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Two Union Square
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Seattle, WA 98101
tel: 206.292.2078 fax: 206.682.7867

Memorandum

To: Mark Nelson, Nel/Son Distributing, Inc.

Copies: Dianne K. Conway, Gordon Thomas, Honeywell LLP

From: Kristin Anderson, Floyd|Snider

Date: March 9, 2022

Project No: NelSon-Granite Falls

Re: **One Ballard Property Remedial Excavation Summary**

This memorandum was prepared on behalf of Nel/Son Distributing, Inc. (NelSon Distributing) doing business as NelSon Petroleum. It summarizes the remedial excavation activities completed to remove petroleum-contaminated soil on private property owned by One Ballard LLC (One Ballard; the property is referred to herein as the One Ballard Property) adjacent to NelSon Distributing's former bulk-fuel facility in Granite Falls, Washington (NelSon Petroleum Property).[1] The NelSon Petroleum Property is currently enrolled in the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) under site ID number NW2982. The remedial excavation activities were completed in accordance with an Additional Remedial Excavation Plan memorandum prepared on behalf of NelSon Distributing (Work Plan; Floyd|Snider 2021a).

BACKGROUND

The NelSon Petroleum Property is located at 201 W Stanley Street in Granite Falls, Washington. The southern portion of this property is the location of a former bulk-fuel facility that was operated and reconfigured under various ownership between 1938 and 2016 (SD&C 2008). The bulk-fuel facility was most recently operated by NelSon Distributing. It is bordered by private properties to the north, east, and west and by a City of Granite Falls (City) right-of-way (ROW) to the south. The NelSon Petroleum Property location is shown on Figure 1.

A remedial excavation to remove the bulk-fuel facility structures and on-property extents of petroleum-contaminated soil associated with the bulk-fuel facility was completed in July 2016. Sidewall samples collected from the south and southwest portion of the excavation indicated

[1] The property was referred to in previous reports as the "former NelSon Petroleum Property." It is referred to herein as the "NelSon Petroleum Property" to reflect the fact that NelSon Petroleum maintains ownership of the property.

Certified B Corporation

that soil contamination likely extended off-property in these areas; however, excavation on the One Ballard Property to the west was limited by the presence of buried utilities.

Additional soil characterization identified benzene and gasoline-range organics (GRO) exceeding the Model Toxics Control Act (MTCA) Method A cleanup levels (CULs) in soil extending approximately 20 feet laterally on the west-adjacent One Ballard Property, at depths ranging from approximately 6 to 8 feet below ground surface (bgs). Groundwater in the downgradient direction to the south-southeast of this residual petroleum in soil was not impacted. The City ROW to the south of both properties was found to be impacted by petroleum. The post-remediation soil and groundwater characterization findings were presented in a data summary memorandum to Ecology (Floyd|Snider 2021b).

The Work Plan to address residual contamination on the west-adjacent One Ballard Property was prepared on behalf of NelSon Distributing and submitted to Ecology in July 2021 (Floyd|Snider 2021b). Ecology reviewed the Work Plan and indicated via email on July 16, 2021, that the draft plan was acceptable, and no changes were required. Remedial excavation activities outlined in the Work Plan were completed by the selected contractor, Glacier Environmental Services, Inc. (Glacier) of Mukilteo, Washington, under oversight by a Floyd|Snider field geologist. The area of remedial excavation is shown on Figure 2. Remediation activities were completed in September 2021 and site restoration was fully completed in November 2021. A detailed description of activities completed in accordance with the Work Plan is presented below and key photographs documenting the work are included in Attachment 1.

PERMITS

A City grading permit and ROW construction permit were obtained by Glacier prior to excavation. A Construction Stormwater General Permit (CSGP) was not required for this remedial excavation because the disturbed area was less than 1 acre; however, stormwater controls were implemented in general accordance with the applicable best management practices in the CSGP Stormwater Pollution Protection Plan as described in the Site Controls section below. Copies of permits obtained for remedial excavation are provided in Attachment 2.

UTILITY POTHOLING

Active underground utilities at the One Ballard Property include lateral sewer and water lines running from the City ROW to the east side of the building on the property. A public utility locate request was performed prior to mobilization to the site. Because the locations of the lateral lines were not well known, and as-built drawings provided by One Ballard disagreed regarding where the lines entered the property from the roadway, potholing was performed to uncover these utilities prior to excavation.

Potholing was performed on September 20, 2021, by AQUALIS, a subcontractor to Glacier. The sewer and water line utilities were exposed by loosening overlying soil using a high-pressure spray of potable water followed by vactoring to remove the soil. Potholing was completed along

the south One Ballard Property line, starting at the southeast corner and moving west. A sewer line constructed of 4-inch diameter polyvinyl chloride (PVC) pipe was encountered approximately 12 feet to the west of the southeast property corner (just west of the planned excavation area) at an approximate top-of-pipe depth of 4 feet bgs. The water line was encountered in an adjacent trench 2 feet west of the sewer line. The locations of the utility lines determined during potholing are shown on Figure 3.

SITE PREPARATION

Additional site preparation activities were completed on September 20, 2021. Site preparation tasks included the following:

- Removal of the framing associated with the former shed structure within the planned excavation area
- Removal of the southern portion of the property line fence between the NelSon Petroleum Property and One Ballard Property; installation of secured temporary construction fencing; and re-routing of customer and delivery vehicle traffic to the western access driveway of the One Ballard Property

CONTAMINATED SOIL EXCAVATION

The soil excavation area was marked by the field geologist using fixed points adjacent to the excavation area. Contaminated soil excavation was conducted by Glacier between September 20 and September 24, 2021.

Excavation began at the northwest corner of the planned excavation area and continued to the south and east. Although sloped sidewalls were anticipated in the Work Plan, the native soils encountered on the One Ballard Property were well-consolidated sand with silt/silty sand, which were able to be cut with minimal slope to reduce the total volume of excavated soil.

During excavation, soil was monitored for field indications of contamination, including odor, sheen, and headspace volatiles measured using a photoionization detector (PID). Odor, sheen, and elevated PID readings were encountered primarily in a layer of sand/silty sand encountered at a top depth of approximately 4 to 4.5 feet bgs and extending to a depth of 7 to 7.5 feet bgs. A firm to very firm sandy silt layer underlying the sand did not have any field indications of contamination. The soil excavation continued at the field geologist's direction until no discernable odors were present in soil and PID readings were not significantly elevated relative to background conditions (measured at less than or equal to 1 parts per million by volume [ppmv]). The excavation was expanded slightly to the west based on field indications of contamination, and the final excavation extent is shown on Figure 2. The base of the excavation was defined by the silt layer underlying the sand, with final excavation depths ranging from 7 to 7.5 feet bgs.

Groundwater infiltration in native soil was observed as slow seeps between approximately 4 and 5 feet bgs. Along the eastern excavation boundary, apparent perched stormwater from precipitation that had occurred during the previous week was encountered in quarry spall backfill placed during prior excavation on the adjacent NelSon Petroleum Property. Therefore, a buffer of native soil to control infiltration was left along the eastern edge of the excavation and along the southeastern corner where the 2016 excavation had extended slightly onto the One Ballard Property (Figure 2). Infiltrated water remained in the bottom of the excavation, and the excavation base depth was confirmed by visually monitoring and field screening excavated soil, as well as continually measuring the depth of the excavator bucket relative to ground surface.

The native soil buffers were removed after confirmation samples demonstrated that excavation to remove contaminated soil was complete on the One Ballard Property (refer to the detailed description of confirmation sampling below). Completion of the eastern extent of the excavation was confirmed visually by removing the native soil buffer up to the imported backfill present on the NelSon Petroleum Property. The depth of the native soil buffer excavation was verified by monitoring the excavated soil to confirm that material was fully removed down to the silt layer where field indications of contamination were not present. Removal of the soil buffer included over-excavation of the southeast corner where quarry spall had been placed on One Ballard Property during the previous excavation; in this area, sand with petroleum odor underlying the quarry spall was removed to a depth of 7.5 feet bgs, where the silt layer was encountered. It should be noted that a 2016 excavation confirmation base sample collected in this area had a reported depth of 9 feet bgs (A2F3; refer to Figure 2). Therefore, due to this discrepancy, it is presumed that the previous reference point used to measure sample depth was higher than the reference ground surface used to measure depth during 2021 excavation activities. The excavation was extended to the southern property line at a depth of 7.5 feet bgs and immediately stabilized with imported backfill placed along the southern sidewall.

Confirmation Sample Collection

Confirmation samples were collected to verify that the extents of soil with benzene and GRO exceeding MTCA Method A CULs were fully removed from the One Ballard Property. Samples were collected at the frequency specified in the Ecology Guidance for Remediation of Petroleum Contaminated Sites (Ecology 2016), including two base samples in the approximately 700 square foot excavation area (one base sample per 400 square feet) and three sidewall samples along the 65-foot western sidewall (one sidewall sample per 20 linear feet) including previous boring location FS-02. Sidewall sample locations were surveyed relative to fixed property features and are shown on Figure 2. Confirmation samples were transferred under standard chain of custody procedures to Friedman & Bruya, Inc. in Seattle, Washington, for analysis of petroleum constituents by NWTPH-Gx and NWTPH-Dx and benzene, toluene, ethylbenzene, and xylenes (BTEX) by U.S. Environmental Protection Agency Method 8260. All results were less than the applicable MTCA Method A CULs; GRO and benzene

results for samples remaining in situ, and for removed samples after excavation, are shown on Figure 2. Laboratory analytical reports for confirmation samples are presented in Attachment 3.

Additional Utility Removal

Multiple additional inactive utilities lines or partial utility lines were encountered during excavation on the One Ballard Property. A summary of encountered utilities is presented below and the extents of utilities removed in the excavation area are shown on Figure 3.

A 1.5-inch-diameter PVC pipe and sheathed electrical wire were buried at a depth of approximately 2 feet bgs in the northern portion of the excavation. The pipe was empty, and the electrical wire did not carry any current; therefore, these utilities were presumed to be inactive and potentially associated with the former shed. The PVC pipe and sheathed wire terminated approximately 15 feet to the south of the former shed and were removed during excavation.

A 6-inch-diameter PVC pipe was buried along the eastern One Ballard Property line at a depth of approximately 6 inches to 1 foot bgs. This pipe was presumed to be a storm drain structure for a former paved area on either the One Ballard Property or the NelSon Petroleum Property. The pipe crossed through the planned excavation area near the southern property line and appeared to run toward a catch basin in the adjacent City ROW. The City Department of Public Works was contacted for assistance, and a City crew performed a push camera survey and found that the pipe was not connected to the catch basin. The portion of the PVC pipe in the excavation area was removed during excavation after consultation with the Department of Public Works.

Lastly, a 4-inch-diameter concrete pipe was encountered near the northeast corner of the excavation at a depth of approximately 5 feet bgs. The concrete pipe ran south, then bent 45 degrees to the southwest toward the One Ballard sewer line. The pipe was presumed to be a former sewer service line for the NelSon Petroleum Property and the portion that ran through the excavation area was removed. The concrete pipe appeared to drain water from the base of excavation when the end was initially exposed. Pending investigation, the pipe was plugged with an inflatable plug at the western edge of the excavation while excavation activities were completed. The City Department of Public Works performed an additional push camera survey from the nearest manhole location on the south side of W Stanley Street but could not reach the One Ballard Property with the push camera. The Department of Public Works instructed Glacier to permanently plug the end of the pipe and mark the location at the ground surface in case a future customer wished to recommission the line.

