15 | 10 |
| Heptachlor (1C) | ND | | 0.00050 | 0.00020 | mg/L | | 10/19/21 17:27 | 10/20/21 10:15 | 10 |
| Heptachlor epoxide (1C) | ND | | 0.00050 | 0.00012 | mg/L | | 10/19/21 17:27 | 10/20/21 10:15 | 10 |
| Methoxychlor (1C) | ND | ^c | 0.0050 | 0.0015 | mg/L | | 10/19/21 17:27 | 10/20/21 10:15 | 10 |
| Toxaphene (1C) | ND | | 0.15 | 0.050 | mg/L | | 10/19/21 17:27 | 10/20/21 10:15 | 10 |
| Chlordane (n.o.s.) (1C) | ND | | 0.025 | 0.0080 | mg/L | | 10/19/21 17:27 | 10/20/21 10:15 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 80 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 10:15 | 10 |
| DCB Decachlorobiphenyl (Surr) (2C) | 90 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 10:15 | 10 |
| Tetrachloro-m-xylene (Surr) (1C) | 92 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 10:15 | 10 |
| Tetrachloro-m-xylene (Surr) (2C) | 82 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 10:15 | 10 |

Method: 8151A - Herbicides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Silvex (2,4,5-TP) (1C) | ND | | 0.0050 | 0.0010 | mg/L | | 10/20/21 00:20 | 10/22/21 01:47 | 1 |
| 2,4-D (1C) | ND | | 0.050 | 0.016 | mg/L | | 10/20/21 00:20 | 10/22/21 01:47 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 99 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 01:47 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-5-2021-10-12

Lab Sample ID: 410-58999-5

Date Collected: 10/12/21 10:12

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8151A - Herbicides (GC) - TCLP (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 95 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 01:47 | 1 |

Method: 6010C - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Arsenic | ND | ^3+ | 0.30 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:15 | 1 |
| Barium | 0.27 | B | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:15 | 1 |
| Cadmium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:15 | 1 |
| Chromium | ND | | 0.15 | 0.016 | mg/L | | 10/18/21 04:53 | 10/19/21 15:15 | 1 |
| Lead | ND | B | 0.15 | 0.071 | mg/L | | 10/18/21 04:53 | 10/19/21 15:15 | 1 |
| Selenium | ND | *+ | 0.50 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:15 | 1 |
| Silver | ND | | 0.10 | 0.050 | mg/L | | 10/18/21 04:53 | 10/19/21 15:15 | 1 |
| Copper | ND | | 0.20 | 0.12 | mg/L | | 10/18/21 04:53 | 10/19/21 15:15 | 1 |
| Zinc | 1.9 | | 0.20 | 0.037 | mg/L | | 10/18/21 04:53 | 10/19/21 15:15 | 1 |
| Nickel | ND | B | 0.10 | 0.021 | mg/L | | 10/18/21 04:53 | 10/19/21 15:15 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.00020 | 0.000079 | mg/L | | 10/18/21 05:04 | 10/18/21 18:41 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|------|------|---------|---|----------------|----------------|---------|
| Total Solids | 93 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Total Volatile Solids | 2.9 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Percent Solids | 93 | ! | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Cyanide, Reactive | ND | *- | 59 | 20 | mg/Kg | | 10/15/21 07:55 | 10/15/21 14:42 | 1 |
| Sulfide, Reactive | ND | ! | 160 | 53 | mg/Kg | | 10/15/21 07:55 | 10/15/21 12:20 | 1 |
| Presence of Free Liquid | No | | | | No Unit | | | 10/18/21 19:55 | 1 |
| Percent Moisture | 6.2 | ! | 1.0 | 1.0 | % | | | 10/14/21 12:07 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| pH | 8.7 | | 0.01 | 0.01 | S.U. | | | 10/15/21 18:30 | 1 |
| Corrosivity | No | | 0.01 | 0.01 | NONE | | | 10/15/21 18:30 | 1 |

General Chemistry - ASTM Leach

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | 2.1 | J ! B | 5.3 | 1.5 | mg/L | | | 10/19/21 20:36 | 1 |
| Total Solids | 100 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Residue, Total | 100 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Chemical Oxygen Demand | 25 | J ! | 75 | 25 | mg/L | | | 10/19/21 12:53 | 1 |
| Ammonia as N | ND | ! | 0.10 | 0.050 | mg/L | | | 11/02/21 11:07 | 1 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-5-2021-10-12

Lab Sample ID: 410-58999-5

Date Collected: 10/12/21 10:12

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 93.8

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 280 | 28 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| Toluene | ND | | 280 | 34 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| Ethylbenzene | ND | | 280 | 23 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| Xylenes, Total | ND | | 570 | 80 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| 1,2,4-Trimethylbenzene | 76 | J | 280 | 28 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| Naphthalene | ND | | 280 | 110 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| Isopropylbenzene | ND | | 280 | 23 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| 1,3,5-Trimethylbenzene | ND | | 280 | 28 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| 1,2-Dibromoethane | ND | | 280 | 23 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| Methyl tertiary butyl ether | ND | | 280 | 28 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| 1,2-Dichloroethane | ND | | 280 | 34 | ug/Kg | ☼ | 10/14/21 11:18 | 10/18/21 15:50 | 50 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 54 - 135 | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| 4-Bromofluorobenzene (Surr) | 98 | | 50 - 131 | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| Dibromofluoromethane (Surr) | 80 | | 50 - 141 | 10/14/21 11:18 | 10/18/21 15:50 | 50 |
| Toluene-d8 (Surr) | 99 | | 52 - 141 | 10/14/21 11:18 | 10/18/21 15:50 | 50 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|------------|-----------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (1C) | ND | | 18 | 5.6 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:03 | 1 |
| PCB-1221 (1C) | ND | | 18 | 5.6 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:03 | 1 |
| PCB-1232 (1C) | ND | | 18 | 5.6 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:03 | 1 |
| PCB-1242 (1C) | ND | | 18 | 5.6 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:03 | 1 |
| PCB-1248 (1C) | ND | | 18 | 5.6 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:03 | 1 |
| PCB-1254 (1C) | ND | | 18 | 6.8 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:03 | 1 |
| PCB-1260 (2C) | 9.2 | J | 18 | 6.8 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:03 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 121 | ^c | 45 - 143 | 10/16/21 09:07 | 10/18/21 11:03 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 102 | | 45 - 143 | 10/16/21 09:07 | 10/18/21 11:03 | 1 |
| Tetrachloro-m-xylene (1C) | 73 | | 53 - 140 | 10/16/21 09:07 | 10/18/21 11:03 | 1 |
| Tetrachloro-m-xylene (2C) | 69 | | 53 - 140 | 10/16/21 09:07 | 10/18/21 11:03 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 20 | | 1.4 | 0.54 | mg/Kg | ☼ | 11/09/21 19:12 | 11/16/21 12:38 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| HEM (Oil & Grease) | 950 | | 630 | 210 | mg/Kg | ☼ | 10/18/21 23:57 | 10/20/21 10:30 | 1 |

Client Sample ID: Hartranft-10TH-CONF-SOIL-6-2021-10-12

Lab Sample ID: 410-58999-6

Date Collected: 10/12/21 10:16

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Benzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:26 | 20 |
| Carbon tetrachloride | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:26 | 20 |
| Chlorobenzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:26 | 20 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-6-2021-10-12

Lab Sample ID: 410-58999-6

Date Collected: 10/12/21 10:16

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Chloroform | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:26 | 20 |
| 1,2-Dichloroethane | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:26 | 20 |
| 1,1-Dichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:26 | 20 |
| 2-Butanone | ND | | 0.20 | 0.010 | mg/L | | | 10/20/21 05:26 | 20 |
| Tetrachloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:26 | 20 |
| Trichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:26 | 20 |
| Vinyl chloride | ND | | 0.020 | 0.0040 | mg/L | | | 10/20/21 05:26 | 20 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 80 - 120 | | 10/20/21 05:26 | 20 |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 | | 10/20/21 05:26 | 20 |
| Dibromofluoromethane (Surr) | 101 | | 80 - 120 | | 10/20/21 05:26 | 20 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 | | 10/20/21 05:26 | 20 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| 2-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| Hexachlorobenzene | ND | | 0.0025 | 0.00055 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| Hexachlorobutadiene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| Hexachloroethane | ND | | 0.025 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| Nitrobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| Pentachlorophenol | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| Pyridine | ND | | 0.025 | 0.010 | mg/L | | 10/19/21 17:40 | 10/20/21 17:17 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 95 | | 10 - 150 | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| 2-Fluorobiphenyl (Surr) | 71 | | 35 - 100 | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| 2-Fluorophenol (Surr) | 49 | | 10 - 78 | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| Nitrobenzene-d5 (Surr) | 77 | | 22 - 117 | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| p-Terphenyl-d14 (Surr) | 82 | | 31 - 119 | 10/19/21 17:40 | 10/20/21 17:17 | 1 |
| Phenol-d5 (Surr) | 39 | | 10 - 67 | 10/19/21 17:40 | 10/20/21 17:17 | 1 |

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Endrin (1C) | ND | | 0.0010 | 0.00040 | mg/L | | 10/19/21 17:27 | 10/20/21 10:26 | 10 |
| gamma-BHC (Lindane) (1C) | ND | *1 | 0.00050 | 0.00010 | mg/L | | 10/19/21 17:27 | 10/20/21 10:26 | 10 |
| Heptachlor (1C) | ND | | 0.00050 | 0.00020 | mg/L | | 10/19/21 17:27 | 10/20/21 10:26 | 10 |
| Heptachlor epoxide (1C) | ND | | 0.00050 | 0.00012 | mg/L | | 10/19/21 17:27 | 10/20/21 10:26 | 10 |
| Methoxychlor (1C) | ND | ^c | 0.0050 | 0.0015 | mg/L | | 10/19/21 17:27 | 10/20/21 10:26 | 10 |
| Toxaphene (1C) | ND | | 0.15 | 0.050 | mg/L | | 10/19/21 17:27 | 10/20/21 10:26 | 10 |
| Chlordane (n.o.s.) (1C) | ND | | 0.025 | 0.0080 | mg/L | | 10/19/21 17:27 | 10/20/21 10:26 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 63 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 10:26 | 10 |
| DCB Decachlorobiphenyl (Surr) (2C) | 69 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 10:26 | 10 |
| Tetrachloro-m-xylene (Surr) (1C) | 83 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 10:26 | 10 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-6-2021-10-12

Lab Sample ID: 410-58999-6

Date Collected: 10/12/21 10:16

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene (Surr) (2C) | 77 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 10:26 | 10 |

Method: 8151A - Herbicides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Silvex (2,4,5-TP) (1C) | ND | | 0.0050 | 0.0010 | mg/L | | 10/20/21 00:20 | 10/22/21 02:22 | 1 |
| 2,4-D (1C) | ND | | 0.050 | 0.016 | mg/L | | 10/20/21 00:20 | 10/22/21 02:22 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 91 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 02:22 | 1 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 81 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 02:22 | 1 |

Method: 6010C - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Arsenic | ND | ^3+ | 0.30 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:18 | 1 |
| Barium | 0.40 | B | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:18 | 1 |
| Cadmium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:18 | 1 |
| Chromium | ND | | 0.15 | 0.016 | mg/L | | 10/18/21 04:53 | 10/19/21 15:18 | 1 |
| Lead | 0.15 | B | 0.15 | 0.071 | mg/L | | 10/18/21 04:53 | 10/19/21 15:18 | 1 |
| Selenium | ND | *+ | 0.50 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:18 | 1 |
| Silver | ND | | 0.10 | 0.050 | mg/L | | 10/18/21 04:53 | 10/19/21 15:18 | 1 |
| Copper | ND | | 0.20 | 0.12 | mg/L | | 10/18/21 04:53 | 10/19/21 15:18 | 1 |
| Zinc | 1.5 | | 0.20 | 0.037 | mg/L | | 10/18/21 04:53 | 10/19/21 15:18 | 1 |
| Nickel | ND | B | 0.10 | 0.021 | mg/L | | 10/18/21 04:53 | 10/19/21 15:18 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.00020 | 0.000079 | mg/L | | 10/18/21 05:04 | 10/18/21 18:43 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|------|------|---------|---|----------------|----------------|---------|
| Total Solids | 87 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Total Volatile Solids | 12 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Percent Solids | 87 | ! | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Cyanide, Reactive | ND | *- | 59 | 20 | mg/Kg | | 10/15/21 07:55 | 10/15/21 14:43 | 1 |
| Sulfide, Reactive | ND | ! | 160 | 53 | mg/Kg | | 10/15/21 07:55 | 10/15/21 12:20 | 1 |
| Presence of Free Liquid | No | | | | No Unit | | | 10/18/21 19:55 | 1 |
| Percent Moisture | 18.1 | ! | 1.0 | 1.0 | % | | | 10/14/21 12:07 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| pH | 7.6 | | 0.01 | 0.01 | S.U. | | | 10/15/21 18:30 | 1 |
| Corrosivity | No | | 0.01 | 0.01 | NONE | | | 10/15/21 18:30 | 1 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-6-2021-10-12

Lab Sample ID: 410-58999-6

Date Collected: 10/12/21 10:16

Matrix: Solid

Date Received: 10/13/21 18:10

General Chemistry - ASTM Leach

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | 2.0 | J ! B | 5.3 | 1.5 | mg/L | | | 10/19/21 20:36 | 1 |
| Total Solids | 120 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Residue, Total | 120 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Chemical Oxygen Demand | 68 | J ! | 75 | 25 | mg/L | | | 10/19/21 12:54 | 1 |
| Ammonia as N | ND | ! | 0.10 | 0.050 | mg/L | | | 11/02/21 11:09 | 1 |

Client Sample ID: Hartranft-10TH-CONF-SOIL-6-2021-10-12

Lab Sample ID: 410-58999-6

Date Collected: 10/12/21 10:16

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 81.9

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 360 | 36 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| Toluene | ND | | 360 | 43 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| Ethylbenzene | ND | | 360 | 29 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| Xylenes, Total | ND | | 720 | 100 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| 1,2,4-Trimethylbenzene | 230 | J | 360 | 36 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| Naphthalene | 650 | | 360 | 140 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| Isopropylbenzene | 39 | J | 360 | 29 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| 1,3,5-Trimethylbenzene | 75 | J | 360 | 36 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| 1,2-Dibromoethane | ND | | 360 | 29 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| Methyl tertiary butyl ether | ND | | 360 | 36 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| 1,2-Dichloroethane | ND | | 360 | 43 | ug/Kg | ✳ | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 54 - 135 | | | | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| 4-Bromofluorobenzene (Surr) | 103 | | 50 - 131 | | | | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| Dibromofluoromethane (Surr) | 100 | | 50 - 141 | | | | 10/14/21 11:18 | 10/18/21 16:11 | 50 |
| Toluene-d8 (Surr) | 106 | | 52 - 141 | | | | 10/14/21 11:18 | 10/18/21 16:11 | 50 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (1C) | ND | | 21 | 6.4 | ug/Kg | ✳ | 10/16/21 09:07 | 10/18/21 11:14 | 1 |
| PCB-1221 (1C) | ND | | 21 | 6.4 | ug/Kg | ✳ | 10/16/21 09:07 | 10/18/21 11:14 | 1 |
| PCB-1232 (1C) | ND | | 21 | 6.4 | ug/Kg | ✳ | 10/16/21 09:07 | 10/18/21 11:14 | 1 |
| PCB-1242 (1C) | ND | | 21 | 6.4 | ug/Kg | ✳ | 10/16/21 09:07 | 10/18/21 11:14 | 1 |
| PCB-1248 (1C) | ND | | 21 | 6.4 | ug/Kg | ✳ | 10/16/21 09:07 | 10/18/21 11:14 | 1 |
| PCB-1254 (2C) | 23 | | 21 | 7.8 | ug/Kg | ✳ | 10/16/21 09:07 | 10/18/21 11:14 | 1 |
| PCB-1260 (1C) | ND | | 21 | 7.8 | ug/Kg | ✳ | 10/16/21 09:07 | 10/18/21 11:14 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl (Surr) (1C) | 97 | ^c | 45 - 143 | | | | 10/16/21 09:07 | 10/18/21 11:14 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 86 | | 45 - 143 | | | | 10/16/21 09:07 | 10/18/21 11:14 | 1 |
| Tetrachloro-m-xylene (1C) | 58 | | 53 - 140 | | | | 10/16/21 09:07 | 10/18/21 11:14 | 1 |
| Tetrachloro-m-xylene (2C) | 57 | | 53 - 140 | | | | 10/16/21 09:07 | 10/18/21 11:14 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 32 | | 1.8 | 0.72 | mg/Kg | ✳ | 11/09/21 19:12 | 11/16/21 12:30 | 1 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-6-2021-10-12

Lab Sample ID: 410-58999-6

Date Collected: 10/12/21 10:16

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 81.9

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| HEM (Oil & Grease) | 3300 | | 710 | 240 | mg/Kg | ☼ | 10/18/21 23:57 | 10/20/21 10:30 | 1 |

Client Sample ID: Hartranft-10TH-RB44062-RT-1-2021-10-12

Lab Sample ID: 410-58999-7

Date Collected: 10/12/21 10:30

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Benzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:49 | 20 |
| Carbon tetrachloride | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:49 | 20 |
| Chlorobenzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:49 | 20 |
| Chloroform | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:49 | 20 |
| 1,2-Dichloroethane | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:49 | 20 |
| 1,1-Dichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:49 | 20 |
| 2-Butanone | ND | | 0.20 | 0.010 | mg/L | | | 10/20/21 05:49 | 20 |
| Tetrachloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:49 | 20 |
| Trichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 05:49 | 20 |
| Vinyl chloride | ND | | 0.020 | 0.0040 | mg/L | | | 10/20/21 05:49 | 20 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 80 - 120 | | 10/20/21 05:49 | 20 |
| 4-Bromofluorobenzene (Surr) | 93 | | 80 - 120 | | 10/20/21 05:49 | 20 |
| Dibromofluoromethane (Surr) | 104 | | 80 - 120 | | 10/20/21 05:49 | 20 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 | | 10/20/21 05:49 | 20 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| 2-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| Hexachlorobenzene | ND | | 0.0025 | 0.00055 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| Hexachlorobutadiene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| Hexachloroethane | ND | | 0.025 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| Nitrobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| Pentachlorophenol | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| Pyridine | ND | | 0.025 | 0.010 | mg/L | | 10/19/21 17:40 | 10/20/21 17:46 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 90 | | 10 - 150 | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| 2-Fluorobiphenyl (Surr) | 69 | | 35 - 100 | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| 2-Fluorophenol (Surr) | 41 | | 10 - 78 | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| Nitrobenzene-d5 (Surr) | 77 | | 22 - 117 | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| p-Terphenyl-d14 (Surr) | 83 | | 31 - 119 | 10/19/21 17:40 | 10/20/21 17:46 | 1 |
| Phenol-d5 (Surr) | 34 | | 10 - 67 | 10/19/21 17:40 | 10/20/21 17:46 | 1 |

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Endrin (1C) | ND | | 0.0010 | 0.00040 | mg/L | | 10/19/21 17:27 | 10/20/21 10:37 | 10 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-1-2021-10-12

Lab Sample ID: 410-58999-7

Date Collected: 10/12/21 10:30

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| gamma-BHC (Lindane) (1C) | ND | *1 | 0.00050 | 0.00010 | mg/L | | 10/19/21 17:27 | 10/20/21 10:37 | 10 |
| Heptachlor (1C) | ND | | 0.00050 | 0.00020 | mg/L | | 10/19/21 17:27 | 10/20/21 10:37 | 10 |
| Heptachlor epoxide (1C) | ND | | 0.00050 | 0.00012 | mg/L | | 10/19/21 17:27 | 10/20/21 10:37 | 10 |
| Methoxychlor (1C) | ND | ^c | 0.0050 | 0.0015 | mg/L | | 10/19/21 17:27 | 10/20/21 10:37 | 10 |
| Toxaphene (1C) | ND | | 0.15 | 0.050 | mg/L | | 10/19/21 17:27 | 10/20/21 10:37 | 10 |
| Chlordane (n.o.s.) (1C) | ND | | 0.025 | 0.0080 | mg/L | | 10/19/21 17:27 | 10/20/21 10:37 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 95 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 10:37 | 10 |
| DCB Decachlorobiphenyl (Surr) (2C) | 100 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 10:37 | 10 |
| Tetrachloro-m-xylene (Surr) (1C) | 94 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 10:37 | 10 |
| Tetrachloro-m-xylene (Surr) (2C) | 88 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 10:37 | 10 |

Method: 8151A - Herbicides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Silvex (2,4,5-TP) (1C) | ND | | 0.0050 | 0.0010 | mg/L | | 10/20/21 00:20 | 10/22/21 02:57 | 1 |
| 2,4-D (1C) | ND | | 0.050 | 0.016 | mg/L | | 10/20/21 00:20 | 10/22/21 02:57 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 98 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 02:57 | 1 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 82 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 02:57 | 1 |

Method: 6010C - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Arsenic | ND | ^3+ | 0.30 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:27 | 1 |
| Barium | 0.54 | B | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:27 | 1 |
| Cadmium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:27 | 1 |
| Chromium | ND | | 0.15 | 0.016 | mg/L | | 10/18/21 04:53 | 10/19/21 15:27 | 1 |
| Lead | ND | B | 0.15 | 0.071 | mg/L | | 10/18/21 04:53 | 10/19/21 15:27 | 1 |
| Selenium | ND | *+ | 0.50 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:27 | 1 |
| Silver | ND | | 0.10 | 0.050 | mg/L | | 10/18/21 04:53 | 10/19/21 15:27 | 1 |
| Copper | ND | | 0.20 | 0.12 | mg/L | | 10/18/21 04:53 | 10/19/21 15:27 | 1 |
| Zinc | 7.3 | | 0.20 | 0.037 | mg/L | | 10/18/21 04:53 | 10/19/21 15:27 | 1 |
| Nickel | 0.11 | B | 0.10 | 0.021 | mg/L | | 10/18/21 04:53 | 10/19/21 15:27 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.00020 | 0.000079 | mg/L | | 10/18/21 05:04 | 10/18/21 18:45 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Total Solids | 80 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Total Volatile Solids | 8.7 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Percent Solids | 80 | ! | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Cyanide, Reactive | ND | *- | 58 | 19 | mg/Kg | | 10/15/21 07:55 | 10/15/21 14:45 | 1 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-1-2021-10-12

Lab Sample ID: 410-58999-7

Date Collected: 10/12/21 10:30

Matrix: Solid

Date Received: 10/13/21 18:10

General Chemistry (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|-----|-----|---------|---|----------------|----------------|---------|
| Sulfide, Reactive | ND | ! | 150 | 52 | mg/Kg | | 10/15/21 07:55 | 10/15/21 12:20 | 1 |
| Presence of Free Liquid | No | | | | No Unit | | | 10/18/21 19:55 | 1 |
| Percent Moisture | 18.2 | ! | 1.0 | 1.0 | % | | | 10/14/21 12:07 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| pH | 7.3 | | 0.01 | 0.01 | S.U. | | | 10/15/21 18:30 | 1 |
| Corrosivity | No | | 0.01 | 0.01 | NONE | | | 10/15/21 18:30 | 1 |

General Chemistry - ASTM Leach

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | ND | ! B | 5.3 | 1.5 | mg/L | | | 10/19/21 20:36 | 1 |
| Total Solids | 110 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Residue, Total | 110 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Chemical Oxygen Demand | 37 | J ! | 75 | 25 | mg/L | | | 10/19/21 12:48 | 1 |
| Ammonia as N | ND | ! | 0.10 | 0.050 | mg/L | | | 11/02/21 11:18 | 1 |

