UST DECOMMISSIONING AND SOIL MATRIX CLOSURE REPORT

Beef Northwest
3455 Victorio Road, Nyssa, OR 97913
Facility #2174 , LUST # 23-25-0055

April 10, 2025

Prepared For:

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1.0 INTRODUCTION

Martin S. Burck Associates (MSBA) prepared the following report regarding the decommissioning of an underground storage tank (UST) at the Beef Northwest property referenced above. The location of the site is illustrated on Figure 1. The general site features including the location of the UST, product piping, and dispenser are illustrated on Figure 2. In January 2025, MSBA directed the decommissioning of a partitioned UST containing diesel fuel and performed compliance soil sampling activities. A release of diesel was detected by laboratory analysis and a Soil Matrix evaluation was completed to determine the applicable Soil Matrix Cleanup Standard (SMCS). Based on the results of this work, MSBA has determined that the site complies with the UST decommissioning and Soil Matrix Cleanup standards under Oregon Administrative Rules (OARs) OAR 340-122-0320 through OAR 340-122-0360 and no further action is required.

UST decommissioning and sampling activities were performed in general accordance with the Oregon Department of Environmental Quality (DEQ) *UST Cleanup Manual* (USTCM), updated May 2009; the American Petroleum Institute (API) Recommended Practice 1604 *Closure of Underground Storage Tanks*, March 1996; and the MSBA Field Methods and Procedures presented as Appendix A.

1.1 Site Description and Background

The site currently operates as a large-scale feedlot located within Township 19 South, Range 46 East, Section 21 on Malheur County Tax Lot 4200, Map #19S46E04700. The site elevation is approximately 2,635 feet (Google Earth). The topography at the site (Figure 1) slopes downward to the northeast. The site is surrounded by agricultural land in all directions.

The site operates under DEQ UST facility number 2174 due to the presence of a UST (Figure 2). The UST is partitioned and includes one 10,000-gallon diesel and one 2,000-gallon diesel compartment. The 10,000-gallon compartment containing diesel was connected to a boiler to the north via an approximate 120-foot section of copper product piping (Product Line 1). The 2,000-gallon compartment containing diesel was connected to a dispenser to the south by an approximate 30-foot section of single-walled fiberglass product piping (Product Line 2).

1.2 General Geologic Setting

The United States Department of Agriculture soil survey lists the site within the Elijah Silt Loam unit. The typical soil profile for the unit is silt loam from the surface to 0.6 foot below surface grade (bsg), silty clay loam from 0.6 foot bsg to 1.8 feet bsg, loam from 1.8 feet bsg to 2.5 feet bsg, cemented material from 2.5 feet bsg to 3.4 feet bsg, and fine sandy loam from 3.4 feet bsg to 5 feet bsg and greater. During the subsurface investigation activities, MSBA primarily observed silt underlain by semi-cemented silt to the maximum explored depth of 15.5 feet bsg. Based on a review of water well reports obtained from the Oregon Water Resources Department, the anticipated depth to groundwater beneath the site is 223 feet bsg or greater. The anticipated groundwater flow direction is toward the northeast based on surface topography.

1.3 Soil Matrix Evaluation

MSBA evaluated site-specific criteria to establish a Soil Matrix score for the site. Based on the soil type (silt), average annual rainfall (< 20 inches), number and proximity of potential receptors (medium), and assumptions regarding the depth to groundwater (> 100 feet) and local groundwater use (sole source), MSBA arrived at a Soil Matrix score of 22 with a resultant Level III SMCS of 1,000 ppm for the combined concentration of diesel and oil. The Soil Matrix Checklist and Soil Matrix Score Sheet are presented in Appendix B.

2.0 UNDERGROUND STORAGE TANK DECOMMISSIONING AND SAMPLING

The following presents a summary of the decommissioning and compliance soil sampling activities performed on January 28th and 29th, 2025. Groundwater was not encountered during the decommissioning or compliance soil sampling activities.

2.1 Underground Storage Tank Decommissioning

On January 28 and 29, 2025, the UST, product lines, and dispenser were decommissioned by removal. The results of this work were previously reported in the *Underground Storage Tank Decommissioning Checklist and Site Assessment Report*, dated February 19, 2025. During decommissioning, MSBA field screened the overburden soil for indications of PHCs, which were not observed or detected using a photoionization detector (PID) with 10.6 eV lamp. MSBA also field screened the native soil from the sidewalls and bottom of the UST cavity for indications of

PHCs, which were not observed or detected by the PID. Minor indications of PHCs were detected by the PID beneath the diesel dispenser and at the north end of Product Line 1 (Figure 2).

2.2 Surface Spill and Cleanup

While moving the dispenser sump, approximately 2 gallons of diesel product was spilled onto the ground surface east of the dispenser (Figure 2). Soil containing PHCs was removed from the surface spill area to an approximate depth of 0.5 foot bsg where PHCs were no longer observed or detected using a PID. The soil was stockpiled on, and covered with, 6-mil plastic pending disposal at an approved landfill. Soil sample ***SP-1*** was collected from the stockpile to characterize the waste. A copy of the laboratory report is presented in Appendix C. After obtaining authorization, 3.15 tons of soil containing PHCs were transported to Clay Peak Landfill in Payette, Idaho for disposal. Documentation for the disposal of soil is presented in Appendix D.

2.3 Compliance Soil Sampling and Analytical Results

A total of twelve compliance soil samples were collected during the UST decommissioning, including three samples from the native soil beneath the middle and each end of the UST (***N-12***, ***Mid-13.5***, and ***S-15.5***), seven samples from the native soil beneath Product Line 1 (***PL1-1-3.5***, ***PL1-2-3.5***, ***PL1-3-3.5***, ***PL1-4-2.5***, ***PL1-5-3.5***, ***PL1-6-3***, and ***PL1-7-2.5***), one sample from the overburden soil beneath Product Line 2 (***PL2-1-3.5***), and one sample from the native soil beneath the dispenser (***D1-5***). The soil sample locations are illustrated on Figure 2.

The twelve compliance soil samples were submitted to Eurofins Environment Testing of Spokane, Washington (Eurofins) for hydrocarbon identification using method NWTPH-HCID. The HCID results are presented in Table 1 and illustrated on Figure 2. Diesel range hydrocarbons were detected in samples ***PL1-7-2.5*** and ***PL2-1-3.5*** and were not detected in the remaining samples. Gasoline and oil range hydrocarbons were not detected in any of the samples. A copy of the laboratory analytical report is presented in Appendix C. The release was reported to DEQ and Leaking Underground Storage Tank (LUST) number 23-25-0055 was assigned.

Based on the NWTPH-HCID sample results and field screening, compliance soil samples ***PL1-7-2.5***, ***PL2-1-3.5***, and ***D1-5*** were analyzed for diesel and oil using method NWTPH-Dx. Compliance sample ***N-12*** was also analyzed for diesel and oil due to its location beneath sample ***PL2-1-3.5***. The diesel and oil results are presented in Table 1 and illustrated on Figure 2. Diesel was detected in all four samples at concentrations ranging from 13 ppm (***D1-5***) to 3,800 ppm (***PL2-1-3.5***). Oil was only detected in two of the four samples at concentrations of 88 ppm (***PL1-7-2.5***) and 260 ppm (***PL2-1-3.5***). The combined diesel and oil concentration for sample ***PL2-1-3.5*** (4,060 ppm) exceeds the site-specific SMCS (1,000 ppm) and the remaining combined diesel and oil concentrations were well below the SMCS. Copies of the laboratory analytical reports are presented in Appendix C. PHCs were not observed or detected by the PID while removing

overburden soil to expose the tank, including the soil at sample location ***PL2-1-3.5***. Since indications of PHC's were not apparent, all overburden soil was excavated and placed in two stockpiles on each side of the UST cavity (Figure 2).

2.4 Overburden Stockpile Soil Sampling and Analytical Results

On February 12, 2025, in response to the detection of diesel in sample ***PL2-1-3.5***, MSBA field screened the stockpiled overburden soil for indications of PHCs and collected eight representative soil samples (***SP-2*** through ***SP-9***) for laboratory analysis. The sample locations are illustrated on Figure 2. Indications of PHCs were observed and detected by the PID in soil represented by stockpile samples ***SP4*** and ***SP-5*** and were not observed or detected by the PID in the remaining samples. The soil represented by samples ***SP-4*** and ***SP-5*** was removed and stockpiled separately on, and covered with, 6-mil plastic pending laboratory analysis.

Discrete stockpile soil samples ***SP-4*** and ***SP-5*** and composite stockpile soil samples ***SP-2 & 3 Lab Composite***, ***SP-6 & 7 Lab Composite***, and ***SP-8 & 9 Lab Composite*** were submitted to Eurofins for analysis of diesel and oil using method NWTPH-Dx. The diesel and oil results are presented in Table 1 and illustrated on Figure 2. Diesel was detected at concentrations ranging from 25 ppm in sample ***SP-2 & 3 Lab Composite*** to 780 ppm in ***SP-4*** and was not detected in sample ***SP-6 & 7 Lab Composite***. Oil was detected at 24 ppm in sample ***SP-4***, 6.3 ppm in sample ***SP-5***, and was not detected in the remaining samples. The maximum combined diesel and oil concentration of 804 ppm (***SP-4***) is below the site-specific SMCS of 1,000 ppm. A copy of the laboratory analytical report is presented in Appendix C.

Based on 1) the relatively low to non-detect diesel and oil concentrations in the stockpiled soil, 2) the low to non-detect concentrations at the bottom of the UST cavity (beneath Product Line 2), and 3) the absence of PHCs based on field screening with the PID throughout the UST cavity during decommissioning, MSBA determined that the detected concentration of diesel at sample ***PL2-1-3.5*** was an anomaly or represents a de minimis volume of soil. In addition, MSBA determined that aeration during excavation and stockpiling likely also facilitated attenuation of the residual PHCs. Therefore, MSBA concluded that the stockpiled soil from the UST cavity was in compliance with the SMCS and was suitable for reuse as backfill within the UST cavity. On February 25, 2025, DEQ concurred and authorized MSBA to backfill the tank cavity with the stockpiled soil.

3.0 RESULTS DISCUSSION AND CLOSURE RECOMMENDATION

The combined diesel and oil concentration from sample ***PL2-3.5*** (4,060 ppm) collected from the UST cavity overburden soil beneath Product Line 2 exceeded the applicable SMCS (1,000 ppm). However, based on 1) the relatively low to non-detect diesel and oil concentrations in the stockpiled soil, 2) the low to non-detect concentrations at the bottom of the UST cavity (beneath Product Line 2), and 3) the absence of PHCs based on field screening with the PID throughout the UST cavity during decommissioning, MSBA determined that the detected concentration of diesel at sample ***PL2-1-3.5*** was an anomaly or represents a de minimis volume of soil. In addition, MSBA determined that aeration during excavation and stockpiling likely also facilitated attenuation of the residual PHCs. Based on these circumstances, MSBA determined that the site is in compliance with the applicable Soil Matrix Cleanup requirements under OAR 340-122-0320 through OAR 340-122-0360 and that no additional investigations or corrective actions are warranted. Therefore, MSBA recommends a no further action (NFA) determination for the site.

4.0 REMARKS AND SIGNATURES

The information/conclusions/recommendations contained in this report were arrived at in accordance with currently accepted professional geological and environmental practices at this time and location. No warranties are expressed or implied. This report was prepared solely for Beef Northwest. MSBA is not responsible for the independent conclusions or actions of others derived from the information presented herein.

Information and opinions presented in this report are based on the collection and review of data from limited portions of the site subsurface. MSBA is not responsible for conditions that may exist in portions of the site that were not investigated, for conditions that were not reported or properly presented to MSBA, and for future activities or investigations that may alter the current condition or understanding of the site.

Martin S. Burck Associates, Inc.