After excavation was completed, the excavation was dewatered to allow grout to be placed in the end of the presumed concrete sewer pipe. But after removing the inflatable plug, the pipe did not appear to drain additional water. The excavation was backfilled, and following further consultation with the One Ballard Property owner and the Department of Public Works, it was determined that a cap should be placed near the connection point of the concrete pipe to the active sewer service line.

A follow-up potholing investigation was performed on October 4, 2021, to further assess the potential connection of the concrete pipe to existing sewer services. Potholing was completed as a continuous trench along the active PVC sewer line from the southern boundary of the One Ballard Property to the north toward the end of the concrete pipe in the excavation, approximately 25 feet north of the southern property line. No lines were found to be connected to the PVC sewer pipe, and the pipe depth was measured at 3 feet bgs at the northern end of the pothole trench (i.e., approximately 2 feet shallower than the depth of the concrete pipe). Based on the results of the additional pothole excavation, the concrete pipe discovered during excavation does not connect to sewer services on the One Ballard Property.

SOIL HANDLING AND DISPOSAL

Available chemical analytical data demonstrated that excavated soil was suitable for disposal as Class 2 petroleum contaminated soil for landfill disposal or Class 3 petroleum contaminated soil for thermal desorption at Iron Mountain Quarry landfill, a permitted disposal facility in Granite Falls. Disposal authorization was obtained from Iron Mountain by NelSon Distributing (as the generator of the waste soil) prior to construction. Due to the small volume of potential overburden and excavation methodology, all loads were disposed as Class 3. A total of 13 truckloads containing approximately 161 tons of contaminated soil were disposed of at Iron Mountain. Soil disposal documentation is provided in Attachment 4.

A truck loading area was established on the NelSon Petroleum Property adjacent to the east side of the excavation. Excavated soil that did not contain free water was loaded directly into trucks for transport to Iron Mountain. Soil with free water was allowed to drain thoroughly before loading in a bermed, plastic-lined stockpile area at the edge of the excavation, which was sloped to allow water to run back into the excavation. The temporary stockpile was dismantled and disposed with contaminated soil after completion of excavation. The ground surface in the loading area was scraped after each truckload was hauled off-site. All truckloads of contaminated soil were covered during transport to the disposal facility.

During potholing activities prior to excavation, sheen and petroleum odor were encountered in soil, as anticipated based on prior characterization borings in the vicinity. The presumed contaminated soil and water collected in the vactor truck during potholing were disposed as petroleum-contaminated solids and water at Marine Vacuum Service, Inc. (MarVac) in Seattle, Washington. Dewatering water generated during excavation dewatering, to expose the historical concrete sewer, was pumped into a poly tank on the NelSon Petroleum Property and subsequently removed and disposed by MarVac. Soil and water generated during additional potholing, completed in an attempt to locate the potential connection point of the historical concrete sewer, did not have indications of contamination; however, these materials were not geotechnically suitable for backfilling and were also transported off-site for disposal at MarVac. A total of 2,000 gallons of water/soil mixture were generated by vactoring, and 3,200 gallons of dewatering water were disposed of by MarVac at their Seattle facility. Disposal documentation is provided in Attachment 4.

SITE CONTROLS

Site controls were implemented to ensure public safety and prevent the spread of contamination during remediation activities.

Excavation and handling of contaminated soil were performed inside a fully fenced work area. The fence was secured at the end of each workday.

Temporary erosion and sediment control measures were implemented and inspected regularly to ensure that contaminated soil did not leave the property. Erosion controls consisted of the following:

- Storm drain inlets adjacent to the work area were protected with filter inserts prior to beginning construction.
- The excavation was sloped such that stormwater could not run out of the excavation area; there was no measurable rainfall during excavation activities.
- A stabilized truck access point was established on the NelSon Petroleum Property and the paved driveway used for truck access was swept regularly to prevent track-out of potentially contaminated soil.
- Contaminated materials were not stockpiled during construction except during temporary dewatering prior to loading in the lined stockpile area as described above. Stockpiles of clean imported materials were used immediately and not allowed to sit on the property.

The contractor maintained a spill kit on the One Ballard Property containing sufficient sorbent materials and diking materials to contain the quantity of fuel on the property. Containers of fuel were not stored on the property and no fuel releases occurred during construction.

Equipment was inspected when switching between handling contaminated soil and handling clean backfill, and dry decontamination was conducted as needed to ensure a debris-free surface. Oily residues were not observed on equipment, and decontamination with soap was not necessary during any phase of the work. Site personnel contact with contaminated soil generally occurred only when conducting field screening, or in limited circumstances when personnel entered the excavation for closer inspection of encountered utilities. Decontamination protocols for personnel were followed after any contact with contaminated soil and they included dry-brushing of work boots and discarding gloves worn when handling soil.

HEALTH AND SAFETY

Remedial construction activities involving contaminated soil handling and excavation oversight were performed by personnel with Occupational Safety and Health Administration (OSHA) Hazardous Waste and Emergency Response (HAZWOPER) 40-hour training certification. Work

was performed in accordance with Floyd|Snider's and Glacier's Health and Safety Plans, consistent with OSHA and Washington Industrial Safety and Health Act requirements.

During contaminated soil excavation and loading, volatiles concentrations in the breathing space of the work area was measured using a PID. PID readings were generally 0 ppmv, with brief spikes of up to approximately 2 ppmv immediately after disturbing contaminated soil that dissipated in less than 5 seconds. Air monitoring action levels were never exceeded, and no corrective actions for site safety were necessary due to air quality.

PROPERTY RESTORATION

After receipt of confirmation sample analytical results indicating concentrations of petroleum constituents and BTEX were less than MTCA A CULs, the excavation was backfilled with a combination of quarry spalls (placed below the water table) and imported gravel backfill from Iron Mountain Quarry. A sample of the gravel backfill material was obtained by Floyd|Snider prior to importation and analyzed for petroleum constituents, metals, selected volatile organic compounds and polychlorinated biphenyls to ensure that the material met all applicable MTCA Method A CULs for unrestricted property use. The laboratory analytical report for the backfill sample is provided in Attachment 3. The backfill was compacted using a vibratory plate compactor.

The existing property fence was restored to its previous alignment and the crushed gravel surfacing on the One Ballard Property and adjoining unpaved portion of City ROW was restored to match the existing ground surface. Property restoration was completed on November 2, 2021. All equipment was demobilized from the property after completion of the property restoration.

SUMMARY AND RECOMMENDATIONS

This memorandum documents the successful removal of all remaining petroleum contamination in soil exceeding MTCA cleanup levels on the One Ballard Property, west-adjacent to the former NelSon Petroleum bulk-fuel facility. Prior excavation completed in 2016 and subsequent additional soil boring investigation performed by Floyd|Snider confirmed that contaminated soil was fully removed from the NelSon Petroleum Property except for the de minimis area of shallow soil left in place to preserve monitoring well MW-04 (Floyd|Snider 2021b). Additionally, groundwater monitoring at wells downgradient and cross-gradient of the historical petroleum releases at the former bulk-fuel facility (including at MW-04) has demonstrated that groundwater is not impacted at either the One Ballard or NelSon Petroleum Properties. Therefore, all impacts to private property resulting from releases at the former NelSon Petroleum facility have been fully remediated.

A limited area of soil contamination remains, however, in the City ROW of W Stanley Street adjacent to the NelSon Petroleum and One Ballard Properties. W Stanley Street is the main thoroughfare in Granite Falls. Given the importance of W Stanley Street to travel and commerce in Granite Falls, it is assumed that a covenant or covenant equivalent would be the City's preferred approach to address contamination in the City ROW.

REFERENCES

Floyd|Snider. 2021a. *Additional Remedial Excavation Plan*. Memorandum from Kristin Anderson, Floyd|Snider, to Mark Nelson, Nel/Son Distributing, Inc. 14 July.

Floyd|Snider. 2021b. *Data Summary for the Former NelSon Petroleum Property.* Memorandum from Kristin Anderson, Floyd|Snider, to Mark Nelson, Nel/Son Distributing, Inc. 26 April.

Washington State Department of Ecology (Ecology). 2016. *Guidance for Remediation of Petroleum Contaminated Sites.* Publication NO. 10-09-057. Revised June.

LIST OF ATTACHMENTS

Figure 1 Property Location Map

Figure 2 Excavation and Confirmation Sample Summary

Figure 3 Utility Map

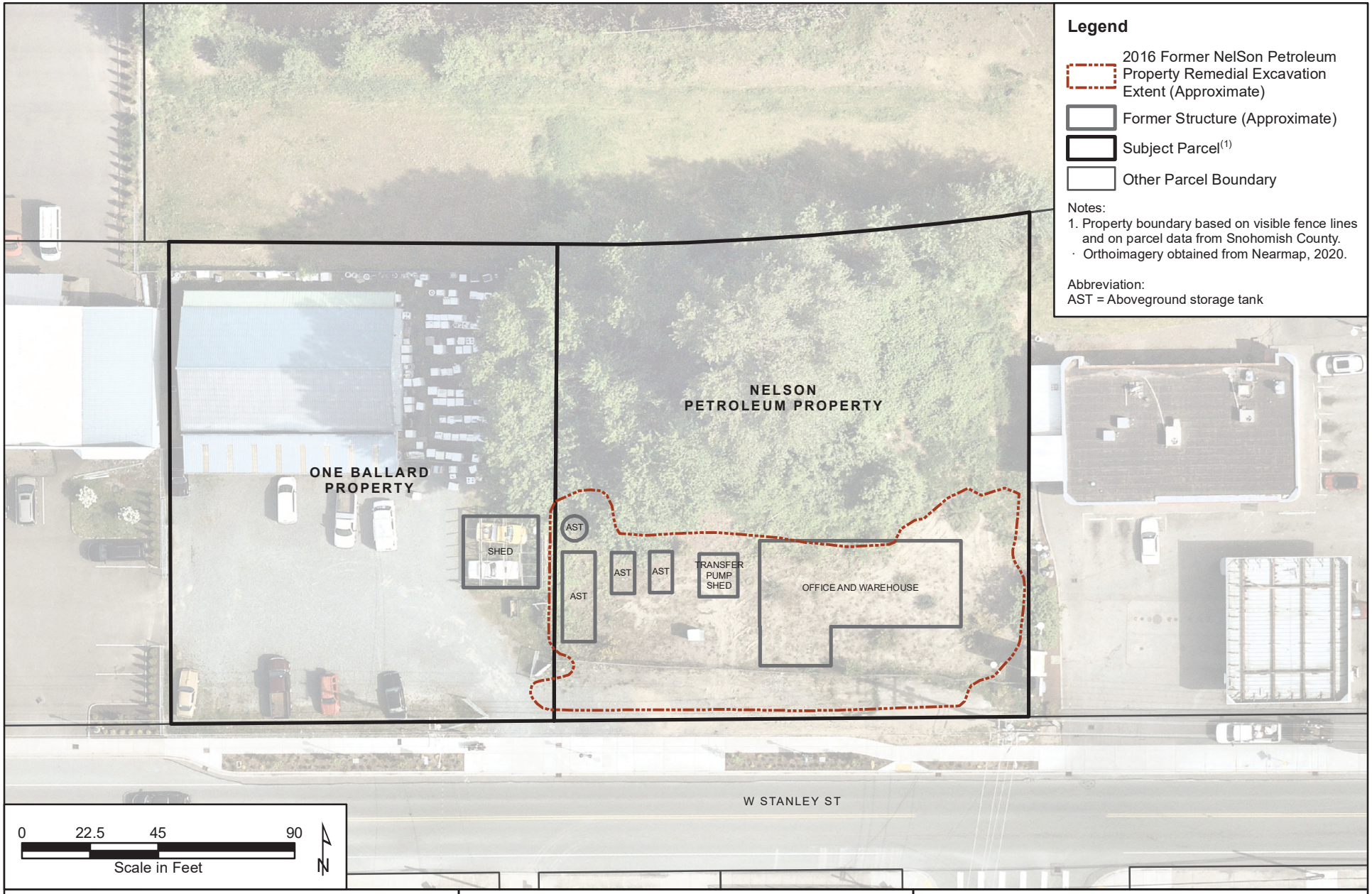
Attachment 1 Key Photographs

Attachment 2 Construction Permits

Attachment 3 Laboratory Analytical Data Reports

Attachment 4 Disposal Documentation

Figures



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One Ballard Property
Remedial Excavation Summary
NelSon Petroleum Property
Granite Falls, WA