Client Sample ID: Hartranft-10TH-RB44062-RT-1-2021-10-12

Lab Sample ID: 410-58999-7

Date Collected: 10/12/21 10:30

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 81.8

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 360 | 36 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| Toluene | ND | | 360 | 43 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| Ethylbenzene | 57 | J | 360 | 28 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| Xylenes, Total | 430 | J | 710 | 100 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| 1,2,4-Trimethylbenzene | 2100 | | 360 | 36 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| Naphthalene | 570 | | 360 | 140 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| Isopropylbenzene | 770 | | 360 | 28 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| 1,3,5-Trimethylbenzene | 770 | | 360 | 36 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| 1,2-Dibromoethane | ND | | 360 | 28 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| Methyl tertiary butyl ether | ND | | 360 | 36 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| 1,2-Dichloroethane | ND | | 360 | 43 | ug/Kg | ✱ | 10/14/21 11:18 | 10/18/21 16:31 | 50 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 54 - 135 | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| 4-Bromofluorobenzene (Surr) | 108 | | 50 - 131 | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| Dibromofluoromethane (Surr) | 92 | | 50 - 141 | 10/14/21 11:18 | 10/18/21 16:31 | 50 |
| Toluene-d8 (Surr) | 107 | | 52 - 141 | 10/14/21 11:18 | 10/18/21 16:31 | 50 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (1C) | ND | | 21 | 6.4 | ug/Kg | ✱ | 10/16/21 09:07 | 10/18/21 11:24 | 1 |
| PCB-1221 (1C) | ND | | 21 | 6.4 | ug/Kg | ✱ | 10/16/21 09:07 | 10/18/21 11:24 | 1 |
| PCB-1232 (1C) | ND | | 21 | 6.4 | ug/Kg | ✱ | 10/16/21 09:07 | 10/18/21 11:24 | 1 |
| PCB-1242 (1C) | ND | | 21 | 6.4 | ug/Kg | ✱ | 10/16/21 09:07 | 10/18/21 11:24 | 1 |
| PCB-1248 (1C) | ND | | 21 | 6.4 | ug/Kg | ✱ | 10/16/21 09:07 | 10/18/21 11:24 | 1 |
| PCB-1254 (2C) | 11 | J | 21 | 7.8 | ug/Kg | ✱ | 10/16/21 09:07 | 10/18/21 11:24 | 1 |
| PCB-1260 (1C) | 13 | J | 21 | 7.8 | ug/Kg | ✱ | 10/16/21 09:07 | 10/18/21 11:24 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-1-2021-10-12

Lab Sample ID: 410-58999-7

Date Collected: 10/12/21 10:30

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 81.8

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 95 | ^c | 45 - 143 | 10/16/21 09:07 | 10/18/21 11:24 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 84 | | 45 - 143 | 10/16/21 09:07 | 10/18/21 11:24 | 1 |
| Tetrachloro-m-xylene (1C) | 63 | | 53 - 140 | 10/16/21 09:07 | 10/18/21 11:24 | 1 |
| Tetrachloro-m-xylene (2C) | 61 | | 53 - 140 | 10/16/21 09:07 | 10/18/21 11:24 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 28 | | 1.6 | 0.64 | mg/Kg | ☆ | 11/09/21 13:56 | 11/10/21 11:03 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| HEM (Oil & Grease) | 5000 | | 710 | 240 | mg/Kg | ☆ | 10/18/21 23:57 | 10/20/21 10:30 | 1 |

Client Sample ID: Hartranft-10TH-RB44062-RT-2-2021-10-12

Lab Sample ID: 410-58999-8

Date Collected: 10/12/21 10:36

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Benzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:12 | 20 |
| Carbon tetrachloride | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:12 | 20 |
| Chlorobenzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:12 | 20 |
| Chloroform | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:12 | 20 |
| 1,2-Dichloroethane | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:12 | 20 |
| 1,1-Dichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:12 | 20 |
| 2-Butanone | ND | | 0.20 | 0.010 | mg/L | | | 10/20/21 06:12 | 20 |
| Tetrachloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:12 | 20 |
| Trichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:12 | 20 |
| Vinyl chloride | ND | | 0.020 | 0.0040 | mg/L | | | 10/20/21 06:12 | 20 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 80 - 120 | | 10/20/21 06:12 | 20 |
| 4-Bromofluorobenzene (Surr) | 93 | | 80 - 120 | | 10/20/21 06:12 | 20 |
| Dibromofluoromethane (Surr) | 103 | | 80 - 120 | | 10/20/21 06:12 | 20 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 | | 10/20/21 06:12 | 20 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| 2-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| Hexachlorobenzene | ND | | 0.0025 | 0.00055 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| Hexachlorobutadiene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| Hexachloroethane | ND | | 0.025 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| Nitrobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| Pentachlorophenol | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| Pyridine | ND | | 0.025 | 0.010 | mg/L | | 10/19/21 17:40 | 10/20/21 18:15 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-2-2021-10-12

Lab Sample ID: 410-58999-8

Date Collected: 10/12/21 10:36

Matrix: Solid

Date Received: 10/13/21 18:10

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 82 | | 10 - 150 | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| 2-Fluorobiphenyl (Surr) | 70 | | 35 - 100 | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| 2-Fluorophenol (Surr) | 37 | | 10 - 78 | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| Nitrobenzene-d5 (Surr) | 74 | | 22 - 117 | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| p-Terphenyl-d14 (Surr) | 82 | | 31 - 119 | 10/19/21 17:40 | 10/20/21 18:15 | 1 |
| Phenol-d5 (Surr) | 30 | | 10 - 67 | 10/19/21 17:40 | 10/20/21 18:15 | 1 |

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Endrin (1C) | ND | | 0.0010 | 0.00040 | mg/L | | 10/19/21 17:27 | 10/20/21 10:49 | 10 |
| gamma-BHC (Lindane) (1C) | ND | *1 | 0.00050 | 0.00010 | mg/L | | 10/19/21 17:27 | 10/20/21 10:49 | 10 |
| Heptachlor (1C) | ND | | 0.00050 | 0.00020 | mg/L | | 10/19/21 17:27 | 10/20/21 10:49 | 10 |
| Heptachlor epoxide (1C) | ND | | 0.00050 | 0.00012 | mg/L | | 10/19/21 17:27 | 10/20/21 10:49 | 10 |
| Methoxychlor (1C) | ND | ^c | 0.0050 | 0.0015 | mg/L | | 10/19/21 17:27 | 10/20/21 10:49 | 10 |
| Toxaphene (1C) | ND | | 0.15 | 0.050 | mg/L | | 10/19/21 17:27 | 10/20/21 10:49 | 10 |
| Chlordane (n.o.s.) (1C) | ND | | 0.025 | 0.0080 | mg/L | | 10/19/21 17:27 | 10/20/21 10:49 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 99 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 10:49 | 10 |
| DCB Decachlorobiphenyl (Surr) (2C) | 103 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 10:49 | 10 |
| Tetrachloro-m-xylene (Surr) (1C) | 60 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 10:49 | 10 |
| Tetrachloro-m-xylene (Surr) (2C) | 56 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 10:49 | 10 |

Method: 8151A - Herbicides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Silvex (2,4,5-TP) (1C) | ND | | 0.0050 | 0.0010 | mg/L | | 10/20/21 00:20 | 10/22/21 03:33 | 1 |
| 2,4-D (1C) | ND | | 0.050 | 0.016 | mg/L | | 10/20/21 00:20 | 10/22/21 03:33 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 96 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 03:33 | 1 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 80 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 03:33 | 1 |

Method: 6010C - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Arsenic | ND | ^3+ | 0.30 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:33 | 1 |
| Barium | 0.52 | B | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:33 | 1 |
| Cadmium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:33 | 1 |
| Chromium | ND | | 0.15 | 0.016 | mg/L | | 10/18/21 04:53 | 10/19/21 15:33 | 1 |
| Lead | ND | B | 0.15 | 0.071 | mg/L | | 10/18/21 04:53 | 10/19/21 15:33 | 1 |
| Selenium | ND | *+ | 0.50 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:33 | 1 |
| Silver | ND | | 0.10 | 0.050 | mg/L | | 10/18/21 04:53 | 10/19/21 15:33 | 1 |
| Copper | ND | | 0.20 | 0.12 | mg/L | | 10/18/21 04:53 | 10/19/21 15:33 | 1 |
| Zinc | 3.5 | | 0.20 | 0.037 | mg/L | | 10/18/21 04:53 | 10/19/21 15:33 | 1 |
| Nickel | 0.044 | J B | 0.10 | 0.021 | mg/L | | 10/18/21 04:53 | 10/19/21 15:33 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|---------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | 0.00016 | J | 0.00020 | 0.000079 | mg/L | | 10/18/21 05:04 | 10/18/21 18:54 | 1 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-2-2021-10-12

Lab Sample ID: 410-58999-8

Date Collected: 10/12/21 10:36

Matrix: Solid

Date Received: 10/13/21 18:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|------|------|---------|---|----------------|----------------|---------|
| Total Solids | 81 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Total Volatile Solids | 8.8 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Percent Solids | 81 | ! | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Cyanide, Reactive | ND | *- | 59 | 20 | mg/Kg | | 10/15/21 07:55 | 10/15/21 14:46 | 1 |
| Sulfide, Reactive | ND | ! | 160 | 53 | mg/Kg | | 10/15/21 07:55 | 10/15/21 12:20 | 1 |
| Presence of Free Liquid | No | | | | No Unit | | | 10/18/21 19:55 | 1 |
| Percent Moisture | 17.3 | ! | 1.0 | 1.0 | % | | | 10/14/21 12:07 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| pH | 6.9 | | 0.01 | 0.01 | S.U. | | | 10/15/21 18:30 | 1 |
| Corrosivity | No | | 0.01 | 0.01 | NONE | | | 10/15/21 18:30 | 1 |

General Chemistry - ASTM Leach

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | 2.7 | J ! B | 5.3 | 1.5 | mg/L | | | 10/19/21 20:36 | 1 |
| Total Solids | 92 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Residue, Total | 92 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Chemical Oxygen Demand | 68 | J ! | 75 | 25 | mg/L | | | 10/19/21 12:52 | 1 |
| Ammonia as N | ND | ! | 0.10 | 0.050 | mg/L | | | 11/02/21 11:20 | 1 |

Client Sample ID: Hartranft-10TH-RB44062-RT-2-2021-10-12

Lab Sample ID: 410-58999-8

Date Collected: 10/12/21 10:36

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 82.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 350 | 35 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| Toluene | 55 | J | 350 | 42 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| Ethylbenzene | 160 | J | 350 | 28 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| Xylenes, Total | 1300 | | 700 | 99 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| 1,2,4-Trimethylbenzene | 3300 | | 350 | 35 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| Naphthalene | 790 | | 350 | 140 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| Isopropylbenzene | 1400 | | 350 | 28 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| 1,3,5-Trimethylbenzene | 1200 | | 350 | 35 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| 1,2-Dibromoethane | ND | | 350 | 28 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| Methyl tertiary butyl ether | ND | | 350 | 35 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| 1,2-Dichloroethane | ND | | 350 | 42 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 54 - 135 | | | | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| 4-Bromofluorobenzene (Surr) | 127 | | 50 - 131 | | | | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| Dibromofluoromethane (Surr) | 95 | | 50 - 141 | | | | 10/14/21 11:18 | 10/18/21 16:52 | 50 |
| Toluene-d8 (Surr) | 111 | | 52 - 141 | | | | 10/14/21 11:18 | 10/18/21 16:52 | 50 |

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-2-2021-10-12

Lab Sample ID: 410-58999-8

Date Collected: 10/12/21 10:36

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 82.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (1C) | ND | | 20 | 6.3 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:35 | 1 |
| PCB-1221 (1C) | ND | | 20 | 6.3 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:35 | 1 |
| PCB-1232 (1C) | ND | | 20 | 6.3 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:35 | 1 |
| PCB-1242 (1C) | ND | | 20 | 6.3 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:35 | 1 |
| PCB-1248 (1C) | ND | | 20 | 6.3 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:35 | 1 |
| PCB-1254 (2C) | 11 | J | 20 | 7.7 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:35 | 1 |
| PCB-1260 (2C) | 16 | J | 20 | 7.7 | ug/Kg | ☼ | 10/16/21 09:07 | 10/18/21 11:35 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 92 | ^c | 45 - 143 | 10/16/21 09:07 | 10/18/21 11:35 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 89 | | 45 - 143 | 10/16/21 09:07 | 10/18/21 11:35 | 1 |
| Tetrachloro-m-xylene (1C) | 65 | | 53 - 140 | 10/16/21 09:07 | 10/18/21 11:35 | 1 |
| Tetrachloro-m-xylene (2C) | 63 | | 53 - 140 | 10/16/21 09:07 | 10/18/21 11:35 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 25 | | 1.6 | 0.66 | mg/Kg | ☼ | 11/09/21 19:12 | 11/16/21 12:22 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| HEM (Oil & Grease) | 6100 | | 720 | 240 | mg/Kg | ☼ | 10/18/21 23:57 | 10/20/21 10:30 | 1 |

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12

Lab Sample ID: 410-58999-9

Date Collected: 10/12/21 10:38

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Benzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:35 | 20 |
| Carbon tetrachloride | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:35 | 20 |
| Chlorobenzene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:35 | 20 |
| Chloroform | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:35 | 20 |
| 1,2-Dichloroethane | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:35 | 20 |
| 1,1-Dichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:35 | 20 |
| 2-Butanone | ND | | 0.20 | 0.010 | mg/L | | | 10/20/21 06:35 | 20 |
| Tetrachloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:35 | 20 |
| Trichloroethene | ND | | 0.020 | 0.0060 | mg/L | | | 10/20/21 06:35 | 20 |
| Vinyl chloride | ND | | 0.020 | 0.0040 | mg/L | | | 10/20/21 06:35 | 20 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 80 - 120 | | 10/20/21 06:35 | 20 |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 | | 10/20/21 06:35 | 20 |
| Dibromofluoromethane (Surr) | 104 | | 80 - 120 | | 10/20/21 06:35 | 20 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 | | 10/20/21 06:35 | 20 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12

Lab Sample ID: 410-58999-9

Date Collected: 10/12/21 10:38

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| 2-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| Hexachlorobenzene | ND | | 0.0025 | 0.00055 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| Hexachlorobutadiene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| Hexachloroethane | ND | | 0.025 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| Nitrobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| Pentachlorophenol | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| Pyridine | ND | | 0.025 | 0.010 | mg/L | | 10/19/21 17:40 | 10/20/21 18:44 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 77 | | 10 - 150 | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| 2-Fluorobiphenyl (Surr) | 70 | | 35 - 100 | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| 2-Fluorophenol (Surr) | 35 | | 10 - 78 | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| Nitrobenzene-d5 (Surr) | 78 | | 22 - 117 | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| p-Terphenyl-d14 (Surr) | 84 | | 31 - 119 | 10/19/21 17:40 | 10/20/21 18:44 | 1 |
| Phenol-d5 (Surr) | 29 | | 10 - 67 | 10/19/21 17:40 | 10/20/21 18:44 | 1 |

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Endrin (1C) | ND | | 0.0010 | 0.00040 | mg/L | | 10/19/21 17:27 | 10/20/21 11:00 | 10 |
| gamma-BHC (Lindane) (1C) | ND | *1 | 0.00050 | 0.00010 | mg/L | | 10/19/21 17:27 | 10/20/21 11:00 | 10 |
| Heptachlor (1C) | ND | | 0.00050 | 0.00020 | mg/L | | 10/19/21 17:27 | 10/20/21 11:00 | 10 |
| Heptachlor epoxide (1C) | ND | | 0.00050 | 0.00012 | mg/L | | 10/19/21 17:27 | 10/20/21 11:00 | 10 |
| Methoxychlor (1C) | ND | ^c | 0.0050 | 0.0015 | mg/L | | 10/19/21 17:27 | 10/20/21 11:00 | 10 |
| Toxaphene (1C) | ND | | 0.15 | 0.050 | mg/L | | 10/19/21 17:27 | 10/20/21 11:00 | 10 |
| Chlordane (n.o.s.) (1C) | ND | | 0.025 | 0.0080 | mg/L | | 10/19/21 17:27 | 10/20/21 11:00 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 86 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 11:00 | 10 |
| DCB Decachlorobiphenyl (Surr) (2C) | 93 | | 21 - 130 | 10/19/21 17:27 | 10/20/21 11:00 | 10 |
| Tetrachloro-m-xylene (Surr) (1C) | 82 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 11:00 | 10 |
| Tetrachloro-m-xylene (Surr) (2C) | 78 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 11:00 | 10 |

Method: 8151A - Herbicides (GC) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Silvex (2,4,5-TP) (1C) | ND | | 0.0050 | 0.0010 | mg/L | | 10/20/21 00:20 | 10/22/21 04:08 | 1 |
| 2,4-D (1C) | ND | | 0.050 | 0.016 | mg/L | | 10/20/21 00:20 | 10/22/21 04:08 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 96 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 04:08 | 1 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 80 | | 26 - 136 | 10/20/21 00:20 | 10/22/21 04:08 | 1 |

Method: 6010C - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Arsenic | ND | ^3+ | 0.30 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:52 | 1 |
| Barium | 0.44 | B | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:52 | 1 |
| Cadmium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 15:52 | 1 |
| Chromium | ND | | 0.15 | 0.016 | mg/L | | 10/18/21 04:53 | 10/19/21 15:52 | 1 |
| Lead | ND | B | 0.15 | 0.071 | mg/L | | 10/18/21 04:53 | 10/19/21 15:52 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12

Lab Sample ID: 410-58999-9

Date Collected: 10/12/21 10:38

Matrix: Solid

Date Received: 10/13/21 18:10

Method: 6010C - Metals (ICP) - TCLP (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|-------------|-----------|------|-------|------|---|----------------|----------------|---------|
| Selenium | ND | *+ | 0.50 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 15:52 | 1 |
| Silver | ND | | 0.10 | 0.050 | mg/L | | 10/18/21 04:53 | 10/19/21 15:52 | 1 |
| Copper | ND | | 0.20 | 0.12 | mg/L | | 10/18/21 04:53 | 10/19/21 15:52 | 1 |
| Zinc | 2.6 | | 0.20 | 0.037 | mg/L | | 10/18/21 04:53 | 10/19/21 15:52 | 1 |
| Nickel | 0.11 | B | 0.10 | 0.021 | mg/L | | 10/18/21 04:53 | 10/19/21 15:52 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.00020 | 0.000079 | mg/L | | 10/18/21 05:04 | 10/18/21 19:04 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|-------------|-----------|------|------|---------|---|----------------|----------------|---------|
| Total Solids | 81 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Total Volatile Solids | 6.3 | | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Percent Solids | 81 | ! | 0.10 | 0.10 | % | | | 10/14/21 12:23 | 1 |
| Ignitable to Air | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Flame | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Friction | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Ignitable to Water | No | | 1.0 | 1.0 | NONE | | | 10/18/21 19:56 | 1 |
| Cyanide, Reactive | ND | *- | 57 | 19 | mg/Kg | | 10/15/21 07:55 | 10/15/21 14:48 | 1 |
| Sulfide, Reactive | ND | ! | 150 | 51 | mg/Kg | | 10/15/21 07:55 | 10/15/21 12:20 | 1 |
| Presence of Free Liquid | No | | | | No Unit | | | 10/18/21 19:55 | 1 |
| Percent Moisture | 17.5 | ! | 1.0 | 1.0 | % | | | 10/14/21 12:07 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|------------|-----------|------|------|------|---|----------|----------------|---------|
| pH | 7.6 | | 0.01 | 0.01 | S.U. | | | 10/15/21 18:30 | 1 |
| Corrosivity | No | | 0.01 | 0.01 | NONE | | | 10/15/21 18:30 | 1 |

General Chemistry - ASTM Leach

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------------|--------------|------|-------|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | 1.9 | J ! B | 5.4 | 1.5 | mg/L | | | 10/19/21 20:36 | 1 |
| Total Solids | 73 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Residue, Total | 73 | ! | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Chemical Oxygen Demand | 35 | J ! | 75 | 25 | mg/L | | | 10/19/21 12:45 | 1 |
| Ammonia as N | 0.061 | J ! | 0.10 | 0.050 | mg/L | | | 11/02/21 12:49 | 1 |

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12

Lab Sample ID: 410-58999-9

Date Collected: 10/12/21 10:38

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 82.5

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 350 | 35 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| Toluene | ND | | 350 | 42 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| Ethylbenzene | 36 | J | 350 | 28 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| Xylenes, Total | 330 | J | 710 | 99 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| 1,2,4-Trimethylbenzene | 1600 | | 350 | 35 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| Naphthalene | 410 | | 350 | 140 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| Isopropylbenzene | 500 | | 350 | 28 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| 1,3,5-Trimethylbenzene | 610 | | 350 | 35 | ug/Kg | ☆ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12

Lab Sample ID: 410-58999-9

Date Collected: 10/12/21 10:38

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 82.5

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1,2-Dibromoethane | ND | | 350 | 28 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| Methyl tertiary butyl ether | ND | | 350 | 35 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| 1,2-Dichloroethane | ND | | 350 | 42 | ug/Kg | ⊛ | 10/14/21 11:18 | 10/18/21 17:13 | 50 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 54 - 135 | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| 4-Bromofluorobenzene (Surr) | 109 | | 50 - 131 | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| Dibromofluoromethane (Surr) | 98 | | 50 - 141 | 10/14/21 11:18 | 10/18/21 17:13 | 50 |
| Toluene-d8 (Surr) | 108 | | 52 - 141 | 10/14/21 11:18 | 10/18/21 17:13 | 50 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (1C) | ND | | 20 | 6.3 | ug/Kg | ⊛ | 10/16/21 09:07 | 10/18/21 11:45 | 1 |
| PCB-1221 (1C) | ND | | 20 | 6.3 | ug/Kg | ⊛ | 10/16/21 09:07 | 10/18/21 11:45 | 1 |
| PCB-1232 (1C) | ND | | 20 | 6.3 | ug/Kg | ⊛ | 10/16/21 09:07 | 10/18/21 11:45 | 1 |
| PCB-1242 (1C) | ND | | 20 | 6.3 | ug/Kg | ⊛ | 10/16/21 09:07 | 10/18/21 11:45 | 1 |
| PCB-1248 (1C) | ND | | 20 | 6.3 | ug/Kg | ⊛ | 10/16/21 09:07 | 10/18/21 11:45 | 1 |
| PCB-1254 (2C) | 12 | J | 20 | 7.7 | ug/Kg | ⊛ | 10/16/21 09:07 | 10/18/21 11:45 | 1 |
| PCB-1260 (2C) | 22 | | 20 | 7.7 | ug/Kg | ⊛ | 10/16/21 09:07 | 10/18/21 11:45 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 97 | ^c | 45 - 143 | 10/16/21 09:07 | 10/18/21 11:45 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 87 | | 45 - 143 | 10/16/21 09:07 | 10/18/21 11:45 | 1 |
| Tetrachloro-m-xylene (1C) | 63 | | 53 - 140 | 10/16/21 09:07 | 10/18/21 11:45 | 1 |
| Tetrachloro-m-xylene (2C) | 62 | | 53 - 140 | 10/16/21 09:07 | 10/18/21 11:45 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 33 | | 1.7 | 0.67 | mg/Kg | ⊛ | 11/09/21 13:56 | 11/10/21 11:07 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| HEM (Oil & Grease) | 3500 | | 720 | 240 | mg/Kg | ⊛ | 10/18/21 23:57 | 10/20/21 10:30 | 1 |

Surrogate Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

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

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|------------------|--|--|-----------------|------------------|-----------------|
| | | DCA (54-135) | BFB (50-131) | DBFM (50-141) | TOL (52-141) |
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2 | 103 | 105 | 94 | 105 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2 021-10-12 | 107 | 101 | 84 | 103 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2 021-10-12 | 105 | 99 | 89 | 102 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2 021-10-12 | 106 | 105 | 92 | 100 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2 021-10-12 | 103 | 98 | 80 | 99 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2 021-10-12 | 108 | 103 | 100 | 106 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1- 2021-10-12 | 104 | 108 | 92 | 107 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2- 2021-10-12 | 104 | 127 | 95 | 111 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3- 2021-10-12 | 105 | 109 | 98 | 108 |
| LCS 410-183894/4 | Lab Control Sample | 95 | 94 | 95 | 94 |
| LCS 410-183894/5 | Lab Control Sample Dup | 96 | 95 | 94 | 95 |
| MB 410-183894/7 | Method Blank | 97 | 92 | 93 | 94 |