Prepared By:

Jon White — 4/10/25

Jon White — Date
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Reviewed by:

Martin S. Burck — 4/10/25

Martin S. Burck, LG/RG — Date
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Expires: 3/1/2025

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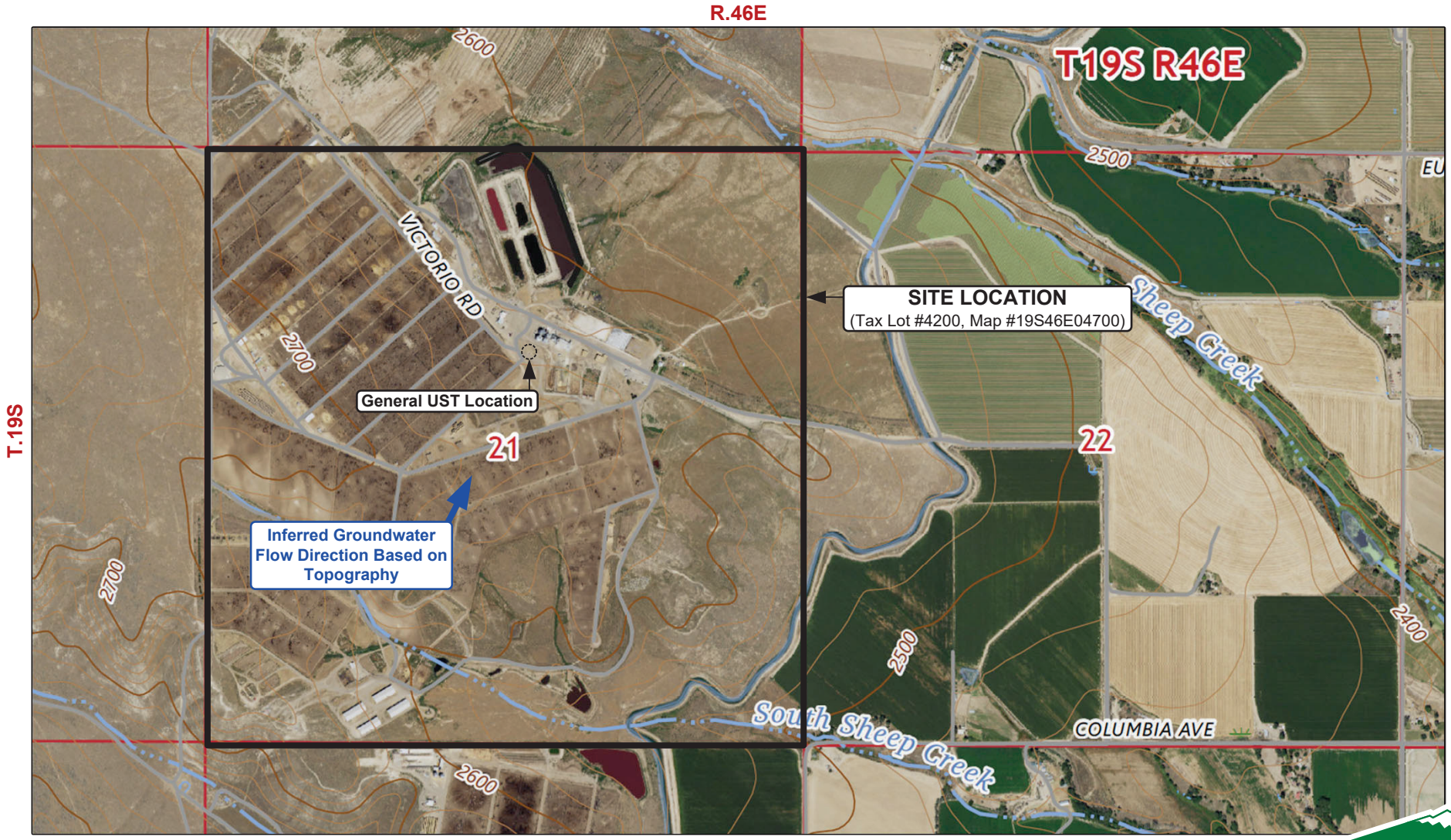
Figures



Adapted from: Cairo Quadrangle, Oregon
USGS Topographic Map, 2023
7.5 Minute Series, Contour Interval 20 feet
North American Vertical Datum of 1988

Revised: 4/10/2025 11:40 AM

0 1/4 1/2

Approximate Scale (mile)

NORTH

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FIGURE 1

SITE LOCATION MAP

Beef Northwest
3455 Victorio Rd, Nyssa, OR 97913
DEQ LUST # 23-25-0055

Adapted from Google Earth Imagery (Imagery Date: 9/28/15)

LEGEND

D1-5	Soil Sample Location and ID
HCID ND	Hydrocarbon Identification (NWTPH-HCID); G = Gasoline; D = Diesel; O = Oil (listed only if detected); ND = None Detected
D 13	Diesel Concentration (NWTPH-Dx) (ppm)
O < 5.9	Oil Concentration (NWTPH-Dx) (ppm)
Bold Text	Indicates Analyte Was Detected Above the Laboratory Reporting Limit
<	Not Detected Above the Laboratory Reporting Limit, as Listed
------	Product Line

NORTH

0 10 20

Approximate Scale (feet)

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FIGURE 2

SITE PLAN &

Table

TABLE 1
SOIL SAMPLE ANALYTICAL DATA

Beef Northwest
3455 Victorio Road
Nyssa, Oregon 97913
DEQ LUST # 23-25-0055

Sample ID	Sample Date	Sample Depth [a]	PHCs [b] (ppm) [c]		
			Hydrocarbon Identification (HCID) [d]	Diesel	Oil
UST Decommissioning Complinace Soil Samples					
N-12	1/29/25	12.0	nd	**33** [e]	< 6.2 [f]
Mid-13.5	1/29/25	13.5	nd	- [g]	-
S-15.5	1/29/25	15.5	nd	-	-
D1-5	1/28/25	5.0	nd	**13**	< 5.9
PL1-1-3.5	1/28/25	3.5	nd	-	-
PL1-2-3.5	1/29/25	3.5	nd	-	-
PL1-3-3.5	1/29/25	3.5	nd	-	-
PL1-4-2.5	1/29/25	2.5	nd	-	-
PL1-5-3.5	1/29/25	3.5	nd	-	-
PL1-6-3	1/29/25	3.0	nd	-	-
PL1-7-2.5	1/29/25	2.5	D	**130**	**88**
PL2-1-3.5	1/28/25	3.5	D	**3,800**	**260**
UST Cavity Overburden Stockpile Soil Samples					
SP-2 & 3 Lab Composite	2/12/25	-	-	**25**	< 5.9
SP-4	2/12/25	-	-	**780**	**24**
SP-5	2/12/25	-	-	**58**	**6.3**
SP-6 & 7 Lab Composite	2/12/25	-	-	< 5.2	< 6.2
SP-8 & 9 Lab Composite	2/12/25	-	-	**33**	< 6.3
DEQ Soil Matrix Cleanup Levels					
Level III			-	1,000	

a Depth of sample in feet below surface grade (bsg)
b Petroleum hydrocarbons (PHCs) were analyzed using NWTPH-HCID (hydrocarbon identification) and NWTPH-Dx (diesel and oil)
c Analytical results reported in parts per million (ppm)
d Hydrocarbon Identification analyzed using NWTPH method HCID. "G" denotes gasoline hydrocarbon detection, "D" denotes diesel hydrocarbon detection, "O" denotes heavy oil hydrocarbon detection, and "nd" indicates PHCs were not detected
e Bold value indicates analyte concentration exceeded laboratory reporting limit
f (<) Analyte concentration not detected above the laboratory reporting limit, as listed
g (-) Not analyzed / not applicable

\\msba-host\shared\Project Files\Beef NW - Nyssa\Tables\[T 1 Soil Analytical Data.xlsx]Main Table

Appendix A

Field Methods and Procedures

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FIELD METHODS AND PROCEDURES

General Field Methods and Procedures

The following section presents the general methods and procedures that are utilized to complete field activities. These activities include advancing borings and collecting soil and groundwater samples for laboratory analyses. Samples are collected, preserved, and transported for analysis in general accordance with DEQ methodology as presented in OAR 340-122-345 "Sample Collection Methods," and OAR 340-122-218 “Sampling and Analysis.” If not specified by current DEQ regulations, sampling and analytical methods are implemented in general accordance with EPA protocol and/or commonly accepted industry standards for this time and place.

Utility Locating

Utilities, including overhead and underground, are identified and located prior to conducting work at the site. For overhead utilities, a safe minimum working distance is maintained with all sampling equipment dependant on the activity. For drilling or direct push equipment, a minimum 15-20 foot buffer is recommended. For other work such as excavation by backhoe, hand augering, hand probing, etc., a minimum distance is maintained such that the sampling equipment cannot come in contact with the utilities.

Underground utilities are located by contacting Utility Notification Center (UNC) for all underground sampling, excavation, and all other activities performed below the surface. The notification is performed at least 48 hours in advance of the work or as required by local laws and regulations to allow sufficient time for marking of the affected utilities. When warranted, MSBA will arrange on-site meetings with the contracted locators for the utilities to resolve any issues of proximity to the planned work.

In addition to contacting the UNC, MSBA may also perform one or more of the following activities intended to help prevent incidental contact with underground utilities during subsurface activities.

1) **Field Observation**: MSBA observes the site and surroundings for any signs of overhead and/or underground utilities.

2) **Private Utility Locate**: MSBA may contract with private utility locators if warranted to provide additional clarification of potential utilities and their locations.

3) **Hand Clearing**: MSBA may clear up to a maximum of the first five feet of subsurface soil for potential underground utilities by hand digging, hand augering, or air knifing.

Grab Soil Sampling

Grab soil samples are collected by hand or using a decontaminated shovel or hand trowel directly from surface/shallow soil or the sidewalls/base of a test pit or excavation area up to a depth of 4 feet below surface grade (bsg). At depths deeper than 4 feet bsg, soil samples are collected from an excavator bucket. The excavator bucket may be decontaminated prior to sampling. Just prior to collecting each sample, several inches of soil are removed exposing a fresh surface to be sampled. Soil samples are collected with a minimum amount of disturbance.

Soil samples are placed into laboratory provided wide-mouth glass jars, leaving as little headspace as possible. Soil samples are also collected in 40 milliliter (ml) volatile organic analysis (VOA) EPA method 5035 vials with a preservative. The jar is immediately sealed firmly with a Teflon-lined screw cap. After the samples are properly sealed, they are placed in an ice chest with ice and maintained at a temperature of 4° C (+/- 2° C) until preparation for analysis by the laboratory. Soil samples are analyzed within the laboratory designated hold times.

Disposable latex gloves are worn by the sampler and discarded after each sample. Sampling equipment is thoroughly cleaned and decontaminated between sampling events to help eliminate the potential for cross-contamination between samples. Each sample is clearly labeled with a unique name. A written record is maintained which includes, but is not limited to, the date, time, and location where the sample is collected, and any conditions which may have affected the sample integrity.

Drilling Method and Soil Sampling

Subsurface explorations are completed using drilling equipment operated by a licensed drilling subcontractor. The drilling method is selected based on the anticipated subsurface conditions. In general, push-probe or hollow-stem methods are utilized for softer silty soils and sonic or air-rotary methods are utilized for harder, rocky conditions. An MSBA representative oversees and directs the explorations and obtains all soil and groundwater samples.

Soil samples are collected by MSBA and placed into laboratory provided wide-mouth glass jars, leaving as little headspace as possible. Soil samples are also collected in 40 ml VOA EPA method 5035 vials with a preservative. The jar is immediately sealed firmly with a Teflon-lined screw cap. After the samples are properly sealed, they are placed in an ice chest with ice and maintained at a temperature of 4° C (+/- 2° C) until preparation for analysis by the laboratory. Soil samples are analyzed within the laboratory designated hold times.

Disposable latex gloves are worn by the sampler and discarded after each sample. Sampling equipment is thoroughly cleaned and decontaminated between sampling events to help eliminate the potential for cross-contamination between samples. Each sample is clearly labeled with a unique name. A written record is maintained which includes, but is not limited to, the date, time, and location where the sample is collected, and any conditions which may have affected the sample integrity. The soil type and other pertinent information is recorded on a field Soil Boring Log (see attached).

Hand Auger Soil Boring and Sampling

Auger borings are advanced by hand. Samples of soil are collected directly from the barrel of the auger at the target depth or as warranted based on observed conditions. A written record is maintained which includes, but is not limited to, the date, time, and location where the sample is collected, and any unusual conditions which may affect the sample integrity.

Soil samples are collected by MSBA and placed into laboratory provided wide-mouth glass jars, leaving as little headspace as possible. Soil samples are also collected in 40 ml VOA EPA method 5035 vials with a preservative. The jar is immediately sealed firmly with a Teflon-lined screw cap. After the samples are properly sealed, they are placed in an ice chest with ice and maintained at a temperature of 4° C (+/- 2° C) until preparation for analysis by the laboratory. Soil samples are analyzed within the laboratory designated hold times.

Disposable latex gloves are worn by the sampler and discarded after each sample. Sampling equipment is thoroughly cleaned and decontaminated between sampling events to help eliminate the potential for cross-contamination between samples. Each sample is clearly labeled with a unique name. A written record is maintained which includes, but is not limited to, the date, time, and location where the sample is collected, and any conditions which may have affected the sample integrity. The soil type and other pertinent information is recorded on a field Soil Boring Log (see attached).

Soil Field Screening Methods

Field screening methods consist of visual observations, water sheen screening, and/or headspace vapor screening using a MiniRAE photoionization detector (PID). Visual screening methods include observations of staining, discoloration, and other indicators of petroleum. Water sheen screening involves placing a small amount of soil into water and making observations of any sheens. Water sheen classifications are made as follows:

No Sheen:	No visible sheen on the water surface.
Slight Sheen:	Faint and dull sheen with no color; dissipates quickly. Naturally occurring organic matter may produce a slight sheen.
Moderate Sheen:	May have some color or iridescence; spread of sheen is irregular to flowing; most of water surface covered with sheen.
Heavy Sheen:	Obvious color and iridescence; spread is rapid; entire water surface may be covered with sheen.

Headspace vapor screening is conducted by creating a small hole in the soil core or placing a small portion of soil into a Zip-Loc bag and sealing it shut. The probe of the PID is inserted into the soil core. The soil sample within the bag is allowed to volatilize and the probe of the PID is inserted into the bag. The reported accuracy of a MiniRAE PID is 10% discrepancy at concentrations between 1 and 2,000 ppm and 20% discrepancy at concentrations greater than 2,000 ppm. The PID is calibrated in accordance with the manufacturer recommended procedures prior to each day of use.

Temporary Well Installation

Following completion of the soil borings, temporary wells may be installed to allow for groundwater level monitoring and sample collection. Following completion of the groundwater level monitoring and sampling, the temporary well is abandoned within 72 hours in accordance with the Oregon Water Resources Department standards.

Well Development

Following installation, the temporary wells are developed to remove fines and to enhance the recharge and representative quality of water if sufficient water column and recharge is present. The development is performed using a bailer or pump (peristaltic or submersible). The well may be surged prior to development. Well development continues until the discharge is relatively sediment free. Well development may be discontinued if there is insufficient recharge.

Monitoring Well Elevation Survey

The top of each well casing is surveyed to within plus or minus (+/-) 0.01-foot relative to a common temporary benchmark. A temporary benchmark is designated with an assumed elevation relative to the approximate surface elevation above mean sea level (msl). The surveyed locations are marked on each casing for future reference and measuring. The purpose of the survey is to allow precise correlation of measured groundwater levels between each of the wells at the site. The survey information is recorded on a Site Survey Data sheet (see attached).