Figure 1
Property Location Map

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1/21/2022

Legend

- Monitoring Well
- 2021 Confirmation Soil Sample
- 2016 Confirmation Soil Sample
- 2016 Confirmation Soil Sample (Removed)
- 2020 Direct Push Soil Sample
- 2020 Direct Push Soil Sample (Removed)
- 2019 Test Pit Soil Sample
- 2021 One Ballard Property Excavation Extent
- 2016 Former NelSon Petroleum Property Remedial Excavation Extent (Approximate)
- Subject Parcel(1)
- Former Structure (Approximate)

0 5 10 20
Scale in Feet

N

ONE BALLARD PROPERTY

NELSON PETROLEUM PROPERTY

SHED

AST

AST

AST

AST

MW-05

A2NW		
Depth	Benzene	GRO
6–6	0.030 U	3.0 U

A2F2		
Depth	Benzene	GRO
9–9	0.030 U	4.9

FS-01		
Depth	Benzene	GRO
5–6	0.020 U	**110**
6.5–7.5	**0.18**	5.0 U

FS-13		
Depth	Benzene	GRO
4.5–5.5	0.020 U	14

SIDE-01		
Depth	Benzene	GRO
5–5	0.020 U	5.0 U

BASE-01		
Depth	Benzene	GRO
7–7	0.020 U	5.0 U

A2WW		
Depth	Benzene	GRO
6–6	*0.060 U*	**110** (2)

A2F		
Depth	Benzene	GRO
9–9	0.030 U	3.0 U

FS-02		
Depth	Benzene	GRO
4–5	0.020 U	5.0 U

BASE-02		
Depth	Benzene	GRO
7.5–7.5	0.020 U	5.0 U

SIDE-02		
Depth	Benzene	GRO
5–5	0.020 U	19

MW-04		
Depth	Benzene	GRO
3–3	*0.15 U*	**120** (2)

A2SWW		
Depth	Benzene	GRO
6–6	**0.36**	**150** (2)

A2F3		
Depth	Benzene	GRO
9–9	**0.49**	14

A2SW		
Depth	Benzene	GRO
6–6	*0.60 U*	**770** (2)

FS-03		
Depth	Benzene	GRO
4.5–5	0.020 U	5.0 U

FS-04		
Depth	Benzene	GRO
2–3	**0.44**	**410**
4.5–5	0.020 U	5.0 U

FS-05		
Depth	Benzene	GRO
5–6	*0.20 U*	**550**
7–8	**0.16**	15

FS-06		
Depth	Benzene	GRO
4.5–5	0.020 UJ	**950**
7–8	0.020 U	11

FSTP-05		
Depth	Benzene	GRO
4–4	0.020 U	**170**

W STANLEY ST

Notes:
1. Property boundary based on visible fence lines in the east and west and on parcel data from Snohomish County in the north and south.
2. Sample contains highly weathered gasoline.

- Results shown in **RED BOLD** indicate a result that exceeds the MTCA Method A cleanup level for benzene (0.030 mg/kg) or GRO (30 mg/kg) *Italics* indicate a reporting limit that exceeds the applicable cleanup level.
- Depths are presented in feet bgs and benzene and GRO results are presented in mg/kg.
- Direct push soil sample depths are approximate due to sample compression.
- Measuring point for 2016 confirmation soil samples is presumed to be higher than current ground surface.
- Orthoimagery obtained from Nearmap, 2020.

Abbreviations:
AST = Aboveground storage tank
bgs = Below ground surface
GRO = Gasoline-range organics
MTCA = Model Toxics Control Act
mg/kg = Milligrams per kilogram

Qualifiers:
U = Analyte was not detected at the given reporting limit.
UJ = Analyte was not detected at the given reporting limit; reporting limit is considered an estimate.

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One Ballard Property
Remedial Excavation Summary
NelSon Petroleum Property
Granite Falls, WA

Figure 2
Excavation and Confirmation Sample Summary

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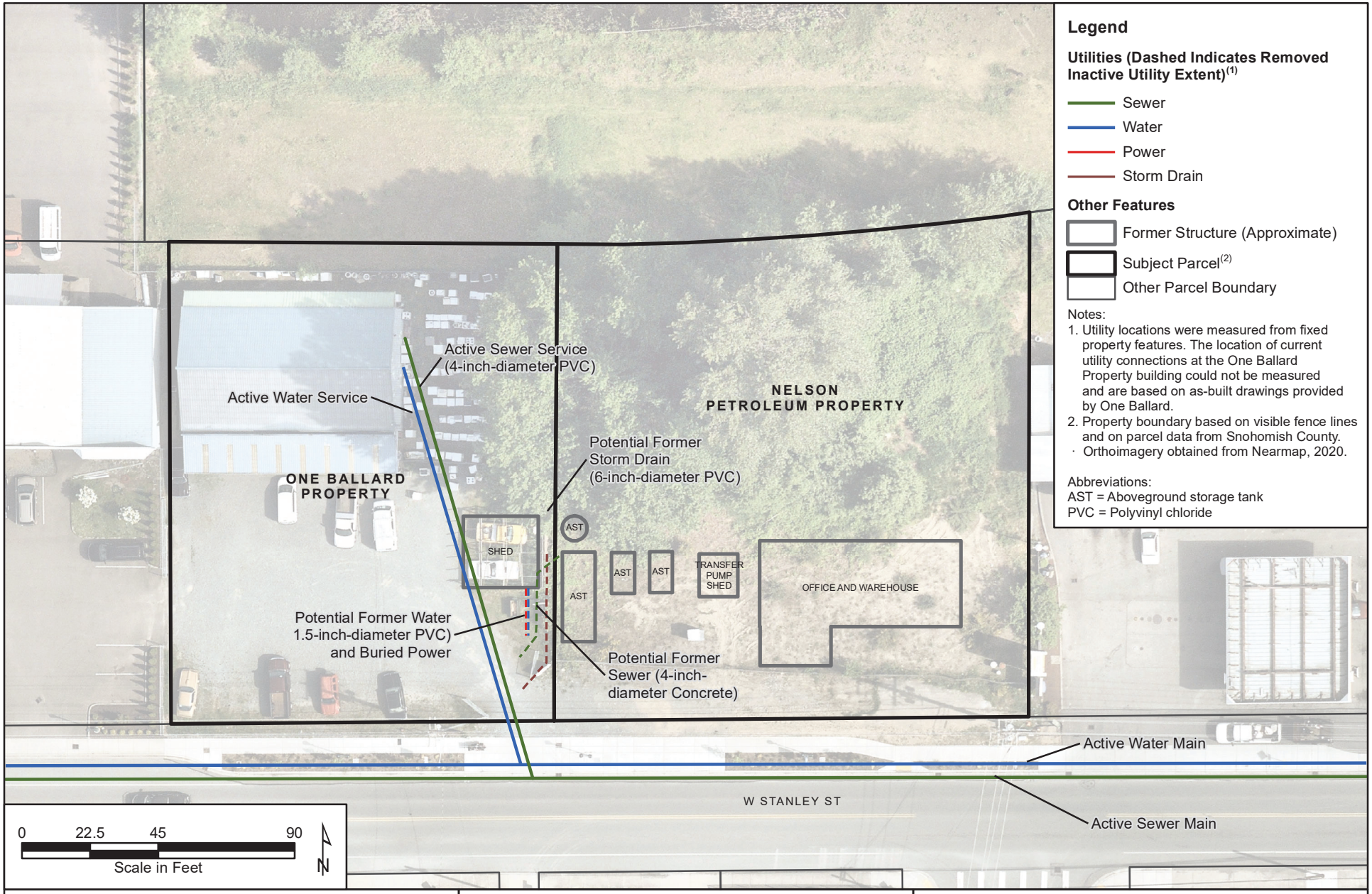
1/21/2022



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One Ballard Property
Remedial Excavation Summary
NelSon Petroleum Property
Granite Falls, WA

Figure 3
Utility Map

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1/21/2022

Attachment 1
Key Photographs

Photograph 1. Utility potholing for active water and sewer lines (facing northeast).

Photograph 2. Removal of property line fence (facing north).

Photograph 3. Temporary fence and northwest corner of excavation area (facing north).

Photograph 4. Presumed 1.5-inch-diameter PVC water line and buried power (facing east).

Photograph 5. Excavation with native soil buffer (facing east).

Photograph 6. Stabilized truck entrance and demolition of temporary stockpile (facing west).

Photograph 7. Placement of backfill adjacent to City ROW (facing southwest).

Photograph 8. Removal of native soil buffer during backfilling (facing south).

Photograph 9. Presumed 6-inch-diameter PVC drainage pipe (facing southwest).

Photograph 10. Additional pothole investigation of active sewer line connections (facing north).

Attachment 2
Construction Permits

RECEIVED

SEP 07 2021

City of Granite Falls

GRANITE FALLS

215 South Granite Avenue/P.O. Box 1744
Granite Falls, WA 98252
360-691-6441

Fill & Grade Construction Permit
Public Works, Land Use, and Utility Work

Checklist for Fill & Grade Applications

1. Completed Fill & Grade application ☒
2. Construction plans or standard details (4 sets) ☐
3. Completed Bond Quantity Worksheet (applicable only for existing or future public facilities) ☐
4. Check for total fees (Application, Insurance and Yardage) ☐

Property Tax Account Number: _____ Date Submitted _____

Applicant Glacier Environmental Services Phone 425-355-2826

Property Owner Nelson Distributing Phone _____

Site Address 201 W Stanley Street
Granite Falls, WA

Contact Name Phil Stellflug Phone 425-355-2826

Emergency Contact Lavern Miles Phone 425-355-2826

Contractor Glacier Environmental Services Phone 425-355-2826

Contractor Address PO Box 1497 Mukilteo, WA 98275

Description of work (attach drawings):

Remove Petroleum Contaminated Soil and Fill the Resulting Excavation with Clean Import Fill Material

Amount of Fill 150 cubic yards

Amount of Cut 150 cubic yards

Starting Date 9-21-2021 Termination Date 9-30-2021

Office Use Only

Fees:

Application Fee: $25 up to 30 cubic yards ☐ $50 if over 30 cubic yards ☒ Date: 9/8/2021

Yardage Fee (larger of Cut or Fill): 150 Cubic Yards * $0.33/cubic yard = $ 49.50

Issuance Fee: $25 up to 30 cubic yards ☐ $50 if over 30 cubic yards ☒ Date: 9/8/2021

Total Fee = App + Issuance + Yardage = 149.50 (Does not include review fees, if applicable.)