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|------------------|--------------------|--|-----------------|------------------|-----------------|
| | | DCA (80-120) | BFB (80-120) | DBFM (80-120) | TOL (80-120) |
| LCS 410-184674/4 | Lab Control Sample | 102 | 96 | 103 | 104 |
| MB 410-184674/6 | Method Blank | 103 | 93 | 105 | 103 |

Surrogate Legend

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

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

Matrix: Solid

Prep Type: TCLP

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---------------|---|--|-----------------|------------------|-----------------|
| | | DCA (80-120) | BFB (80-120) | DBFM (80-120) | TOL (80-120) |
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2 | 104 | 95 | 102 | 104 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2 021-10-12 | 105 | 94 | 102 | 103 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2 021-10-12 | 104 | 95 | 103 | 102 |

Surrogate Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

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

Matrix: Solid

Prep Type: TCLP

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---------------|--|--|-----------------|------------------|-----------------|
| | | DCA (80-120) | BFB (80-120) | DBFM (80-120) | TOL (80-120) |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2 | 105 | 94 | 102 | 103 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2 | 105 | 94 | 104 | 103 |
| 410-58999-6 | 021-10-12 Hartranft-10TH-CONF-SOIL-6-2 | 104 | 94 | 101 | 103 |
| 410-58999-7 | 021-10-12 Hartranft-10TH-RB44062-RT-1- | 106 | 93 | 104 | 103 |
| 410-58999-8 | 2021-10-12 Hartranft-10TH-RB44062-RT-2- | 103 | 93 | 103 | 103 |
| 410-58999-9 | 2021-10-12 Hartranft-10TH-RB44062-RT-3- | 105 | 94 | 104 | 103 |

Surrogate Legend

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

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

Matrix: Solid

Prep Type: TCLP

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|----------------|------------------------------|--|-----|------|-----|
| | | DCA | BFB | DBFM | TOL |
| 410-58999-1 MS | Hartranft-10TH-CONF-SOIL-1-2 | | | | |

Surrogate Legend

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

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|---------------------|------------------------|--|-----------------|----------------|-----------------|--------------------|----------------|
| | | TBP (10-150) | FBP (35-100) | 2FP (10-78) | NBZ (22-117) | TPHd14 (31-119) | PHL (10-67) |
| LCS 410-184616/2-A | Lab Control Sample | 100 | 77 | 52 | 85 | 91 | 41 |
| LCSD 410-184616/3-A | Lab Control Sample Dup | 98 | 73 | 54 | 82 | 92 | 43 |
| MB 410-184616/14-A | Method Blank | 91 | 64 | 47 | 74 | 88 | 38 |

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Surrogate Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|---------------|---|--|-----------------|----------------|-----------------|--------------------|----------------|
| | | TBP (10-150) | FBP (35-100) | 2FP (10-78) | NBZ (22-117) | TPHd14 (31-119) | PHL (10-67) |
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2 | 66 | 71 | 22 | 76 | 76 | 19 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2 | 85 | 69 | 43 | 77 | 89 | 34 |
| 410-58999-3 | 021-10-12 Hartranft-10TH-CONF-SOIL-3-2 | 56 | 71 | 11 | 76 | 89 | 11 |
| 410-58999-4 | 021-10-12 Hartranft-10TH-CONF-SOIL-4-2 | 72 | 69 | 16 | 76 | 90 | 13 |
| 410-58999-5 | 021-10-12 Hartranft-10TH-CONF-SOIL-5-2 | 67 | 55 | 17 | 56 | 74 | 15 |
| 410-58999-6 | 021-10-12 Hartranft-10TH-CONF-SOIL-6-2 | 95 | 71 | 49 | 77 | 82 | 39 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | 90 | 69 | 41 | 77 | 83 | 34 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | 82 | 70 | 37 | 74 | 82 | 30 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | 77 | 70 | 35 | 78 | 84 | 29 |

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|--------------------------|------------------------|--|------------------|------------------|------------------|
| | | DCB1 (21-130) | DCB2 (21-130) | TCX1 (39-139) | TCX2 (39-139) |
| LCS 410-184649/2-A | Lab Control Sample | 68 | 77 | 58 | 60 |
| LCS 410-184649/2-A - RA | Lab Control Sample | 85 | 77 | 84 | 81 |
| LCSD 410-184649/3-A | Lab Control Sample Dup | 61 | 69 | 60 | 63 |
| LCSD 410-184649/3-A - RA | Lab Control Sample Dup | 78 | 72 | 86 | 84 |
| MB 410-184649/14-A | Method Blank | 26 | 28 | 44 | 44 |
| MB 410-184649/1-A | Method Blank | 32 | 36 | 52 | 54 |

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: TCLP

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---------------|---|--|------------------|------------------|------------------|
| | | DCB1 (21-130) | DCB2 (21-130) | TCX1 (39-139) | TCX2 (39-139) |
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2 | 88 | 91 | 75 | 68 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2 | 78 | 83 | 69 | 61 |
| 410-58999-3 | 021-10-12 Hartranft-10TH-CONF-SOIL-3-2 | 90 | 92 | 64 | 58 |
| | 021-10-12 | | | | |

Eurofins Lancaster Laboratories Env, LLC

Surrogate Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: TCLP

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---------------|--|--|------------------|------------------|------------------|
| | | DCB1 (21-130) | DCB2 (21-130) | TCX1 (39-139) | TCX2 (39-139) |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2 | 82 | 86 | 60 | 54 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2 | 80 | 90 | 92 | 82 |
| 410-58999-6 | 021-10-12 Hartranft-10TH-CONF-SOIL-6-2 | 63 | 69 | 83 | 77 |
| 410-58999-7 | 021-10-12 Hartranft-10TH-RB44062-RT-1- | 95 | 100 | 94 | 88 |
| 410-58999-8 | 2021-10-12 Hartranft-10TH-RB44062-RT-2- | 99 | 103 | 60 | 56 |
| 410-58999-9 | 2021-10-12 Hartranft-10TH-RB44062-RT-3- | 86 | 93 | 82 | 78 |
| 2021-10-12 | | | | | |

Surrogate Legend
DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|--------------------|--|--|------------------|------------------|------------------|
| | | DCB1 (45-143) | DCB2 (45-143) | TCX1 (53-140) | TCX2 (53-140) |
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2 | 99 ^c | 91 | 61 | 58 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2 | 79 ^c | 68 | 65 | 60 |
| 410-58999-3 | 021-10-12 Hartranft-10TH-CONF-SOIL-3-2 | 155 S1+ | 136 | 71 | 68 |
| 410-58999-4 | 021-10-12 Hartranft-10TH-CONF-SOIL-4-2 | 89 ^c | 78 | 62 | 63 |
| 410-58999-5 | 021-10-12 Hartranft-10TH-CONF-SOIL-5-2 | 121 ^c | 102 | 73 | 69 |
| 410-58999-6 | 021-10-12 Hartranft-10TH-CONF-SOIL-6-2 | 97 ^c | 86 | 58 | 57 |
| 410-58999-7 | 021-10-12 Hartranft-10TH-RB44062-RT-1- | 95 ^c | 84 | 63 | 61 |
| 410-58999-8 | 2021-10-12 Hartranft-10TH-RB44062-RT-2- | 92 ^c | 89 | 65 | 63 |
| 410-58999-9 | 2021-10-12 Hartranft-10TH-RB44062-RT-3- | 97 ^c | 87 | 63 | 62 |
| LCS 410-183168/2-A | Lab Control Sample | 115 | 98 | 99 | 90 |
| LCS 410-183581/2-A | Lab Control Sample | 124 | 97 | 107 | 89 |
| LCS 410-184122/2-A | Lab Control Sample | 124 | 92 | 108 | 89 |
| MB 410-183168/1-A | Method Blank | 111 | 91 | 97 | 87 |
| MB 410-183581/1-A | Method Blank | 122 | 94 | 106 | 89 |
| MB 410-184122/1-A | Method Blank | 121 | 89 | 107 | 89 |

Surrogate Legend
DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: NorthStar Contracting Group, Inc.
 Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | DCPAA1 (26-136) | DCPAA2 (26-136) |
|---------------------|------------------------|--------------------|--------------------|
| LCS 410-184800/2-A | Lab Control Sample | 97 | 84 |
| LCSD 410-184800/3-A | Lab Control Sample Dup | 89 | 76 |
| MB 410-184800/1-A | Method Blank | 95 | 82 |

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: TCLP

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | DCPAA1 (26-136) | DCPAA2 (26-136) |
|---------------|--|--------------------|--------------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2 | 96 | 80 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2 021-10-12 | 99 | 87 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2 021-10-12 | 98 | 86 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2 021-10-12 | 98 | 83 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2 021-10-12 | 99 | 95 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2 021-10-12 | 91 | 81 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1- 2021-10-12 | 98 | 82 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2- 2021-10-12 | 96 | 80 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3- 2021-10-12 | 96 | 80 |

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

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

Lab Sample ID: MB 410-183894/7
Matrix: Solid
Analysis Batch: 183894

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|-----|-----|-------|---|----------|----------------|---------|
| Benzene | ND | | 250 | 25 | ug/Kg | | | 10/18/21 11:34 | 50 |
| Toluene | ND | | 250 | 30 | ug/Kg | | | 10/18/21 11:34 | 50 |
| Ethylbenzene | ND | | 250 | 20 | ug/Kg | | | 10/18/21 11:34 | 50 |
| Xylenes, Total | ND | | 500 | 70 | ug/Kg | | | 10/18/21 11:34 | 50 |
| 1,2,4-Trimethylbenzene | ND | | 250 | 25 | ug/Kg | | | 10/18/21 11:34 | 50 |
| Naphthalene | ND | | 250 | 100 | ug/Kg | | | 10/18/21 11:34 | 50 |
| Isopropylbenzene | ND | | 250 | 20 | ug/Kg | | | 10/18/21 11:34 | 50 |
| 1,3,5-Trimethylbenzene | ND | | 250 | 25 | ug/Kg | | | 10/18/21 11:34 | 50 |
| 1,2-Dibromoethane | ND | | 250 | 20 | ug/Kg | | | 10/18/21 11:34 | 50 |
| Methyl tertiary butyl ether | ND | | 250 | 25 | ug/Kg | | | 10/18/21 11:34 | 50 |
| 1,2-Dichloroethane | ND | | 250 | 30 | ug/Kg | | | 10/18/21 11:34 | 50 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 54 - 135 | | 10/18/21 11:34 | 50 |
| 4-Bromofluorobenzene (Surr) | 92 | | 50 - 131 | | 10/18/21 11:34 | 50 |
| Dibromofluoromethane (Surr) | 93 | | 50 - 141 | | 10/18/21 11:34 | 50 |
| Toluene-d8 (Surr) | 94 | | 52 - 141 | | 10/18/21 11:34 | 50 |

Lab Sample ID: LCS 410-183894/4
Matrix: Solid
Analysis Batch: 183894

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 1000 | 987 | | ug/Kg | | 99 | 80 - 120 |
| Toluene | 1000 | 983 | | ug/Kg | | 98 | 80 - 120 |
| Ethylbenzene | 1000 | 970 | | ug/Kg | | 97 | 78 - 120 |
| Xylenes, Total | 3000 | 2950 | | ug/Kg | | 98 | 75 - 120 |
| 1,2,4-Trimethylbenzene | 1000 | 979 | | ug/Kg | | 98 | 73 - 120 |
| Naphthalene | 1000 | 872 | | ug/Kg | | 87 | 48 - 130 |
| Isopropylbenzene | 1000 | 1000 | | ug/Kg | | 100 | 77 - 120 |
| 1,3,5-Trimethylbenzene | 1000 | 978 | | ug/Kg | | 98 | 73 - 120 |
| 1,2-Dibromoethane | 1000 | 972 | | ug/Kg | | 97 | 76 - 120 |
| Methyl tertiary butyl ether | 1000 | 930 | | ug/Kg | | 93 | 72 - 120 |
| 1,2-Dichloroethane | 1000 | 944 | | ug/Kg | | 94 | 71 - 128 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 54 - 135 |
| 4-Bromofluorobenzene (Surr) | 94 | | 50 - 131 |
| Dibromofluoromethane (Surr) | 95 | | 50 - 141 |
| Toluene-d8 (Surr) | 94 | | 52 - 141 |

Lab Sample ID: LCSD 410-183894/5
Matrix: Solid
Analysis Batch: 183894

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene | 1000 | 978 | | ug/Kg | | 98 | 80 - 120 | 1 | 30 |
| Toluene | 1000 | 984 | | ug/Kg | | 98 | 80 - 120 | 0 | 30 |

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

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

Lab Sample ID: LCSD 410-183894/5
Matrix: Solid
Analysis Batch: 183894

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Ethylbenzene | 1000 | 967 | | ug/Kg | | 97 | 78 - 120 | 0 | 30 |
| Xylenes, Total | 3000 | 2940 | | ug/Kg | | 98 | 75 - 120 | 0 | 30 |
| 1,2,4-Trimethylbenzene | 1000 | 975 | | ug/Kg | | 97 | 73 - 120 | 0 | 30 |
| Naphthalene | 1000 | 879 | | ug/Kg | | 88 | 48 - 130 | 1 | 30 |
| Isopropylbenzene | 1000 | 990 | | ug/Kg | | 99 | 77 - 120 | 1 | 30 |
| 1,3,5-Trimethylbenzene | 1000 | 967 | | ug/Kg | | 97 | 73 - 120 | 1 | 30 |
| 1,2-Dibromoethane | 1000 | 967 | | ug/Kg | | 97 | 76 - 120 | 1 | 30 |
| Methyl tertiary butyl ether | 1000 | 930 | | ug/Kg | | 93 | 72 - 120 | 0 | 30 |
| 1,2-Dichloroethane | 1000 | 929 | | ug/Kg | | 93 | 71 - 128 | 2 | 30 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 54 - 135 |
| 4-Bromofluorobenzene (Surr) | 95 | | 50 - 131 |
| Dibromofluoromethane (Surr) | 94 | | 50 - 141 |
| Toluene-d8 (Surr) | 95 | | 52 - 141 |

Lab Sample ID: MB 410-184674/6
Matrix: Solid
Analysis Batch: 184674

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|--------------|--------|---------|------|---|----------|----------------|---------|
| Benzene | ND | | 0.0010 | 0.00030 | mg/L | | | 10/19/21 22:55 | 1 |
| Carbon tetrachloride | ND | | 0.0010 | 0.00030 | mg/L | | | 10/19/21 22:55 | 1 |
| Chlorobenzene | ND | | 0.0010 | 0.00030 | mg/L | | | 10/19/21 22:55 | 1 |
| Chloroform | ND | | 0.0010 | 0.00030 | mg/L | | | 10/19/21 22:55 | 1 |
| 1,1-Dichloroethene | ND | | 0.0010 | 0.00030 | mg/L | | | 10/19/21 22:55 | 1 |
| 2-Butanone | ND | | 0.010 | 0.00050 | mg/L | | | 10/19/21 22:55 | 1 |
| Tetrachloroethene | ND | | 0.0010 | 0.00030 | mg/L | | | 10/19/21 22:55 | 1 |
| Trichloroethene | ND | | 0.0010 | 0.00030 | mg/L | | | 10/19/21 22:55 | 1 |
| Vinyl chloride | ND | | 0.0010 | 0.00020 | mg/L | | | 10/19/21 22:55 | 1 |
| 1,2-Dichloroethane | ND | | 0.0010 | 0.00030 | mg/L | | | 10/19/21 22:55 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | MB Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|-----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 80 - 120 | | 10/19/21 22:55 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 80 - 120 | | 10/19/21 22:55 | 1 |
| Dibromofluoromethane (Surr) | 105 | | 80 - 120 | | 10/19/21 22:55 | 1 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 | | 10/19/21 22:55 | 1 |

Lab Sample ID: LCS 410-184674/4
Matrix: Solid
Analysis Batch: 184674

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------|-------------|------------|---------------|------|---|------|--------------|
| Benzene | 0.0200 | 0.0171 | | mg/L | | 85 | 80 - 120 |
| 1,1-Dichloroethene | 0.0200 | 0.0171 | | mg/L | | 85 | 80 - 131 |
| 2-Butanone | 0.250 | 0.205 | | mg/L | | 82 | 59 - 135 |
| Trichloroethene | 0.0200 | 0.0174 | | mg/L | | 87 | 80 - 120 |
| Vinyl chloride | 0.0200 | 0.0163 | | mg/L | | 81 | 56 - 120 |

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

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

Lab Sample ID: LCS 410-184674/4
Matrix: Solid
Analysis Batch: 184674

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|----------------------|----------------------|---------------|------|---|------|--------------|
| 1,2-Dichloroethane | 0.0200 | 0.0190 | | mg/L | | 95 | 73 - 124 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 80 - 120 | | | | |
| 4-Bromofluorobenzene (Surr) | 96 | | 80 - 120 | | | | |
| Dibromofluoromethane (Surr) | 103 | | 80 - 120 | | | | |
| Toluene-d8 (Surr) | 104 | | 80 - 120 | | | | |

Lab Sample ID: 410-58999-1 MS
Matrix: Solid
Analysis Batch: 184674

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12
Prep Type: TCLP

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|---------------------|---------------------|---------------|-----------|--------------|------|---|------|--------------|
| Benzene | ND | | 0.400 | 0.379 | | mg/L | | | |
| 1,1-Dichloroethene | ND | | 0.400 | 0.403 | | mg/L | | | |
| 2-Butanone | ND | | 5.00 | 3.97 | | mg/L | | | |
| Trichloroethene | ND | | 0.400 | 0.385 | | mg/L | | | |
| Vinyl chloride | ND | | 0.400 | 0.403 | | mg/L | | | |
| 1,2-Dichloroethane | ND | | 0.400 | 0.398 | | mg/L | | | |
| Surrogate | MS %Recovery | MS Qualifier | Limits | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | | | | | | | | | |
| Dibromofluoromethane (Surr) | | | | | | | | | |
| Toluene-d8 (Surr) | | | | | | | | | |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-184616/14-A
Matrix: Solid
Analysis Batch: 184885

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184616

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|---------------------|---------------------|---------------|---------|------|---|-----------------|-----------------|----------------|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| 2-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| Hexachlorobenzene | ND | | 0.0025 | 0.00055 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| Hexachlorobutadiene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| Hexachloroethane | ND | | 0.025 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| Nitrobenzene | ND | | 0.010 | 0.0025 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| Pentachlorophenol | ND | | 0.025 | 0.0050 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| Pyridine | ND | | 0.025 | 0.010 | mg/L | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 91 | | 10 - 150 | | | | 10/19/21 17:40 | 10/20/21 11:30 | 1 |

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-184616/14-A
Matrix: Solid
Analysis Batch: 184885

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184616

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 2-Fluorobiphenyl (Surr) | 64 | | 35 - 100 | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| 2-Fluorophenol (Surr) | 47 | | 10 - 78 | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| Nitrobenzene-d5 (Surr) | 74 | | 22 - 117 | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| p-Terphenyl-d14 (Surr) | 88 | | 31 - 119 | 10/19/21 17:40 | 10/20/21 11:30 | 1 |
| Phenol-d5 (Surr) | 38 | | 10 - 67 | 10/19/21 17:40 | 10/20/21 11:30 | 1 |

Lab Sample ID: LCS 410-184616/2-A
Matrix: Solid
Analysis Batch: 184885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184616

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------|-------------|------------|---------------|------|---|------|--------------|
| | | | | | | | |
| 2,4,5-Trichlorophenol | 0.250 | 0.234 | | mg/L | | 94 | 66 - 120 |
| 2,4,6-Trichlorophenol | 0.250 | 0.234 | | mg/L | | 94 | 63 - 120 |
| 2,4-Dinitrotoluene | 0.250 | 0.238 | | mg/L | | 95 | 71 - 120 |
| 2-Methylphenol | 0.250 | 0.212 | | mg/L | | 85 | 51 - 120 |
| 4-Methylphenol | 0.250 | 0.197 | | mg/L | | 79 | 44 - 120 |
| Hexachlorobenzene | 0.250 | 0.219 | | mg/L | | 88 | 65 - 120 |
| Hexachlorobutadiene | 0.250 | 0.165 | | mg/L | | 66 | 24 - 120 |
| Hexachloroethane | 0.250 | 0.160 | | mg/L | | 64 | 22 - 120 |
| Nitrobenzene | 0.250 | 0.217 | | mg/L | | 87 | 59 - 120 |
| Pentachlorophenol | 0.500 | 0.433 | | mg/L | | 87 | 48 - 123 |
| Pyridine | 0.500 | 0.242 | | mg/L | | 48 | 23 - 120 |

| Surrogate | LCS LCS | | Limits |
|-----------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 2,4,6-Tribromophenol (Surr) | 100 | | 10 - 150 |
| 2-Fluorobiphenyl (Surr) | 77 | | 35 - 100 |
| 2-Fluorophenol (Surr) | 52 | | 10 - 78 |
| Nitrobenzene-d5 (Surr) | 85 | | 22 - 117 |
| p-Terphenyl-d14 (Surr) | 91 | | 31 - 119 |
| Phenol-d5 (Surr) | 41 | | 10 - 67 |

Lab Sample ID: LCSD 410-184616/3-A
Matrix: Solid
Analysis Batch: 184885

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 184616

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| | | | | | | | | | |
| 2,4,5-Trichlorophenol | 0.250 | 0.236 | | mg/L | | 94 | 66 - 120 | 1 | 30 |
| 2,4,6-Trichlorophenol | 0.250 | 0.236 | | mg/L | | 94 | 63 - 120 | 1 | 30 |
| 2,4-Dinitrotoluene | 0.250 | 0.233 | | mg/L | | 93 | 71 - 120 | 2 | 30 |
| 2-Methylphenol | 0.250 | 0.214 | | mg/L | | 86 | 51 - 120 | 1 | 30 |
| 4-Methylphenol | 0.250 | 0.201 | | mg/L | | 81 | 44 - 120 | 2 | 30 |
| Hexachlorobenzene | 0.250 | 0.215 | | mg/L | | 86 | 65 - 120 | 2 | 30 |
| Hexachlorobutadiene | 0.250 | 0.158 | | mg/L | | 63 | 24 - 120 | 4 | 30 |
| Hexachloroethane | 0.250 | 0.149 | | mg/L | | 59 | 22 - 120 | 8 | 30 |
| Nitrobenzene | 0.250 | 0.213 | | mg/L | | 85 | 59 - 120 | 2 | 30 |
| Pentachlorophenol | 0.500 | 0.449 | | mg/L | | 90 | 48 - 123 | 4 | 30 |

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-184616/3-A
Matrix: Solid
Analysis Batch: 184885

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 184616

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|------------------|------------------|----------------|------|---|------|--------------|-----|-----------|
| Pyridine | 0.500 | 0.246 | | mg/L | | 49 | 23 - 120 | 1 | 30 |
| Surrogate | | | | | | | | | |
| | %Recovery | Qualifier | Limits | | | | | | |
| 2,4,6-Tribromophenol (Surr) | 98 | | 10 - 150 | | | | | | |
| 2-Fluorobiphenyl (Surr) | 73 | | 35 - 100 | | | | | | |
| 2-Fluorophenol (Surr) | 54 | | 10 - 78 | | | | | | |
| Nitrobenzene-d5 (Surr) | 82 | | 22 - 117 | | | | | | |
| p-Terphenyl-d14 (Surr) | 92 | | 31 - 119 | | | | | | |
| Phenol-d5 (Surr) | 43 | | 10 - 67 | | | | | | |

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-184649/14-A
Matrix: Solid
Analysis Batch: 184818

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184649

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|------------------|------------------|---------------|----------|------|---|-----------------|-----------------|----------------|
| Endrin (1C) | ND | | 0.00010 | 0.000040 | mg/L | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |
| gamma-BHC (Lindane) (1C) | ND | | 0.000050 | 0.000010 | mg/L | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |
| Heptachlor (1C) | ND | | 0.000050 | 0.000020 | mg/L | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |
| Heptachlor epoxide (1C) | ND | | 0.000050 | 0.000012 | mg/L | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |
| Methoxychlor (1C) | ND | | 0.000050 | 0.000015 | mg/L | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |
| Toxaphene (1C) | ND | | 0.015 | 0.0050 | mg/L | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |
| Chlordane (n.o.s.) (1C) | ND | | 0.0025 | 0.00080 | mg/L | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |
| Surrogate | | | | | | | | | |
| | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl (Surr) (1C) | 26 | | 21 - 130 | | | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 28 | | 21 - 130 | | | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |
| Tetrachloro-m-xylene (Surr) (1C) | 44 | | 39 - 139 | | | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |
| Tetrachloro-m-xylene (Surr) (2C) | 44 | | 39 - 139 | | | | 10/19/21 17:27 | 10/20/21 11:11 | 1 |