Groundwater Level Monitoring

The depth to groundwater (water level) is measured with an electronic, hand-held, water level indicator. The probe of the indicator is lowered in the well until contact with groundwater completes a circuit causing a buzzer to activate. The depth to water, measured from the surveyed point at the top of the well casing, is read directly from a graduated cord attached to the probe with marked increments of 0.01-foot. The measurements are recorded on a Groundwater Level Data sheet (see attached).

If present, free product thickness in a well is measured with an electronic, hand-held oil/water interface probe. The oil/water interface probe is lowered into the well until contact with fluids initiates a signal tone. An intermittent tone indicates water and a continuous tone indicates product. A measuring tape in increments of 0.01-foot is attached to the probe and is used to measure thickness of product in a well.

Groundwater Sampling

Prior to collecting a sample for laboratory analysis, the depth to water is measured and the wetted casing length and corresponding well volume is calculated. A minimum of three well volumes of groundwater is then purged with a bailer, submersible pump or peristaltic pump to remove potentially stagnant groundwater and allow the surrounding formation water to enter the well for sampling. During the purging process, the pH, conductivity, and turbidity may be monitored until these parameters are stabilized to confirm that representative formation water is collected for analysis. Stable parameters are generally defined by three successive readings within plus or minus 0.1 for pH, 3 percent for conductivity, and 10 percent for turbidity. Parameter stabilization is typically achieved in less than three well volumes.

After purging, a groundwater sample is collected when the water level in the well has recharged to within 85 percent of the initial static water level. If the desired amount of recharge is not achieved within a period of 60 minutes, the sample is collected and the deficient water level is recorded. If the water column does not contain sufficient volume, the sample may be collected incrementally as recharge allows. The sample is collected from the well using a bailer, submersible pump, or peristaltic pump with dedicated tubing, under low flow conditions to minimize the loss of volatile components, if present.

The groundwater is transferred into laboratory provided 40 ml glass VOA vials, one liter amber glass jars, and 250 ml polyethylene bottles. Some containers may contain a preservative. The type of container, and whether or not it is preserved, is determined by the type of laboratory analysis to be performed. Groundwater samples collected in VOAs are transferred with minimal agitation and sealed with Teflon-lined septum lids so that no head space is present. Samples collected in VOA vials are submitted for volatile organic compound (VOC) analysis. The vials may contain 2-5 drops of dilute HCL as a preservative increasing the sample hold time from 7 to 14 days. Groundwater samples are collected in preserved or non-preserved one liter amber glass jars for analysis of non-volatile petroleum constituents. Groundwater samples are collected in non-preserved 250 ml polyethylene bottles for analysis of metals. Samples collected for analysis of dissolved metals are filtered in the field to remove 0.45 micron size particles or immediately upon receipt by the laboratory. Samples collected for analysis of total metals are not filtered. Groundwater purge and sample data is recorded on a Groundwater Purge and Sample Data sheet (see attached). After the samples are properly sealed, they are placed immediately in an ice chest with ice and maintained at a temperature of 4° C (+/- 2° C) until being prepared by the laboratory for analysis.

Subslab/Soil Vapor and Air Sampling Procedures

Soil vapor, subslab vapor, and air samples are collected in general accordance with The Interstate Technology and Regulatory Council Vapor Intrusion Team guidance document titled, *Vapor Intrusion, Fundamentals of Screening, Investigation, and Management*, dated October 2014, and the Oregon Department of Environmental Quality (DEQ) guidance document titled, *Guidance for Assessing and Remediating Vapor Intrusion in Buildings* (GARVIB) dated March 25, 2010.

Subslab Vapor Sample Point Location and Installation

Upon entry to each building, MSBA inspects concrete floor to the extent possible based on exposure, for significant features including cracks, holes, and penetrations that may allow ambient air to compromise sample integrity. Any observed significant features are documented in the field notes and the sample data sheets as supplemental information. Floor coverings may prevent observation of significant features. Prior to drilling through the slab, MSBA evaluates potential conflicts with utilities and may retain a private utility locating company, as needed.

A rotary hammer drill is used to create a 1-inch diameter sample collection hole that penetrates the slab and approximately 1 to 2 inches of subslab material. A stainless steel vapor point is connected to Teflon tubing and placed just beneath the bottom of the slab. Filter sand is placed in the void around the vapor point to just above the bottom of the slab. A 0.25 to 0.5 inch layer of granulated bentonite is placed above the sand but not hydrated. Portland cement or bentonite slurry is used to seal the remainder of the borehole to the surface. MSBA will allow sufficient time for subslab equilibration prior to sampling, typically 45 to 60 minutes.

Soil Vapor Sampling Point Installation - Hand-Operated Push Probe

Soil vapor sample points are installed in temporary borings advanced using a 3/4-inch diameter, hand-driven push probe. Typically, the push probe is advanced and soil vapor samples are collected at a depth of 5 feet bsg; however, high groundwater conditions may warrant shallower sampling depths. The probe is generally fitted with either a retractable or dedicated screened slotted vapor sample attachment depending on subsurface conditions. A Teflon tube extends from the sample attachment to the surface. When using the dedicated tip, the following procedure is observed: 1) filter sand is placed in the borehole from 5 feet to 4 feet bsg; 2) a 0.5-inch granulated bentonite barrier is placed on the sand and not hydrated; and 3) a bentonite/cement slurry is used to seal the remainder of the borehole to the surface. When using the retractable probe there is no annular space, however, a bentonite and/or cement slurry seal is placed at surface grade.

Soil Vapor Sampling Point Installation - Hand Auger

Soil vapor points are installed in temporary borings advanced using a 3.25-inch diameter, stainless-steel hand auger. Typically, the auger is advanced and soil vapor samples are collected at a depth of 5 feet bsg; however, high groundwater conditions may warrant shallower sampling depths. Approval is obtained if/when possible prior to collecting subsurface vapor samples shallower than 5 feet bsg. Colorado silica sand (or similar) is placed in the bottom 6 to 12 inches of the boring. A stainless-steel sampling screen, connected to Teflon tubing by a hose barb, is placed near the middle of the sanded interval. A thin layer of powdered bentonite is placed on top of the sand and the bore hole is sealed to within 0.5 foot of the surface using a bentonite and/or cement slurry. Following the installation of the seal, the teflon tubing is supported in a vertical orientation until the seal has dried to ensure that the tubing remains within the middle of the boring not touching the sides. A brass threaded compression fitting is used to seal the tubing while the boring is allowed to equilibrate post subsurface disturbance for a minimum of approximately 48 hours. Borings advanced in this manner

may be completed as semi-permanent soil vapor sampling points. Semi-permanent soil vapor points are sealed at the surface with concrete and a flush-mount monument of the same specifications and standards as a groundwater monitoring well in order to be protective of the groundwater.

Soil Vapor Sampling Point Installation - Drill Rig

Soil vapor points are installed in temporary borings using a drill rig (push probe, auger, or sonic methods). The boring diameter may range from 2.25 to 8 inches. The sampling point is constructed the same way as described above in the hand auger soil vapor sampling point installation procedures. Borings advanced in this manner may be completed as semi-permanent soil vapor sampling points. Semi-permanent soil vapor points are sealed at the surface with concrete and a flush-mount monument of the same specifications and standards as a groundwater monitoring well in order to be protective of the groundwater.

Subslab/Soil Vapor Sample Purging and Leak Detection

Prior to purging and sampling activities, the certified laboratory-provided sample collection manifold is vacuum tested. A vacuum of 30 inches of mercury is applied to the manifold by connecting it to the sample canister. The manifold is then sealed at both ends and monitored for 5 minutes to verify that no vacuum is lost. If any decrease in vacuum is observed, then the sample canister may have been compromised and is not used.

MSBA allows the temporary or semi-permanent boring advanced with a hand-driven push probe or drill rig push probe to equilibrate a minimum of 20 minutes and a hand auger or drill rig advanced boring to equilibrate a minimum of 48 hours prior to purging in general accordance with GARVIB. A total of 3 times the cumulative volume of air from the sampling point, manifold, and sand pack is purged at a maximum flow rate of approximately 200 mL/minute. The flow rate is limited by the intake regulator or critical orifice assembly on the manifold. The purging is completed using a peristaltic pump, spare sample canister, or dedicated syringe. Leak testing is performed by one of two methods, including 1) a helium filled shroud and a field helium detector; or 2) a 2-propanol filled shroud and a tedlar bag air sample collected from inside the shroud. After completing the purge process successfully, soil vapor samples are collected for analysis at the same flow rate as the purge. The soil vapor samples are subsequently submitted for laboratory analysis of helium or 2-propanol to evaluate whether ambient air has compromised the sample due to short circuiting with the surface or leaking fittings on the manifold.

Subslab/Soil Vapor Sample Collection and Analysis

MSBA begins collecting the soil vapor sample immediately after the purging has been completed. The sample is collected using either a sample canister and manifold for analysis by EPA method TO-15, or a sampling tube and fixed rate pump for analysis by EPA method TO-17. The collection method is determined prior to the sampling event by MSBA based on soil and groundwater analytical data. The initial vacuum of the sample canister is tested prior to sampling. The anticipated initial vacuum reading will range from approximately 27 to 30 inches of mercury.

Subslab/soil vapor samples selected for TO-15 analysis are collected using a laboratory-provided, evacuated sample canister and sampling manifold with an intake regulator that ensures that the sample collection flow rate is no greater than 200 mL/minute; collection rate varies depending on the subsurface conditions. MSBA continues sampling until the final vacuum of the sample canister has reached approximately 3 to 6 inches of mercury. MSBA documents the purging and sampling data/info on a Subslab/Soil Vapor Purge & Sample Data sheet (see attached).

Subslab/soil vapor samples selected for TO-17 analysis are collected using a laboratory-provided sampling tube. The soil vapor is drawn through the sampling tube at a rate of no greater than 200ml/min using a calibrated sampling pump. MSBA documents the purging and sampling data/info on a Subslab/Soil Vapor Purge & Sample Data sheet (see attached).

Indoor Air Sampling - Ambient and Outdoor

Prior to sampling, a building survey (as specified in Appendix E of the GARVIB) is performed and all occupants are asked to keep windows and exterior doors closed, to the extent practicable, to minimize the contribution of outdoor air. The number of indoor air samples and their locations are determined prior to the sampling event based on the results of the building survey. Samples are collected at breathing zone height, approximately 3-5 feet. During the indoor air sample collection period, an outdoor ambient air sample is also collected upwind of the building to evaluate background levels of PHCs. The ambient air sample is also placed at breathing zone height of approximately 3-5 feet. Air samples are collected during a 24-hour period for residential buildings and an 8-hour period for commercial buildings in order to simulate the respective exposure conditions. Purging and leak detection are not conducted due to the nature of this type of sample. Air samples selected for TO-15 (VOCs and/or gasoline) analysis are collected using a laboratory-provided, evacuated sample canister with an intake regulator or critical orifice assembly that ensures the sample collection time is no greater than 8 hours or 24 hours, depending on the project specifications. The volume of the sample canister is 1-liter or 6-liters, depending on the reporting limits required. In general, larger sample volumes achieve lower reporting limits.

Chain-of-Custody and Labeling

The Chain-of-Custody (COC) is a form that documents the custody of a sample from the time of origin to the time of disposal or destruction. A COC is initiated in the field at the time the samples are collected. The sampler documents such information as the time, date, type of sample, and requested analyses. Any individual in custody of the samples, including the laboratory, is required to document the transfer of custody (beginning with the sampler) by signing the COC (including date and time of transfer). Every sample collected for analysis or testing is maintained under COC protocol.

Equipment Decontamination

Equipment used to collect soil and groundwater samples such as; bailers, water level indicators, etc., is decontaminated prior to each use. Strict decontamination procedures are utilized to help eliminate the potential for cross-contamination between samples and sample locations.

The decontamination procedure includes a thorough washing in tap water with Liquinox followed by two rinses in tap water and a third and final spray rinse using distilled water. If time permits, the sampling equipment is allowed to air dry. Disposable latex gloves are worn during sampling to help eliminate the potential for cross-contamination by the sampler. The gloves are discarded after each sample event and a new pair is utilized for each subsequent sampling event.

Investigation Derived Waste

Investigation derived waste (IDW) accumulated during the explorations typically consists of soil, groundwater, or decontamination and rinse waters. Soil and water are collected and placed into suitable containers. A label is affixed to each storage container including the date, contents, and contact information. The containers are stored onsite in a secure location pending disposal at an authorized facility. Disposable items such as sampling gloves, paper towels, and plastic sheeting are placed into plastic garbage bags and disposed in a municipal trash receptacle.

SOIL BORING LOG

Site Address:

Boring Number

Page Number

1 of

MSBA
Martin S. Burck Associates, Inc.
Geologic and Environmental Consulting Services

Drilling Contractor

Drilling Method

Start (Date - Time)

Finish (Date - Time)

Elevation (Top of Well Casing)

Logged By

Sample Number	PID reading (ppm)	Sample Recovery (inches)	Depth (feet) Sample Interval	Soil Description
			0	

Comments:

Sample diameter : _____

Total Depth : _____

Hole abandonment : _____

MARTIN S. BURCK ASSOCIATES, INC.

MSBA

SITE SURVEY DATA

Project: _____

Date: _____ Surveyed By: _____

Location	Backsight (+)	Foresight (-)	Instrument Height	Elevation	Comments

Benchmark location sketch

MARTIN S. BURCK ASSOCIATES, INC.

MSBA

GROUNDWATER LEVEL DATA

Project: _____

Date: _____ Measured By: _____

Well No.	Time	DTW	Ref. Elev.	GW Elev.	Comments

MARTIN S. BURCK ASSOCIATES, INC.