Permit Issuance Date: 9/8/2021

Permit is valid for 6 months from the date of issuance. A new permit and fees will be required if work is not completed within this time frame.

FEES ARE NOT TRANSFERABLE

THE FOLLOWING ARE EXEMPT FROM THE REQURIEMENTS OF FILL & GRADE PERMITS

- All Work within City Right-of-Way – Right-of-Way permit is required
- Total Fill & Grade Activities below the following thresholds:

Lot Size (Square Feet)	Total Cubic Yards	Sq ft of new Impervious Area
< 5000	10	400
5000 – 7199	20	600
7200 – 9599	30	900
9600 – 2 acres	50	1500
> 2 acres	100	2000

Note: Fill & grade activities are subject to the State Environmental Protection Act (SEPA). Stormwater runoff from new impervious area, regardless of size, must be controlled to prevent impacts to adjacent properties.

Other Requirements

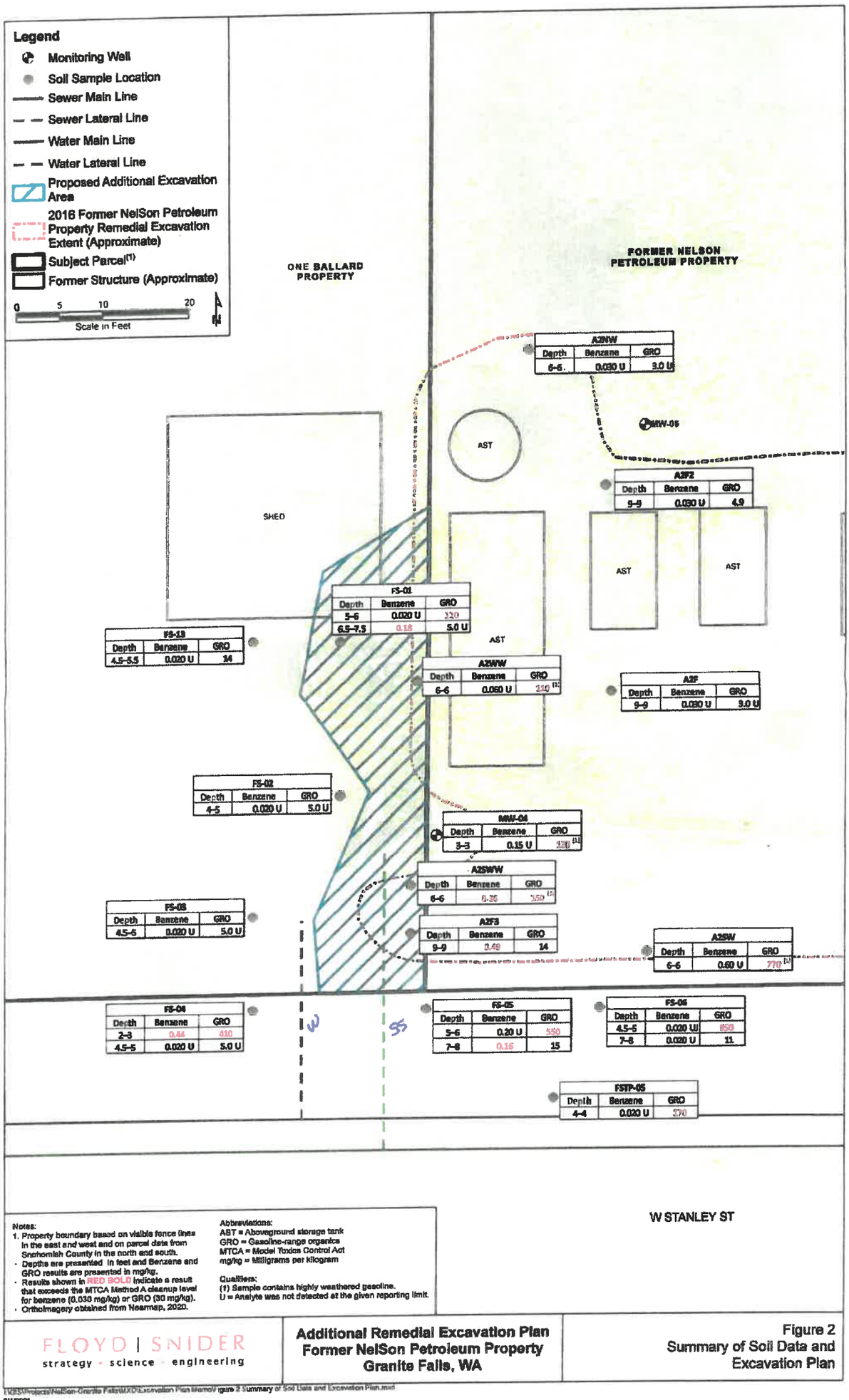
1. The applicant shall secure all other necessary or required permits, licenses, or legal approvals before starting work.
2. The permittee is responsible for all site safety during the course of construction.
3. The permittee shall utilize appropriate erosion control measures to prevent migration of sediment off of the site, or into streams or other waterbodies.
4. The City must be notified of the work a minimum of 24 hours notice (one full working day) in advance of the construction.
5. The City may require a preconstruction meeting depending upon the scope of the project.
6. The applicant agrees to pay all plan review and inspection fees.
7. By signing this document you agree that you have read and understand all provisions as provided.

PROPERTY OWNER ☐ **AGENT** ☒

SIGNATURE: Phil Sfeddeg DATE: 9-7-2021

In signing this application, the landowners(s) or his agent hereby grants the City of Granite Falls, or its designated representative the right to enter the above described location to inspect the proposed, in progress, or completed work.

RECEIVED
SEP 07 2021
City of Granite Falls



Notes:
1. Property boundary based on visible fence lines in the east and west and on parcel data from Snohomish County in the north and south.
- Depths are presented in feet and Benzene and GRO results are presented in mg/kg.
- Results shown in **RED BOLD** indicate a result that exceeds the MTCA Method A cleanup level for benzene (0.030 mg/kg) or GRO (30 mg/kg).
- Orthoimagery obtained from Nearmap, 2020.

Abbreviations:
AST = Aboveground storage tank
GRO = Gasoline-range organics
MTCA = Model Toxics Control Act
mg/kg = Milligrams per kilogram

Qualifiers:
(1) Sample contains highly weathered gasoline.
U = Analyte was not detected at the given reporting limit.

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Additional Remedial Excavation Plan
Former NelSon Petroleum Property
Granite Falls, WA

Figure 2
Summary of Soil Data and Excavation Plan

I:\GIS\Projects\NelSon-Granite Falls\MXD\Excavation Plan Memo\Figure 2 Summary of Soil Data and Excavation Plan.mxd
2/4/2021

GRANITE FALLS

CITY OF GRANITE FALLS

215 South Granite Avenue/ P.O.Box 1440
Granite Falls, WA 98252
TEL: 360-691-6441 - FAX: 360-691-6734

RIGHT-OF-WAY PERMIT APPLICATION

Date:	9/7/2021	City Business Lic#: See attached ✓	Permit # 2021-028
Project Address: 201 W Stanley Street Granite Falls, WA			See Page 2. For Special Conditions

APPLICANT: ☐ Property Owner ☒ Contractor ☐ Business ☐ Other:			
Property Owner or Business:			
Address: 201 W. Stanley St		City/St/Zip: Granite Falls WA	
Phone:		Email:	
Contractor: Glacier Environmental Ser.		Contact: Phil Stellflug	
Address: PO Box 1697		City/St/Zip: Mukilteo, WA 98275	
Phone: 425-355-2826		Email: PStellflug@GlacierEnviro.com	
State Lic#: 601225417		Expiration Date: Jan 31, 2022	

Description of Work: ☐ New Construction ☐ Repair ☒ Other:
Identify Work Area Detail. I.e., Westside of the 100 block of S. Granite at 102 in street.
See attached Site Map

Description of Work: (include two sets of plans and two sets of traffic control plan).

Remove Petroulem Contaminated Soil AND BACK-Fill Excavation	Total Lineal Feet in ROW:
Start Date: 9/20/2021	End Date: 9/30/2021 Work Hours: 7/5 Mon-Fri

FOR OFFICAL USE ONLY

PRE-CON MEETING DATE: N/A	TRAFFIC CONTROL PLAN REQUIRED: N/A	
SITE INSPECTION REQUIRED: N/A	BONDING REQUIRED: —	AMOUNT: —
$50 APP FEE PAID:	PERMIT FEE PAID:	BONDING PAID:
SPECIAL CONDITIONS: NONE (see pg. 2)	FINAL INSPECTION REQURED: N/A	

RECEIVED
SEP 07 2021
City of Granite Falls

APPROVALS:

Deputy Clerk	*City Clerk*	*Public Works*
—	Darla Reese	
DATE: N/A	DATE: 9/7/2021	DATE: 9/8/21

Special Conditions:

Pre-Construction Requirements:

* All fees must be paid prior project start date.
* Utility locates are required for any excavation work. 48-hours in advance (1-800-424-5555).
* Pre-construction meeting if required.
* Traffic control plan (MUTCD compliant).
* Proof of insurance.

During Construction:

* Permit must be kept and available on site at all times.
* All work and restoration work must comply with current developer standards.
* Maintain a safe and clean work area for pedestrians and vehicle traffic.
* No work during the hours of 7:00pm-7:00am. Excluding emergency work with city notification.

After Project completion:

* Final inspection if required with 24-hours notice.

Fee Worksheet:

Application Fee:		$50.00	$ 50.00
Permit Fee:		$100.00 (Includes first 50ft)	$ 100.00
Additional LF per foot:	Open cut:	$1.00	$ —
	Trenchless:	$0.50	
	Overhead:	$0.25	Permit Total: $ 150.00

I hereby attest and acknowledge that I have read a the above conditions and requirements of this permit and have full understanding of the same. I agree to indemnify, hold harmless, and defend the City, its elected officials, officers, employees, agents, from and against any and all claims, lawsuits, damages, costs, charges, or other losses, whether to persons or property resulting from, arising out of, or related in any manner to the activities conducted under this permit.

Phil Stellflug	Phil Stellflug	9/7/2021
Applicant Signature	Printed Name	Date

BUSINESS LICENSE

Issue Date: Aug 20, 2021
Unified Business ID #: 601225417
Business ID #: 001
Location: 0001
Expires: Jan 31, 2022

Profit Corporation

GLACIER ENVIRONMENTAL SERVICES, INC.
3415 121ST ST SW
LYNNWOOD WA 98087-1549

UNEMPLOYMENT INSURANCE - ACTIVE
INDUSTRIAL INSURANCE - ACTIVE
MINOR WORK PERMIT - ACTIVE
TAX REGISTRATION - ACTIVE

CITY ENDORSEMENTS:

MUKILTEO GENERAL BUSINESS - NON-RESIDENT - ACTIVE
PUYALLUP GENERAL BUSINESS - NON-RESIDENT - ACTIVE
CENTRALIA GENERAL BUSINESS - NON-RESIDENT (EXPIRES 4/30/2022) - ACTIVE
BELLINGHAM GENERAL BUSINESS #022919 - ACTIVE
GRANITE FALLS GENERAL BUSINESS - NON-RESIDENT (EXPIRES 8/31/2022) - ACTIVE
SKYKOMISH GENERAL BUSINESS - NON-RESIDENT - ACTIVE
BREMERTON GENERAL BUSINESS - NON-RESIDENT #34480 (EXPIRES 12/31/2021) - ACTIVE

DUTIES OF MINORS:

Ages 16-17: Clean up around shop, parts runner. *MINOR MAY NOT WORK AT HEIGHTS GREATER THAN 10 FT OFF THE GROUND OR FLOOR LEVEL.*

LICENSING RESTRICTIONS:

It is the business's responsibility to comply with minor work permit requirements. See WAC 296-125-030 and WAC 296-125-033 for Non-Agricultural and WAC 296-131-125 for Agricultural guidelines and restricted activities.