Lab Sample ID: MB 410-184649/1-A
Matrix: Solid
Analysis Batch: 184818

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184649

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|------------------|------------------|---------------|----------|------|---|-----------------|-----------------|----------------|
| Endrin (1C) | ND | | 0.00010 | 0.000040 | mg/L | | 10/19/21 17:27 | 10/20/21 08:00 | 1 |
| gamma-BHC (Lindane) (1C) | ND | | 0.000050 | 0.000010 | mg/L | | 10/19/21 17:27 | 10/20/21 08:00 | 1 |
| Heptachlor (1C) | ND | | 0.000050 | 0.000020 | mg/L | | 10/19/21 17:27 | 10/20/21 08:00 | 1 |
| Heptachlor epoxide (1C) | ND | | 0.000050 | 0.000012 | mg/L | | 10/19/21 17:27 | 10/20/21 08:00 | 1 |
| Methoxychlor (1C) | ND | | 0.000050 | 0.000015 | mg/L | | 10/19/21 17:27 | 10/20/21 08:00 | 1 |
| Toxaphene (1C) | ND | | 0.015 | 0.0050 | mg/L | | 10/19/21 17:27 | 10/20/21 08:00 | 1 |
| Chlordane (n.o.s.) (1C) | ND | | 0.0025 | 0.00080 | mg/L | | 10/19/21 17:27 | 10/20/21 08:00 | 1 |
| Surrogate | | | | | | | | | |
| | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl (Surr) (1C) | 32 | | 21 - 130 | | | | 10/19/21 17:27 | 10/20/21 08:00 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 36 | | 21 - 130 | | | | 10/19/21 17:27 | 10/20/21 08:00 | 1 |
| Tetrachloro-m-xylene (Surr) (1C) | 52 | | 39 - 139 | | | | 10/19/21 17:27 | 10/20/21 08:00 | 1 |

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 410-184649/1-A
Matrix: Solid
Analysis Batch: 184818

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184649

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Tetrachloro-m-xylene (Surr) (2C) | 54 | | 39 - 139 | 10/19/21 17:27 | 10/20/21 08:00 | 1 |

Lab Sample ID: LCS 410-184649/2-A
Matrix: Solid
Analysis Batch: 184818

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184649

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits | %Rec. |
|--------------------------|-------------|------------|---------------|------|---|------|----------|-------|
| | | | | | | | | |
| gamma-BHC (Lindane) (2C) | 0.000250 | 0.000226 | | mg/L | | 90 | 51 - 132 | |
| Heptachlor (1C) | 0.000250 | 0.000217 | | mg/L | | 87 | 24 - 133 | |
| Heptachlor epoxide (2C) | 0.000375 | 0.000366 | | mg/L | | 97 | 56 - 132 | |

| Surrogate | LCS LCS | | Limits |
|------------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| DCB Decachlorobiphenyl (Surr) (1C) | 68 | | 21 - 130 |
| DCB Decachlorobiphenyl (Surr) (2C) | 77 | | 21 - 130 |
| Tetrachloro-m-xylene (Surr) (1C) | 58 | | 39 - 139 |
| Tetrachloro-m-xylene (Surr) (2C) | 60 | | 39 - 139 |

Lab Sample ID: LCSD 410-184649/3-A
Matrix: Solid
Analysis Batch: 184818

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 184649

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|--------------------------|-------------|-------------|----------------|------|---|------|----------|-----|-------|
| | | | | | | | | | |
| gamma-BHC (Lindane) (2C) | 0.000250 | 0.000200 | | mg/L | | 80 | 51 - 132 | 12 | 30 |
| Heptachlor (1C) | 0.000250 | 0.000212 | | mg/L | | 85 | 24 - 133 | 3 | 30 |
| Heptachlor epoxide (1C) | 0.000375 | 0.000330 | | mg/L | | 88 | 56 - 132 | 10 | 30 |

| Surrogate | LCSD LCSD | | Limits |
|------------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| DCB Decachlorobiphenyl (Surr) (1C) | 61 | | 21 - 130 |
| DCB Decachlorobiphenyl (Surr) (2C) | 69 | | 21 - 130 |
| Tetrachloro-m-xylene (Surr) (1C) | 60 | | 39 - 139 |
| Tetrachloro-m-xylene (Surr) (2C) | 63 | | 39 - 139 |

Method: 8081B - Organochlorine Pesticides (GC) - RA

Lab Sample ID: LCS 410-184649/2-A
Matrix: Solid
Analysis Batch: 185014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184649

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits | %Rec. |
|---------|-------------|------------|---------------|------|---|------|--------|-------|
| | | | | | | | | |

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 8081B - Organochlorine Pesticides (GC) - RA (Continued)

Lab Sample ID: LCS 410-184649/2-A
Matrix: Solid
Analysis Batch: 185014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184649

| Surrogate | LCS LCS | | Limits |
|--|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| DCB Decachlorobiphenyl (Surr) (1C) - RA | 85 | | 21 - 130 |
| DCB Decachlorobiphenyl (Surr) (2C) - RA | 77 | | 21 - 130 |
| Tetrachloro-m-xylene (Surr) (1C) - RA | 84 | | 39 - 139 |
| Tetrachloro-m-xylene (Surr) (2C) - RA | 81 | | 39 - 139 |

Lab Sample ID: LCSD 410-184649/3-A
Matrix: Solid
Analysis Batch: 185014

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 184649

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. | | RPD | Limit |
|------------------------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| Methoxychlor (2C) - RA | 0.00100 | 0.00143 | | mg/L | | 142 | 58 - 165 | 0 | 30 | |

| Surrogate | LCSD LCSD | | Limits |
|--|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| DCB Decachlorobiphenyl (Surr) (1C) - RA | 78 | | 21 - 130 |
| DCB Decachlorobiphenyl (Surr) (2C) - RA | 72 | | 21 - 130 |
| Tetrachloro-m-xylene (Surr) (1C) - RA | 86 | | 39 - 139 |
| Tetrachloro-m-xylene (Surr) (2C) - RA | 84 | | 39 - 139 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 410-183168/1-A
Matrix: Solid
Analysis Batch: 183531

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 183168

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|-----------|--------------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (2C) | ND | | 17 | 5.3 | ug/Kg | | 10/15/21 09:45 | 10/15/21 17:22 | 1 |
| PCB-1221 (2C) | ND | | 17 | 5.3 | ug/Kg | | 10/15/21 09:45 | 10/15/21 17:22 | 1 |
| PCB-1232 (2C) | ND | | 17 | 5.3 | ug/Kg | | 10/15/21 09:45 | 10/15/21 17:22 | 1 |
| PCB-1242 (2C) | ND | | 17 | 5.3 | ug/Kg | | 10/15/21 09:45 | 10/15/21 17:22 | 1 |
| PCB-1248 (2C) | ND | | 17 | 5.3 | ug/Kg | | 10/15/21 09:45 | 10/15/21 17:22 | 1 |
| PCB-1254 (2C) | ND | | 17 | 6.4 | ug/Kg | | 10/15/21 09:45 | 10/15/21 17:22 | 1 |
| PCB-1260 (2C) | ND | | 17 | 6.4 | ug/Kg | | 10/15/21 09:45 | 10/15/21 17:22 | 1 |

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| DCB Decachlorobiphenyl (Surr) (1C) | 111 | | 45 - 143 | 10/15/21 09:45 | 10/15/21 17:22 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 91 | | 45 - 143 | 10/15/21 09:45 | 10/15/21 17:22 | 1 |
| Tetrachloro-m-xylene (1C) | 97 | | 53 - 140 | 10/15/21 09:45 | 10/15/21 17:22 | 1 |
| Tetrachloro-m-xylene (2C) | 87 | | 53 - 140 | 10/15/21 09:45 | 10/15/21 17:22 | 1 |

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 410-183168/2-A
Matrix: Solid
Analysis Batch: 183531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 183168

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------------|-------------|------------|---------------|-------|---|------|----------|
| PCB-1016 (2C) | 167 | 129 | | ug/Kg | | 77 | 68 - 121 |
| PCB-1260 (2C) | 168 | 157 | | ug/Kg | | 94 | 75 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl (Surr) (1C) | 115 | | 45 - 143 |
| DCB Decachlorobiphenyl (Surr) (2C) | 98 | | 45 - 143 |
| Tetrachloro-m-xylene (1C) | 99 | | 53 - 140 |
| Tetrachloro-m-xylene (2C) | 90 | | 53 - 140 |

Lab Sample ID: MB 410-183581/1-A
Matrix: Solid
Analysis Batch: 183928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 183581

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|-----------|--------------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (1C) | ND | | 17 | 5.3 | ug/Kg | | 10/16/21 09:07 | 10/18/21 10:22 | 1 |
| PCB-1221 (1C) | ND | | 17 | 5.3 | ug/Kg | | 10/16/21 09:07 | 10/18/21 10:22 | 1 |
| PCB-1232 (1C) | ND | | 17 | 5.3 | ug/Kg | | 10/16/21 09:07 | 10/18/21 10:22 | 1 |
| PCB-1242 (1C) | ND | | 17 | 5.3 | ug/Kg | | 10/16/21 09:07 | 10/18/21 10:22 | 1 |
| PCB-1248 (1C) | ND | | 17 | 5.3 | ug/Kg | | 10/16/21 09:07 | 10/18/21 10:22 | 1 |
| PCB-1254 (1C) | ND | | 17 | 6.4 | ug/Kg | | 10/16/21 09:07 | 10/18/21 10:22 | 1 |
| PCB-1260 (1C) | ND | | 17 | 6.4 | ug/Kg | | 10/16/21 09:07 | 10/18/21 10:22 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------------|--------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 122 | | 45 - 143 | 10/16/21 09:07 | 10/18/21 10:22 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 94 | | 45 - 143 | 10/16/21 09:07 | 10/18/21 10:22 | 1 |
| Tetrachloro-m-xylene (1C) | 106 | | 53 - 140 | 10/16/21 09:07 | 10/18/21 10:22 | 1 |
| Tetrachloro-m-xylene (2C) | 89 | | 53 - 140 | 10/16/21 09:07 | 10/18/21 10:22 | 1 |

Lab Sample ID: LCS 410-183581/2-A
Matrix: Solid
Analysis Batch: 183928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 183581

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------------|-------------|------------|---------------|-------|---|------|----------|
| PCB-1016 (1C) | 167 | 156 | | ug/Kg | | 93 | 68 - 121 |
| PCB-1260 (1C) | 168 | 196 | | ug/Kg | | 117 | 75 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl (Surr) (1C) | 124 | | 45 - 143 |
| DCB Decachlorobiphenyl (Surr) (2C) | 97 | | 45 - 143 |
| Tetrachloro-m-xylene (1C) | 107 | | 53 - 140 |
| Tetrachloro-m-xylene (2C) | 89 | | 53 - 140 |

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 410-184122/1-A
Matrix: Solid
Analysis Batch: 184470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184122

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|-----------|--------------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 (2C) | ND | | 17 | 5.3 | ug/Kg | | 10/18/21 18:09 | 10/19/21 07:39 | 1 |
| PCB-1221 (2C) | ND | | 17 | 5.3 | ug/Kg | | 10/18/21 18:09 | 10/19/21 07:39 | 1 |
| PCB-1232 (2C) | ND | | 17 | 5.3 | ug/Kg | | 10/18/21 18:09 | 10/19/21 07:39 | 1 |
| PCB-1242 (2C) | ND | | 17 | 5.3 | ug/Kg | | 10/18/21 18:09 | 10/19/21 07:39 | 1 |
| PCB-1248 (2C) | ND | | 17 | 5.3 | ug/Kg | | 10/18/21 18:09 | 10/19/21 07:39 | 1 |
| PCB-1254 (2C) | ND | | 17 | 6.4 | ug/Kg | | 10/18/21 18:09 | 10/19/21 07:39 | 1 |
| PCB-1260 (2C) | ND | | 17 | 6.4 | ug/Kg | | 10/18/21 18:09 | 10/19/21 07:39 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------------|--------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) (1C) | 121 | | 45 - 143 | 10/18/21 18:09 | 10/19/21 07:39 | 1 |
| DCB Decachlorobiphenyl (Surr) (2C) | 89 | | 45 - 143 | 10/18/21 18:09 | 10/19/21 07:39 | 1 |
| Tetrachloro-m-xylene (1C) | 107 | | 53 - 140 | 10/18/21 18:09 | 10/19/21 07:39 | 1 |
| Tetrachloro-m-xylene (2C) | 89 | | 53 - 140 | 10/18/21 18:09 | 10/19/21 07:39 | 1 |

Lab Sample ID: LCS 410-184122/2-A
Matrix: Solid
Analysis Batch: 184470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184122

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------------|-------------|------------|---------------|-------|---|------|----------|
| PCB-1016 (2C) | 167 | 122 | | ug/Kg | | 73 | 68 - 121 |
| PCB-1260 (2C) | 168 | 150 | | ug/Kg | | 89 | 75 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl (Surr) (1C) | 124 | | 45 - 143 |
| DCB Decachlorobiphenyl (Surr) (2C) | 92 | | 45 - 143 |
| Tetrachloro-m-xylene (1C) | 108 | | 53 - 140 |
| Tetrachloro-m-xylene (2C) | 89 | | 53 - 140 |

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-184800/1-A
Matrix: Solid
Analysis Batch: 185345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184800

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|--------|--------|------|---|----------------|----------------|---------|
| Silvex (2,4,5-TP) (1C) | ND | | 0.0050 | 0.0010 | mg/L | | 10/20/21 00:20 | 10/21/21 21:04 | 1 |
| 2,4-D (1C) | ND | | 0.050 | 0.016 | mg/L | | 10/20/21 00:20 | 10/21/21 21:04 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|--------------|--------------|----------|----------------|----------------|---------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 95 | | 26 - 136 | 10/20/21 00:20 | 10/21/21 21:04 | 1 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 82 | | 26 - 136 | 10/20/21 00:20 | 10/21/21 21:04 | 1 |

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 410-184800/2-A
Matrix: Solid
Analysis Batch: 185345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184800

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|------------------------|-------------|------------|---------------|------|---|------|----------|
| Silvex (2,4,5-TP) (2C) | 0.0250 | 0.0297 | | mg/L | | 119 | 58 - 148 |
| 2,4-D (1C) | 0.0250 | 0.0237 | J | mg/L | | 95 | 42 - 147 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---------------|---------------|----------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 97 | | 26 - 136 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 84 | | 26 - 136 |

Lab Sample ID: LCSD 410-184800/3-A
Matrix: Solid
Analysis Batch: 185345

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 184800

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|----------|-----|-----------|
| Silvex (2,4,5-TP) (2C) | 0.0250 | 0.0278 | | mg/L | | 111 | 58 - 148 | 7 | 30 |
| 2,4-D (1C) | 0.0250 | 0.0222 | J | mg/L | | 89 | 42 - 147 | 7 | 30 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|----------------|----------------|----------|
| 2,4-Dichlorophenylacetic acid (Surr) (1C) | 89 | | 26 - 136 |
| 2,4-Dichlorophenylacetic acid (Surr) (2C) | 76 | | 26 - 136 |

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 410-192546/1-A
Matrix: Solid
Analysis Batch: 193090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192546

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|-------|---|----------------|----------------|---------|
| Lead | ND | | 1.5 | 0.60 | mg/Kg | | 11/09/21 11:21 | 11/10/21 10:41 | 1 |

Lab Sample ID: LCS 410-192546/2-A
Matrix: Solid
Analysis Batch: 193090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192546

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------|-------------|------------|---------------|-------|---|------|----------|
| Lead | 5.00 | 5.33 | | mg/Kg | | 107 | 80 - 120 |

Lab Sample ID: LCSD 410-192546/3-A
Matrix: Solid
Analysis Batch: 193090

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192546

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------|---|------|----------|-----|-----------|
| Lead | 5.00 | 5.25 | | mg/Kg | | 105 | 80 - 120 | 2 | 20 |

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 410-192756/1-A
Matrix: Solid
Analysis Batch: 195357

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192756

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|-------|---|----------------|----------------|---------|
| Lead | ND | | 1.5 | 0.60 | mg/Kg | | 11/09/21 19:12 | 11/16/21 11:54 | 1 |

Lab Sample ID: LCS 410-192756/2-A
Matrix: Solid
Analysis Batch: 195357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192756

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|-------|---|------|--------------|
| Lead | 5.00 | 5.12 | | mg/Kg | | 102 | 80 - 120 |

Lab Sample ID: MB 410-183779/1-A
Matrix: Solid
Analysis Batch: 184654

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 183779

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Arsenic | ND | ^3+ | 0.30 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 14:50 | 1 |
| Barium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 14:50 | 1 |
| Cadmium | ND | | 0.050 | 0.010 | mg/L | | 10/18/21 04:53 | 10/19/21 14:50 | 1 |
| Chromium | ND | | 0.15 | 0.016 | mg/L | | 10/18/21 04:53 | 10/19/21 14:50 | 1 |
| Lead | ND | | 0.15 | 0.071 | mg/L | | 10/18/21 04:53 | 10/19/21 14:50 | 1 |
| Selenium | ND | | 0.50 | 0.16 | mg/L | | 10/18/21 04:53 | 10/19/21 14:50 | 1 |
| Silver | ND | | 0.10 | 0.050 | mg/L | | 10/18/21 04:53 | 10/19/21 14:50 | 1 |
| Copper | ND | | 0.20 | 0.12 | mg/L | | 10/18/21 04:53 | 10/19/21 14:50 | 1 |
| Zinc | ND | | 0.20 | 0.037 | mg/L | | 10/18/21 04:53 | 10/19/21 14:50 | 1 |
| Nickel | ND | | 0.10 | 0.021 | mg/L | | 10/18/21 04:53 | 10/19/21 14:50 | 1 |

Lab Sample ID: LCS 410-183779/2-A
Matrix: Solid
Analysis Batch: 184654

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 183779

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Arsenic | 5.00 | 5.53 | ^3+ | mg/L | | 111 | 80 - 120 |
| Barium | 5.00 | 5.04 | | mg/L | | 101 | 80 - 120 |
| Cadmium | 0.500 | 0.518 | | mg/L | | 104 | 80 - 120 |
| Chromium | 5.00 | 5.15 | | mg/L | | 103 | 80 - 120 |
| Lead | 0.500 | 0.530 | | mg/L | | 106 | 80 - 120 |
| Selenium | 1.00 | 1.25 | *+ | mg/L | | 125 | 80 - 120 |
| Silver | 0.499 | 0.534 | | mg/L | | 107 | 80 - 120 |
| Copper | 5.00 | 5.14 | | mg/L | | 103 | 80 - 120 |
| Zinc | 5.00 | 5.12 | | mg/L | | 102 | 80 - 120 |
| Nickel | 5.00 | 5.22 | | mg/L | | 104 | 80 - 120 |

Lab Sample ID: LCSD 410-183779/3-A
Matrix: Solid
Analysis Batch: 184654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 183779

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Arsenic | 5.00 | 5.36 | ^3+ | mg/L | | 107 | 80 - 120 | 3 | 20 |
| Barium | 5.00 | 4.98 | | mg/L | | 100 | 80 - 120 | 1 | 20 |
| Cadmium | 0.500 | 0.518 | | mg/L | | 104 | 80 - 120 | 0 | 20 |

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSD 410-183779/3-A
Matrix: Solid
Analysis Batch: 184654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 183779

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chromium | 5.00 | 5.09 | | mg/L | | 102 | 80 - 120 | 1 | 20 |
| Lead | 0.500 | 0.489 | | mg/L | | 98 | 80 - 120 | 8 | 20 |
| Selenium | 1.00 | 1.10 | | mg/L | | 110 | 80 - 120 | 12 | 20 |
| Silver | 0.499 | 0.529 | | mg/L | | 106 | 80 - 120 | 1 | 20 |
| Copper | 5.00 | 5.12 | | mg/L | | 102 | 80 - 120 | 1 | 20 |
| Zinc | 5.00 | 5.09 | | mg/L | | 102 | 80 - 120 | 1 | 20 |
| Nickel | 5.00 | 5.20 | | mg/L | | 104 | 80 - 120 | 0 | 20 |

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-183781/1-A
Matrix: Solid
Analysis Batch: 184228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 183781

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.00020 | 0.000079 | mg/L | | 10/18/21 05:04 | 10/18/21 18:29 | 1 |

Lab Sample ID: LCS 410-183781/2-A
Matrix: Solid
Analysis Batch: 184228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 183781

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Mercury | 0.00100 | 0.000957 | | mg/L | | 96 | 80 - 118 |

Lab Sample ID: LCSD 410-183781/3-A
Matrix: Solid
Analysis Batch: 184228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 183781

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Mercury | 0.00100 | 0.000976 | | mg/L | | 98 | 80 - 118 | 2 | 20 |

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 410-184745/1
Matrix: Solid
Analysis Batch: 184745

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | ND | | 5.0 | 1.4 | mg/L | | | 10/19/21 20:36 | 1 |

Lab Sample ID: LCS 410-184745/2
Matrix: Solid
Analysis Batch: 184745

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------|-------------|------------|---------------|------|---|------|--------------|
| HEM (Oil & Grease) | 40.0 | 34.4 | | mg/L | | 86 | 78 - 114 |

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 1664B - HEM and SGT-HEM (Continued)

Lab Sample ID: LCSD 410-184745/3
Matrix: Solid
Analysis Batch: 184745

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| HEM (Oil & Grease) | 40.0 | 35.0 | | mg/L | | 88 | 78 - 114 | 2 | 13 |

Lab Sample ID: LB 410-183273/1-B
Matrix: Solid
Analysis Batch: 184745

Client Sample ID: Method Blank
Prep Type: ASTM Leach

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| HEM (Oil & Grease) | 2.02 | J B | 5.3 | 1.5 | mg/L | | | 10/19/21 20:36 | 1 |

Method: 2540B-2011 - Solids, Total

Lab Sample ID: MB 410-183795/1
Matrix: Solid
Analysis Batch: 183795

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|-----------|--------------|----|-----|------|---|----------|----------------|---------|
| Total Solids | ND | | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |
| Residue, Total | ND | | 42 | 14 | mg/L | | | 10/18/21 06:25 | 1 |

Lab Sample ID: LCS 410-183795/2
Matrix: Solid
Analysis Batch: 183795

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------|-------------|------------|---------------|------|---|------|--------------|
| Total Solids | 200 | 199 | | mg/L | | 99 | 91 - 112 |
| Residue, Total | 200 | 199 | | mg/L | | 99 | 91 - 112 |

Lab Sample ID: LCSD 410-183795/3
Matrix: Solid
Analysis Batch: 183795

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Total Solids | 200 | 199 | | mg/L | | 99 | 91 - 112 | 0 | 3 |
| Residue, Total | 200 | 199 | | mg/L | | 99 | 91 - 112 | 0 | 3 |

Method: 2540G-2011 - Total, Fixed, and Volatile Solids

Lab Sample ID: LCS 410-182808/1
Matrix: Solid
Analysis Batch: 182808

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|------|---|------|--------------|
| Total Solids | 10.5 | 10.6 | | % | | 101 | 94 - 108 |

Lab Sample ID: 410-58999-2 DU
Matrix: Solid
Analysis Batch: 182808

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|--------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Solids | 89 | | 87.2 | | % | | 2 | 5 |

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 2540G-2011 - Total, Fixed, and Volatile Solids (Continued)

Lab Sample ID: 410-58999-2 DU
Matrix: Solid
Analysis Batch: 182808

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU | DU | Unit | D | RPD | RPD |
|-----------------------|---------------|------------------|--------|-----------|------|---|-----|-------|
| | | | Result | Qualifier | | | | Limit |
| Total Volatile Solids | 2.2 | | 2.76 | F3 | % | | 24 | 5 |
| Percent Solids | 89 | ! | 87.2 | | % | | 2 | 5 |

Lab Sample ID: 410-58999-3 DU
Matrix: Solid
Analysis Batch: 182808

Client Sample ID: Hartranft-10TH-CONF-SOIL-3-2021-10-12
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU | DU | Unit | D | RPD | RPD |
|-----------------------|---------------|------------------|--------|-----------|------|---|-----|-------|
| | | | Result | Qualifier | | | | Limit |
| Total Solids | 14 | | 14.3 | | % | | 1 | 5 |
| Total Volatile Solids | 97 | | 97.9 | | % | | 1 | 5 |
| Percent Solids | 14 | ! | 14.3 | | % | | 1 | 5 |

Method: 410.4 - COD

Lab Sample ID: MB 410-184548/4
Matrix: Solid
Analysis Batch: 184548

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

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Chemical Oxygen Demand | ND | | 75 | 25 | mg/L | | | 10/19/21 12:33 | 1 |

Lab Sample ID: LCS 410-184548/5
Matrix: Solid
Analysis Batch: 184548

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

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|--------|-----------|------|---|------|--------------|
| | | Result | Qualifier | | | | |
| Chemical Oxygen Demand | 500 | 515 | | mg/L | | 103 | 94 - 110 |

Lab Sample ID: 410-58999-9 MS
Matrix: Solid
Analysis Batch: 184548

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12
Prep Type: ASTM Leach

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS | MS | Unit | D | %Rec | %Rec. Limits |
|------------------------|---------------|------------------|-------------|--------|-----------|------|---|------|--------------|
| | | | | Result | Qualifier | | | | |
| Chemical Oxygen Demand | 35 | J! | 400 | 453 | | mg/L | | 104 | 94 - 110 |

Lab Sample ID: 410-58999-9 DU
Matrix: Solid
Analysis Batch: 184548

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12
Prep Type: ASTM Leach

| Analyte | Sample Result | Sample Qualifier | DU | DU | Unit | D | RPD | RPD |
|------------------------|---------------|------------------|--------|-----------|------|---|-----|-------|
| | | | Result | Qualifier | | | | Limit |
| Chemical Oxygen Demand | 35 | J! | 37.9 | J | mg/L | | 8 | 9 |

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 410-183171/1-A
Matrix: Solid
Analysis Batch: 183419

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 183171

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Cyanide, Reactive | ND | | 60 | 20 | mg/Kg | | 10/15/21 07:55 | 10/15/21 14:26 | 1 |

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 9012 - Cyanide, Reactive (Continued)

Lab Sample ID: LCS 410-183171/2-A
Matrix: Solid
Analysis Batch: 183419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 183171
%Rec.