MSBA

GROUNDWATER PURGE AND SAMPLE DATA

Sample Order ( )

Project: _____

Date: _____ Sampled By: _____

MONITORING WELL INFORMATION

Well Number: _____ General Location: _____

Well Diameter (in): _____ Total Depth (ft): _____ Depth to Groundwater (ft): _____

Wetted Casing Length (ft): _____ One Well Volume (gals): _____ No. of Well Volumes to Purge: _____

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **1.5"** = 0.092; **2"** = 0.17; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Total Purge Volume (gals): _____ Purge Method (Pump, Bailer, etc.): _____

WELL DEVELOPMENT/PURGING INFORMATION

Time	Depth to Water	Gallons Purged	Cumulative Total	T	C	pH	TDS	Comments

Comments: ≥ 85% static water column ≤ feet DtW WELL TYPE:

GROUNDWATER SAMPLE INFORMATION

Collection Time _____ Appearance ☐ Clear ☐ Cloudy ☐ Turbid Thermal Preservation ☐ Ice Chest & Ice ☐ Other

Containers ( ) 40 ml VOAs ( )1 liter Amber ( ) 500 ml Poly

☐ Preserved ☐ HCL ☐ Preserved ☐ HCL ☐ Preserved ☐ HCL

Requested Analyses: ☐ Gx ☐ Dx ☐ BTEX ☐ RBDM VOCs ☐ PAHs ☐ Other

Collection Method ☐ Disposable Bailer ☐ PVC Bailer ☐ Peristaltic Pump Comments _____

Comments _____

MARTIN S. BURCK ASSOCIATES, INC.

MSBA

SUBSLAB/SOIL VAPOR PURGE AND SAMPLE DATA

Sample Order ( )

Project: _____

Date: _____ Sampled By: _____

SAMPLE INFORMATION

Sample Name _____ General Location: _____

Tubing Diameter (ID) _____ Total Depth (ft) _____ Total Tubing/ Manifold Length _____

Installation Type _____ Installation Date/Time _____ One Purge Volume _____

No. of Volumes to Purge _____ Total Purge Volume _____

SUBSLAB/SOIL VAPOR PURGE AND LEAK TEST INFORMATION

Time	Shroud PID (ppm)	Purge PID (ppm)	Down-Hole Vacuum (inHg)	Canister Vacuum (inHg)	Comments

SUBSLAB/SOIL VAPOR SAMPLE INFORMATION

Start Time _____ End Time (Time of Collection on COC) _____ Start/End Vacuum _____

Container(s) _____ Requested Analyses: _____

Comments _____

Appendix B

Soil Matrix Checklist and Soil Matrix Score Sheet

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
Underground Storage Tank Program

SOIL MATRIX CHECKLIST AND SOIL MATRIX SCORESHEET

☑ 1. The release of petroleum has been reported to the DEQ (0220).

☑ 2. The matrix score sheet has been completed for this site, unless the site is cleaned up to the most stringent cleanup level (0320).

☑ 3. The required hydrocarbon identification test (NWTPH-HCID) has been performed (0335(3)), and, if detectable levels were found, the appropriate analytical method or methods have been used to measure the levels of contamination (0218).

☑ 4. A sketch has been made of this site (0345(1)) which clearly shows:

- ☑ a. The location of all buildings and other key features, both man-made and natural;
- ☑ b. The names of adjacent streets and properties;
- ☑ c. The location of all excavations including those that were for the removal of tanks and associated piping as well as those that were strictly for the removal of contaminated soils;
- ☑ d. The location of all product storage tanks, lines and dispensers, including those that were decommissioned as well as those that remain on the site; and
- ☑ e. All soil and water sample locations.

☑ 5. If any contaminated soil exceeding matrix limits has been left on site, the reason for leaving this soil has been explained and the requirements of 0340(1)(f) and 0355(4) have been met.

☐ 6. If water was present in the tank pit, the Department was notified, the water was pumped from the pit, and the requirements of 0340(4) have been met.

☑ 7. All soil and/or water samples have been collected, coded, stored and shipped as specified in the rules, and proper chain-of-custody forms have been filled out (0345).

☐ 8. If a release from a waste oil tank was discovered, at least one sample has been analyzed by the methods specified in 0218(1)(b)(D).

☐ 9. If a tank was decommissioned in place, the Department gave prior approval for a site-specific sampling plan (0340(5)).

☑ 10. A report has been prepared which includes a detailed description of everything that was observed and performed at the site, contains all of the information required by the rules (0360), and presents findings and recommendations which are consistent with Department regulations.

SOIL MATRIX SCORE SHEET

1. Depth to Groundwater < 25 feet 25 - 50 feet 51 - 100 feet > 100 feet	(10) (7) (4) (1)	**1**
2. Mean Annual Precipitation > 45 inches 20 - 45 inches < 20 inches	(10) (4) (1)	**1**
3. Native Soil Type Course sands, gravels Silts, fine sands Clays	(10) (5) (1)	**5**
4. Sensitivity of Uppermost Aquifer Sole Source Current Potable Future Potable Non-potable	(10) (7) (4) (1)	**10**
5. Potential Receptors Many, near Medium Few, far	(10) (5) (1)	**5**
TOTAL SCORE	=	**22**

MATRIX SCORE	Cleanup Level (ppm TPH)	
	Gasoline	Diesel
Level 1: > 40 pts.	40	100
Level 2: 25 - 40 pts.	80	500
Level 3: < 25 pts.	130	1000

Appendix C

Soil Laboratory Reports

- Sample Date 01/28/25 (Eurofins #J29338-1)
- Sample Date 01/28-29/25 (Eurofins #J29247-1)
- Sample Date 01/28/25 (Eurofins #J29247-2)
- Sample Date 01/29/25 (Eurofins #J29247-3)
- Sample Date 02/12/25 (Eurofins #J29480-1)

Sample Date 01/28/25 (Eurofins #J29338-1)

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 2/18/2025 3:20:08 PM

JOB DESCRIPTION

Beef NW - Nyssa

JOB NUMBER

590-29338-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

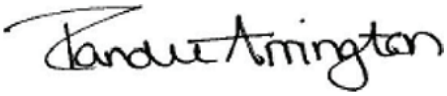
See page two for job notes and contact information.

Job Notes

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

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

Authorization



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Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

Table of Contents

Job Narrative
590-29338-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The sample was received on 2/6/2025 10:55 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

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

GC/MS Semi VOA
Method 8270E_SIM - TCLP: The following sample formed emulsions during the extraction procedure: SP-1 (590-29338-1). The emulsions were broken up using additional methylene chloride rinses and sodium sulfate filtration. 8270E.

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

Hydrocarbons
Method NWTPH_Dx: Detected hydrocarbons in the oil range appear to be due to diesel overlap.

SP-1 (590-29338-1)

Method NWTPH_Dx: The following sample required a dilution due to the nature of the sample matrix: SP-1 (590-29338-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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.

Sample Summary

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29338-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29338-1	SP-1	Solid	01/28/25 00:00	02/06/25 10:55

Definitions/Glossary

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29338-1

Qualifiers

GC/MS Semi 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
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

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

Client Sample ID: SP-1

Date Collected: 01/28/25 00:00
Date Received: 02/06/25 10:55

Lab Sample ID: 590-29338-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		100	24	ug/L			02/13/25 06:27	100
Toluene	ND		100	39	ug/L			02/13/25 06:27	100
Ethylbenzene	ND		100	50	ug/L			02/13/25 06:27	100
m-Xylene & p-Xylene	ND		200	53	ug/L			02/13/25 06:27	100
o-Xylene	ND		100	39	ug/L			02/13/25 06:27	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/13/25 06:27*	*100*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*02/13/25 06:27*	*100*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*02/13/25 06:27*	*100*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*02/13/25 06:27*	*100*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**22**		0.50	0.16	ug/L		02/14/25 09:16	02/15/25 19:16	1
2-Methylnaphthalene	**32**		1.0	0.20	ug/L		02/14/25 09:16	02/15/25 19:16	1
1-Methylnaphthalene	**19**		0.50	0.095	ug/L		02/14/25 09:16	02/15/25 19:16	1
Acenaphthylene	**0.12**	**J**	0.25	0.045	ug/L		02/14/25 09:16	02/15/25 19:16	1
Acenaphthene	**0.99**		0.50	0.070	ug/L		02/14/25 09:16	02/15/25 19:16	1
Fluorene	**1.2**		0.50	0.085	ug/L		02/14/25 09:16	02/15/25 19:16	1
Phenanthrene	**1.4**		0.50	0.16	ug/L		02/14/25 09:16	02/15/25 19:16	1
Anthracene	ND		0.50	0.11	ug/L		02/14/25 09:16	02/15/25 19:16	1
Fluoranthene	ND		1.0	0.090	ug/L		02/14/25 09:16	02/15/25 19:16	1
Pyrene	**0.22**	**J**	0.50	0.17	ug/L		02/14/25 09:16	02/15/25 19:16	1
Benzo[a]anthracene	ND		0.25	0.070	ug/L		02/14/25 09:16	02/15/25 19:16	1
Chrysene	ND		0.50	0.080	ug/L		02/14/25 09:16	02/15/25 19:16	1
Benzo[b]fluoranthene	ND		0.25	0.055	ug/L		02/14/25 09:16	02/15/25 19:16	1
Benzo[k]fluoranthene	ND		0.25	0.060	ug/L		02/14/25 09:16	02/15/25 19:16	1
Benzo[a]pyrene	ND		0.50	0.055	ug/L		02/14/25 09:16	02/15/25 19:16	1
Indeno[1,2,3-cd]pyrene	ND		0.25	0.070	ug/L		02/14/25 09:16	02/15/25 19:16	1
Dibenz(a,h)anthracene	ND		0.50	0.13	ug/L		02/14/25 09:16	02/15/25 19:16	1
Benzo[g,h,i]perylene	ND		0.25	0.060	ug/L		02/14/25 09:16	02/15/25 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*88*		*66 - 150*	*02/14/25 09:16*	*02/15/25 19:16*	*1*

Client Sample ID: SP-1

Date Collected: 01/28/25 00:00
Date Received: 02/06/25 10:55

Lab Sample ID: 590-29338-1
Matrix: Solid
Percent Solids: 93.4

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**31000**		210	86	mg/Kg	☼	02/10/25 09:37	02/10/25 13:10	20
Residual Range Organics (RRO) (C25-C36)	**590**		510	100	mg/Kg	☼	02/10/25 09:37	02/10/25 13:10	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*50 - 150*	*02/10/25 09:37*	*02/10/25 13:10*	*20*
n-Triacontane-d62	*39*	*S1-*	*50 - 150*	*02/10/25 09:37*	*02/10/25 13:10*	*20*

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29338-1

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

Lab Sample ID: MB 580-484844/1-A
Matrix: Solid
Analysis Batch: 484847

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		100	24	ug/L			02/13/25 05:17	100
Toluene	ND		100	39	ug/L			02/13/25 05:17	100
Ethylbenzene	ND		100	50	ug/L			02/13/25 05:17	100
m-Xylene & p-Xylene	ND		200	53	ug/L			02/13/25 05:17	100
o-Xylene	ND		100	39	ug/L			02/13/25 05:17	100

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/13/25 05:17*	*100*
7-4 roB orhuorof enbene (Surr)	*101*		*80 - 120*		*02/13/25 05:17*	*100*
z DroB orhuoroB eit hne (Surr)	*105*		*80 - 120*		*02/13/25 05:17*	*100*
1a2-z Dt loroeit hne-d7 (Surr)	*98*		*80 - 120*		*02/13/25 05:17*	*100*

Lab Sample ID: LCS 580-484844/2-A
Matrix: Solid
Analysis Batch: 484847

Client Sample ID: Lab Control Sample
Prep Type: TCLP

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			500	467		ug/L		93	80 - 122		
Toluene			500	470		ug/L		94	80 - 120		
Ethylbenzene			500	457		ug/L		91	80 - 120		
m-Xylene & p-Xylene			500	478		ug/L		96	80 - 120		
o-Xylene			500	491		ug/L		98	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
7-4 roB orhuorof enbene (Surr)	*101*		*80 - 120*
z DroB orhuoroB eit hne (Surr)	*102*		*80 - 120*
1a2-z Dt loroeit hne-d7 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 580-484844/3-A
Matrix: Solid
Analysis Batch: 484847

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			500	462		ug/L		92	80 - 122	1	14
Toluene			500	473		ug/L		95	80 - 120	1	13
Ethylbenzene			500	443		ug/L		89	80 - 120	3	14
m-Xylene & p-Xylene			500	458		ug/L		92	80 - 120	4	14
o-Xylene			500	476		ug/L		95	80 - 120	3	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
7-4 roB orhuorof enbene (Surr)	*99*		*80 - 120*
z DroB orhuoroB eit hne (Surr)	*95*		*80 - 120*
1a2-z Dt loroeit hne-d7 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 580-484822/1-C
Matrix: Solid
Analysis Batch: 485052

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 484960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.50	0.16	ug/L		02/14/25 09:16	02/15/25 18:13	1
2-Methylnaphthalene	ND		1.0	0.20	ug/L		02/14/25 09:16	02/15/25 18:13	1
1-Methylnaphthalene	ND		0.50	0.095	ug/L		02/14/25 09:16	02/15/25 18:13	1
Acenaphthylene	ND		0.25	0.045	ug/L		02/14/25 09:16	02/15/25 18:13	1
Acenaphthene	ND		0.50	0.070	ug/L		02/14/25 09:16	02/15/25 18:13	1
Fluorene	ND		0.50	0.085	ug/L		02/14/25 09:16	02/15/25 18:13	1
Phenanthrene	ND		0.50	0.16	ug/L		02/14/25 09:16	02/15/25 18:13	1
Anthracene	ND		0.50	0.11	ug/L		02/14/25 09:16	02/15/25 18:13	1
Fluoranthene	ND		1.0	0.090	ug/L		02/14/25 09:16	02/15/25 18:13	1
Pyrene	ND		0.50	0.17	ug/L		02/14/25 09:16	02/15/25 18:13	1
Benzo[a]anthracene	ND		0.25	0.070	ug/L		02/14/25 09:16	02/15/25 18:13	1
Chrysene	ND		0.50	0.080	ug/L		02/14/25 09:16	02/15/25 18:13	1
Benzo[b]fluoranthene	ND		0.25	0.055	ug/L		02/14/25 09:16	02/15/25 18:13	1
Benzo[k]fluoranthene	ND		0.25	0.060	ug/L		02/14/25 09:16	02/15/25 18:13	1
Benzo[a]pyrene	ND		0.50	0.055	ug/L		02/14/25 09:16	02/15/25 18:13	1
Indeno[1,2,3-cd]pyrene	ND		0.25	0.070	ug/L		02/14/25 09:16	02/15/25 18:13	1
Dibenz(a,h)anthracene	ND		0.50	0.13	ug/L		02/14/25 09:16	02/15/25 18:13	1
Benzo[g,h,i]perylene	ND		0.25	0.060	ug/L		02/14/25 09:16	02/15/25 18:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terct enpl-d17 (Surr)	*90*		*yy - 150*	*02/17/25 096ly*	*02/15/25 186l3*	*1*