Occupations involving exposure to substances which are carcinogenic, corrosive, highly toxic, toxic sensitizers, or that cause reproductive health effects or irreversible end organ damage is prohibited for minors under 18. WAC 296-125-030(25)

Vicki Smith

UBI: 601225417 001 0001

Expires: Jan 31, 2022

GLACIER ENVIRONMENTAL SERVICES, INC.
3415 121ST ST SW
LYNNWOOD WA 98087-1549

UNEMPLOYMENT INSURANCE - ACTIVE
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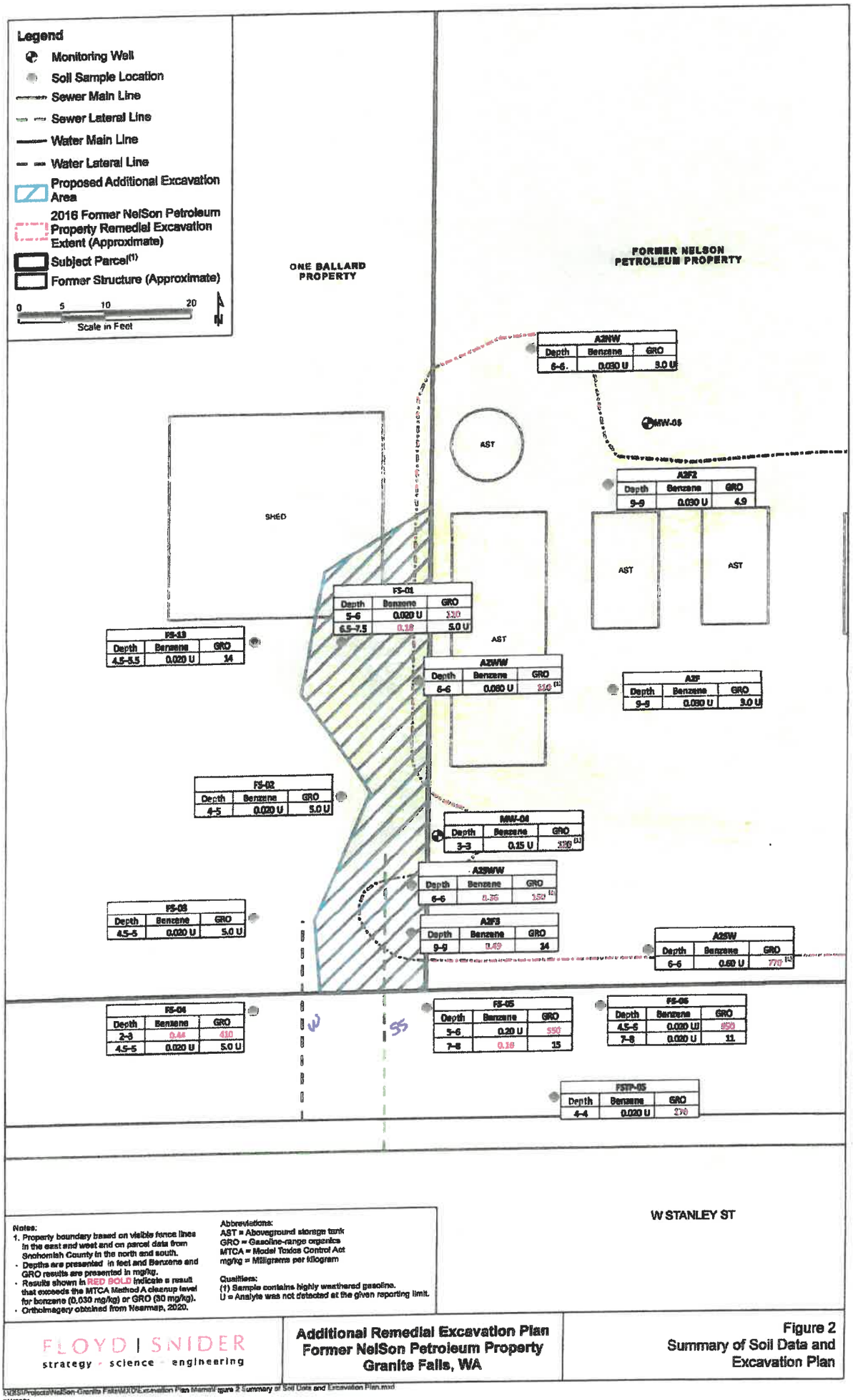
GRANITE FALLS GENERAL BUSINESS - NON-RESIDENT (EXPIRES 8/31/2022) - ACTIVE

Vicki Smith

gel0002

RECEIVED
SEP 07 2021
City of Granite Falls



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Additional Remedial Excavation Plan
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Granite Falls, WA

Figure 2
Summary of Soil Data and Excavation Plan

I:\GIS\Projects\NelSon-Granite Falls\MXD\Excavation Plan Memo\Figure 2 Summary of Soil Data and Excavation Plan.mxd
2/4/2021

Attachment 3
Laboratory Analytical Data Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

September 23, 2021

Kristin Anderson, Project Manager
Floyd-Snider
Two Union Square
601 Union St, Suite 600
Seattle, WA 98101

Dear Ms Anderson:

Included are the results from the testing of material submitted on September 20, 2021 from the Nelson - Granite Falls, F&BI 109346 project. There are 16 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
FDS0923R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on September 20, 2021 by Friedman & Bruya, Inc. from the Floyd-Snider Nelson - Granite Falls, F&BI 109346 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Floyd-Snider
109346 -01	Fill
109346 -02	Base-01-7 ft

All quality control requirements were acceptable.

Date of Report: 09/23/21
Date Received: 09/20/21
Project: Nelson - Granite Falls, F&BI 109346
Date Extracted: 09/21/21
Date Analyzed: 09/22/21

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
Fill 109346-01	<5	96
Method Blank 01-1948 MB	<5	95

Date of Report: 09/23/21
Date Received: 09/20/21
Project: Nelson - Granite Falls, F&BI 109346
Date Extracted: 09/21/21
Date Analyzed: 09/22/21

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
Base-01-7 ft 109346-02	<0.02	<0.02	<0.02	<0.06	<5	79
Method Blank 01-1948 MB	<0.02	<0.02	<0.02	<0.06	<5	79

Date of Report: 09/23/21
Date Received: 09/20/21
Project: Nelson - Granite Falls, F&BI 109346
Date Extracted: 09/21/21
Date Analyzed: 09/21/21

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
Fill 109346-01	<50	<250	88
Base-01-7 ft 109346-02	<50	<250	93
Method Blank 01-2167 MB	<50	<250	93

Analysis For Total Metals By EPA Method 6020B

Client ID:	Fill	Client:	Floyd-Snider
Date Received:	09/20/21	Project:	Nelson - Granite Falls, F&BI 109346
Date Extracted:	09/21/21	Lab ID:	109346-01
Date Analyzed:	09/21/21	Data File:	109346-01.106
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	5.28
Cadmium	<1
Chromium	8.10
Lead	<1
Mercury	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Floyd-Snider
Date Received:	NA	Project:	Nelson - Granite Falls, F&BI 109346
Date Extracted:	09/21/21	Lab ID:	I1-586 mb2
Date Analyzed:	09/21/21	Data File:	I1-586 mb2.098
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Fill	Client:	Floyd-Snider
Date Received:	09/20/21	Project:	Nelson - Granite Falls, F&BI 109346
Date Extracted:	09/21/21	Lab ID:	109346-01
Date Analyzed:	09/21/21	Data File:	092111.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	90	109
Toluene-d8	98	89	112
4-Bromofluorobenzene	99	84	115

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Benzene	<0.03
Trichloroethene	<0.02
Toluene	<0.05
Tetrachloroethene	<0.025
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Floyd-Snider
Date Received:	Not Applicable	Project:	Nelson - Granite Falls, F&BI 109346
Date Extracted:	09/21/21	Lab ID:	01-2122 mb
Date Analyzed:	09/21/21	Data File:	092105.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	90	109
Toluene-d8	97	89	112
4-Bromofluorobenzene	98	84	115

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Benzene	<0.03
Trichloroethene	<0.02
Toluene	<0.05
Tetrachloroethene	<0.025
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Fill	Client:	Floyd-Snider
Date Received:	09/20/21	Project:	Nelson - Granite Falls, F&BI 109346
Date Extracted:	09/21/21	Lab ID:	109346-01 1/6
Date Analyzed:	09/21/21	Data File:	092109.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	96	23	120

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Floyd-Snider
Date Received:	Not Applicable	Project:	Nelson - Granite Falls, F&BI 109346
Date Extracted:	09/21/21	Lab ID:	01-2156 mb3 1/6
Date Analyzed:	09/21/21	Data File:	092105.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	101	23	120

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Date of Report: 09/23/21
Date Received: 09/20/21
Project: Nelson - Granite Falls, F&BI 109346

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 109297-27 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	82	66-121
Toluene	mg/kg (ppm)	0.5	87	72-128
Ethylbenzene	mg/kg (ppm)	0.5	89	69-132
Xylenes	mg/kg (ppm)	1.5	87	69-131
Gasoline	mg/kg (ppm)	20	95	61-153

Date of Report: 09/23/21
Date Received: 09/20/21
Project: Nelson - Granite Falls, F&BI 109346

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 109346-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	84	84	64-133	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	80	58-147

Date of Report: 09/23/21
Date Received: 09/20/21
Project: Nelson - Granite Falls, F&BI 109346

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 109314-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<5	100	94	75-125	6
Cadmium	mg/kg (ppm)	10	<5	98	99	75-125	1
Chromium	mg/kg (ppm)	50	17.6	91	85	75-125	7
Lead	mg/kg (ppm)	50	<5	91	90	75-125	1
Mercury	mg/kg (ppm	5	<5	100	94	75-125	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	92	80-120
Cadmium	mg/kg (ppm)	10	95	80-120
Chromium	mg/kg (ppm)	50	98	80-120
Lead	mg/kg (ppm)	50	90	80-120
Mercury	mg/kg (ppm)	5	100	80-120

Date of Report: 09/23/21
Date Received: 09/20/21
Project: Nelson - Granite Falls, F&BI 109346

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 109346-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	1	<0.05	69	73	10-138	6
Chloroethane	mg/kg (ppm)	1	<0.5	78	78	10-176	0
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	91	90	10-160	1
Methylene chloride	mg/kg (ppm)	1	<0.5	94	96	10-156	2
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	94	93	14-137	1
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	94	95	19-140	1
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	98	96	25-135	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	95	95	12-160	0
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	99	99	10-156	0
Benzene	mg/kg (ppm)	1	<0.03	94	95	29-129	1
Trichloroethene	mg/kg (ppm)	1	<0.02	94	95	21-139	1
Toluene	mg/kg (ppm)	1	<0.05	96	97	35-130	1
Tetrachloroethene	mg/kg (ppm)	1	<0.025	97	98	20-133	1
Ethylbenzene	mg/kg (ppm)	1	<0.05	94	96	32-137	2
m,p-Xylene	mg/kg (ppm)	2	<0.1	96	98	34-136	2
o-Xylene	mg/kg (ppm)	1	<0.05	99	99	33-134	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	1	81	22-139
Chloroethane	mg/kg (ppm)	1	83	9-163
1,1-Dichloroethene	mg/kg (ppm)	1	98	47-128
Methylene chloride	mg/kg (ppm)	1	96	10-184
trans-1,2-Dichloroethene	mg/kg (ppm)	1	98	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	96	68-115
cis-1,2-Dichloroethene	mg/kg (ppm)	1	96	72-127
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	96	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	103	62-131
Benzene	mg/kg (ppm)	1	94	71-118
Trichloroethene	mg/kg (ppm)	1	97	63-121
Toluene	mg/kg (ppm)	1	96	66-126
Tetrachloroethene	mg/kg (ppm)	1	98	72-114
Ethylbenzene	mg/kg (ppm)	1	98	64-123
m,p-Xylene	mg/kg (ppm)	2	99	78-122
o-Xylene	mg/kg (ppm)	1	102	77-124