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|-------------------|-------------|------------|---------------|-------|---|------|----------|
| Cyanide, Reactive | 1000 | ND | *- | mg/Kg | | -0.5 | 0 - 5.14 |

Lab Sample ID: 410-58999-2 MS
Matrix: Solid
Analysis Batch: 183419

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12
Prep Type: Total/NA
Prep Batch: 183171
%Rec.

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | Limits |
|-------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------|
| Cyanide, Reactive | ND | *- | 992 | ND | | mg/Kg | | 0 | 0 - 44 |

Lab Sample ID: 410-58999-2 MSD
Matrix: Solid
Analysis Batch: 183419

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12
Prep Type: Total/NA
Prep Batch: 183171
%Rec.

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|-------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------|-----|-------|
| Cyanide, Reactive | ND | *- | 986 | ND | | mg/Kg | | 0 | 0 - 44 | NC | 11 |

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 410-183171/1-A
Matrix: Solid
Analysis Batch: 183334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 183171

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Sulfide, Reactive | ND | | 160 | 54 | mg/Kg | | 10/15/21 07:55 | 10/15/21 12:20 | 1 |

Lab Sample ID: LCS 410-183171/24-A
Matrix: Solid
Analysis Batch: 183334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 183171
%Rec.

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|-------------------|-------------|------------|---------------|-------|---|------|----------|
| Sulfide, Reactive | 539 | 379 | | mg/Kg | | 70 | 56 - 104 |

Lab Sample ID: 410-58999-2 MS
Matrix: Solid
Analysis Batch: 183334

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12
Prep Type: Total/NA
Prep Batch: 183171
%Rec.

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | Limits |
|-------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|----------|
| Sulfide, Reactive | ND | ! FL | 535 | 269 | FL | mg/Kg | | 50 | 56 - 104 |

Lab Sample ID: 410-58999-2 MSD
Matrix: Solid
Analysis Batch: 183334

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12
Prep Type: Total/NA
Prep Batch: 183171
%Rec.

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|-------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|----------|-----|-------|
| Sulfide, Reactive | ND | ! FL | 532 | 228 | FL | mg/Kg | | 43 | 56 - 104 | 16 | 52 |

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 9045D - pH

Lab Sample ID: LCS 410-183472/1-A
Matrix: Solid
Analysis Batch: 183490

Client Sample ID: Lab Control Sample
Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| pH | 7.00 | 7.0 | | S.U. | | 100 | 95 - 105 |

Lab Sample ID: 410-58999-1 DU
Matrix: Solid
Analysis Batch: 183490

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12
Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|-------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| pH | 7.5 | | 7.4 | | S.U. | | 0.9 | 3 |
| Corrosivity | No | | No | | NONE | | NaN | 3 |

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 410-184235/1-A
Matrix: Solid
Analysis Batch: 185016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184235

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| HEM (Oil & Grease) | ND | | 600 | 200 | mg/Kg | | 10/18/21 23:57 | 10/20/21 10:30 | 1 |

Lab Sample ID: LCS 410-184235/2-A
Matrix: Solid
Analysis Batch: 185016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184235

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------|-------------|------------|---------------|-------|---|------|--------------|
| HEM (Oil & Grease) | 4980 | 4860 | | mg/Kg | | 98 | 91 - 111 |

Lab Sample ID: 410-58999-1 MS
Matrix: Solid
Analysis Batch: 185016

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12
Prep Type: Total/NA
Prep Batch: 184235

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| HEM (Oil & Grease) | 3600 | FH | 6490 | 11400 | FH | mg/Kg | ☼ | 119 | 91 - 111 |

Lab Sample ID: 410-58999-1 MSD
Matrix: Solid
Analysis Batch: 185016

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12
Prep Type: Total/NA
Prep Batch: 184235

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| HEM (Oil & Grease) | 3600 | FH | 6290 | 11200 | FH | mg/Kg | ☼ | 121 | 91 - 111 | 1 | 26 |

Lab Sample ID: 410-58999-1 DU
Matrix: Solid
Analysis Batch: 185016

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12
Prep Type: Total/NA
Prep Batch: 184235

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|--------------------|---------------|------------------|-----------|--------------|-------|---|-----|-----------|
| HEM (Oil & Grease) | 3600 | FH | 3930 | | mg/Kg | ☼ | 9 | 20 |

QC Sample Results

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Method: 9095B - Paint Filter

Lab Sample ID: MB 410-184206/1
Matrix: Solid
Analysis Batch: 184206

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|--------------|----|-----|---------|---|----------|----------------|---------|
| Presence of Free Liquid | No | | | | No Unit | | | 10/18/21 19:55 | 1 |

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-189848/17
Matrix: Solid
Analysis Batch: 189848

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Ammonia as N | ND | | 0.10 | 0.050 | mg/L | | | 11/02/21 10:40 | 1 |

Lab Sample ID: LCS 410-189848/15
Matrix: Solid
Analysis Batch: 189848

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|------|---|------|--------------|
| Ammonia as N | 3.00 | 2.92 | | mg/L | | 97 | 90 - 110 |

Lab Sample ID: LCSD 410-189848/16
Matrix: Solid
Analysis Batch: 189848

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Ammonia as N | 3.00 | 2.97 | | mg/L | | 99 | 90 - 110 | 2 | 15 |

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

GC/MS VOA

Prep Batch: 182777

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 5030C | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 5030C | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 5030C | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 5030C | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 5030C | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 5030C | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 5030C | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 5030C | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 5030C | |

Leach Batch: 183239

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-1 MS | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 1311 | |

Analysis Batch: 183894

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 8260C | 182777 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 8260C | 182777 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 8260C | 182777 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 8260C | 182777 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 8260C | 182777 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 8260C | 182777 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 8260C | 182777 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 8260C | 182777 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 8260C | 182777 |
| MB 410-183894/7 | Method Blank | Total/NA | Solid | 8260C | |
| LCS 410-183894/4 | Lab Control Sample | Total/NA | Solid | 8260C | |
| LCS D 410-183894/5 | Lab Control Sample Dup | Total/NA | Solid | 8260C | |

Analysis Batch: 184674

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 8260C | 183239 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 8260C | 183239 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 8260C | 183239 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 8260C | 183239 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 8260C | 183239 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 8260C | 183239 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 8260C | 183239 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 8260C | 183239 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 8260C | 183239 |
| MB 410-184674/6 | Method Blank | Total/NA | Solid | 8260C | |
| LCS 410-184674/4 | Lab Control Sample | Total/NA | Solid | 8260C | |

Eurofins Lancaster Laboratories Env, LLC

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

GC/MS VOA (Continued)

Analysis Batch: 184674 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|---------------------------------------|-----------|--------|--------|------------|
| 410-58999-1 MS | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 8260C | 183239 |

GC/MS Semi VOA

Leach Batch: 183271

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 1311 | |

Prep Batch: 184616

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| MB 410-184616/14-A | Method Blank | Total/NA | Solid | 3510C | |
| LCS 410-184616/2-A | Lab Control Sample | Total/NA | Solid | 3510C | |
| LCSD 410-184616/3-A | Lab Control Sample Dup | Total/NA | Solid | 3510C | |

Analysis Batch: 184885

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 8270D | 184616 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 8270D | 184616 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 8270D | 184616 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 8270D | 184616 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 8270D | 184616 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 8270D | 184616 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 8270D | 184616 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 8270D | 184616 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 8270D | 184616 |
| MB 410-184616/14-A | Method Blank | Total/NA | Solid | 8270D | 184616 |
| LCS 410-184616/2-A | Lab Control Sample | Total/NA | Solid | 8270D | 184616 |
| LCSD 410-184616/3-A | Lab Control Sample Dup | Total/NA | Solid | 8270D | 184616 |

GC Semi VOA

Prep Batch: 183168

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---------------------------------------|-----------|--------|--------|------------|
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 3546 | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 3546 | |

Eurofins Lancaster Laboratories Env, LLC

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

GC Semi VOA (Continued)

Prep Batch: 183168 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------------------------|-----------|--------|--------|------------|
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 3546 | |
| MB 410-183168/1-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 410-183168/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |

Leach Batch: 183271

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 1311 | |

Analysis Batch: 183531

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------------------------|-----------|--------|--------|------------|
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 8082A | 183168 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 8082A | 183168 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 8082A | 183168 |
| MB 410-183168/1-A | Method Blank | Total/NA | Solid | 8082A | 183168 |
| LCS 410-183168/2-A | Lab Control Sample | Total/NA | Solid | 8082A | 183168 |

Prep Batch: 183581

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 3546 | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 3546 | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 3546 | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 3546 | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 3546 | |
| MB 410-183581/1-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 410-183581/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |

Analysis Batch: 183928

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 8082A | 183581 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 8082A | 183581 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 8082A | 183581 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 8082A | 183581 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 8082A | 183581 |
| MB 410-183581/1-A | Method Blank | Total/NA | Solid | 8082A | 183581 |
| LCS 410-183581/2-A | Lab Control Sample | Total/NA | Solid | 8082A | 183581 |

Prep Batch: 184122

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------------------------|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 3546 | |
| MB 410-184122/1-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 410-184122/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

GC Semi VOA

Analysis Batch: 184470

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------------------------|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 8082A | 184122 |
| MB 410-184122/1-A | Method Blank | Total/NA | Solid | 8082A | 184122 |
| LCS 410-184122/2-A | Lab Control Sample | Total/NA | Solid | 8082A | 184122 |

Prep Batch: 184649

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 3510C | 183271 |
| MB 410-184649/14-A | Method Blank | Total/NA | Solid | 3510C | |
| MB 410-184649/1-A | Method Blank | Total/NA | Solid | 3510C | |
| LCS 410-184649/2-A | Lab Control Sample | Total/NA | Solid | 3510C | |
| LCS 410-184649/2-A - RA | Lab Control Sample | Total/NA | Solid | 3510C | |
| LCSD 410-184649/3-A | Lab Control Sample Dup | Total/NA | Solid | 3510C | |
| LCSD 410-184649/3-A - RA | Lab Control Sample Dup | Total/NA | Solid | 3510C | |

Prep Batch: 184800

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 8151A | 183271 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 8151A | 183271 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 8151A | 183271 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 8151A | 183271 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 8151A | 183271 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 8151A | 183271 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 8151A | 183271 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 8151A | 183271 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 8151A | 183271 |
| MB 410-184800/1-A | Method Blank | Total/NA | Solid | 8151A | |
| LCS 410-184800/2-A | Lab Control Sample | Total/NA | Solid | 8151A | |
| LCSD 410-184800/3-A | Lab Control Sample Dup | Total/NA | Solid | 8151A | |

Analysis Batch: 184818

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 8081B | 184649 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 8081B | 184649 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 8081B | 184649 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 8081B | 184649 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 8081B | 184649 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 8081B | 184649 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 8081B | 184649 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 8081B | 184649 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 8081B | 184649 |
| MB 410-184649/14-A | Method Blank | Total/NA | Solid | 8081B | 184649 |
| MB 410-184649/1-A | Method Blank | Total/NA | Solid | 8081B | 184649 |
| LCS 410-184649/2-A | Lab Control Sample | Total/NA | Solid | 8081B | 184649 |

Eurofins Lancaster Laboratories Env, LLC

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

GC Semi VOA (Continued)

Analysis Batch: 184818 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCSD 410-184649/3-A | Lab Control Sample Dup | Total/NA | Solid | 8081B | 184649 |

Analysis Batch: 185014

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------------|------------------------|-----------|--------|--------|------------|
| LCS 410-184649/2-A - RA | Lab Control Sample | Total/NA | Solid | 8081B | 184649 |
| LCSD 410-184649/3-A - RA | Lab Control Sample Dup | Total/NA | Solid | 8081B | 184649 |

Analysis Batch: 185345

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 8151A | 184800 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 8151A | 184800 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 8151A | 184800 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 8151A | 184800 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 8151A | 184800 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 8151A | 184800 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 8151A | 184800 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 8151A | 184800 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 8151A | 184800 |
| MB 410-184800/1-A | Method Blank | Total/NA | Solid | 8151A | 184800 |
| LCS 410-184800/2-A | Lab Control Sample | Total/NA | Solid | 8151A | 184800 |
| LCSD 410-184800/3-A | Lab Control Sample Dup | Total/NA | Solid | 8151A | 184800 |

Metals

Leach Batch: 183271

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 1311 | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 1311 | |

Prep Batch: 183779

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-------------------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 3005A | 183271 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 3005A | 183271 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 3005A | 183271 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 3005A | 183271 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 3005A | 183271 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 3005A | 183271 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 3005A | 183271 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 3005A | 183271 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 3005A | 183271 |
| MB 410-183779/1-A | Method Blank | Total Recoverable | Solid | 3005A | |
| LCS 410-183779/2-A | Lab Control Sample | Total Recoverable | Solid | 3005A | |
| LCSD 410-183779/3-A | Lab Control Sample Dup | Total Recoverable | Solid | 3005A | |

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Metals

Prep Batch: 183781

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 7470A | 183271 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 7470A | 183271 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 7470A | 183271 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 7470A | 183271 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 7470A | 183271 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 7470A | 183271 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 7470A | 183271 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 7470A | 183271 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 7470A | 183271 |
| MB 410-183781/1-A | Method Blank | Total/NA | Solid | 7470A | |
| LCS 410-183781/2-A | Lab Control Sample | Total/NA | Solid | 7470A | |
| LCSD 410-183781/3-A | Lab Control Sample Dup | Total/NA | Solid | 7470A | |

Analysis Batch: 184228

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 7470A | 183781 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 7470A | 183781 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 7470A | 183781 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 7470A | 183781 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 7470A | 183781 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 7470A | 183781 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 7470A | 183781 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 7470A | 183781 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 7470A | 183781 |
| MB 410-183781/1-A | Method Blank | Total/NA | Solid | 7470A | 183781 |
| LCS 410-183781/2-A | Lab Control Sample | Total/NA | Solid | 7470A | 183781 |
| LCSD 410-183781/3-A | Lab Control Sample Dup | Total/NA | Solid | 7470A | 183781 |

Analysis Batch: 184654

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-------------------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | TCLP | Solid | 6010C | 183779 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | TCLP | Solid | 6010C | 183779 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | TCLP | Solid | 6010C | 183779 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | TCLP | Solid | 6010C | 183779 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | TCLP | Solid | 6010C | 183779 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | TCLP | Solid | 6010C | 183779 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | TCLP | Solid | 6010C | 183779 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | TCLP | Solid | 6010C | 183779 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | TCLP | Solid | 6010C | 183779 |
| MB 410-183779/1-A | Method Blank | Total Recoverable | Solid | 6010C | 183779 |
| LCS 410-183779/2-A | Lab Control Sample | Total Recoverable | Solid | 6010C | 183779 |
| LCSD 410-183779/3-A | Lab Control Sample Dup | Total Recoverable | Solid | 6010C | 183779 |

Prep Batch: 192546

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-----------|--------|--------|------------|
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 3050B | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 3050B | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 3050B | |
| MB 410-192546/1-A | Method Blank | Total/NA | Solid | 3050B | |
| LCS 410-192546/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| LCSD 410-192546/3-A | Lab Control Sample Dup | Total/NA | Solid | 3050B | |

Eurofins Lancaster Laboratories Env, LLC

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Metals

Prep Batch: 192756

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 3050B | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 3050B | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 3050B | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 3050B | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 3050B | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 3050B | |
| MB 410-192756/1-A | Method Blank | Total/NA | Solid | 3050B | |
| LCS 410-192756/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |

Analysis Batch: 193090

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-----------|--------|--------|------------|
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 6010C | 192546 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 6010C | 192546 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 6010C | 192546 |
| MB 410-192546/1-A | Method Blank | Total/NA | Solid | 6010C | 192546 |
| LCS 410-192546/2-A | Lab Control Sample | Total/NA | Solid | 6010C | 192546 |
| LCSD 410-192546/3-A | Lab Control Sample Dup | Total/NA | Solid | 6010C | 192546 |

Analysis Batch: 195357

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 6010C | 192756 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 6010C | 192756 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 6010C | 192756 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 6010C | 192756 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 6010C | 192756 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 6010C | 192756 |
| MB 410-192756/1-A | Method Blank | Total/NA | Solid | 6010C | 192756 |
| LCS 410-192756/2-A | Lab Control Sample | Total/NA | Solid | 6010C | 192756 |

General Chemistry

Analysis Batch: 182800

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|-----------|--------|----------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | Moisture | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | Moisture | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | Moisture | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | Moisture | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | Moisture | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | Moisture | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | Moisture | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | Moisture | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | Moisture | |

Analysis Batch: 182808

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---------------------------------------|-----------|--------|------------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 2540G-2011 | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 2540G-2011 | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 2540G-2011 | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 2540G-2011 | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 2540G-2011 | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 2540G-2011 | |

Eurofins Lancaster Laboratories Env, LLC

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

General Chemistry (Continued)

Analysis Batch: 182808 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--|-----------|--------|------------|------------|
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 2540G-2011 | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 2540G-2011 | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 2540G-2011 | |
| LCS 410-182808/1 | Lab Control Sample | Total/NA | Solid | 2540G-2011 | |
| 410-58999-2 DU | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 2540G-2011 | |
| 410-58999-3 DU | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 2540G-2011 | |

Prep Batch: 183171

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| MB 410-183171/1-A | Method Blank | Total/NA | Solid | 7.3.3 | |
| LCS 410-183171/24-A | Lab Control Sample | Total/NA | Solid | 7.3.3 | |
| LCS 410-183171/2-A | Lab Control Sample | Total/NA | Solid | 7.3.3 | |
| 410-58999-2 MS | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-2 MS | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-2 MSD | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 7.3.3 | |
| 410-58999-2 MSD | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 7.3.3 | |

Leach Batch: 183273

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--|------------|--------|----------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| LB 410-183273/1-B | Method Blank | ASTM Leach | Solid | D3987-85 | |
| 410-58999-9 MS | Hartranft-10TH-RB44062-RT-3-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-9 DU | Hartranft-10TH-RB44062-RT-3-2021-10-12 | ASTM Leach | Solid | D3987-85 | |

Analysis Batch: 183334

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9034 | 183171 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 9034 | 183171 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 9034 | 183171 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 9034 | 183171 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 9034 | 183171 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 9034 | 183171 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 9034 | 183171 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 9034 | 183171 |

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

General Chemistry (Continued)

Analysis Batch: 183334 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--|-----------|--------|--------|------------|
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 9034 | 183171 |
| MB 410-183171/1-A | Method Blank | Total/NA | Solid | 9034 | 183171 |
| LCS 410-183171/24-A | Lab Control Sample | Total/NA | Solid | 9034 | 183171 |
| 410-58999-2 MS | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 9034 | 183171 |
| 410-58999-2 MSD | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 9034 | 183171 |

Analysis Batch: 183419

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9012 | 183171 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 9012 | 183171 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 9012 | 183171 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 9012 | 183171 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 9012 | 183171 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 9012 | 183171 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 9012 | 183171 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 9012 | 183171 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 9012 | 183171 |
| MB 410-183171/1-A | Method Blank | Total/NA | Solid | 9012 | 183171 |
| LCS 410-183171/2-A | Lab Control Sample | Total/NA | Solid | 9012 | 183171 |
| 410-58999-2 MS | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 9012 | 183171 |
| 410-58999-2 MSD | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 9012 | 183171 |

Leach Batch: 183472

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|----------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Soluble | Solid | DI Leach | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Soluble | Solid | DI Leach | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Soluble | Solid | DI Leach | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Soluble | Solid | DI Leach | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Soluble | Solid | DI Leach | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Soluble | Solid | DI Leach | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Soluble | Solid | DI Leach | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Soluble | Solid | DI Leach | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Soluble | Solid | DI Leach | |
| LCS 410-183472/1-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| 410-58999-1 DU | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Soluble | Solid | DI Leach | |

Analysis Batch: 183490

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Soluble | Solid | 9045D | 183472 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Soluble | Solid | 9045D | 183472 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Soluble | Solid | 9045D | 183472 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Soluble | Solid | 9045D | 183472 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Soluble | Solid | 9045D | 183472 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Soluble | Solid | 9045D | 183472 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Soluble | Solid | 9045D | 183472 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Soluble | Solid | 9045D | 183472 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Soluble | Solid | 9045D | 183472 |
| LCS 410-183472/1-A | Lab Control Sample | Soluble | Solid | 9045D | 183472 |
| 410-58999-1 DU | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Soluble | Solid | 9045D | 183472 |

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

General Chemistry

Analysis Batch: 183795

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--|------------|--------|------------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | ASTM Leach | Solid | 2540B-2011 | 183273 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | ASTM Leach | Solid | 2540B-2011 | 183273 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | ASTM Leach | Solid | 2540B-2011 | 183273 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | ASTM Leach | Solid | 2540B-2011 | 183273 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | ASTM Leach | Solid | 2540B-2011 | 183273 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | ASTM Leach | Solid | 2540B-2011 | 183273 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | ASTM Leach | Solid | 2540B-2011 | 183273 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | ASTM Leach | Solid | 2540B-2011 | 183273 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | ASTM Leach | Solid | 2540B-2011 | 183273 |
| MB 410-183795/1 | Method Blank | Total/NA | Solid | 2540B-2011 | |
| LCS 410-183795/2 | Lab Control Sample | Total/NA | Solid | 2540B-2011 | |
| LCSD 410-183795/3 | Lab Control Sample Dup | Total/NA | Solid | 2540B-2011 | |

Analysis Batch: 184206

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9095B | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 9095B | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 9095B | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 9095B | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 9095B | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 9095B | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 9095B | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 9095B | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 9095B | |
| MB 410-184206/1 | Method Blank | Total/NA | Solid | 9095B | |