Lab Sample ID: LCS 580-484822/2-D
Matrix: Solid
Analysis Batch: 485052

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 484960

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			20.0	17.2		ug/L		86	50 - 120		
2-Methylnaphthalene			20.0	17.8		ug/L		89	40 - 134		
1-Methylnaphthalene			20.0	17.7		ug/L		88	49 - 120		
Acenaphthylene			20.0	16.7		ug/L		84	53 - 123		
Acenaphthene			20.0	17.0		ug/L		85	44 - 120		
Fluorene			20.0	17.7		ug/L		88	56 - 126		
Phenanthrene			20.0	18.5		ug/L		92	64 - 120		
Anthracene			20.0	18.0		ug/L		90	62 - 120		
Fluoranthene			20.0	18.5		ug/L		92	68 - 124		
Pyrene			20.0	18.8		ug/L		94	58 - 126		
Benzo[a]anthracene			20.0	17.4		ug/L		87	60 - 134		
Chrysene			20.0	17.1		ug/L		85	62 - 133		
Benzo[b]fluoranthene			20.0	18.6		ug/L		93	63 - 123		
Benzo[k]fluoranthene			20.0	17.8		ug/L		89	55 - 136		
Benzo[a]pyrene			20.0	18.7		ug/L		94	65 - 127		
Indeno[1,2,3-cd]pyrene			20.0	18.5		ug/L		93	47 - 127		
Dibenz(a,h)anthracene			20.0	17.5		ug/L		88	47 - 130		
Benzo[g,h,i]perylene			20.0	17.3		ug/L		86	43 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terct enpl-d17 (Surr)	*88*		*yy - 150*

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

Lab Sample ID: LCSD 580-484822/3-D
Matrix: Solid
Analysis Batch: 485052

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP
Prep Batch: 484960

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			20.0	17.2		ug/L		86	50 - 120	0	31
2-Methylnaphthalene			20.0	17.9		ug/L		89	40 - 134	0	35
1-Methylnaphthalene			20.0	17.6		ug/L		88	49 - 120	0	34
Acenaphthylene			20.0	16.8		ug/L		84	53 - 123	0	32
Acenaphthene			20.0	16.9		ug/L		85	44 - 120	0	34
Fluorene			20.0	17.7		ug/L		89	56 - 126	0	29
Phenanthrene			20.0	19.2		ug/L		96	64 - 120	4	29
Anthracene			20.0	18.7		ug/L		93	62 - 120	4	32
Fluoranthene			20.0	19.2		ug/L		96	68 - 124	4	26
Pyrene			20.0	19.5		ug/L		98	58 - 126	4	28
Benzo[a]anthracene			20.0	18.9		ug/L		95	60 - 134	8	26
Chrysene			20.0	18.1		ug/L		91	62 - 133	6	29
Benzo[b]fluoranthene			20.0	19.9		ug/L		99	63 - 123	7	35
Benzo[k]fluoranthene			20.0	19.2		ug/L		96	55 - 136	8	27
Benzo[a]pyrene			20.0	20.1		ug/L		100	65 - 127	7	30
Indeno[1,2,3-cd]pyrene			20.0	19.8		ug/L		99	47 - 127	7	26
Dibenz(a,h)anthracene			20.0	18.8		ug/L		94	47 - 130	7	29
Benzo[g,h,i]perylene			20.0	18.6		ug/L		93	43 - 140	7	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terct enpl-d17 (Surr)	*91*		*yy - 150*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-52231/1-A
Matrix: Solid
Analysis Batch: 52244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		02/10/25 09:37	02/10/25 12:08	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		02/10/25 09:37	02/10/25 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terct enpl	*: 9*		*50 - 150*	*02/10/25 096 3:*	*02/10/25 126 08*	*1*
n-Tr D, onihne-dy2	*80*		*50 - 150*	*02/10/25 096 3:*	*02/10/25 126 08*	*1*

Lab Sample ID: MB 590-52231/1-B
Matrix: Solid
Analysis Batch: 52244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		02/10/25 09:37	02/10/25 13:30	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		02/10/25 09:37	02/10/25 13:30	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: MB 590-52231/1-B
Matrix: Solid
Analysis Batch: 52244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52231

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	[illegible]		50 - 150	02/10/25 0963:	02/10/25 1363:0	1
n-Triacontane-d62	80		50 - 150	02/10/25 0963:	02/10/25 1363:0	1

Lab Sample ID: LCS 590-52231/2-A
Matrix: Solid
Analysis Batch: 52244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	65.7		mg/Kg		99	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	68.6		mg/Kg		103	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	81		50 - 150
n-Triacontane-d62	85		50 - 150

Lab Sample ID: LCS 590-52231/2-B
Matrix: Solid
Analysis Batch: 52244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	58.5		mg/Kg		88	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	61.8		mg/Kg		93	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	81		50 - 150
n-Triacontane-d62	85		50 - 150

Lab Sample ID: 590-29240-A-26-D DU
Matrix: Solid
Analysis Batch: 52244

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 52231

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	☼	NC	40
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	☼	NC	40

Surrogate	DU %Recovery	DU Qualifier	Limits
o-Terphenyl	81		50 - 150
n-Triacontane-d62	80		50 - 150

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29338-1

Client Sample ID: SP-1
Date Collected: 01/28/25 00:00
Date Received: 02/06/25 10:55

Lab Sample ID: 590-29338-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			1.0 g	1.0 mL	484844	02/11/25 16:19	JBT	EET SEA
							Completed:	02/12/25 13:00 [1]		
TCLP	Analysis	8260D		100	10 mL	10 mL	484847	02/13/25 06:27	JBT	EET SEA
TCLP	Leach	1311			1.0 g	1.0 mL	484822	02/11/25 12:33	EM	EET SEA
							Completed:	02/12/25 11:20 [1]		
TCLP	Prep	3510C			200 mL	2 mL	484960	02/14/25 09:16	EM	EET SEA
TCLP	Analysis	8270E SIM		1	1 mL	1 mL	485052	02/15/25 19:16	CB	EET SEA
Total/NA	Analysis	Moisture		1			52245	02/10/25 11:09	AMB	EET SPK

Client Sample ID: SP-1
Date Collected: 01/28/25 00:00
Date Received: 02/06/25 10:55

Lab Sample ID: 590-29338-1
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.66 g	5 mL	52231	02/10/25 09:37	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		20	1 mL	1 mL	52244	02/10/25 13:10	NMI	EET SPK

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29338-1

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29338-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SEA
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET SEA
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
1311	TCLP Extraction	SW846	EET SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SEA
3550C	Ultrasonic Extraction	SW846	EET SPK
5030B	Purge and Trap	SW846	EET SEA

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane
11922 E 1st Avenue

Spokane WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager:	Site Contact:	Date:	COC No
Your Company Name here: Martin S. Bruck Assoc.	Email: jwhite@msbaenvironmental.com	Lab Contact:	Carrier:	____ of ____ COCs
Address: 200 N Wasco Ct	Tel/Fax			Sampler:
City/State/Zip: Hood River, OR 97031	Analysis Turnaround Time			For Lab Use Only:
541 387 4422 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
FAX	TAT if different from Below ____			Lab Sampling:
Project Name: Beef NW - Nyssa	☐ 2 weeks			
Site: Beef NW - Nyssa	☐ 1 week			Job / SDG No
PO#: Beef NW	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Dx	TCLP-BTEX	TCLP-PAHs	Sample Specific Notes
SP-1	1/28/25		G	Soil	3			✓	✓	✓	

590-29338 Chain of Custody

Preservation Used. 1= Ice, 2= HCl, 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

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

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

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

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C) Obs'd. 29 Corr'd. 33 Therm ID No. 17006

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	MSBA	2/5/25 13:10			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by:	Company	Date/Time
				EETORO	2/6/25 1055

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10506.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 590-29338-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/19/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Beef NW - Nyssa	Project #: 59002184			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1311_Z_SA	1311_T_SA	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SP-1 (590-29338-1)	1/28/25	Pacific	G	Solid			X	X	1	

Therm. ID: SC011 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.3/-0.7°C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / (Wet) / None
Label Ver.: R Packing: D

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 2/7/25 1548	Company: EECSD	Received by:	Date/Time: 2/8/25 9:30	Company: EEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

2/18/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10505.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 590-29338-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/19/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Beef NW - Nyssa	Project #: 59002184			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/1311_Z BTEX	8270E_SIM/1311_T TCLP PAHs	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SP-1 (590-29338-1)	1/28/25	Pacific	G	Solid			X	X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	2/7/25 1548	EETSPO	Brook Moore	2/8/25 930	EETN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 -0.7/0.3

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-29338-1

Login Number: 29338
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

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

Sample Date 01/28-29/25 (Eurofins #J29247-1)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 2/5/2025 12:28:37 PM

JOB DESCRIPTION

Beef NW-Nyssa

JOB NUMBER

590-29247-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

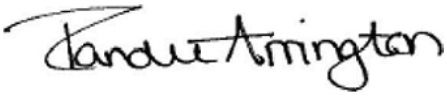
See page two for job notes and contact information.

Job Notes

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

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

Authorization



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Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

Table of Contents

Job Narrative
590-29247-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 1/31/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C.

Hydrocarbons
Method NWTPH_Dx: The method blank for preparation batch 590-52140 and analytical batch 590-52138 contained Diesel Range Organics (DRO) (C10-C25) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and re-analysis of samples was not performed.

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to weathered diesel.

D1-5 (590-29247-4), PL1-7-2.5 (590-29247-11) and (590-29247-A-4-B DU)

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.

Sample Summary

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29247-1	N-12	Solid	01/29/25 14:18	01/31/25 12:00
590-29247-2	Mid-13.5	Solid	01/29/25 14:25	01/31/25 12:00
590-29247-3	S-15.5	Solid	01/29/25 14:33	01/31/25 12:00
590-29247-4	D1-5	Solid	01/28/25 12:23	01/31/25 12:00
590-29247-5	PL1-1-3.5	Solid	01/28/25 09:32	01/31/25 12:00
590-29247-6	PL1-2-3.5	Solid	01/29/25 14:43	01/31/25 12:00
590-29247-7	PL1-3-3.5	Solid	01/29/25 14:55	01/31/25 12:00
590-29247-8	PL1-4-3.5	Solid	01/29/25 15:07	01/31/25 12:00
590-29247-9	PL1-5-3.5	Solid	01/29/25 16:14	01/31/25 12:00
590-29247-10	PL1-6-3	Solid	01/29/25 17:21	01/31/25 12:00
590-29247-11	PL1-7-2.5	Solid	01/29/25 17:37	01/31/25 12:00
590-29247-12	PL2-1-3.5	Solid	01/28/25 10:05	01/31/25 12:00

Definitions/Glossary

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-1

Qualifiers

GC Semi VOA

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

Client Sample ID: N-12

Lab Sample ID: 590-29247-1
Date Collected: 01/29/25 14:18
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 79.1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		30	30	mg/Kg	☼	02/04/25 16:03	02/05/25 04:53	1
Diesel Range Organics (DRO) (C10-C25)	ND		61	61	mg/Kg	☼	02/04/25 16:03	02/05/25 04:53	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/04/25 16:03	02/05/25 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*50 - 150*	*02/04/25 16:03*	*02/05/25 04:53*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*02/04/25 16:03*	*02/05/25 04:53*	*1*

Client Sample ID: Mid-13.5

Lab Sample ID: 590-29247-2
Date Collected: 01/29/25 14:25
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 82.2

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		30	30	mg/Kg	☼	02/04/25 16:03	02/05/25 05:34	1
Diesel Range Organics (DRO) (C10-C25)	ND		60	60	mg/Kg	☼	02/04/25 16:03	02/05/25 05:34	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/04/25 16:03	02/05/25 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*50 - 150*	*02/04/25 16:03*	*02/05/25 05:34*	*1*
n-Triacontane-d62	*101*		*50 - 150*	*02/04/25 16:03*	*02/05/25 05:34*	*1*

Client Sample ID: S-15.5

Lab Sample ID: 590-29247-3
Date Collected: 01/29/25 14:33
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 81.3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		30	30	mg/Kg	☼	02/04/25 16:03	02/05/25 05:55	1
Diesel Range Organics (DRO) (C10-C25)	ND		59	59	mg/Kg	☼	02/04/25 16:03	02/05/25 05:55	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/04/25 16:03	02/05/25 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*50 - 150*	*02/04/25 16:03*	*02/05/25 05:55*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*02/04/25 16:03*	*02/05/25 05:55*	*1*

Client Sample ID: D1-5

Lab Sample ID: 590-29247-4
Date Collected: 01/28/25 12:23
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 79.7

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**13**	**B**	12	5.0	mg/Kg	☼	02/04/25 13:06	02/04/25 20:53	1
Residual Range Organics (RRO) (C25-C36)	ND		30	5.9	mg/Kg	☼	02/04/25 13:06	02/04/25 20:53	1