Date of Report: 09/23/21
Date Received: 09/20/21
Project: Nelson - Granite Falls, F&BI 109346

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 109314-13 1/6 (Matrix Spike) 1/6

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	90	86	44-107	5
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	95	94	38-124	1

Laboratory Code: Laboratory Control Sample 1/6

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	101	47-158
Aroclor 1260	mg/kg (ppm)	0.25	106	69-147

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

109346

SAMPLE CHAIN OF CUSTODY

09-20-21

BI / VSI

Page # 1 of 1

Report To Kristin Anderson

Company Floyd Snider

Address 601 Union St, Ste 600

City, State, ZIP Seattle, WA 98101

Phone 206-292-2078 Email kristin.anderson@floydsnider.com

SAMPLERS (*signature*)

PROJECT NAME: Nelson - Granite Falls

PO #

REMARKS

Project specific RLs? - (Yes) / No ← MTCA A

INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 48-hr
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Metals: As, Pb, Cd, Cr, Ni				Notes
FILL	01 A-F	9/20/21	1035	S	6	X	X			X		X	X				VOCs = BETX,
BASE-01 - 7ft	02A-F	↓	1440	↓	5	X	X	X									CVOCs incl. 1,1,1-TCA

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Kristin Anderson	FS	9/20/21	1647
Received by:	Khai Hoang	FBC	9/20/21	1647
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

September 23, 2021

Kristin Anderson, Project Manager
Floyd-Snider
Two Union Square
601 Union St, Suite 600
Seattle, WA 98101

Dear Ms Anderson:

Included are the results from the testing of material submitted on September 21, 2021 from the Nelson-Granite Falls, F&BI 109366 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
FDS0923R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on September 21, 2021 by Friedman & Bruya, Inc. from the Floyd-Snider Nelson-Granite Falls, F&BI 109366 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Floyd-Snider
109366 -01	SIDE-01-5FT
109366 -02	SIDE-02-5FT
109366 -03	BASE-02-7.5FT

All quality control requirements were acceptable.

Date of Report: 09/23/21
Date Received: 09/21/21
Project: Nelson-Granite Falls, F&BI 109366
Date Extracted: 09/22/21
Date Analyzed: 09/22/21

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
SIDE-01-5FT 109366-01	<0.02	<0.02	<0.02	<0.06	<5	93
SIDE-02-5FT 109366-02	<0.02	<0.02	0.049	0.15	19	95
BASE-02-7.5FT 109366-03	<0.02	<0.02	<0.02	<0.06	<5	85
Method Blank 01-1951 MB	<0.02	<0.02	<0.02	<0.06	<5	78

Date of Report: 09/23/21
Date Received: 09/21/21
Project: Nelson-Granite Falls, F&BI 109366
Date Extracted: 09/22/21
Date Analyzed: 09/22/21

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
SIDE-01-5FT 109366-01	<50	<250	97
SIDE-02-5FT 109366-02	<50	<250	96
BASE-02-7.5FT 109366-03	<50	<250	97
Method Blank 01-2172 MB	<50	<250	107

Date of Report: 09/23/21
Date Received: 09/21/21
Project: Nelson-Granite Falls, F&BI 109366

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 109366-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	100	69-120
Toluene	mg/kg (ppm)	0.5	102	70-117
Ethylbenzene	mg/kg (ppm)	0.5	100	65-123
Xylenes	mg/kg (ppm)	1.5	100	66-120
Gasoline	mg/kg (ppm)	20	125	71-131

Date of Report: 09/23/21
Date Received: 09/21/21
Project: Nelson-Granite Falls, F&BI 109366

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 109362-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	96	96	73-135	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	108	74-139

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

109366

SAMPLE CHAIN OF CUSTODY

09-21-21

A 64/VS1

Page # 1 of 1

Report To Kristin Anderson

Company Floyd Snider

Address 601 Union St, Ste 600

City, State, ZIP Seattle, WA 98101

Phone 206-297-7078 Email kristin-anderson@floydsnider.com

SAMPLERS (*signature*)

PROJECT NAME: Nel/Sin - Granite Falls

PO #

REMARKS

Project specific RLs? - (Yes) No

INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24-hr

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other

Default: Dispose after 30 days

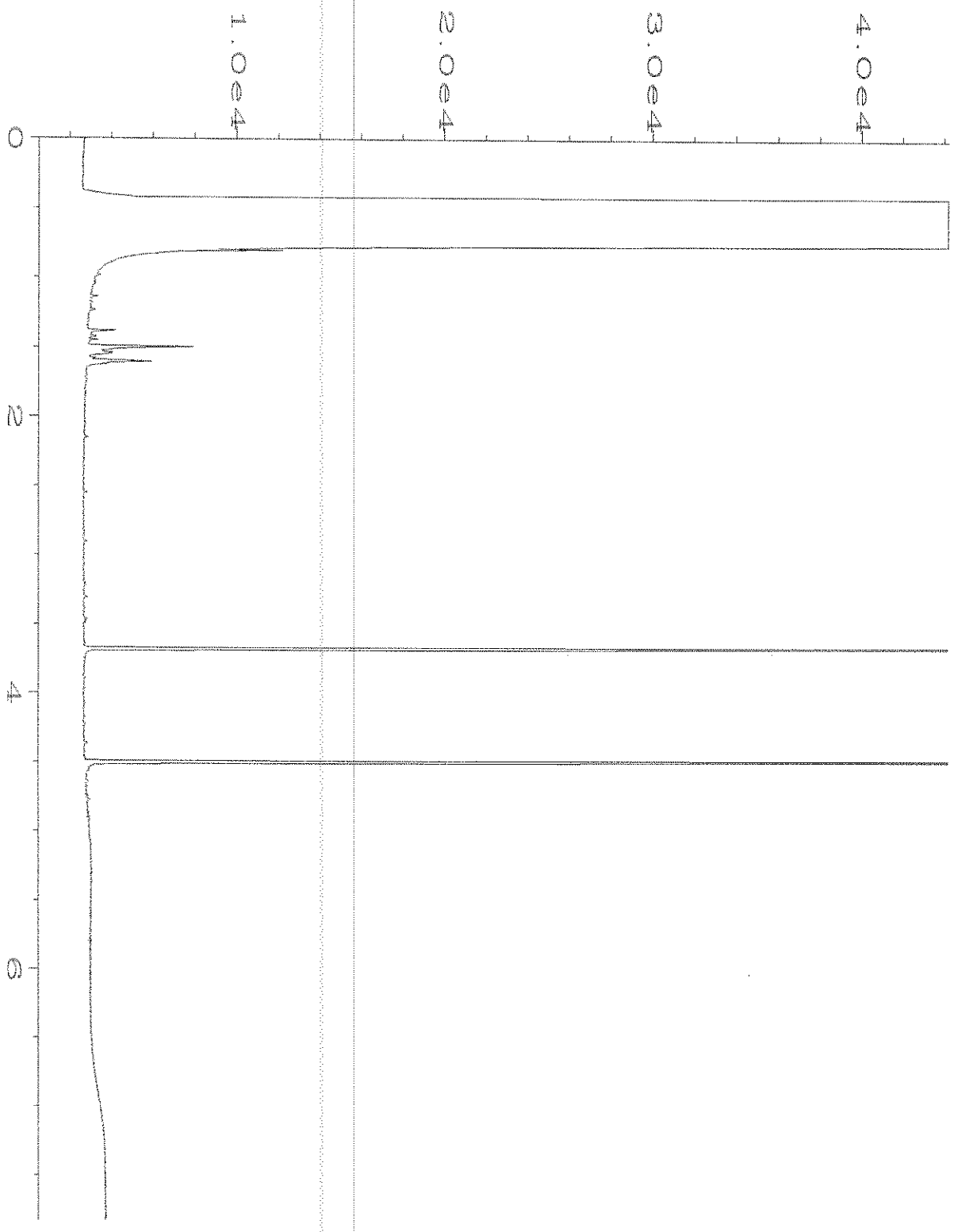
MCA ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
SIDE-01-5FT	01A-E	9/21/21	1235	S	5	X	X	X									
SIDE-02-5FT	02	"	1345	"	5	X	X	X									
BASE-02-7.5FT	03	"	1120	"	3	X	X	X									

Samples received at 4 °C

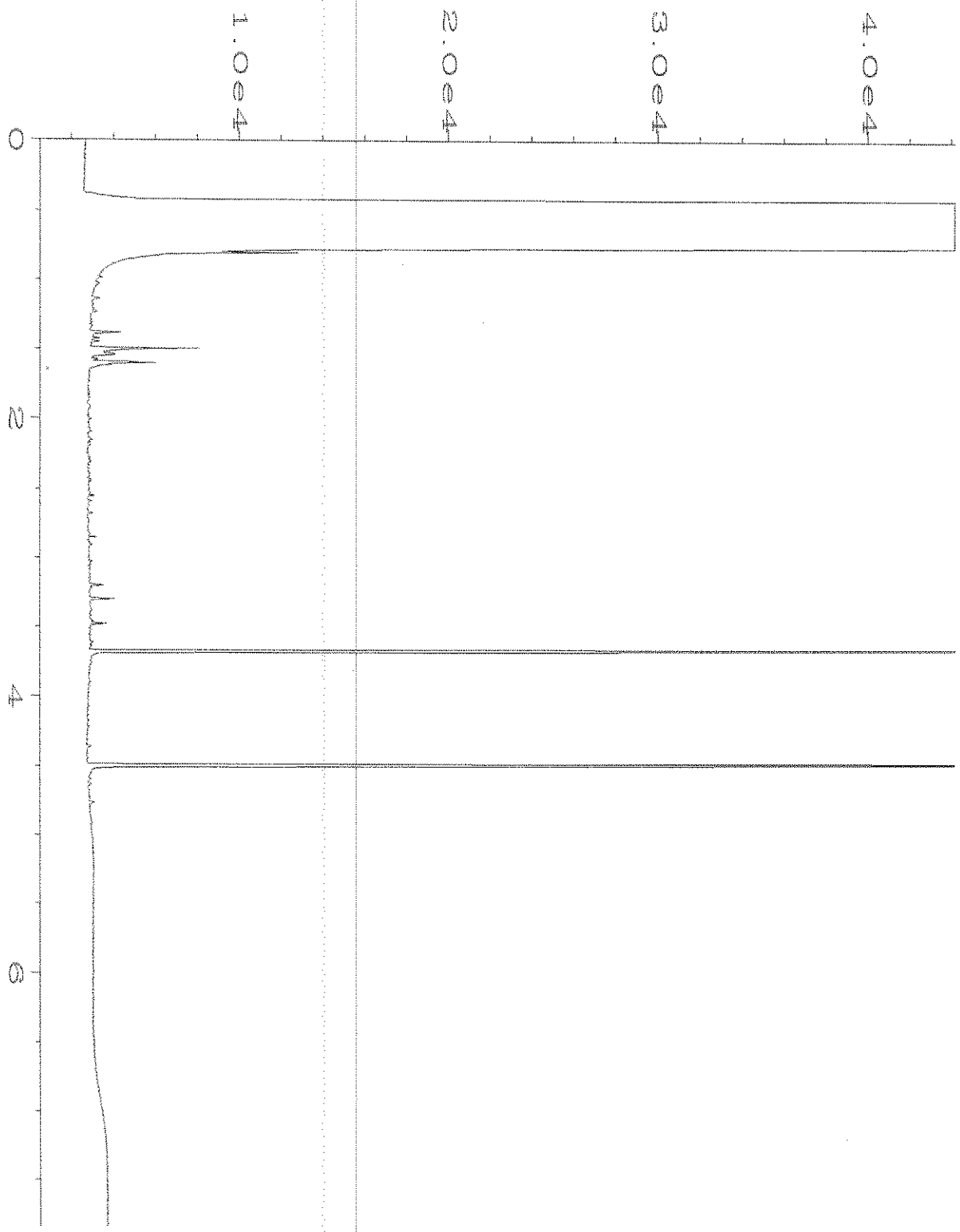
SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Kristin Anderson	FS	9/21/21	1635
Received by:	Eric Adams	EA	9/21/21	1635
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