Analysis Batch: 184207

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 261.21 | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 261.21 | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 261.21 | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 261.21 | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 261.21 | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 261.21 | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 261.21 | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 261.21 | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 261.21 | |

Prep Batch: 184235

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9071B | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 9071B | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 9071B | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 9071B | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 9071B | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 9071B | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 9071B | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 9071B | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 9071B | |
| MB 410-184235/1-A | Method Blank | Total/NA | Solid | 9071B | |
| LCS 410-184235/2-A | Lab Control Sample | Total/NA | Solid | 9071B | |

Eurofins Lancaster Laboratories Env, LLC

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

General Chemistry (Continued)

Prep Batch: 184235 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|---------------------------------------|-----------|--------|--------|------------|
| 410-58999-1 MS | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9071B | |
| 410-58999-1 MSD | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9071B | |
| 410-58999-1 DU | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9071B | |

Analysis Batch: 184548

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--|------------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |
| MB 410-184548/4 | Method Blank | Total/NA | Solid | 410.4 | |
| LCS 410-184548/5 | Lab Control Sample | Total/NA | Solid | 410.4 | |
| 410-58999-9 MS | Hartranft-10TH-RB44062-RT-3-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |
| 410-58999-9 DU | Hartranft-10TH-RB44062-RT-3-2021-10-12 | ASTM Leach | Solid | 410.4 | 183273 |

Analysis Batch: 184745

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--|------------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | ASTM Leach | Solid | 1664B | 183273 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | ASTM Leach | Solid | 1664B | 183273 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | ASTM Leach | Solid | 1664B | 183273 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | ASTM Leach | Solid | 1664B | 183273 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | ASTM Leach | Solid | 1664B | 183273 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | ASTM Leach | Solid | 1664B | 183273 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | ASTM Leach | Solid | 1664B | 183273 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | ASTM Leach | Solid | 1664B | 183273 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | ASTM Leach | Solid | 1664B | 183273 |
| LB 410-183273/1-B | Method Blank | ASTM Leach | Solid | 1664B | 183273 |
| MB 410-184745/1 | Method Blank | Total/NA | Solid | 1664B | |
| LCS 410-184745/2 | Lab Control Sample | Total/NA | Solid | 1664B | |
| LCSD 410-184745/3 | Lab Control Sample Dup | Total/NA | Solid | 1664B | |

Analysis Batch: 185016

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9071B | 184235 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Total/NA | Solid | 9071B | 184235 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Total/NA | Solid | 9071B | 184235 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Total/NA | Solid | 9071B | 184235 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Total/NA | Solid | 9071B | 184235 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Total/NA | Solid | 9071B | 184235 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Total/NA | Solid | 9071B | 184235 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Total/NA | Solid | 9071B | 184235 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Total/NA | Solid | 9071B | 184235 |
| MB 410-184235/1-A | Method Blank | Total/NA | Solid | 9071B | 184235 |
| LCS 410-184235/2-A | Lab Control Sample | Total/NA | Solid | 9071B | 184235 |
| 410-58999-1 MS | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9071B | 184235 |
| 410-58999-1 MSD | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9071B | 184235 |

Euofins Lancaster Laboratories Env, LLC

QC Association Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

General Chemistry (Continued)

Analysis Batch: 185016 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|---------------------------------------|-----------|--------|--------|------------|
| 410-58999-1 DU | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Total/NA | Solid | 9071B | 184235 |

Leach Batch: 186751

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|------------|--------|----------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | ASTM Leach | Solid | D3987-85 | |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | ASTM Leach | Solid | D3987-85 | |

Analysis Batch: 189848

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|------------|--------|-----------|------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | ASTM Leach | Solid | EPA 350.1 | 186751 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | ASTM Leach | Solid | EPA 350.1 | 186751 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | ASTM Leach | Solid | EPA 350.1 | 186751 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | ASTM Leach | Solid | EPA 350.1 | 186751 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | ASTM Leach | Solid | EPA 350.1 | 186751 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | ASTM Leach | Solid | EPA 350.1 | 186751 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | ASTM Leach | Solid | EPA 350.1 | 186751 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | ASTM Leach | Solid | EPA 350.1 | 186751 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | ASTM Leach | Solid | EPA 350.1 | 186751 |
| MB 410-189848/17 | Method Blank | Total/NA | Solid | EPA 350.1 | |
| LCS 410-189848/15 | Lab Control Sample | Total/NA | Solid | EPA 350.1 | |
| LCSD 410-189848/16 | Lab Control Sample Dup | Total/NA | Solid | EPA 350.1 | |

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12

Lab Sample ID: 410-58999-1

Date Collected: 10/12/21 10:00

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| TCLP | Leach | 1311 | | | 183239 | 10/15/21 15:20 | CZ7N | ELLE |
| TCLP | Analysis | 8260C | | 20 | 184674 | 10/20/21 03:08 | Y6ZN | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184616 | 10/19/21 17:40 | QQ3P | ELLE |
| TCLP | Analysis | 8270D | | 1 | 184885 | 10/20/21 14:53 | UWHS | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184649 | 10/19/21 17:27 | QQ3P | ELLE |
| TCLP | Analysis | 8081B | | 10 | 184818 | 10/20/21 09:30 | WN7O | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 8151A | | | 184800 | 10/20/21 00:20 | USL7 | ELLE |
| TCLP | Analysis | 8151A | | 1 | 185345 | 10/21/21 23:25 | UAMZ | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3005A | | | 183779 | 10/18/21 04:53 | UAMX | ELLE |
| TCLP | Analysis | 6010C | | 1 | 184654 | 10/19/21 14:59 | WJM9 | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 7470A | | | 183781 | 10/18/21 05:04 | UAMX | ELLE |
| TCLP | Analysis | 7470A | | 1 | 184228 | 10/18/21 18:35 | UEFS | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 1664B | | 1 | 184745 | 10/19/21 20:36 | QT6L | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 2540B-2011 | | 1 | 183795 | 10/18/21 06:25 | M98K | ELLE |
| Total/NA | Analysis | 2540G-2011 | | 1 | 182808 | 10/14/21 12:23 | M98K | ELLE |
| Total/NA | Analysis | 261.21 | | 1 | 184207 | 10/18/21 19:56 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 410.4 | | 1 | 184548 | 10/19/21 12:47 | USAE | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9012 | | 1 | 183419 | 10/15/21 15:00 | JCG7 | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9034 | | 1 | 183334 | 10/15/21 12:20 | USE1 | ELLE |
| Soluble | Leach | DI Leach | | | 183472 | 10/15/21 16:25 | F8TI | ELLE |
| Soluble | Analysis | 9045D | | 1 | 183490 | 10/15/21 18:30 | F8TI | ELLE |
| Total/NA | Analysis | 9095B | | 1 | 184206 | 10/18/21 19:55 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 186751 | 10/25/21 15:55 | CZ7N | ELLE |
| ASTM Leach | Analysis | EPA 350.1 | | 1 | 189848 | 11/02/21 10:55 | JCG7 | ELLE |
| Total/NA | Analysis | Moisture | | 1 | 182800 | 10/14/21 12:07 | UWC1 | ELLE |

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12

Lab Sample ID: 410-58999-1

Date Collected: 10/12/21 10:00

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 77.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 5030C | | | 182777 | 10/14/21 11:18 | JJT8 | ELLE |
| Total/NA | Analysis | 8260C | | 50 | 183894 | 10/18/21 14:27 | USEJ | ELLE |
| Total/NA | Prep | 3546 | | | 184122 | 10/18/21 18:09 | QQ3P | ELLE |
| Total/NA | Analysis | 8082A | | 1 | 184470 | 10/19/21 08:52 | JC94 | ELLE |

Eurofins Lancaster Laboratories Env, LLC

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-1-2021-10-12

Lab Sample ID: 410-58999-1

Date Collected: 10/12/21 10:00

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 77.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 3050B | | | 192756 | 11/09/21 19:12 | UJLA | ELLE |
| Total/NA | Analysis | 6010C | | 1 | 195357 | 11/16/21 12:26 | WJM9 | ELLE |
| Total/NA | Prep | 9071B | | | 184235 | 10/18/21 23:57 | QT6L | ELLE |
| Total/NA | Analysis | 9071B | | 1 | 185016 | 10/20/21 10:30 | UYB0 | ELLE |

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12

Lab Sample ID: 410-58999-2

Date Collected: 10/12/21 10:05

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| TCLP | Leach | 1311 | | | 183239 | 10/15/21 15:20 | CZ7N | ELLE |
| TCLP | Analysis | 8260C | | 20 | 184674 | 10/20/21 03:54 | Y6ZN | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184616 | 10/19/21 17:40 | QQ3P | ELLE |
| TCLP | Analysis | 8270D | | 1 | 184885 | 10/20/21 15:21 | UWHS | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184649 | 10/19/21 17:27 | QQ3P | ELLE |
| TCLP | Analysis | 8081B | | 10 | 184818 | 10/20/21 09:41 | WN7O | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 8151A | | | 184800 | 10/20/21 00:20 | USL7 | ELLE |
| TCLP | Analysis | 8151A | | 1 | 185345 | 10/22/21 00:00 | UAMZ | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3005A | | | 183779 | 10/18/21 04:53 | UAMX | ELLE |
| TCLP | Analysis | 6010C | | 1 | 184654 | 10/19/21 15:08 | WJM9 | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 7470A | | | 183781 | 10/18/21 05:04 | UAMX | ELLE |
| TCLP | Analysis | 7470A | | 1 | 184228 | 10/18/21 18:37 | UEFS | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 1664B | | 1 | 184745 | 10/19/21 20:36 | QT6L | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 2540B-2011 | | 1 | 183795 | 10/18/21 06:25 | M98K | ELLE |
| Total/NA | Analysis | 2540G-2011 | | 1 | 182808 | 10/14/21 12:23 | M98K | ELLE |
| Total/NA | Analysis | 261.21 | | 1 | 184207 | 10/18/21 19:56 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 410.4 | | 1 | 184548 | 10/19/21 12:49 | USAE | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9012 | | 1 | 183419 | 10/15/21 14:32 | JCG7 | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9034 | | 1 | 183334 | 10/15/21 12:20 | USE1 | ELLE |
| Soluble | Leach | DI Leach | | | 183472 | 10/15/21 16:25 | F8TI | ELLE |
| Soluble | Analysis | 9045D | | 1 | 183490 | 10/15/21 18:30 | F8TI | ELLE |
| Total/NA | Analysis | 9095B | | 1 | 184206 | 10/18/21 19:55 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 186751 | 10/25/21 15:55 | CZ7N | ELLE |
| ASTM Leach | Analysis | EPA 350.1 | | 1 | 189848 | 11/02/21 11:01 | JCG7 | ELLE |
| Total/NA | Analysis | Moisture | | 1 | 182800 | 10/14/21 12:07 | UWC1 | ELLE |

Eurofins Lancaster Laboratories Env, LLC

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-2-2021-10-12

Lab Sample ID: 410-58999-2

Date Collected: 10/12/21 10:05

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 89.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 5030C | | | 182777 | 10/14/21 11:18 | JJT8 | ELLE |
| Total/NA | Analysis | 8260C | | 50 | 183894 | 10/18/21 14:48 | USEJ | ELLE |
| Total/NA | Prep | 3546 | | | 183168 | 10/15/21 09:45 | U9KU | ELLE |
| Total/NA | Analysis | 8082A | | 1 | 183531 | 10/15/21 19:17 | E9VJ | ELLE |
| Total/NA | Prep | 3050B | | | 192756 | 11/09/21 19:12 | UJLA | ELLE |
| Total/NA | Analysis | 6010C | | 1 | 195357 | 11/16/21 12:34 | WJM9 | ELLE |
| Total/NA | Prep | 9071B | | | 184235 | 10/18/21 23:57 | QT6L | ELLE |
| Total/NA | Analysis | 9071B | | 1 | 185016 | 10/20/21 10:30 | UYB0 | ELLE |

Client Sample ID: Hartranft-10TH-CONF-SOIL-3-2021-10-12

Lab Sample ID: 410-58999-3

Date Collected: 10/12/21 10:07

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| TCLP | Leach | 1311 | | | 183239 | 10/15/21 15:20 | CZ7N | ELLE |
| TCLP | Analysis | 8260C | | 20 | 184674 | 10/20/21 04:17 | Y6ZN | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184616 | 10/19/21 17:40 | QQ3P | ELLE |
| TCLP | Analysis | 8270D | | 1 | 184885 | 10/20/21 15:50 | UWHS | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184649 | 10/19/21 17:27 | QQ3P | ELLE |
| TCLP | Analysis | 8081B | | 10 | 184818 | 10/20/21 09:53 | WN7O | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 8151A | | | 184800 | 10/20/21 00:20 | USL7 | ELLE |
| TCLP | Analysis | 8151A | | 1 | 185345 | 10/22/21 00:36 | UAMZ | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3005A | | | 183779 | 10/18/21 04:53 | UAMX | ELLE |
| TCLP | Analysis | 6010C | | 1 | 184654 | 10/19/21 15:11 | WJM9 | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 7470A | | | 183781 | 10/18/21 05:04 | UAMX | ELLE |
| TCLP | Analysis | 7470A | | 1 | 184228 | 10/18/21 18:39 | UEFS | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 1664B | | 1 | 184745 | 10/19/21 20:36 | QT6L | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 2540B-2011 | | 1 | 183795 | 10/18/21 06:25 | M98K | ELLE |
| Total/NA | Analysis | 2540G-2011 | | 1 | 182808 | 10/14/21 12:23 | M98K | ELLE |
| Total/NA | Analysis | 261.21 | | 1 | 184207 | 10/18/21 19:56 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 410.4 | | 1 | 184548 | 10/19/21 12:51 | USAE | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9012 | | 1 | 183419 | 10/15/21 14:39 | JCG7 | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9034 | | 1 | 183334 | 10/15/21 12:20 | USE1 | ELLE |
| Soluble | Leach | DI Leach | | | 183472 | 10/15/21 16:25 | F8TI | ELLE |
| Soluble | Analysis | 9045D | | 1 | 183490 | 10/15/21 18:30 | F8TI | ELLE |

Eurofins Lancaster Laboratories Env, LLC

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-3-2021-10-12

Lab Sample ID: 410-58999-3

Date Collected: 10/12/21 10:07

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Analysis | 9095B | | 1 | 184206 | 10/18/21 19:55 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 186751 | 10/25/21 15:55 | CZ7N | ELLE |
| ASTM Leach | Analysis | EPA 350.1 | | 1 | 189848 | 11/02/21 11:03 | JCG7 | ELLE |
| Total/NA | Analysis | Moisture | | 1 | 182800 | 10/14/21 12:07 | UWC1 | ELLE |

Client Sample ID: Hartranft-10TH-CONF-SOIL-3-2021-10-12

Lab Sample ID: 410-58999-3

Date Collected: 10/12/21 10:07

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 88.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 5030C | | | 182777 | 10/14/21 11:18 | JJT8 | ELLE |
| Total/NA | Analysis | 8260C | | 50 | 183894 | 10/18/21 15:08 | USEJ | ELLE |
| Total/NA | Prep | 3546 | | | 183168 | 10/15/21 09:45 | U9KU | ELLE |
| Total/NA | Analysis | 8082A | | 1 | 183531 | 10/15/21 19:28 | E9VJ | ELLE |
| Total/NA | Prep | 3050B | | | 192546 | 11/09/21 13:56 | UJLA | ELLE |
| Total/NA | Analysis | 6010C | | 1 | 193090 | 11/10/21 10:53 | WJM9 | ELLE |
| Total/NA | Prep | 9071B | | | 184235 | 10/18/21 23:57 | QT6L | ELLE |
| Total/NA | Analysis | 9071B | | 1 | 185016 | 10/20/21 10:30 | UYB0 | ELLE |

Client Sample ID: Hartranft-10TH-CONF-SOIL-4-2021-10-12

Lab Sample ID: 410-58999-4

Date Collected: 10/12/21 10:11

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| TCLP | Leach | 1311 | | | 183239 | 10/15/21 15:20 | CZ7N | ELLE |
| TCLP | Analysis | 8260C | | 20 | 184674 | 10/20/21 04:40 | Y6ZN | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184616 | 10/19/21 17:40 | QQ3P | ELLE |
| TCLP | Analysis | 8270D | | 1 | 184885 | 10/20/21 16:19 | UWHS | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184649 | 10/19/21 17:27 | QQ3P | ELLE |
| TCLP | Analysis | 8081B | | 10 | 184818 | 10/20/21 10:04 | WN7O | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 8151A | | | 184800 | 10/20/21 00:20 | USL7 | ELLE |
| TCLP | Analysis | 8151A | | 1 | 185345 | 10/22/21 01:11 | UAMZ | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3005A | | | 183779 | 10/18/21 04:53 | UAMX | ELLE |
| TCLP | Analysis | 6010C | | 1 | 184654 | 10/19/21 15:30 | WJM9 | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 7470A | | | 183781 | 10/18/21 05:04 | UAMX | ELLE |
| TCLP | Analysis | 7470A | | 1 | 184228 | 10/18/21 18:47 | UEFS | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 1664B | | 1 | 184745 | 10/19/21 20:36 | QT6L | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 2540B-2011 | | 1 | 183795 | 10/18/21 06:25 | M98K | ELLE |

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-4-2021-10-12

Lab Sample ID: 410-58999-4

Date Collected: 10/12/21 10:11

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Analysis | 2540G-2011 | | 1 | 182808 | 10/14/21 12:23 | M98K | ELLE |
| Total/NA | Analysis | 261.21 | | 1 | 184207 | 10/18/21 19:56 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 410.4 | | 1 | 184548 | 10/19/21 12:52 | USAE | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9012 | | 1 | 183419 | 10/15/21 14:41 | JCG7 | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9034 | | 1 | 183334 | 10/15/21 12:20 | USE1 | ELLE |
| Soluble | Leach | DI Leach | | | 183472 | 10/15/21 16:25 | F8TI | ELLE |
| Soluble | Analysis | 9045D | | 1 | 183490 | 10/15/21 18:30 | F8TI | ELLE |
| Total/NA | Analysis | 9095B | | 1 | 184206 | 10/18/21 19:55 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 186751 | 10/25/21 15:55 | CZ7N | ELLE |
| ASTM Leach | Analysis | EPA 350.1 | | 1 | 189848 | 11/02/21 11:05 | JCG7 | ELLE |
| Total/NA | Analysis | Moisture | | 1 | 182800 | 10/14/21 12:07 | UWC1 | ELLE |

Client Sample ID: Hartranft-10TH-CONF-SOIL-4-2021-10-12

Lab Sample ID: 410-58999-4

Date Collected: 10/12/21 10:11

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 91.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 5030C | | | 182777 | 10/14/21 11:18 | JJT8 | ELLE |
| Total/NA | Analysis | 8260C | | 50 | 183894 | 10/18/21 15:29 | USEJ | ELLE |
| Total/NA | Prep | 3546 | | | 183168 | 10/15/21 09:45 | U9KU | ELLE |
| Total/NA | Analysis | 8082A | | 1 | 183531 | 10/15/21 19:38 | E9VJ | ELLE |
| Total/NA | Prep | 3050B | | | 192756 | 11/09/21 19:12 | UJLA | ELLE |
| Total/NA | Analysis | 6010C | | 1 | 195357 | 11/16/21 12:18 | WJM9 | ELLE |
| Total/NA | Prep | 9071B | | | 184235 | 10/18/21 23:57 | QT6L | ELLE |
| Total/NA | Analysis | 9071B | | 1 | 185016 | 10/20/21 10:30 | UYB0 | ELLE |

Client Sample ID: Hartranft-10TH-CONF-SOIL-5-2021-10-12

Lab Sample ID: 410-58999-5

Date Collected: 10/12/21 10:12

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| TCLP | Leach | 1311 | | | 183239 | 10/15/21 15:20 | CZ7N | ELLE |
| TCLP | Analysis | 8260C | | 20 | 184674 | 10/20/21 05:03 | Y6ZN | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184616 | 10/19/21 17:40 | QQ3P | ELLE |
| TCLP | Analysis | 8270D | | 1 | 184885 | 10/20/21 16:48 | UWHS | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184649 | 10/19/21 17:27 | QQ3P | ELLE |
| TCLP | Analysis | 8081B | | 10 | 184818 | 10/20/21 10:15 | WN7O | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 8151A | | | 184800 | 10/20/21 00:20 | USL7 | ELLE |
| TCLP | Analysis | 8151A | | 1 | 185345 | 10/22/21 01:47 | UAMZ | ELLE |

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-5-2021-10-12

Lab Sample ID: 410-58999-5

Date Collected: 10/12/21 10:12

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3005A | | | 183779 | 10/18/21 04:53 | UAMX | ELLE |
| TCLP | Analysis | 6010C | | 1 | 184654 | 10/19/21 15:15 | WJM9 | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 7470A | | | 183781 | 10/18/21 05:04 | UAMX | ELLE |
| TCLP | Analysis | 7470A | | 1 | 184228 | 10/18/21 18:41 | UEFS | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 1664B | | 1 | 184745 | 10/19/21 20:36 | QT6L | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 2540B-2011 | | 1 | 183795 | 10/18/21 06:25 | M98K | ELLE |
| Total/NA | Analysis | 2540G-2011 | | 1 | 182808 | 10/14/21 12:23 | M98K | ELLE |
| Total/NA | Analysis | 261.21 | | 1 | 184207 | 10/18/21 19:56 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 410.4 | | 1 | 184548 | 10/19/21 12:53 | USAE | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9012 | | 1 | 183419 | 10/15/21 14:42 | JCG7 | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9034 | | 1 | 183334 | 10/15/21 12:20 | USE1 | ELLE |
| Soluble | Leach | DI Leach | | | 183472 | 10/15/21 16:25 | F8TI | ELLE |
| Soluble | Analysis | 9045D | | 1 | 183490 | 10/15/21 18:30 | F8TI | ELLE |
| Total/NA | Analysis | 9095B | | 1 | 184206 | 10/18/21 19:55 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 186751 | 10/25/21 15:55 | CZ7N | ELLE |
| ASTM Leach | Analysis | EPA 350.1 | | 1 | 189848 | 11/02/21 11:07 | JCG7 | ELLE |
| Total/NA | Analysis | Moisture | | 1 | 182800 | 10/14/21 12:07 | UWC1 | ELLE |

Client Sample ID: Hartranft-10TH-CONF-SOIL-5-2021-10-12

Lab Sample ID: 410-58999-5

Date Collected: 10/12/21 10:12

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 93.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 5030C | | | 182777 | 10/14/21 11:18 | JJT8 | ELLE |
| Total/NA | Analysis | 8260C | | 50 | 183894 | 10/18/21 15:50 | USEJ | ELLE |
| Total/NA | Prep | 3546 | | | 183581 | 10/16/21 09:07 | U9KU | ELLE |
| Total/NA | Analysis | 8082A | | 1 | 183928 | 10/18/21 11:03 | JC94 | ELLE |
| Total/NA | Prep | 3050B | | | 192756 | 11/09/21 19:12 | UJLA | ELLE |
| Total/NA | Analysis | 6010C | | 1 | 195357 | 11/16/21 12:38 | WJM9 | ELLE |
| Total/NA | Prep | 9071B | | | 184235 | 10/18/21 23:57 | QT6L | ELLE |
| Total/NA | Analysis | 9071B | | 1 | 185016 | 10/20/21 10:30 | UYB0 | ELLE |