Client Sample ID: D1-5

Lab Sample ID: 590-29247-4
Date Collected: 01/28/25 12:23
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 79.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*02/04/25 13:06*	*02/04/25 20:53*	*1*
n-Triacontane-d62	*76*		*50 - 150*	*02/04/25 13:06*	*02/04/25 20:53*	*1*

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		29	29	mg/Kg	☼	02/04/25 16:03	02/05/25 06:16	1
Diesel Range Organics (DRO) (C10-C25)	ND		57	57	mg/Kg	☼	02/04/25 16:03	02/05/25 06:16	1
Residual Range Organics (RRO) (C25-C36)	ND		110	110	mg/Kg	☼	02/04/25 16:03	02/05/25 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*50 - 150*	*02/04/25 16:03*	*02/05/25 06:16*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*02/04/25 16:03*	*02/05/25 06:16*	*1*

Client Sample ID: PL1-1-3.5

Lab Sample ID: 590-29247-5
Date Collected: 01/28/25 09:32
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 81.3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		29	29	mg/Kg	☼	02/04/25 16:03	02/05/25 06:37	1
Diesel Range Organics (DRO) (C10-C25)	ND		58	58	mg/Kg	☼	02/04/25 16:03	02/05/25 06:37	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/04/25 16:03	02/05/25 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*50 - 150*	*02/04/25 16:03*	*02/05/25 06:37*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*02/04/25 16:03*	*02/05/25 06:37*	*1*

Client Sample ID: PL1-2-3.5

Lab Sample ID: 590-29247-6
Date Collected: 01/29/25 14:43
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 81.4

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		30	30	mg/Kg	☼	02/04/25 16:03	02/05/25 06:58	1
Diesel Range Organics (DRO) (C10-C25)	ND		59	59	mg/Kg	☼	02/04/25 16:03	02/05/25 06:58	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/04/25 16:03	02/05/25 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*50 - 150*	*02/04/25 16:03*	*02/05/25 06:58*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*02/04/25 16:03*	*02/05/25 06:58*	*1*

Client Sample ID: PL1-3-3.5

Lab Sample ID: 590-29247-7
Date Collected: 01/29/25 14:55
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 80.6

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		31	31	mg/Kg	☼	02/04/25 16:03	02/05/25 07:18	1

Client Sample ID: PL1-3-3.5

Lab Sample ID: 590-29247-7
Date Collected: 01/29/25 14:55
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 80.6

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		62	62	mg/Kg	☼	02/04/25 16:03	02/05/25 07:18	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/04/25 16:03	02/05/25 07:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*50 - 150*	*02/04/25 16:03*	*02/05/25 07:18*	*1*
n-Triacontane-d62	*96*		*50 - 150*	*02/04/25 16:03*	*02/05/25 07:18*	*1*

Client Sample ID: PL1-4-3.5

Lab Sample ID: 590-29247-8
Date Collected: 01/29/25 15:07
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 79.5

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		29	29	mg/Kg	☼	02/04/25 16:03	02/05/25 07:39	1
Diesel Range Organics (DRO) (C10-C25)	ND		59	59	mg/Kg	☼	02/04/25 16:03	02/05/25 07:39	1
Residual Range Organics (RRO) (C25-C36)	ND		120	120	mg/Kg	☼	02/04/25 16:03	02/05/25 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*98*		*50 - 150*	*02/04/25 16:03*	*02/05/25 07:39*	*1*
n-Triacontane-d62	*91*		*50 - 150*	*02/04/25 16:03*	*02/05/25 07:39*	*1*

Client Sample ID: PL1-5-3.5

Lab Sample ID: 590-29247-9
Date Collected: 01/29/25 16:14
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 84.3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		28	28	mg/Kg	☼	02/04/25 16:03	02/05/25 08:00	1
Diesel Range Organics (DRO) (C10-C25)	ND		55	55	mg/Kg	☼	02/04/25 16:03	02/05/25 08:00	1
Residual Range Organics (RRO) (C25-C36)	ND		110	110	mg/Kg	☼	02/04/25 16:03	02/05/25 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*50 - 150*	*02/04/25 16:03*	*02/05/25 08:00*	*1*
n-Triacontane-d62	*86*		*50 - 150*	*02/04/25 16:03*	*02/05/25 08:00*	*1*

Client Sample ID: PL1-6-3

Lab Sample ID: 590-29247-10
Date Collected: 01/29/25 17:21
Matrix: Solid
Date Received: 01/31/25 12:00
Percent Solids: 71.8

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		33	33	mg/Kg	☼	02/04/25 16:03	02/05/25 08:21	1
Diesel Range Organics (DRO) (C10-C25)	ND		66	66	mg/Kg	☼	02/04/25 16:03	02/05/25 08:21	1
Residual Range Organics (RRO) (C25-C36)	ND		130	130	mg/Kg	☼	02/04/25 16:03	02/05/25 08:21	1

Client Sample ID: PL1-6-3

Date Collected: 01/29/25 17:21
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-10

Matrix: Solid
Percent Solids: 71.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*98*		*50 - 150*	*02/04/25 16:03*	*02/05/25 08:21*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*02/04/25 16:03*	*02/05/25 08:21*	*1*

Client Sample ID: PL1-7-2.5

Date Collected: 01/29/25 17:37
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-11

Matrix: Solid
Percent Solids: 69.6

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**130**	**B**	14	5.9	mg/Kg	☼	02/04/25 13:06	02/04/25 21:35	1
Residual Range Organics (RRO) (C25-C36)	**88**		35	7.1	mg/Kg	☼	02/04/25 13:06	02/04/25 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*92*		*50 - 150*	*02/04/25 13:06*	*02/04/25 21:35*	*1*
n-Triacontane-d62	*72*		*50 - 150*	*02/04/25 13:06*	*02/04/25 21:35*	*1*

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		35	35	mg/Kg	☼	02/04/25 16:04	02/05/25 08:42	1
Diesel Range Organics (DRO) (C10-C25)	**86**		70	70	mg/Kg	☼	02/04/25 16:04	02/05/25 08:42	1
Residual Range Organics (RRO) (C25-C36)	ND		140	140	mg/Kg	☼	02/04/25 16:04	02/05/25 08:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*103*		*50 - 150*	*02/04/25 16:04*	*02/05/25 08:42*	*1*
n-Triacontane-d62	*109*		*50 - 150*	*02/04/25 16:04*	*02/05/25 08:42*	*1*

Client Sample ID: PL2-1-3.5

Date Collected: 01/28/25 10:05
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-12

Matrix: Solid
Percent Solids: 72.6

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		32	32	mg/Kg	☼	02/04/25 16:04	02/05/25 09:02	1
Diesel Range Organics (DRO) (C10-C25)	**1100**		63	63	mg/Kg	☼	02/04/25 16:04	02/05/25 09:02	1
Residual Range Organics (RRO) (C25-C36)	ND		130	130	mg/Kg	☼	02/04/25 16:04	02/05/25 09:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*114*		*50 - 150*	*02/04/25 16:04*	*02/05/25 09:02*	*1*
n-Triacontane-d62	*108*		*50 - 150*	*02/04/25 16:04*	*02/05/25 09:02*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-52140/1-A
Matrix: Solid
Analysis Batch: 52138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	7.41	J	10	4.2	mg/Kg		02/04/25 13:05	02/04/25 18:27	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		02/04/25 13:05	02/04/25 18:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*02/04/25 13:05*	*02/04/25 18:27*	*1*
n-Triacontane-d62	*73*		*50 - 150*	*02/04/25 13:05*	*02/04/25 18:27*	*1*

Lab Sample ID: LCS 590-52140/2-A
Matrix: Solid
Analysis Batch: 52138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52140

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	66.5		mg/Kg		100	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	64.5		mg/Kg		97	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*88*		*50 - 150*
n-Triacontane-d62	*79*		*50 - 150*

Lab Sample ID: 590-29247-4 DU
Matrix: Solid
Analysis Batch: 52138

Client Sample ID: D1-5
Prep Type: Total/NA
Prep Batch: 52140

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	13	B		14.3		mg/Kg	☼			11	40
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	☼			NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*78*		*50 - 150*
n-Triacontane-d62	*68*		*50 - 150*

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 590-52148/1-A
Matrix: Solid
Analysis Batch: 52149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52148

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		25	25	mg/Kg		02/04/25 16:03	02/05/25 04:32	1
Diesel Range Organics (DRO) (C10-C25)	ND		50	50	mg/Kg		02/04/25 16:03	02/05/25 04:32	1
Residual Range Organics (RRO) (C25-C36)	ND		100	100	mg/Kg		02/04/25 16:03	02/05/25 04:32	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC) (Continued)

Lab Sample ID: MB 590-52148/1-A
Matrix: Solid
Analysis Batch: 52149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52148

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*107*		*50 - 150*	*02/04/25 16:03*	*02/05/25 04:32*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*02/04/25 16:03*	*02/05/25 04:32*	*1*

Lab Sample ID: 590-29247-1 DU
Matrix: Solid
Analysis Batch: 52149

Client Sample ID: N-12
Prep Type: Total/NA
Prep Batch: 52148

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND			ND		mg/Kg	☼			NC	25
Diesel Range Organics (DRO) (C10-C25)	ND			ND		mg/Kg	☼			NC	25
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	☼			NC	25

Surrogate	DU %Recovery	DU Qualifier	Limits
o-Terphenyl	*99*		*50 - 150*
n-Triacontane-d62	*86*		*50 - 150*

Lab Sample ID: 590-29247-12 DU
Matrix: Solid
Analysis Batch: 52149

Client Sample ID: PL2-1-3.5
Prep Type: Total/NA
Prep Batch: 52148

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND			ND		mg/Kg	☼			NC	25
Diesel Range Organics (DRO) (C10-C25)	1100			1180		mg/Kg	☼			10	25
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	☼			NC	25

Surrogate	DU %Recovery	DU Qualifier	Limits
o-Terphenyl	*116*		*50 - 150*
n-Triacontane-d62	*104*		*50 - 150*

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-1

Client Sample ID: N-12
Date Collected: 01/29/25 14:18
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Client Sample ID: N-12
Date Collected: 01/29/25 14:18
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-1
Matrix: Solid
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.37 g	20 mL	52148	02/04/25 16:03	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 04:53	NMI	EET SPK

Client Sample ID: Mid-13.5
Date Collected: 01/29/25 14:25
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Client Sample ID: Mid-13.5
Date Collected: 01/29/25 14:25
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-2
Matrix: Solid
Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.20 g	20 mL	52148	02/04/25 16:03	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 05:34	NMI	EET SPK

Client Sample ID: S-15.5
Date Collected: 01/29/25 14:33
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Client Sample ID: S-15.5
Date Collected: 01/29/25 14:33
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-3
Matrix: Solid
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.36 g	20 mL	52148	02/04/25 16:03	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 05:55	NMI	EET SPK

Client Sample ID: D1-5
Date Collected: 01/28/25 12:23
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-1

Client Sample ID: D1-5
Date Collected: 01/28/25 12:23
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-4
Matrix: Solid
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.87 g	5 mL	52140	02/04/25 13:06	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	52138	02/04/25 20:53	NMI	EET SPK
Total/NA	Prep	NWTPH-HCID			10.98 g	20 mL	52148	02/04/25 16:03	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 06:16	NMI	EET SPK

Client Sample ID: PL1-1-3.5
Date Collected: 01/28/25 09:32
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Client Sample ID: PL1-1-3.5
Date Collected: 01/28/25 09:32
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-5
Matrix: Solid
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.56 g	20 mL	52148	02/04/25 16:03	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 06:37	NMI	EET SPK

Client Sample ID: PL1-2-3.5
Date Collected: 01/29/25 14:43
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Client Sample ID: PL1-2-3.5
Date Collected: 01/29/25 14:43
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-6
Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.38 g	20 mL	52148	02/04/25 16:03	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 06:58	NMI	EET SPK

Client Sample ID: PL1-3-3.5
Date Collected: 01/29/25 14:55
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-1

Client Sample ID: PL1-3-3.5
Date Collected: 01/29/25 14:55
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-7
Matrix: Solid
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.07 g	20 mL	52148	02/04/25 16:03	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 07:18	NMI	EET SPK

Client Sample ID: PL1-4-3.5
Date Collected: 01/29/25 15:07
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Client Sample ID: PL1-4-3.5
Date Collected: 01/29/25 15:07
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-8
Matrix: Solid
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.70 g	20 mL	52148	02/04/25 16:03	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 07:39	NMI	EET SPK

Client Sample ID: PL1-5-3.5
Date Collected: 01/29/25 16:14
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Client Sample ID: PL1-5-3.5
Date Collected: 01/29/25 16:14
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-9
Matrix: Solid
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.76 g	20 mL	52148	02/04/25 16:03	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 08:00	NMI	EET SPK

Client Sample ID: PL1-6-3
Date Collected: 01/29/25 17:21
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-1

Client Sample ID: PL1-6-3
Date Collected: 01/29/25 17:21
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-10
Matrix: Solid
Percent Solids: 71.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.52 g	20 mL	52148	02/04/25 16:03	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 08:21	NMI	EET SPK

Client Sample ID: PL1-7-2.5
Date Collected: 01/29/25 17:37
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Client Sample ID: PL1-7-2.5
Date Collected: 01/29/25 17:37
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-11
Matrix: Solid
Percent Solids: 69.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.28 g	5 mL	52140	02/04/25 13:06	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	52138	02/04/25 21:35	NMI	EET SPK
Total/NA	Prep	NWTPH-HCID			10.31 g	20 mL	52148	02/04/25 16:04	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 08:42	NMI	EET SPK

Client Sample ID: PL2-1-3.5
Date Collected: 01/28/25 10:05
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			52133	02/04/25 10:26	AMB	EET SPK