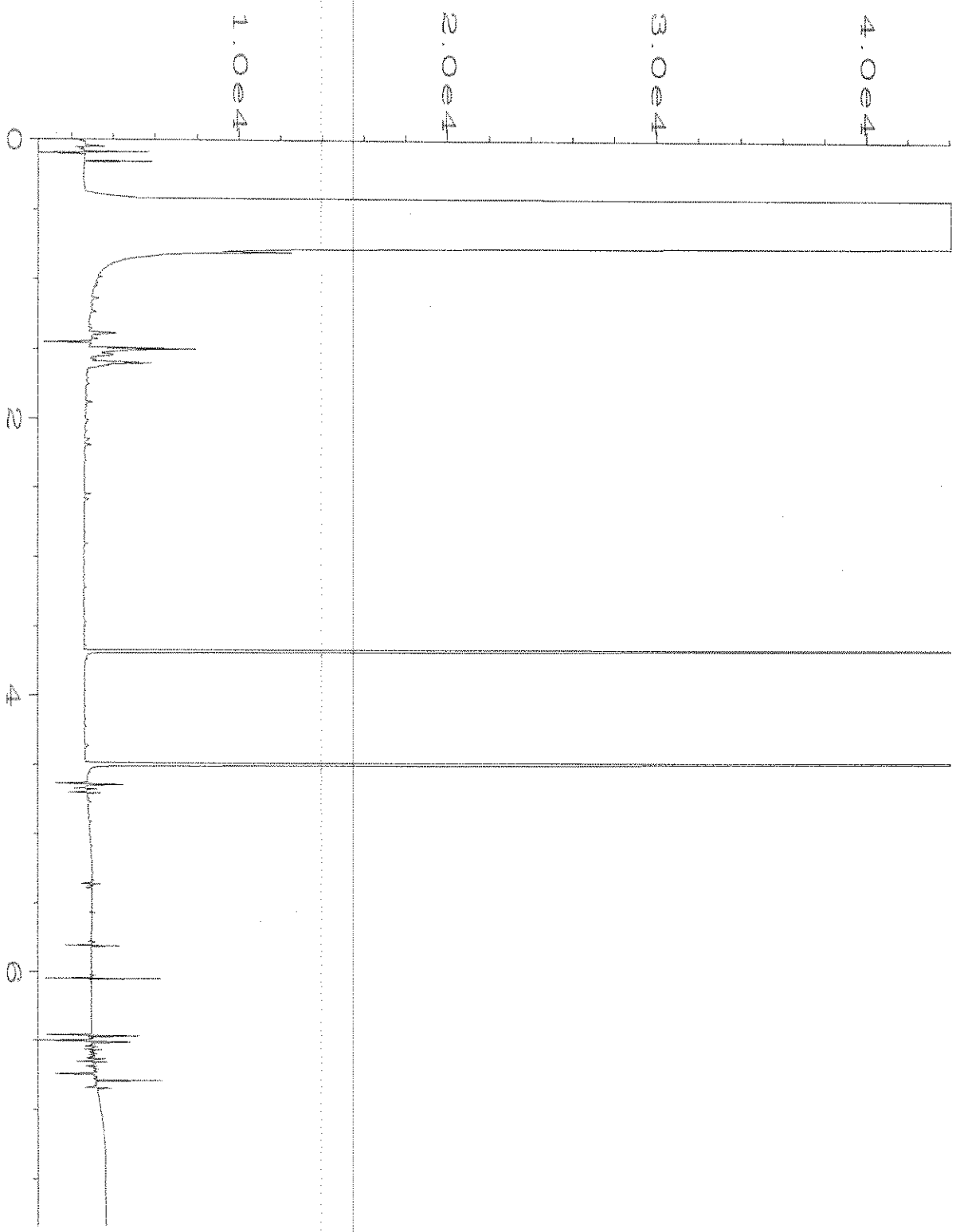


Data File Name : C:\HPCHEM\4\DATA\09-22-21\018F0301.D
Operator : TL
Instrument : GC#4
Sample Name : 109366-01
Run Time Bar Code:
Acquired on : 22 Sep 21 11:34 AM
Report Created on: 22 Sep 21 01:20 PM

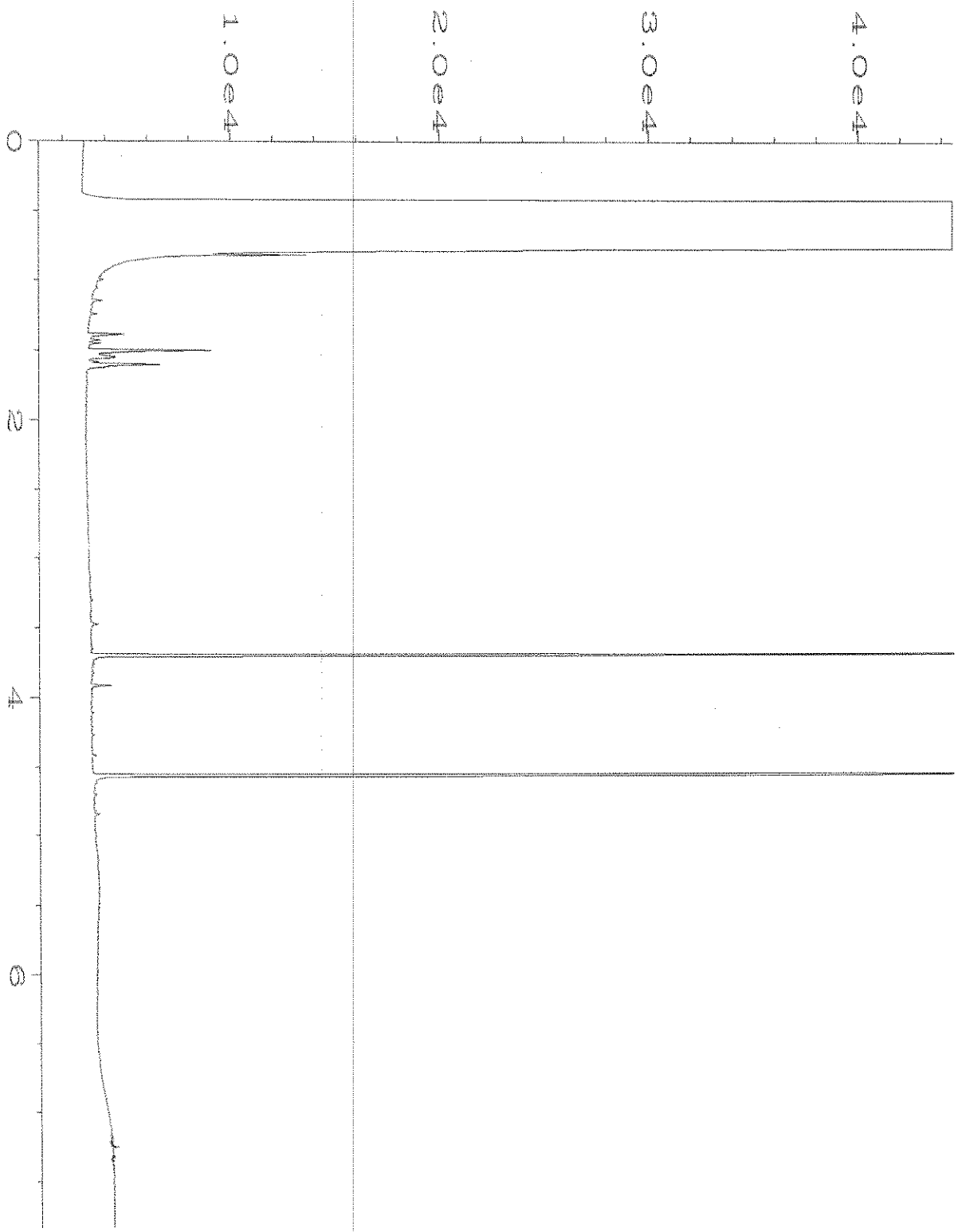
Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH



Data File Name	: C:\HPCHEM\4\DATA\09-22-21\019F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC#4	Vial Number	: 19
Sample Name	: 109366-02	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 22 Sep 21 11:46 AM	Instrument Method	: DX.MTH
Report Created on	: 22 Sep 21 01:20 PM	Analysis Method	: DEFAULT.MTH