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-6-2021-10-12

Lab Sample ID: 410-58999-6

Date Collected: 10/12/21 10:16

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| TCLP | Leach | 1311 | | | 183239 | 10/15/21 15:20 | CZ7N | ELLE |
| TCLP | Analysis | 8260C | | 20 | 184674 | 10/20/21 05:26 | Y6ZN | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184616 | 10/19/21 17:40 | QQ3P | ELLE |
| TCLP | Analysis | 8270D | | 1 | 184885 | 10/20/21 17:17 | UWHS | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184649 | 10/19/21 17:27 | QQ3P | ELLE |
| TCLP | Analysis | 8081B | | 10 | 184818 | 10/20/21 10:26 | WN7O | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 8151A | | | 184800 | 10/20/21 00:20 | USL7 | ELLE |
| TCLP | Analysis | 8151A | | 1 | 185345 | 10/22/21 02:22 | UAMZ | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3005A | | | 183779 | 10/18/21 04:53 | UAMX | ELLE |
| TCLP | Analysis | 6010C | | 1 | 184654 | 10/19/21 15:18 | WJM9 | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 7470A | | | 183781 | 10/18/21 05:04 | UAMX | ELLE |
| TCLP | Analysis | 7470A | | 1 | 184228 | 10/18/21 18:43 | UEFS | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 1664B | | 1 | 184745 | 10/19/21 20:36 | QT6L | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 2540B-2011 | | 1 | 183795 | 10/18/21 06:25 | M98K | ELLE |
| Total/NA | Analysis | 2540G-2011 | | 1 | 182808 | 10/14/21 12:23 | M98K | ELLE |
| Total/NA | Analysis | 261.21 | | 1 | 184207 | 10/18/21 19:56 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 410.4 | | 1 | 184548 | 10/19/21 12:54 | USAE | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9012 | | 1 | 183419 | 10/15/21 14:43 | JCG7 | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9034 | | 1 | 183334 | 10/15/21 12:20 | USE1 | ELLE |
| Soluble | Leach | DI Leach | | | 183472 | 10/15/21 16:25 | F8TI | ELLE |
| Soluble | Analysis | 9045D | | 1 | 183490 | 10/15/21 18:30 | F8TI | ELLE |
| Total/NA | Analysis | 9095B | | 1 | 184206 | 10/18/21 19:55 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 186751 | 10/25/21 15:55 | CZ7N | ELLE |
| ASTM Leach | Analysis | EPA 350.1 | | 1 | 189848 | 11/02/21 11:09 | JCG7 | ELLE |
| Total/NA | Analysis | Moisture | | 1 | 182800 | 10/14/21 12:07 | UWC1 | ELLE |

Client Sample ID: Hartranft-10TH-CONF-SOIL-6-2021-10-12

Lab Sample ID: 410-58999-6

Date Collected: 10/12/21 10:16

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 81.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 5030C | | | 182777 | 10/14/21 11:18 | JJT8 | ELLE |
| Total/NA | Analysis | 8260C | | 50 | 183894 | 10/18/21 16:11 | USEJ | ELLE |
| Total/NA | Prep | 3546 | | | 183581 | 10/16/21 09:07 | U9KU | ELLE |
| Total/NA | Analysis | 8082A | | 1 | 183928 | 10/18/21 11:14 | JC94 | ELLE |

Eurofins Lancaster Laboratories Env, LLC

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-CONF-SOIL-6-2021-10-12

Lab Sample ID: 410-58999-6

Date Collected: 10/12/21 10:16

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 81.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 3050B | | | 192756 | 11/09/21 19:12 | UJLA | ELLE |
| Total/NA | Analysis | 6010C | | 1 | 195357 | 11/16/21 12:30 | WJM9 | ELLE |
| Total/NA | Prep | 9071B | | | 184235 | 10/18/21 23:57 | QT6L | ELLE |
| Total/NA | Analysis | 9071B | | 1 | 185016 | 10/20/21 10:30 | UYB0 | ELLE |

Client Sample ID: Hartranft-10TH-RB44062-RT-1-2021-10-12

Lab Sample ID: 410-58999-7

Date Collected: 10/12/21 10:30

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| TCLP | Leach | 1311 | | | 183239 | 10/15/21 15:20 | CZ7N | ELLE |
| TCLP | Analysis | 8260C | | 20 | 184674 | 10/20/21 05:49 | Y6ZN | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184616 | 10/19/21 17:40 | QQ3P | ELLE |
| TCLP | Analysis | 8270D | | 1 | 184885 | 10/20/21 17:46 | UWHS | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184649 | 10/19/21 17:27 | QQ3P | ELLE |
| TCLP | Analysis | 8081B | | 10 | 184818 | 10/20/21 10:37 | WN7O | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 8151A | | | 184800 | 10/20/21 00:20 | USL7 | ELLE |
| TCLP | Analysis | 8151A | | 1 | 185345 | 10/22/21 02:57 | UAMZ | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3005A | | | 183779 | 10/18/21 04:53 | UAMX | ELLE |
| TCLP | Analysis | 6010C | | 1 | 184654 | 10/19/21 15:27 | WJM9 | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 7470A | | | 183781 | 10/18/21 05:04 | UAMX | ELLE |
| TCLP | Analysis | 7470A | | 1 | 184228 | 10/18/21 18:45 | UEFS | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 1664B | | 1 | 184745 | 10/19/21 20:36 | QT6L | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 2540B-2011 | | 1 | 183795 | 10/18/21 06:25 | M98K | ELLE |
| Total/NA | Analysis | 2540G-2011 | | 1 | 182808 | 10/14/21 12:23 | M98K | ELLE |
| Total/NA | Analysis | 261.21 | | 1 | 184207 | 10/18/21 19:56 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 410.4 | | 1 | 184548 | 10/19/21 12:48 | USAE | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9012 | | 1 | 183419 | 10/15/21 14:45 | JCG7 | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9034 | | 1 | 183334 | 10/15/21 12:20 | USE1 | ELLE |
| Soluble | Leach | DI Leach | | | 183472 | 10/15/21 16:25 | F8TI | ELLE |
| Soluble | Analysis | 9045D | | 1 | 183490 | 10/15/21 18:30 | F8TI | ELLE |
| Total/NA | Analysis | 9095B | | 1 | 184206 | 10/18/21 19:55 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 186751 | 10/25/21 15:55 | CZ7N | ELLE |
| ASTM Leach | Analysis | EPA 350.1 | | 1 | 189848 | 11/02/21 11:18 | JCG7 | ELLE |
| Total/NA | Analysis | Moisture | | 1 | 182800 | 10/14/21 12:07 | UWC1 | ELLE |

Eurofins Lancaster Laboratories Env, LLC

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-1-2021-10-12

Lab Sample ID: 410-58999-7

Date Collected: 10/12/21 10:30

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 81.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 5030C | | | 182777 | 10/14/21 11:18 | JJT8 | ELLE |
| Total/NA | Analysis | 8260C | | 50 | 183894 | 10/18/21 16:31 | USEJ | ELLE |
| Total/NA | Prep | 3546 | | | 183581 | 10/16/21 09:07 | U9KU | ELLE |
| Total/NA | Analysis | 8082A | | 1 | 183928 | 10/18/21 11:24 | JC94 | ELLE |
| Total/NA | Prep | 3050B | | | 192546 | 11/09/21 13:56 | UJLA | ELLE |
| Total/NA | Analysis | 6010C | | 1 | 193090 | 11/10/21 11:03 | WJM9 | ELLE |
| Total/NA | Prep | 9071B | | | 184235 | 10/18/21 23:57 | QT6L | ELLE |
| Total/NA | Analysis | 9071B | | 1 | 185016 | 10/20/21 10:30 | UYB0 | ELLE |

Client Sample ID: Hartranft-10TH-RB44062-RT-2-2021-10-12

Lab Sample ID: 410-58999-8

Date Collected: 10/12/21 10:36

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| TCLP | Leach | 1311 | | | 183239 | 10/15/21 15:20 | CZ7N | ELLE |
| TCLP | Analysis | 8260C | | 20 | 184674 | 10/20/21 06:12 | Y6ZN | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184616 | 10/19/21 17:40 | QQ3P | ELLE |
| TCLP | Analysis | 8270D | | 1 | 184885 | 10/20/21 18:15 | UWHS | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184649 | 10/19/21 17:27 | QQ3P | ELLE |
| TCLP | Analysis | 8081B | | 10 | 184818 | 10/20/21 10:49 | WN7O | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 8151A | | | 184800 | 10/20/21 00:20 | USL7 | ELLE |
| TCLP | Analysis | 8151A | | 1 | 185345 | 10/22/21 03:33 | UAMZ | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3005A | | | 183779 | 10/18/21 04:53 | UAMX | ELLE |
| TCLP | Analysis | 6010C | | 1 | 184654 | 10/19/21 15:33 | WJM9 | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 7470A | | | 183781 | 10/18/21 05:04 | UAMX | ELLE |
| TCLP | Analysis | 7470A | | 1 | 184228 | 10/18/21 18:54 | UEFS | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 1664B | | 1 | 184745 | 10/19/21 20:36 | QT6L | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 2540B-2011 | | 1 | 183795 | 10/18/21 06:25 | M98K | ELLE |
| Total/NA | Analysis | 2540G-2011 | | 1 | 182808 | 10/14/21 12:23 | M98K | ELLE |
| Total/NA | Analysis | 261.21 | | 1 | 184207 | 10/18/21 19:56 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 410.4 | | 1 | 184548 | 10/19/21 12:52 | USAE | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9012 | | 1 | 183419 | 10/15/21 14:46 | JCG7 | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9034 | | 1 | 183334 | 10/15/21 12:20 | USE1 | ELLE |
| Soluble | Leach | DI Leach | | | 183472 | 10/15/21 16:25 | F8TI | ELLE |
| Soluble | Analysis | 9045D | | 1 | 183490 | 10/15/21 18:30 | F8TI | ELLE |

Eurofins Lancaster Laboratories Env, LLC

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-2-2021-10-12

Lab Sample ID: 410-58999-8

Date Collected: 10/12/21 10:36

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Analysis | 9095B | | 1 | 184206 | 10/18/21 19:55 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 186751 | 10/25/21 15:55 | CZ7N | ELLE |
| ASTM Leach | Analysis | EPA 350.1 | | 1 | 189848 | 11/02/21 11:20 | JCG7 | ELLE |
| Total/NA | Analysis | Moisture | | 1 | 182800 | 10/14/21 12:07 | UWC1 | ELLE |

Client Sample ID: Hartranft-10TH-RB44062-RT-2-2021-10-12

Lab Sample ID: 410-58999-8

Date Collected: 10/12/21 10:36

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 82.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 5030C | | | 182777 | 10/14/21 11:18 | JJT8 | ELLE |
| Total/NA | Analysis | 8260C | | 50 | 183894 | 10/18/21 16:52 | USEJ | ELLE |
| Total/NA | Prep | 3546 | | | 183581 | 10/16/21 09:07 | U9KU | ELLE |
| Total/NA | Analysis | 8082A | | 1 | 183928 | 10/18/21 11:35 | JC94 | ELLE |
| Total/NA | Prep | 3050B | | | 192756 | 11/09/21 19:12 | UJLA | ELLE |
| Total/NA | Analysis | 6010C | | 1 | 195357 | 11/16/21 12:22 | WJM9 | ELLE |
| Total/NA | Prep | 9071B | | | 184235 | 10/18/21 23:57 | QT6L | ELLE |
| Total/NA | Analysis | 9071B | | 1 | 185016 | 10/20/21 10:30 | UYB0 | ELLE |

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12

Lab Sample ID: 410-58999-9

Date Collected: 10/12/21 10:38

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| TCLP | Leach | 1311 | | | 183239 | 10/15/21 15:20 | CZ7N | ELLE |
| TCLP | Analysis | 8260C | | 20 | 184674 | 10/20/21 06:35 | Y6ZN | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184616 | 10/19/21 17:40 | QQ3P | ELLE |
| TCLP | Analysis | 8270D | | 1 | 184885 | 10/20/21 18:44 | UWHS | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3510C | | | 184649 | 10/19/21 17:27 | QQ3P | ELLE |
| TCLP | Analysis | 8081B | | 10 | 184818 | 10/20/21 11:00 | WN7O | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 8151A | | | 184800 | 10/20/21 00:20 | USL7 | ELLE |
| TCLP | Analysis | 8151A | | 1 | 185345 | 10/22/21 04:08 | UAMZ | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 3005A | | | 183779 | 10/18/21 04:53 | UAMX | ELLE |
| TCLP | Analysis | 6010C | | 1 | 184654 | 10/19/21 15:52 | WJM9 | ELLE |
| TCLP | Leach | 1311 | | | 183271 | 10/15/21 15:14 | CZ7N | ELLE |
| TCLP | Prep | 7470A | | | 183781 | 10/18/21 05:04 | UAMX | ELLE |
| TCLP | Analysis | 7470A | | 1 | 184228 | 10/18/21 19:04 | UEFS | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 1664B | | 1 | 184745 | 10/19/21 20:36 | QT6L | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 2540B-2011 | | 1 | 183795 | 10/18/21 06:25 | M98K | ELLE |

Lab Chronicle

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12

Lab Sample ID: 410-58999-9

Date Collected: 10/12/21 10:38

Matrix: Solid

Date Received: 10/13/21 18:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Analysis | 2540G-2011 | | 1 | 182808 | 10/14/21 12:23 | M98K | ELLE |
| Total/NA | Analysis | 261.21 | | 1 | 184207 | 10/18/21 19:56 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 183273 | 10/15/21 15:14 | CZ7N | ELLE |
| ASTM Leach | Analysis | 410.4 | | 1 | 184548 | 10/19/21 12:45 | USAE | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9012 | | 1 | 183419 | 10/15/21 14:48 | JCG7 | ELLE |
| Total/NA | Prep | 7.3.3 | | | 183171 | 10/15/21 07:55 | USE1 | ELLE |
| Total/NA | Analysis | 9034 | | 1 | 183334 | 10/15/21 12:20 | USE1 | ELLE |
| Soluble | Leach | DI Leach | | | 183472 | 10/15/21 16:25 | F8TI | ELLE |
| Soluble | Analysis | 9045D | | 1 | 183490 | 10/15/21 18:30 | F8TI | ELLE |
| Total/NA | Analysis | 9095B | | 1 | 184206 | 10/18/21 19:55 | DI9Q | ELLE |
| ASTM Leach | Leach | D3987-85 | | | 186751 | 10/25/21 15:55 | CZ7N | ELLE |
| ASTM Leach | Analysis | EPA 350.1 | | 1 | 189848 | 11/02/21 12:49 | JCG7 | ELLE |
| Total/NA | Analysis | Moisture | | 1 | 182800 | 10/14/21 12:07 | UWC1 | ELLE |

Client Sample ID: Hartranft-10TH-RB44062-RT-3-2021-10-12

Lab Sample ID: 410-58999-9

Date Collected: 10/12/21 10:38

Matrix: Solid

Date Received: 10/13/21 18:10

Percent Solids: 82.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 5030C | | | 182777 | 10/14/21 11:18 | JJT8 | ELLE |
| Total/NA | Analysis | 8260C | | 50 | 183894 | 10/18/21 17:13 | USEJ | ELLE |
| Total/NA | Prep | 3546 | | | 183581 | 10/16/21 09:07 | U9KU | ELLE |
| Total/NA | Analysis | 8082A | | 1 | 183928 | 10/18/21 11:45 | JC94 | ELLE |
| Total/NA | Prep | 3050B | | | 192546 | 11/09/21 13:56 | UJLA | ELLE |
| Total/NA | Analysis | 6010C | | 1 | 193090 | 11/10/21 11:07 | WJM9 | ELLE |
| Total/NA | Prep | 9071B | | | 184235 | 10/18/21 23:57 | QT6L | ELLE |
| Total/NA | Analysis | 9071B | | 1 | 185016 | 10/20/21 10:30 | UYB0 | ELLE |

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: NorthStar Contracting Group, Inc.
 Project/Site: NorthStar Sampling

Job ID: 410-58999-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|--------------|---------|-----------------------|-----------------|
| Pennsylvania | NELAP | 36-00037 | 01-31-22 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------------------|
| 1664B | | Solid | HEM (Oil & Grease) |
| 2540B-2011 | | Solid | Residue, Total |
| 2540B-2011 | | Solid | Total Solids |
| 2540G-2011 | | Solid | Percent Solids |
| 261.21 | | Solid | Ignitable to Air |
| 261.21 | | Solid | Ignitable to Flame |
| 261.21 | | Solid | Ignitable to Friction |
| 261.21 | | Solid | Ignitable to Water |
| 410.4 | | Solid | Chemical Oxygen Demand |
| 9034 | 7.3.3 | Solid | Sulfide, Reactive |
| 9045D | | Solid | Corrosivity |
| EPA 350.1 | | Solid | Ammonia as N |
| Moisture | | Solid | Percent Moisture |



Method Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

| Method | Method Description | Protocol | Laboratory |
|------------|--|----------|------------|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | ELLE |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | ELLE |
| 8081B | Organochlorine Pesticides (GC) | SW846 | ELLE |
| 8082A | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846 | ELLE |
| 8151A | Herbicides (GC) | SW846 | ELLE |
| 6010C | Metals (ICP) | SW846 | ELLE |
| 7470A | Mercury (CVAA) | SW846 | ELLE |
| 1664B | HEM and SGT-HEM | 1664B | ELLE |
| 2540B-2011 | Solids, Total | SM | ELLE |
| 2540G-2011 | Total, Fixed, and Volatile Solids | SM | ELLE |
| 261.21 | Ignitability | 40CFR261 | ELLE |
| 410.4 | COD | MCAWW | ELLE |
| 9012 | Cyanide, Reactive | SW846 | ELLE |
| 9034 | Sulfide, Reactive | SW846 | ELLE |
| 9045D | pH | SW846 | ELLE |
| 9071B | HEM and SGT-HEM | SW846 | ELLE |
| 9095B | Paint Filter | SW846 | ELLE |
| EPA 350.1 | Nitrogen, Ammonia | EPA | ELLE |
| Moisture | Percent Moisture | EPA | ELLE |
| 1311 | TCLP Extraction | SW846 | ELLE |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | ELLE |
| 3050B | Preparation, Metals | SW846 | ELLE |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | ELLE |
| 3546 | Microwave Extraction | SW846 | ELLE |
| 5030C | Purge and Trap | SW846 | ELLE |
| 7.3.3 | Cyanide, Reactive | SW846 | ELLE |
| 7.3.4 | Sulfide, Reactive | SW846 | ELLE |
| 7470A | Preparation, Mercury | SW846 | ELLE |
| 8151A | Extraction (Herbicides) | SW846 | ELLE |
| 9071B | Preparation, HEM and SGT-HEM | SW846 | ELLE |
| D3987-85 | ASTM Leaching Procedure | ASTM | ELLE |
| DI Leach | Deionized Water Leaching Procedure | ASTM | ELLE |

Protocol References:

1664B = EPA-821-98-002

40CFR261 = 40 CFR Part 261

ASTM = ASTM International

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: NorthStar Contracting Group, Inc.
Project/Site: NorthStar Sampling

Job ID: 410-58999-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|--|--------|----------------|----------------|
| 410-58999-1 | Hartranft-10TH-CONF-SOIL-1-2021-10-12 | Solid | 10/12/21 10:00 | 10/13/21 18:10 |
| 410-58999-2 | Hartranft-10TH-CONF-SOIL-2-2021-10-12 | Solid | 10/12/21 10:05 | 10/13/21 18:10 |
| 410-58999-3 | Hartranft-10TH-CONF-SOIL-3-2021-10-12 | Solid | 10/12/21 10:07 | 10/13/21 18:10 |
| 410-58999-4 | Hartranft-10TH-CONF-SOIL-4-2021-10-12 | Solid | 10/12/21 10:11 | 10/13/21 18:10 |
| 410-58999-5 | Hartranft-10TH-CONF-SOIL-5-2021-10-12 | Solid | 10/12/21 10:12 | 10/13/21 18:10 |
| 410-58999-6 | Hartranft-10TH-CONF-SOIL-6-2021-10-12 | Solid | 10/12/21 10:16 | 10/13/21 18:10 |
| 410-58999-7 | Hartranft-10TH-RB44062-RT-1-2021-10-12 | Solid | 10/12/21 10:30 | 10/13/21 18:10 |
| 410-58999-8 | Hartranft-10TH-RB44062-RT-2-2021-10-12 | Solid | 10/12/21 10:36 | 10/13/21 18:10 |
| 410-58999-9 | Hartranft-10TH-RB44062-RT-3-2021-10-12 | Solid | 10/12/21 10:38 | 10/13/21 18:10 |

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



TABLE A PARAMETERS



410-58999-02 Chain of Custody

| | Parameter Name | Type | Category | Limits | Units | 85% of Limit |
|--------------------------|------------------------|-------------|--------------|-----------------|-------|--------------|
| <input type="checkbox"/> | Ignitibility | As Received | | >140 | F | |
| <input type="checkbox"/> | Oil & Grease | As Received | | | mg/kg | |
| <input type="checkbox"/> | Paint Filter Test | As Received | | No free liquids | | |
| <input type="checkbox"/> | PCB's | As Received | | 50 | | |
| <input type="checkbox"/> | pH | As Received | | 2 - 12.5 | S.U. | |
| <input type="checkbox"/> | Reactive Cyanide | As Received | | 100 | | |
| <input type="checkbox"/> | Reactive Sulfide | As Received | | 500 | | |
| <input type="checkbox"/> | Total Solids | As Received | | | | |
| <input type="checkbox"/> | Total Volatile Solids | As Received | | | | |
| <input type="checkbox"/> | Ammonia-Nitrogen | ASTM | | 111111 | mg/l | |
| <input type="checkbox"/> | Chemical Oxygen Demand | ASTM | | | | |
| <input type="checkbox"/> | Oil & Grease | ASTM | | 88550 | mg/l | |
| <input type="checkbox"/> | Total Solids | ASTM | | | | |
| <input type="checkbox"/> | pH | TCLP | | | | |
| <input type="checkbox"/> | Arsenic | TCLP | Metals | 5 | mg/l | 4.25 |
| <input type="checkbox"/> | Barium | TCLP | Metals | 100 | mg/l | 85 |
| <input type="checkbox"/> | Cadmium | TCLP | Metals | 1 | mg/l | 0.85 |
| <input type="checkbox"/> | Chromium | TCLP | Metals | 5 | mg/l | 4.25 |
| <input type="checkbox"/> | Copper | TCLP | Metals | 167 | mg/l | 142 |
| <input type="checkbox"/> | Lead | TCLP | Metals | 5 | mg/l | 4.25 |
| <input type="checkbox"/> | Mercury | TCLP | Metals | 0.2 | mg/l | 0.17 |
| <input type="checkbox"/> | Nickel | TCLP | Metals | 242 | mg/l | 206 |
| <input type="checkbox"/> | Selenium | TCLP | Metals | 1 | mg/l | 0.85 |
| <input type="checkbox"/> | Silver | TCLP | Metals | 5 | mg/l | 4.25 |
| <input type="checkbox"/> | Zinc | TCLP | Metals | 1875 | mg/l | 1594 |
| <input type="checkbox"/> | 2,4-D | TCLP | Herb | 10 | mg/l | 8.5 |
| <input type="checkbox"/> | 2,4,5-TP | TCLP | Herb | 1 | mg/l | 0.85 |
| <input type="checkbox"/> | Chlordane | TCLP | Pest | 0.03 | mg/l | 0.0255 |
| <input type="checkbox"/> | Endrin | TCLP | Pest | 0.02 | mg/l | 0.017 |
| <input type="checkbox"/> | Heptachlor | TCLP | Pest | 0.008 | mg/l | 0.0068 |
| <input type="checkbox"/> | Heptachlor Epoxide | TCLP | Pest | 0.008 | mg/l | 0.0068 |
| <input type="checkbox"/> | Lindane | TCLP | Pest | 0.4 | mg/l | 0.34 |
| <input type="checkbox"/> | Methoxychlor | TCLP | Pest | 10mg/l | 8.5 | |
| <input type="checkbox"/> | Toxaphene | TCLP | Pest | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | 2,4,5-trichlorophenol | TCLP | Acids | 400 | mg/l | 340 |
| <input type="checkbox"/> | 2,4,6-trichlorophenol | TCLP | Acids | 2 | mg/l | 1.7 |
| <input type="checkbox"/> | m-cresol | TCLP | Acids | 200 | mg/l | 170 |
| <input type="checkbox"/> | o-cresol | TCLP | Acids | 200 | mg/l | 170 |
| <input type="checkbox"/> | p-cresol | TCLP | Acids | 200 | mg/l | 170 |
| <input type="checkbox"/> | Pentachlorophenol | TCLP | Acids | 100 | mg/l | 85 |
| <input type="checkbox"/> | 2,4-dinitrotoluene | TCLP | Base/Neutral | 0.13 | mg/l | 0.1105 |
| <input type="checkbox"/> | Hexachlorobenzene | TCLP | Base/Neutral | 0.13 | mg/l | 0.1105 |
| <input type="checkbox"/> | Hexachlorobutadiene | TCLP | Base/Neutral | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | Hexachloroethane | TCLP | Base/Neutral | 3 | mg/l | 2.55 |





TABLE A PARAMETERS

*Volatile Organic Compounds must be taken from discrete samples

| | Parameter Name | Type | Category | Limits | Units | 85% of Limit |
|--------------------------|------------------------|------|--------------|--------|-------|--------------|
| <input type="checkbox"/> | Nitrobenzene | TCLP | Base/Neutral | 2 | mg/l | 1.7 |
| <input type="checkbox"/> | Pyridine | TCLP | Base/Neutral | 5 | mg/l | 4.25 |
| <input type="checkbox"/> | * 1,1-dichloroethyene | TCLP | Volatiles | 0.7 | mg/l | 0.595 |
| <input type="checkbox"/> | * 1,2-dichloroethane | TCLP | Volatiles | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | * 1,4-dichlorobenzene | TCLP | Volatiles | 7.5 | mg/l | 6.375 |
| <input type="checkbox"/> | * Benzene | TCLP | Volatiles | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | * Carbon Tetrachloride | TCLP | Volatiles | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | * Chlorobenzene | TCLP | Volatiles | 100 | mg/l | 85 |
| <input type="checkbox"/> | * Chloroform | TCLP | Volatiles | 8 | mg/l | 6.8 |
| <input type="checkbox"/> | * Methyl ethyl ketone | TCLP | Volatiles | 200 | mg/l | 170 |
| <input type="checkbox"/> | * Tetrachloroethylene | TCLP | Volatiles | 0.7 | mg/l | 0.595 |
| <input type="checkbox"/> | * Trichloroethylene | TCLP | Volatiles | 0.5 | mg/l | 0.425 |
| <input type="checkbox"/> | * Vinyl Chloride | TCLP | Volatiles | 0.2 | mg/l | 0.17 |

Login Sample Receipt Checklist

Client: NorthStar Contracting Group, Inc.