Client Sample ID: PL2-1-3.5
Date Collected: 01/28/25 10:05
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-12
Matrix: Solid
Percent Solids: 72.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	NWTPH-HCID			10.88 g	20 mL	52148	02/04/25 16:04	NMI	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	52149	02/05/25 09:02	NMI	EET SPK

Laboratory References:
EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Martin S Burck Associates
Job ID: 590-29247-1
Project/Site: Beef NW-Nyssa

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-1

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
NWTPH-HCID	Northwest - Hydrocarbon Identification (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
NWTPH-HCID	Solvent Extraction	NWTPH	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509 924.9200 fax 509 924.9290

Chain of Custody Record

eurofins Environment Testing

TestAmerica Laboratories Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Jon White	Site Contact:	Date	COC No:
Your Company Name here: Martin S. Borok Assoc.	Email: jwh@msbaenvironmental.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 200 N Wasco Ct	Tel/Fax:			Sampler:
City/State/Zip: Hood River, OR 97031	Analysis Turnaround Time			For Lab Use Only
541 387 4412 Phone	☐ CALENDAR DAYS ☒ WORKING DAYS			Walk-in Client:
FAX	TAT if different from Below: 3-day			Lab Sampling:
Project Name: Beef NW - Nyssa	☐ 2 weeks			
Site: Beef NW - Nyssa	☐ 1 week			Job / SDG No.
PO# Beef NW	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-HCID	NWTPH-DX	Sample Specific Notes.
N-12	1/29/25	1418	G	So 1	3			✓		
M d-13 5	1/29/25	1425	G	So 1	3			✓		
S-15 5	1/29/25	1433	G	So.1	3			✓		
D1-5	1/28/25	1223	G	So.1	3			✓	✓	
PL1-1-3 5	1/28/25	0932	G	So.1	3			✓		
PL1-2-3 5	1/29/25	1443	G	So 1	3			✓		
PL1-3-3 5	1/29/25	1453	G	So 1	3			✓		
PL1-4-2 5	1/29/25	1507	G	So.1	3			✓		
PL1-5-3 5	1/29/25	1614	G	So.1	3			✓		
PL1-6-3	1/29/25	1721	G	So.1	3			✓		
PL1-7-2 5	1/29/25	1737	G	So.1	3			✓	✓	
PL2-1-3 5	1/28/25	1005	G	So.1	3			✓		

590-29247 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for Months

Special Instructions/QC Requirements & Comments 3-day TAT

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C) Obs'd: 3.8 Corr'd: 4.2 | Therm ID No.: R005

Relinquished by: Jon White	Company: MSBA	Date/Time: 1/30/25 13:00	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company	Date/Time:	Received in Laboratory by:	Company: EETSPO	Date/Time: 1/31/25 1200

Form No. CA-C-WI-002, Rev 4.23, dated 4/16/2019

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-29247-1

Login Number: 29247
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

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

Sample Date 01/28/25 (Eurofins #J29247-2)

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 2/10/2025 3:44:44 PM

JOB DESCRIPTION

Beef NW-Nyssa

JOB NUMBER

590-29247-2

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

my EOL

Job Notes

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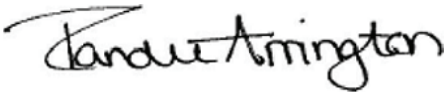
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Authorization



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Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

Table of Contents

Job ID: 590-29247-2 — Eurofins Spokane

Job Narrative
590-29247-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 1/31/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C.

Receipt Exceptions
The following sample was activated for NWTPH-Dx analysis by the client on 02/06/25: PL2-1-3.5 (590-29247-12). This analysis was not originally requested on the chain-of-custody (COC).

Hydrocarbons
Method NWTPH_Dx: Detected hydrocarbons in the oil range appear to be due to diesel overlap.

PL2-1-3.5 (590-29247-12)

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

Sample Summary

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29247-12	PL2-1-3.5	Solid	01/28/25 10:05	01/31/25 12:00

Definitions/Glossary

Client: Martin S Burck Associates
Job ID: 590-29247-2
Project/Site: Beef NW-Nyssa

Qualifiers

GC Semi 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.

Glossary

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

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-2

Client Sample ID: PL2-1-3.5
Date Collected: 01/28/25 10:05
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-12
Matrix: Solid
Percent Solids: 72.6

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	3800		130	56	mg/Kg	☼	02/10/25 09:37	02/10/25 12:49	10
Residual Range Organics (RRO) (C25-C36)	260	J	330	67	mg/Kg	☼	02/10/25 09:37	02/10/25 12:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*123*		*50 - 150*	*02/10/25 09:37*	*02/10/25 12:49*	*10*
n-Triacontane-d62	*98*		*50 - 150*	*02/10/25 09:37*	*02/10/25 12:49*	*10*

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-2

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-52231/1-A
Matrix: Solid
Analysis Batch: 52244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		02/10/25 09:37	02/10/25 12:08	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		02/10/25 09:37	02/10/25 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*02/10/25 09:37*	*02/10/25 12:08*	*1*
n-Triacontane-d62	*80*		*50 - 150*	*02/10/25 09:37*	*02/10/25 12:08*	*1*

Lab Sample ID: LCS 590-52231/2-A
Matrix: Solid
Analysis Batch: 52244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52231

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	65.7		mg/Kg		99	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	68.6		mg/Kg		103	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*81*		*50 - 150*
n-Triacontane-d62	*85*		*50 - 150*

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-2

Client Sample ID: PL2-1-3.5
Date Collected: 01/28/25 10:05
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-12
Matrix: Solid
Percent Solids: 72.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.52 g	5 mL	52231	02/10/25 09:37	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	52244	02/10/25 12:49	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Martin S Burck Associates
Job ID: 590-29247-2
Project/Site: Beef NW-Nyssa

Laboratory: Eurofins Spokane

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

Method Summary

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-2

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509 924.9200 fax 509 924.9290

Chain of Custody Record

eurofins Environment Testing

TestAmerica Laboratories Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Jon White	Site Contact:	Date	COC No:
Your Company Name here: Martin S. Borok Assoc.	Email: jwh@msbaenvironmental.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 200 N Wasco Ct	Tel/Fax:			Sampler:
City/State/Zip: Hood River, OR 97031	Analysis Turnaround Time			For Lab Use Only
541 387 4412 Phone	☐ CALENDAR DAYS ☒ WORKING DAYS			Walk-in Client:
FAX	TAT if different from Below: 3-day			Lab Sampling:
Project Name: Beef NW - Nyssa	☐ 2 weeks			
Site: Beef NW - Nyssa	☐ 1 week			Job / SDG No.
PO# Beef NW	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-HCID	NWTPH-DX	Sample Specific Notes.
N-12	1/29/25	1418	G	So 1	3			✓		
M d-13 5	1/29/25	1425	G	So 1	3			✓		
S-15 5	1/29/25	1433	G	So.1	3			✓		
D1-5	1/28/25	1223	G	So.1	3			✓	✓	
PL1-1-3 5	1/28/25	0932	G	So.1	3			✓		
PL1-2-3 5	1/29/25	1443	G	So 1	3			✓		
PL1-3-3 5	1/29/25	1453	G	So 1	3			✓		
PL1-4-2 5	1/29/25	1507	G	So.1	3			✓		
PL1-5-3 5	1/29/25	1614	G	So.1	3			✓		
PL1-6-3	1/29/25	1721	G	So.1	3			✓		
PL1-7-2 5	1/29/25	1737	G	So.1	3			✓	✓	
PL2-1-3 5	1/28/25	1005	G	So.1	3			✓		

590-29247 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for Months

Special Instructions/QC Requirements & Comments 3-day TAT

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C) Obs'd: 3.8 Corr'd: 4.2 | Therm ID No.: R005

Relinquished by: Jon White	Company: MSBA	Date/Time: 1/30/25 13:00	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company	Date/Time:	Received in Laboratory by:	Company: EET Spo	Date/Time: 1/31/25 1200

Form No. CA-C-WI-002, Rev 4.23, dated 4/16/2019

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-29247-2

Login Number: 29247

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Sample Date 01/29/25 (Eurofins #J29247-3)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 2/12/2025 1:08:53 PM

JOB DESCRIPTION

Beef NW-Nyssa

JOB NUMBER

590-29247-3

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

Job Notes

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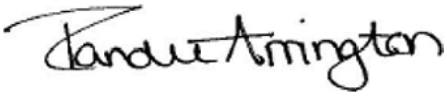
Authorization



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2/12/2025 1:08:53 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

Table of Contents

Job ID: 590-29247-3 — Eurofins Spokane

Job Narrative
590-29247-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 1/31/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C.

Receipt Exceptions
The following sample was activated for NWTPH-Dx analysis by the client on 02/11/25: N-12 (590-29247-1). This analysis was not originally requested on the chain-of-custody (COC).

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

Sample Summary

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29247-1	N-12	Solid	01/29/25 14:18	01/31/25 12:00

Glossary

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

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-3

Client Sample ID: N-12
Date Collected: 01/29/25 14:18
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-1
Matrix: Solid
Percent Solids: 79.1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**33**		12	5.2	mg/Kg	☼	02/11/25 14:29	02/11/25 17:15	1
Residual Range Organics (RRO) (C25-C36)	ND		31	6.2	mg/Kg	☼	02/11/25 14:29	02/11/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*02/11/25 14:29*	*02/11/25 17:15*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*02/11/25 14:29*	*02/11/25 17:15*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-52279/1-A
Matrix: Solid
Analysis Batch: 52280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52279

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		02/11/25 14:29	02/11/25 15:52	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		02/11/25 14:29	02/11/25 15:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*12*		*35 - 035*	*5/ 00 / 3907:/ 2*	*5/ 00 / 3903:3/*	*0*
n-Triacontane-d6/	*24*		*35 - 035*	*5/ 00 / 3907:/ 2*	*5/ 00 / 3903:3/*	*0*

Lab Sample ID: LCS 590-52279/2-A
Matrix: Solid
Analysis Batch: 52280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52279

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	65.3		mg/Kg		98	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	70.8		mg/Kg		106	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*27*		*35 - 035*
n-Triacontane-d6/	*05/*		*35 - 035*

Lab Sample ID: 590-29247-1 DU
Matrix: Solid
Analysis Batch: 52280

Client Sample ID: N-12
Prep Type: Total/NA
Prep Batch: 52279

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	33			38.0		mg/Kg	☼			14	40
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	☼			NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*18*		*35 - 035*
n-Triacontane-d6/	*20*		*35 - 035*

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Beef NW-Nyssa

Job ID: 590-29247-3

Client Sample ID: N-12
Date Collected: 01/29/25 14:18
Date Received: 01/31/25 12:00

Lab Sample ID: 590-29247-1
Matrix: Solid
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.40 g	5 mL	52279	02/11/25 14:29	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	52280	02/11/25 17:15	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Martin S Burck Associates
Job ID: 590-29247-3
Project/Site: Beef NW-Nyssa

Laboratory: Eurofins Spokane

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

Method Summary

I ient: Ma r SMal B ucSkAs PPoke MP
j So/nkMBeM: unnNWy -WTPPr

Job ID: 590-29247-C

Method	Method Description	Protocol	Laboratory
Wy Hj x -Dh	WoSMmnPM- BnV edoir Mn j nMbincV j So(ckMP G) I E	Wy Hj x	KKH Bj 8
C550I	UiMS Pot ek KhMS kMbt	By 643	KKH Bj 8

Protocol References:

Wy Hj x = WoSMmnPM-boMi j nMbincV x T(Sokr Sbot

By 643 = "HnPMa nMo(P FoSKvr icr Ml g Boie(y r PM, j wTPekr ifl wnV ekr i a nMo(P", HwS(K(eMbt , WovnV bnS1963 s t (IMP Up(r MP.

Laboratory References:

KKH Bj 8 = KcSoNe P BpoAr t n, 11922 Kr PM1PMs vn, BpoAr t n, y s 99203, HKL G509E924-9200

1 2 3 4 5 6 7 8 9 10 11 12

Eurofins TestAmerica, Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509 924.9200 fax 509 924.9290

Chain of Custody Record

eurofins Environment Testing

TestAmerica Laboratories Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Jon White	Site Contact:	Date	COC No:
Your Company Name here: Martin S. Borok Assoc.	Email: jwh@msbaenvironmental.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 200 N Wasco Ct	Tel/Fax:			Sampler:
City/State/Zip: Hood River, OR 97031	Analysis Turnaround Time			For Lab Use Only
541 387 4412 Phone	☐ CALENDAR DAYS ☒ WORKING DAYS			Walk-in Client:
FAX	TAT if different from Below: 3-day			Lab Sampling:
Project Name: Beef NW - Nyssa	☐ 2 weeks			
Site: Beef NW - Nyssa	☐ 1 week			Job / SDG No.
PO# Beef NW	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-HCID	NWTPH-DX	Sample Specific Notes.
N-12	1/29/25	1418	G	So 1	3			✓		
Md-13 5	1/29/25	1425	G	So 1	3			✓		
S-15 5	1/29/25	1433	G	So.1	3			✓		
D1-5	1/28/25	1223	G	So.1	3			✓	✓	
PL1-1-3 5	1/28/25	0932	G	So.1	3			✓		
PL1-2-3 5	1/29/25	1443	G	So 1	3			✓		
PL1-3-3 5	1/29/25	1453	G	So 1	3			✓		
PL1-4-2 5	1/29/25	1507	G	So.1	3			✓		
PL1-5-3 5	1/29/25	1614	G	So.1	3			✓		
PL1-6-3	1/29/25	1721	G	So.1	3			✓		
PL1-7-2 5	1/29/25	1737	G	So.1	3			✓	✓	
PL2-1-3 5	1/28/25	1005	G	So.1	3			✓		

590-29247 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for Months

Special Instructions/QC Requirements & Comments 3-day TAT

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C) Obs'd: 3.8 Corr'd: 4.2 | Therm ID No.: R005

	Company	Date/Time		Company	Date/Time
Relinquished by: Jon White	MSBA	1/30/25 13:00	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received in Laboratory by:	EET SPO	1/31/25 1200

Form No. CA-C-WI-002, Rev 4.23, dated 4/16/2019

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-29247-3

Login Number: 29247

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Sample Date 02/12/25 (Eurofins #J29480-1)

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 2/20/2025 7:30:54 PM

JOB DESCRIPTION

Beef NW - Nyssa

JOB NUMBER

590-29480-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

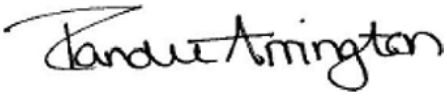
See page two for job notes and contact information.

Job Notes

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

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

Authorization



Generated
2/20/2025 7:30:54 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

Table of Contents

Job Narrative
590-29480-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 2/17/2025 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C.

Hydrocarbons
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.

Sample Summary

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29480-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29480-3	SP-4	Solid	02/12/25 08:41	02/17/25 10:15
590-29480-4	SP-5	Solid	02/12/25 08:49	02/17/25 10:15
590-29480-11	SP-2 & SP-3 Lab Composite	Solid	02/12/25 08:34	02/17/25 10:15
590-29480-12	SP-6 & SP-7 Lab Composite	Solid	02/12/25 09:11	02/17/25 10:15
590-29480-13	SP-8 & SP-9 Lab Composite	Solid	02/12/25 09:33	02/17/25 10:15

Definitions/Glossary

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29480-1

Qualifiers

GC Semi 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.

Glossary

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

Client Sample ID: SP-4

Lab Sample ID: 590-29480-3
Date Collected: 02/12/25 08:41
Matrix: Solid
Date Received: 02/17/25 10:15
Percent Solids: 77.6

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	780		12	5.1	mg/Kg	☼	02/20/25 10:32	02/20/25 12:19	1
Residual Range Organics (RRO) (C25-C36)	24	J	30	6.1	mg/Kg	☼	02/20/25 10:32	02/20/25 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*50 - 150*	*02/20/25 10:32*	*02/20/25 12:19*	*1*
n-Triacontane-d62	*100*		*50 - 150*	*02/20/25 10:32*	*02/20/25 12:19*	*1*

Client Sample ID: SP-5

Lab Sample ID: 590-29480-4
Date Collected: 02/12/25 08:49
Matrix: Solid
Date Received: 02/17/25 10:15
Percent Solids: 78.0

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	58		12	5.2	mg/Kg	☼	02/20/25 10:32	02/20/25 13:01	1
Residual Range Organics (RRO) (C25-C36)	6.3	J	31	6.2	mg/Kg	☼	02/20/25 10:32	02/20/25 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*50 - 150*	*02/20/25 10:32*	*02/20/25 13:01*	*1*
n-Triacontane-d62	*98*		*50 - 150*	*02/20/25 10:32*	*02/20/25 13:01*	*1*

Client Sample ID: SP-2 & SP-3 Lab Composite

Lab Sample ID: 590-29480-11
Date Collected: 02/12/25 08:34
Matrix: Solid
Date Received: 02/17/25 10:15
Percent Solids: 81.0

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	25		12	4.9	mg/Kg	☼	02/20/25 10:32	02/20/25 13:21	1
Residual Range Organics (RRO) (C25-C36)	ND		29	5.9	mg/Kg	☼	02/20/25 10:32	02/20/25 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*02/20/25 10:32*	*02/20/25 13:21*	*1*
n-Triacontane-d62	*96*		*50 - 150*	*02/20/25 10:32*	*02/20/25 13:21*	*1*

Client Sample ID: SP-6 & SP-7 Lab Composite

Lab Sample ID: 590-29480-12
Date Collected: 02/12/25 09:11
Matrix: Solid
Date Received: 02/17/25 10:15
Percent Solids: 78.6

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		12	5.2	mg/Kg	☼	02/20/25 10:32	02/20/25 13:42	1
Residual Range Organics (RRO) (C25-C36)	ND		31	6.2	mg/Kg	☼	02/20/25 10:32	02/20/25 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*02/20/25 10:32*	*02/20/25 13:42*	*1*
n-Triacontane-d62	*96*		*50 - 150*	*02/20/25 10:32*	*02/20/25 13:42*	*1*

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29480-1

Client Sample ID: SP-8 & SP-9 Lab Composite

Date Collected: 02/12/25 09:33
Date Received: 02/17/25 10:15

Lab Sample ID: 590-29480-13

Matrix: Solid
Percent Solids: 78.0

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**33**		13	5.2	mg/Kg	☼	02/20/25 10:32	02/20/25 14:03	1
Residual Range Organics (RRO) (C25-C36)	ND		31	6.3	mg/Kg	☼	02/20/25 10:32	02/20/25 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*50 - 150*	*02/20/25 10:32*	*02/20/25 14:03*	*1*
n-Triacontane-d62	*107*		*50 - 150*	*02/20/25 10:32*	*02/20/25 14:03*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-52466/1-A
Matrix: Solid
Analysis Batch: 52464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		02/20/25 10:32	02/20/25 11:38	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		02/20/25 10:32	02/20/25 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*02/20/25 10:32*	*02/20/25 11:38*	*1*
n-Triacontane-d62	*98*		*50 - 150*	*02/20/25 10:32*	*02/20/25 11:38*	*1*

Lab Sample ID: LCS 590-52466/2-A
Matrix: Solid
Analysis Batch: 52464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52466

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	64.6		mg/Kg		97	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	68.6		mg/Kg		103	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*91*		*50 - 150*
n-Triacontane-d62	*97*		*50 - 150*

Lab Sample ID: 590-29480-3 DU
Matrix: Solid
Analysis Batch: 52464

Client Sample ID: SP-4
Prep Type: Total/NA
Prep Batch: 52466

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	780			772		mg/Kg	☼			1	40
Residual Range Organics (RRO) (C25-C36)	24	J		22.3	J	mg/Kg	☼			7	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*104*		*50 - 150*
n-Triacontane-d62	*96*		*50 - 150*

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29470-1

Client Sample ID: SP-4
Date Collected: 02/12/25 08:41
Date Received: 02/17/25 10:15

Lab Sample ID: 590-29480-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			524K3	02/20/25 10:47	NMI	66E SPT

Client Sample ID: SP-4
Date Collected: 02/12/25 08:41
Date Received: 02/17/25 10:15

Lab Sample ID: 590-29480-3
Matrix: Solid
Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	H550C			15897 .	5 g m	524KK	02/20/25 10:H2	NMI	66E SPT
Total/NA	Analysis	NWEPL-Dx		1	1 g m	1 g m	524K4	02/20/25 12:19	NMI	66E SPT

Client Sample ID: SP-5
Date Collected: 02/12/25 08:49
Date Received: 02/17/25 10:15

Lab Sample ID: 590-29480-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			524K3	02/20/25 10:47	NMI	66E SPT

Client Sample ID: SP-5
Date Collected: 02/12/25 08:49
Date Received: 02/17/25 10:15

Lab Sample ID: 590-29480-4
Matrix: Solid
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	H550C			15847 .	5 g m	524KK	02/20/25 10:H2	NMI	66E SPT
Total/NA	Analysis	NWEPL-Dx		1	1 g m	1 g m	524K4	02/20/25 1H:01	NMI	66E SPT

Client Sample ID: SP-2 & SP-3 Lab Composite
Date Collected: 02/12/25 08:34
Date Received: 02/17/25 10:15

Lab Sample ID: 590-29480-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			524K3	02/20/25 10:47	NMI	66E SPT

Client Sample ID: SP-2 & SP-3 Lab Composite
Date Collected: 02/12/25 08:34
Date Received: 02/17/25 10:15

Lab Sample ID: 590-29480-11
Matrix: Solid
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	H550C			15889 .	5 g m	524KK	02/20/25 10:H2	NMI	66E SPT
Total/NA	Analysis	NWEPL-Dx		1	1 g m	1 g m	524K4	02/20/25 1H:21	NMI	66E SPT

Client Sample ID: SP-6 & SP-7 Lab Composite
Date Collected: 02/12/25 09:11
Date Received: 02/17/25 10:15

Lab Sample ID: 590-29480-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			524K3	02/20/25 10:47	NMI	66E SPT

Lab Chronicle

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29470-1

Client Sample ID: SP-6 & SP-7 Lab Composite

Lab Sample ID: 590-29480-12

Date Collected: 02/12/25 09:11
Matrix: Solid
Date Received: 02/17/25 10:15
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	H550C			15843 .	5 g m	524KK	02/20/25 10:H2	NMI	66E SPT
Total/NA	Analysis	NWEPL -Dx		1	1 g m	1 g m	524K4	02/20/25 1H:42	NMI	66E SPT

Client Sample ID: SP-8 & SP-9 Lab Composite

Lab Sample ID: 590-29480-13

Date Collected: 02/12/25 09:33
Matrix: Solid
Date Received: 02/17/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			524K3	02/20/25 10:47	NMI	66E SPT

Client Sample ID: SP-8 & SP-9 Lab Composite

Lab Sample ID: 590-29480-13

Date Collected: 02/12/25 09:33
Matrix: Solid
Date Received: 02/17/25 10:15
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	H550C			15845 .	5 g m	524KK	02/20/25 10:H2	NMI	66E SPT
Total/NA	Analysis	NWEPL -Dx		1	1 g m	1 g m	524K4	02/20/25 14:0H	NMI	66E SPT

Laboratory References:

66E SPT = 6urofins Spokane, 11922 6ast 1st Ave, Spokane, WA 9920K, E6m(509)924-9200

Accreditation/Certification Summary

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29480-1

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Martin S Burck Associates
Project/Site: Beef NW - Nyssa

Job ID: 590-29480-1

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane
11922 E 1st Avenue

Spokane WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Eurofins Environment Testing America

Client Contact	Project Manager: Jon White	Site Contact:	Date:	COC No: 1 of 1 COCs
Martin S. Burck Associates	Email: jowen@msbaenvironmental.com	Lab Contact:	Carrier:	TALS Project #:
200 N Wasco Ct	Tel/Fax: 541 387.4422			Sampler:
Hood River, OR 97031	Analysis Turnaround Time			For Lab Use Only
Phone 541.387.4422	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
FAX: 541.387.4813	TAT if different from Below: 3-day TAT			Lab Sampling
Project Name: Beef NW - Nyssa	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Job / SDG No.
Site: Beef NW - Nyssa				
PO# Beef NW				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Lab Composite	NTPH-DX	Hold	Sample Specific Notes
SP-2	2/12/25	0827	G	Soil	1			X	✓		Analyze composite of SP-2 & SP-3
SP-3	2/12/25	0834	G	Soil	1			X	✓		
SP-4	2/12/25	0841	G	Soil	1				✓		
SP-5	2/12/25	0849	G	Soil	1				✓		
SP-6	2/12/25	0857	G	Soil	1			+	✓		Analyze composite of SP6 & SP-7
SP-7	2/12/25	0911	G	Soil	1			+	✓		
SP-8	2/12/25	0926	G	Soil	1			*	✓		Analyze composite of SP-8 & SP-9
SP-9	2/12/25	0933	G	Soil	1			*	✓		
SP4-X	2/12/25	1035	G	Soil	1					✓	
SP5-X	2/12/25	1141	G	Soil	1					✓	

590-29480 Chain of Custody

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

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments: 3-day TAT

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C): Obs'd. 3.4 Corr'd. 3.5		Therm ID No.: IR005
Relinquished by: Jon White	Company: MSBA	Date/Time: 2/13/25 13:00	Received by:	Company:	Date/Time: 2/13/25 1015
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-29480-1

Login Number: 29480
List Number: 1
Creator: Vaughan, Madison R

List Source: Eurofins Spokane

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Appendix D

Disposal Documentation

CLAY PEAK LANDFILL
P.O. BOX 777
PAYETTE, ID 83661

30 MALHEUR COUNTY CASH

SITE	TICKET	GRID	WEIGHMASTER
003	01078602		TIMI

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
02/26/25	02/26/25	08:40	09:19	OREGON	

REFERENCE	ORIGIN
KELSEY	MALHEUR COUNTY

SCALE 1 GROSS WT 16190 LB
SCALE 1 TARE WT 9890 LB
NET WEIGHT 6300 LB

Inbound Ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
3.15	TON	MUNICIPAL SOLID WAST	60.000	189.00	0.00	189.00

NET AMOUNT 189.0(
TENDERED
CHANGE
CHECK NO. 467(

OPEN MONDAY-SATURDAY 8:00AM-5:00PM
CLOSED SUNDAYS AND HOLIDAYS

(208) 642-6036

WWNTT TO REORDER FORMS PLEASE VISIT WWW.WASTEWORKS.COM

SIGNATURE _____

Payment Entry Form

Result: Payment Authorized
Confirmation Number: 171694674

Your payment has been authorized successfully and payment will be processed.

Payette County Clay Peak Landfill thanks you for your payment. For questions about your account, please call 208-642-6036. Credit card payments will show up as Clay Peak Landfill Thank you for using our bill payment services.

Please save or print a copy of this receipt for record keeping purposes.

My Bills

Description	Payment Amount
Tipping Fee payment of $189.00 on Account Number 1078602	$189.00

Subtotal:	$189.00
Convenience Fee:	$4.73
Total Payment:	**$193.73**

Customer Information

First Name: KELSEY
Last Name: ROGERS
Phone Number: 2082601813

Payment Information

Payment Date: 02/26/2025
Card Type: Visa
Card Number: **********7165

Signature:_____ **Date:**_____/_____/_____
By signing this receipt you agree to the terms and conditions of this service.

You will see one line item on your credit or debit card statement indicating the amount you paid and will be identified as *Clay Peak Landfill*. If you have any questions about the charges please call 1-888-891-6064.