Job Number: 410-58999-1

Login Number: 58999

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Renner, Melissa

| Question | Answer | Comment |
|---|--------|---------|
| The cooler's custody seal is 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 ($\leq 6^{\circ}\text{C}$, not frozen). | True | |
| Cooler Temperature is recorded. | True | |
| WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen). | N/A | |
| WV: Container Temperature is recorded. | N/A | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the containers received and the COC. | 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 | |
| There is sufficient vol. for all requested analyses. | True | |
| Is the Field Sampler's name present on COC? | True | |
| Sample custody seals are intact. | N/A | |



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L2165357 |
| Client: | Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110 |
| ATTN: | Joe Jeray |
| Phone: | (978) 729-3209 |
| Project Name: | PES REFINERY-860 RELEASE |
| Project Number: | 200.00135.005.03 |
| Report Date: | 12/13/21 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: PES REFINERY-860 RELEASE**Project Number:** 200.00135.005.03**Lab Number:** L2165357**Report Date:** 12/13/21

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|---|---------------|----------------------------|---------------------------------|---------------------|
| L2165357-01 | HARTRANFT-10TH-CONF- SOIL-1-2021-11-29 | SOIL | PHILADELPHIA, PA | 11/29/21 10:00 | 11/29/21 |
| L2165357-02 | HARTRANFT-10TH-CONF- SOIL-2-2021-11-29 | SOIL | PHILADELPHIA, PA | 11/29/21 10:20 | 11/29/21 |
| L2165357-03 | HARTRANFT-10TH-CONF- SOIL-3-2021-11-29 | SOIL | PHILADELPHIA, PA | 11/29/21 10:50 | 11/29/21 |
| L2165357-04 | HARTRANFT-10TH-CONF- SOIL-4-2021-11-29 | SOIL | PHILADELPHIA, PA | 11/29/21 11:00 | 11/29/21 |
| L2165357-05 | HARTRANFT-10TH-CONF- SOIL-5-2021-11-29 | SOIL | PHILADELPHIA, PA | 11/29/21 11:05 | 11/29/21 |
| L2165357-06 | HARTRANFT-10TH-CONF- SOIL-6-2021-11-29 | SOIL | PHILADELPHIA, PA | 11/29/21 11:15 | 11/29/21 |

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L2165357-06D: The sample has elevated detection limits due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Sebastian Corbin

Title: Technical Director/Representative

Date: 12/13/21

ORGANICS

SEMIVOLATILES

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2165357-01
 Client ID: HARTRANFT-10TH-CONF-SOIL-1-2021-11-29
 Sample Location: PHILADELPHIA, PA

Date Collected: 11/29/21 10:00
 Date Received: 11/29/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/07/21 11:58
 Analyst: JRW
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 12/06/21 23:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Naphthalene | 0.18 | J | mg/kg | 0.21 | 0.025 | 1 |
| Fluorene | ND | | mg/kg | 0.21 | 0.020 | 1 |
| Phenanthrene | 0.071 | J | mg/kg | 0.12 | 0.025 | 1 |
| Anthracene | ND | | mg/kg | 0.12 | 0.040 | 1 |
| Pyrene | 0.091 | J | mg/kg | 0.12 | 0.020 | 1 |
| Benzo(a)anthracene | 0.071 | J | mg/kg | 0.12 | 0.023 | 1 |
| Chrysene | 0.072 | J | mg/kg | 0.12 | 0.022 | 1 |
| Benzo(b)fluoranthene | 0.12 | | mg/kg | 0.12 | 0.035 | 1 |
| Benzo(a)pyrene | 0.090 | J | mg/kg | 0.16 | 0.050 | 1 |
| Benzo(ghi)perylene | 0.097 | J | mg/kg | 0.16 | 0.024 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|------------------|------------|-----------|---------------------|
| Nitrobenzene-d5 | 91 | | 23-120 |
| 2-Fluorobiphenyl | 69 | | 30-120 |
| 4-Terphenyl-d14 | 66 | | 18-120 |

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2165357-02
 Client ID: HARTRANFT-10TH-CONF-SOIL-2-2021-11-29
 Sample Location: PHILADELPHIA, PA

Date Collected: 11/29/21 10:20
 Date Received: 11/29/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/07/21 14:23
 Analyst: JRW
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 12/06/21 23:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Naphthalene | 0.15 | J | mg/kg | 0.19 | 0.024 | 1 |
| Fluorene | 0.060 | J | mg/kg | 0.19 | 0.019 | 1 |
| Phenanthrene | 0.096 | J | mg/kg | 0.12 | 0.024 | 1 |
| Anthracene | ND | | mg/kg | 0.12 | 0.038 | 1 |
| Pyrene | 0.11 | J | mg/kg | 0.12 | 0.019 | 1 |
| Benzo(a)anthracene | 0.078 | J | mg/kg | 0.12 | 0.022 | 1 |
| Chrysene | 0.068 | J | mg/kg | 0.12 | 0.020 | 1 |
| Benzo(b)fluoranthene | 0.089 | J | mg/kg | 0.12 | 0.033 | 1 |
| Benzo(a)pyrene | 0.073 | J | mg/kg | 0.16 | 0.047 | 1 |
| Benzo(ghi)perylene | 0.043 | J | mg/kg | 0.16 | 0.023 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|------------------|------------|-----------|---------------------|
| Nitrobenzene-d5 | 85 | | 23-120 |
| 2-Fluorobiphenyl | 78 | | 30-120 |
| 4-Terphenyl-d14 | 87 | | 18-120 |

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2165357-03
 Client ID: HARTRANFT-10TH-CONF-SOIL-3-2021-11-29
 Sample Location: PHILADELPHIA, PA

Date Collected: 11/29/21 10:50
 Date Received: 11/29/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/07/21 14:48
 Analyst: JRW
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 12/06/21 23:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Naphthalene | 0.47 | | mg/kg | 0.18 | 0.022 | 1 |
| Fluorene | ND | | mg/kg | 0.18 | 0.017 | 1 |
| Phenanthrene | 0.48 | | mg/kg | 0.11 | 0.022 | 1 |
| Anthracene | 0.14 | | mg/kg | 0.11 | 0.035 | 1 |
| Pyrene | 0.75 | | mg/kg | 0.11 | 0.018 | 1 |
| Benzo(a)anthracene | 0.45 | | mg/kg | 0.11 | 0.020 | 1 |
| Chrysene | 0.43 | | mg/kg | 0.11 | 0.019 | 1 |
| Benzo(b)fluoranthene | 0.56 | | mg/kg | 0.11 | 0.030 | 1 |
| Benzo(a)pyrene | 0.45 | | mg/kg | 0.14 | 0.044 | 1 |
| Benzo(ghi)perylene | 0.29 | | mg/kg | 0.14 | 0.021 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|------------------|------------|-----------|---------------------|
| Nitrobenzene-d5 | 107 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 30-120 |
| 4-Terphenyl-d14 | 71 | | 18-120 |

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2165357-04
 Client ID: HARTRANFT-10TH-CONF-SOIL-4-2021-11-29
 Sample Location: PHILADELPHIA, PA

Date Collected: 11/29/21 11:00
 Date Received: 11/29/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/07/21 15:12
 Analyst: JRW
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 12/06/21 23:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Naphthalene | ND | | mg/kg | 0.19 | 0.023 | 1 |
| Fluorene | ND | | mg/kg | 0.19 | 0.018 | 1 |
| Phenanthrene | ND | | mg/kg | 0.11 | 0.023 | 1 |
| Anthracene | ND | | mg/kg | 0.11 | 0.036 | 1 |
| Pyrene | ND | | mg/kg | 0.11 | 0.019 | 1 |
| Benzo(a)anthracene | ND | | mg/kg | 0.11 | 0.021 | 1 |
| Chrysene | ND | | mg/kg | 0.11 | 0.020 | 1 |
| Benzo(b)fluoranthene | ND | | mg/kg | 0.11 | 0.032 | 1 |
| Benzo(a)pyrene | ND | | mg/kg | 0.15 | 0.046 | 1 |
| Benzo(ghi)perylene | ND | | mg/kg | 0.15 | 0.022 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|------------------|------------|-----------|---------------------|
| Nitrobenzene-d5 | 86 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 30-120 |
| 4-Terphenyl-d14 | 79 | | 18-120 |

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2165357-05
 Client ID: HARTRANFT-10TH-CONF-SOIL-5-2021-11-29
 Sample Location: PHILADELPHIA, PA

Date Collected: 11/29/21 11:05
 Date Received: 11/29/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/07/21 16:00
 Analyst: JRW
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 12/06/21 23:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Naphthalene | ND | | mg/kg | 0.18 | 0.022 | 1 |
| Fluorene | ND | | mg/kg | 0.18 | 0.017 | 1 |
| Phenanthrene | 0.028 | J | mg/kg | 0.11 | 0.022 | 1 |
| Anthracene | ND | | mg/kg | 0.11 | 0.035 | 1 |
| Pyrene | ND | | mg/kg | 0.11 | 0.018 | 1 |
| Benzo(a)anthracene | ND | | mg/kg | 0.11 | 0.020 | 1 |
| Chrysene | ND | | mg/kg | 0.11 | 0.019 | 1 |
| Benzo(b)fluoranthene | ND | | mg/kg | 0.11 | 0.030 | 1 |
| Benzo(a)pyrene | ND | | mg/kg | 0.14 | 0.044 | 1 |
| Benzo(ghi)perylene | ND | | mg/kg | 0.14 | 0.021 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|------------------|------------|-----------|---------------------|
| Nitrobenzene-d5 | 90 | | 23-120 |
| 2-Fluorobiphenyl | 76 | | 30-120 |
| 4-Terphenyl-d14 | 74 | | 18-120 |

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2165357-06 D
 Client ID: HARTRANFT-10TH-CONF-SOIL-6-2021-11-29
 Sample Location: PHILADELPHIA, PA

Date Collected: 11/29/21 11:15
 Date Received: 11/29/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/11/21 14:47
 Analyst: WR
 Percent Solids: 95%

Extraction Method: EPA 3546
 Extraction Date: 12/06/21 23:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Naphthalene | 5.3 | | mg/kg | 0.87 | 0.11 | 5 |
| Fluorene | 5.3 | | mg/kg | 0.87 | 0.085 | 5 |
| Phenanthrene | 12. | | mg/kg | 0.52 | 0.10 | 5 |
| Anthracene | 4.0 | | mg/kg | 0.52 | 0.17 | 5 |
| Pyrene | 14. | | mg/kg | 0.52 | 0.087 | 5 |
| Benzo(a)anthracene | 7.5 | | mg/kg | 0.52 | 0.098 | 5 |
| Chrysene | 7.5 | | mg/kg | 0.52 | 0.091 | 5 |
| Benzo(b)fluoranthene | 9.6 | | mg/kg | 0.52 | 0.15 | 5 |
| Benzo(a)pyrene | 7.1 | | mg/kg | 0.70 | 0.21 | 5 |
| Benzo(ghi)perylene | 4.3 | | mg/kg | 0.70 | 0.10 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|------------------|------------|-----------|---------------------|
| Nitrobenzene-d5 | 120 | | 23-120 |
| 2-Fluorobiphenyl | 29 | Q | 30-120 |
| 4-Terphenyl-d14 | 29 | | 18-120 |

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/07/21 10:45
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 12/06/21 23:49

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1579872-1 | | | | | |
| Naphthalene | ND | | mg/kg | 0.17 | 0.020 |
| Fluorene | ND | | mg/kg | 0.17 | 0.016 |
| Phenanthrene | ND | | mg/kg | 0.10 | 0.020 |
| Anthracene | ND | | mg/kg | 0.10 | 0.032 |
| Pyrene | ND | | mg/kg | 0.10 | 0.016 |
| Benzo(a)anthracene | ND | | mg/kg | 0.10 | 0.019 |
| Chrysene | ND | | mg/kg | 0.10 | 0.017 |
| Benzo(b)fluoranthene | ND | | mg/kg | 0.10 | 0.028 |
| Benzo(a)pyrene | ND | | mg/kg | 0.13 | 0.041 |
| Benzo(ghi)perylene | ND | | mg/kg | 0.13 | 0.020 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|------------------|-----------|-----------|------------------------|
| Nitrobenzene-d5 | 77 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 30-120 |
| 4-Terphenyl-d14 | 81 | | 18-120 |

Lab Control Sample Analysis Batch Quality Control

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1579872-2 WG1579872-3 | | | | | | | | |
| Naphthalene | 64 | | 63 | | 40-140 | 2 | | 50 |
| Fluorene | 71 | | 74 | | 40-140 | 4 | | 50 |
| Phenanthrene | 68 | | 71 | | 40-140 | 4 | | 50 |
| Anthracene | 68 | | 72 | | 40-140 | 6 | | 50 |
| Pyrene | 71 | | 73 | | 35-142 | 3 | | 50 |
| Benzo(a)anthracene | 72 | | 72 | | 40-140 | 0 | | 50 |
| Chrysene | 68 | | 67 | | 40-140 | 1 | | 50 |
| Benzo(b)fluoranthene | 72 | | 69 | | 40-140 | 4 | | 50 |
| Benzo(a)pyrene | 64 | | 64 | | 40-140 | 0 | | 50 |
| Benzo(ghi)perylene | 72 | | 72 | | 40-140 | 0 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|------------------|------------------|------|-------------------|------|------------------------|
| Nitrobenzene-d5 | 72 | | 73 | | 23-120 |
| 2-Fluorobiphenyl | 67 | | 68 | | 30-120 |
| 4-Terphenyl-d14 | 72 | | 73 | | 18-120 |



INORGANICS & MISCELLANEOUS

Project Name: PES REFINERY-860 RELEASE**Lab Number:** L2165357**Project Number:** 200.00135.005.03**Report Date:** 12/13/21**SAMPLE RESULTS**

Lab ID: L2165357-01

Date Collected: 11/29/21 10:00

Client ID: HARTRANFT-10TH-CONF-SOIL-1-2021-11-29

Date Received: 11/29/21

Sample Location: PHILADELPHIA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 79.3 | | % | 0.100 | NA | 1 | - | 12/01/21 08:41 | 121,2540G | RI |



Project Name: PES REFINERY-860 RELEASE**Lab Number:** L2165357**Project Number:** 200.00135.005.03**Report Date:** 12/13/21**SAMPLE RESULTS**

Lab ID: L2165357-02

Date Collected: 11/29/21 10:20

Client ID: HARTRANFT-10TH-CONF-SOIL-2-2021-11-29

Date Received: 11/29/21

Sample Location: PHILADELPHIA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 85.0 | | % | 0.100 | NA | 1 | - | 12/01/21 08:41 | 121,2540G | RI |



Project Name: PES REFINERY-860 RELEASE**Lab Number:** L2165357**Project Number:** 200.00135.005.03**Report Date:** 12/13/21**SAMPLE RESULTS**

Lab ID: L2165357-03

Date Collected: 11/29/21 10:50

Client ID: HARTRANFT-10TH-CONF-SOIL-3-2021-11-29

Date Received: 11/29/21

Sample Location: PHILADELPHIA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 92.3 | | % | 0.100 | NA | 1 | - | 12/01/21 08:41 | 121,2540G | RI |



Project Name: PES REFINERY-860 RELEASE**Lab Number:** L2165357**Project Number:** 200.00135.005.03**Report Date:** 12/13/21**SAMPLE RESULTS**

Lab ID: L2165357-04

Date Collected: 11/29/21 11:00

Client ID: HARTRANFT-10TH-CONF-SOIL-4-2021-11-29

Date Received: 11/29/21

Sample Location: PHILADELPHIA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 88.2 | | % | 0.100 | NA | 1 | - | 12/01/21 08:41 | 121,2540G | RI |



Project Name: PES REFINERY-860 RELEASE**Lab Number:** L2165357**Project Number:** 200.00135.005.03**Report Date:** 12/13/21**SAMPLE RESULTS**

Lab ID: L2165357-05

Date Collected: 11/29/21 11:05

Client ID: HARTRANFT-10TH-CONF-SOIL-5-2021-11-29

Date Received: 11/29/21

Sample Location: PHILADELPHIA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 92.0 | | % | 0.100 | NA | 1 | - | 12/01/21 08:41 | 121,2540G | RI |



Project Name: PES REFINERY-860 RELEASE**Lab Number:** L2165357**Project Number:** 200.00135.005.03**Report Date:** 12/13/21**SAMPLE RESULTS**

Lab ID: L2165357-06

Date Collected: 11/29/21 11:15

Client ID: HARTRANFT-10TH-CONF-SOIL-6-2021-11-29

Date Received: 11/29/21

Sample Location: PHILADELPHIA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 94.9 | | % | 0.100 | NA | 1 | - | 12/01/21 08:41 | 121,2540G | RI |



Lab Duplicate Analysis

Batch Quality Control

Project Name: PES REFINERY-860 RELEASE

Project Number: 200.00135.005.03

Lab Number: L2165357

Report Date: 12/13/21

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1577527-1 QC Sample: L2165357-01 Client ID: HARTRANFT-10TH-CONF-SOIL-1-2021-11-29 | | | | | | |
| Solids, Total | 79.3 | 80.8 | % | 2 | | 20 |

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Serial_No:12132112:13
Lab Number: L2165357
Report Date: 12/13/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------|
| L2165357-01A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | HOLD-8260HLW(14) |
| L2165357-01B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-01C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-01D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L2165357-01E | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.3 | Y | Absent | | HOLD-METAL(180) |
| L2165357-01F | Glass 120ml/4oz unpreserved | A | NA | | 3.3 | Y | Absent | | PA-PAH(14) |
| L2165357-02A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | HOLD-8260HLW(14) |
| L2165357-02B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-02C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-02D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L2165357-02E | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.3 | Y | Absent | | HOLD-METAL(180) |
| L2165357-02F | Glass 120ml/4oz unpreserved | A | NA | | 3.3 | Y | Absent | | PA-PAH(14) |
| L2165357-03A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | HOLD-8260HLW(14) |
| L2165357-03B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-03C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-03D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L2165357-03E | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.3 | Y | Absent | | HOLD-METAL(180) |
| L2165357-03F | Glass 120ml/4oz unpreserved | A | NA | | 3.3 | Y | Absent | | PA-PAH(14) |
| L2165357-04A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | HOLD-8260HLW(14) |
| L2165357-04B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-04C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-04D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L2165357-04E | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.3 | Y | Absent | | HOLD-METAL(180) |

*Values in parentheses indicate holding time in days



Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Serial_No:12132112:13
Lab Number: L2165357
Report Date: 12/13/21

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------|
| L2165357-04F | Glass 120ml/4oz unpreserved | A | NA | | 3.3 | Y | Absent | | PA-PAH(14) |
| L2165357-05A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | HOLD-8260HLW(14) |
| L2165357-05B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-05C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-05D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L2165357-05E | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.3 | Y | Absent | | HOLD-METAL(180) |
| L2165357-05F | Glass 120ml/4oz unpreserved | A | NA | | 3.3 | Y | Absent | | PA-PAH(14) |
| L2165357-06A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | HOLD-8260HLW(14) |
| L2165357-06B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-06C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 30-NOV-21 09:11 | HOLD-8260HLW(14) |
| L2165357-06D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L2165357-06E | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.3 | Y | Absent | | HOLD-METAL(180) |
| L2165357-06F | Glass 120ml/4oz unpreserved | A | NA | | 3.3 | Y | Absent | | PA-PAH(14) |

Project Name: PES REFINERY-860 RELEASE**Lab Number:** L2165357**Project Number:** 200.00135.005.03**Report Date:** 12/13/21

GLOSSARY

Acronyms

| | |
|----------|--|
| DL | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LOD | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| LOQ | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| NR | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Report Format: DU Report with 'J' Qualifiers

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: PES REFINERY-860 RELEASE
Project Number: 200.00135.005.03

Lab Number: L2165357
Report Date: 12/13/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE / OF /

Project Information

Project Name: PES Refinery - 860 Release

Project Location: Philadelphia, PA

Project #: 200.00135.005.03

Project Manager: William Schmidt

ALPHA Quote #: 13161

Turn-Around Time

Standard Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Westborough, MA Mansfield, MA
 TEL: 508-898-9220 TEL: 508-822-9300
 FAX: 508-898-9193 FAX: 508-822-3288

Client Information

Client: Ransom Consulting, LLC

Address: 2127 Hamilton Avenue

Trenton, NJ 08619

Phone: 215-901-4974

Fax:

Email: William.Schmidt@ransomenv.com

These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Report only project-specific (PADEP SVOC) analyte list per attached

Email results to edd@terraphase.com, William.Schmidt@ransomenv.com, and jjeray@hilcoglobal.com

Date Rec'd in Lab: 1 11/30/21

ALPHA Job #: L2163357

Report Information Data Deliverables

FAX EMAIL
 ADEx Add'l Deliverables

Billing Information

Same as Client info PO #: 3894

Regulatory Requirements/Report Limits

State/Fed Program Criteria

ANALYSIS

| PADEP Shortlist 1-5 (SVOC Portion) | | | | | | | | | | | | | | | | |
|------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | | | | | | | | | | | | | |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

SAMPLE HANDLING
 Filtration
 Done
 Not Needed
 Lab to do
 Preservation
 Lab to do
 (Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection | | Sample Matrix | Sampler's Initials |
|--------------------------------|--------------------------------------|------------|------|---------------|--------------------|
| | | Date | Time | | |
| 65357-01 | Hartranft-10th-CONF-SOIL-1-204-4-29 | 11/28 | 1000 | S | TS |
| -02 | Hartranft-10th-CONF-SOIL-2-204-11-25 | 11/28 | 1020 | S | TS |
| -03 | Hartranft-10th-CONF-SOIL-3-204-11-25 | 11/28 | 1050 | S | TS |
| -04 | Hartranft-10th-CONF-SOIL-4-204-11-25 | 11/28 | 1100 | S | TS |
| -05 | Hartranft-10th-CONF-SOIL-5-204-11-25 | 11/28 | 1105 | S | TS |
| -06 | Hartranft-10th-CONF-SOIL-6-204-11-25 | 11/28 | 1115 | S | TS |

| | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Relinquished By: *[Signature]* Date/Time: 11/29/21 17:00
 Received By: *[Signature]* Date/Time: 11/29/21 16:50
 Paul Mazzeo 11/30/21 00:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.