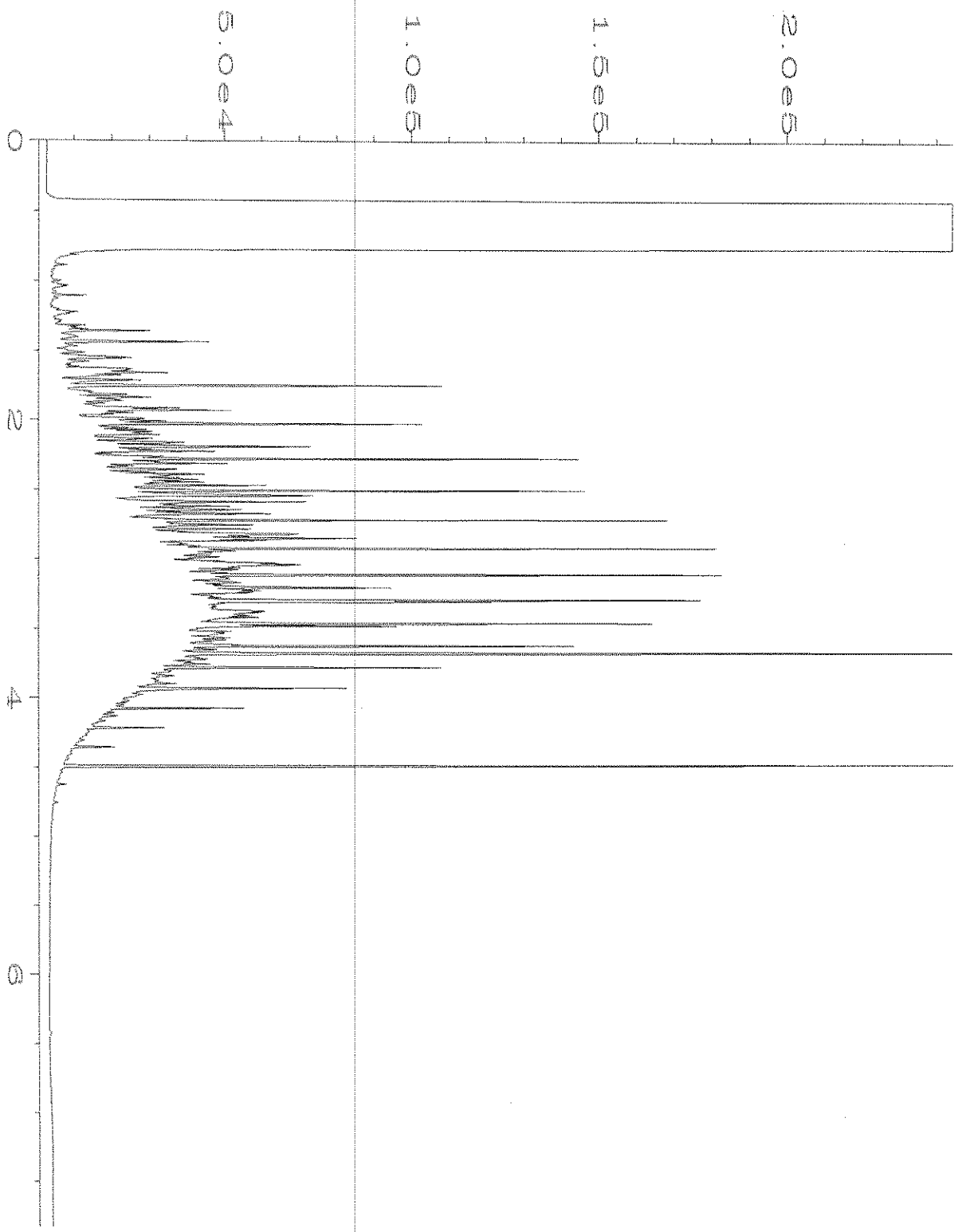


Data File Name	: C:\HPCHEM\4\DATA\09-22-21\020F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC#4	Vial Number	: 20
Sample Name	: 109366-03	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 22 Sep 21 11:59 AM	Instrument Method	: DX.MTH
Report Created on	: 22 Sep 21 01:20 PM	Analysis Method	: DEFAULT.MTH



Data File Name : C:\HPCHEM\4\DATA\09-22-21\006F0301.D
Operator : TL
Instrument : GC#4
Sample Name : 01-2172 mb
Run Time Bar Code:
Acquired on : 22 Sep 21 09:08 AM
Report Created on: 22 Sep 21 01:21 PM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH



Data File Name	: C:\HPCHEM\4\DATA\09-22-21\003F0201.D		
Operator	: TL	Page Number	: 1
Instrument	: GC#4	Vial Number	: 3
Sample Name	: 500 Dx 63-79C	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 22 Sep 21 05:57 AM	Instrument Method	: DX.MTH
Report Created on	: 22 Sep 21 01:21 PM	Analysis Method	: DEFAULT.MTH

Attachment 4
Disposal Documentation

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

21-016

Ticket No.: **36390**

Date : 9/21/2021 Time: 1:08:45PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **12.01** Ton

	Pounds	Tons
Gross	47860	23.93
Tare	23840 *	11.92 *
Net	24020	12.01

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received :

Weighmaster: Brad

12 • 01 +
8 • 59 +
10 • 58 +
12 • 95 +
11 • 94 +
13 • 43 +
12 • 96 +
13 • 20 +
11 • 28 +
15 • 65 +
14 • 54 +
11 • 47 +
12 • 26 +

160 • 86 *

0 • *

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36390**

Date : 9/21/2021 Time: 1:08:45PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMEN
Order : 12 FORMER NELSON PE

	Pounds	Tons
Gross	47860	23.93
Tare	23840 *	11.92 *
Net	24020	12.01

013

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

21-016

Ticket No.: **36272**

Date : 9/21/2021 Time: 7:39:08AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **10.58** Ton

	Pounds	Tons
Gross	45000	22.50
Tare	23840 *	11.92 *
Net	21160	10.58

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36272**

Date : 9/21/2021 Time: 7:39:08AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC

	Pounds	Tons
Gross	45000	22.50
Tare	23840 *	11.92 *
Net	21160	10.58

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

21-016

Ticket No.: **36284** ✓

Date : 9/21/2021 Time: 8:29:54AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **12.95** Ton

	Pounds	Tons
Gross	49740	24.87
Tare	23840 *	11.92 *
Net	25900	12.95

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36284**

Date : 9/21/2021 Time: 8:29:54AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC

	Pounds	Tons
Gross	49740	24.87
Tare	23840 *	11.92 *
Net	25900	12.95

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

21-016

Ticket No.: **36276**

Date : 9/21/2021 Time: 8:04:43AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **11.94** Ton

	Pounds	Tons
Gross	47720	23.86
Tare	23840 *	11.92 *
Net	23880	11.94

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36276**

Date : 9/21/2021 Time: 8:04:43AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC

	Pounds	Tons
Gross	47720	23.86
Tare	23840 *	11.92 *
Net	23880	11.94

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

21-016

Ticket No.: **36235**

Date : 9/20/2021 Time: 3:07:51PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **13.43** Ton

	Pounds	Tons
Gross	50700	25.35
Tare	23840 *	11.92 *
Net	26860	13.43

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36235**

Date : 9/20/2021 Time: 3:07:51PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC

	Pounds	Tons
Gross	50700	25.35
Tare	23840 *	11.92 *
Net	26860	13.43

Iron Mountain Quarry, LLC

22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36216**

Date : 9/20/2021 Time: 2:14:10PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **12.96** Ton

	Pounds	Tons
Gross	49760	24.88
Tare	23840 *	11.92 *
Net	25920	12.96

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC

22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36216**

Date : 9/20/2021 Time: 2:14:10PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC

	Pounds	Tons
Gross	49760	24.88
Tare	23840 *	11.92 *
Net	25920	12.96

Iron Mountain Quarry, LLC

22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

20-016

Ticket No.: **36230**

Date : 9/20/2021 Time: 2:40:22PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **13.20** Ton

	Pounds	Tons
Gross	50240	25.12
Tare	23840 *	11.92 *
Net	26400	13.20

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC

22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36230**

Date : 9/20/2021 Time: 2:40:22PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC

	Pounds	Tons
Gross	50240	25.12
Tare	23840 *	11.92 *
Net	26400	13.20

Iron Mountain Quarry, LLC

22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36205**

Date : 9/20/2021 Time: 1:50:41PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **11.28** Ton

	Pounds	Tons
Gross	46400	23.20
Tare	23840 *	11.92 *
Net	22560	11.28

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC

22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36205**

Date : 9/20/2021 Time: 1:50:41PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC

	Pounds	Tons
Gross	46400	23.20
Tare	23840 *	11.92 *
Net	22560	11.28

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

21-016

Ticket No.: **36637**

Date : 9/23/2021 Time: 8:43:19AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **15.65** Ton

	Pounds	Tons
Gross	55140	27.57
Tare	23840 *	11.92 *
Net	31300	15.65

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36637**

Date : 9/23/2021 Time: 8:43:19AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC

	Pounds	Tons
Gross	55140	27.57
Tare	23840 *	11.92 *
Net	31300	15.65

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

21-016

Ticket No.: **36626**

Date : 9/23/2021 Time: 7:54:09AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **14.54** Ton

	Pounds	Tons
Gross	52920	26.46
Tare	23840 *	11.92 *
Net	29080	14.54

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36626**

Date : 9/23/2021 Time: 7:54:09AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM

	Pounds	Tons
Gross	52920	26.46
Tare	23840 *	11.92 *
Net	29080	14.54

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36918**

Date : 9/24/2021 Time: 1:02:50PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **11.47** Ton

	Pounds	Tons
Gross	46780	23.39
Tare	23840 *	11.92 *
Net	22940	11.47

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36918**

Date : 9/24/2021 Time: 1:02:50PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM

	Pounds	Tons
Gross	46780	23.39
Tare	23840 *	11.92 *
Net	22940	11.47

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36940**

Date : 9/24/2021 Time: 1:43:14PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **12.26** Ton

	Pounds	Tons
Gross	48360	24.18
Tare	23840 *	11.92 *
Net	24520	12.26

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36940**

Date : 9/24/2021 Time: 1:43:14PM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM

	Pounds	Tons
Gross	48360	24.18
Tare	23840 *	11.92 *
Net	24520	12.26

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

21-016

Ticket No.: **36309** ✓

Date : 9/21/2021 Time: 9:09:58AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC
Order : 12 FORMER NELSON PETROLEUM
P.O. :
Product : 510 CLASS 3 CONTAMINATED SOIL **8.59** Ton

	Pounds	Tons
Gross	41020	20.51
Tare	23840 *	11.92 *
Net	17180	8.59

* Manual P. T.

Carrier : 1854 MERANTO TRUCKING
Vehicle : MERANTO Meranto Trucking
Received : _____

Weighmaster: Brad

COPY 1 CARRIER

Iron Mountain Quarry, LLC
22121 17th Ave SE STE 117
Bothell, WA 98021
425-481-0999

Ticket No.: **36309**

Date : 9/21/2021 Time: 9:09:58AM
Location : **Granite Falls Quarry**
Customer : 844 GLACIER ENVIROMENTAL SERVICES INC

	Pounds	Tons
Gross	41020	20.51
Tare	23840 *	11.92 *
Net	17180	8.59

BILL OF LADING
PRODUCT TRANSPORT MANIFEST

N° 30380

MARINE VACUUM SERVICE, INC.
24 HOUR EMERGENCY PHONE NUMBER (206) 762-0240
FAX NUMBER 206-763-8084
TRUCK NUMBER 5011 DATE 9-20-21

TO
DESTINATION
NAME Marine Vacuum Service, Inc.
STREET 1516 South Graham Street
CITY/STATE Seattle, WA 98108

FROM
SHIPPER Aqualis
NAME Glacier Environmental
STREET 201 W Stanley St
CITY/STATE Granite Falls, WA

QUANTITY	PROPER SHIPPING NAME	UN (PLACARD) NUMBER
1200 gal	Water Mud + Solid Wash Out	
60%	SLUDGE Mud + Solid	

RECEIVER MVS! Roy
DATE 9-20-21
SHIPPER X Derek Smith
DATE

NOTE:

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminates including without limitations, pesticides, chlorinated solvents at concentrations greater than 1000 PPM, any detectable levels of PCBs, or any other material classified as dangerous or hazardous waste by 40 CFR Part 261, Subpart C and D (implementing the Federal Resource Conservation and Recover Act), or by any equivalent state dangerous or hazardous substance classification programs. Should laboratory tests find this waste not in compliance with 40 CFR Part 261, customer (generator) agrees to pay for all disposal costs incurred.

STRAIGHT BILL OF LADING
ORIGINAL — NOT NEGOTIABLE

Shipper No. 23574

Carrier No. 32178

Page 1 of 4

Marine Vacuum Service Inc.
(Name of carrier) (SCAC)

Date 10/01/21

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Marine Vacuum Service Inc.
Street 1516 South Graham Street
City Seattle State WA Zip Code 98108

FROM:
Shipper Glacier Environmental
Street 201 W stanley st
City Granite Fall State WA Zip Code
24 hr. Emergency Contact Tel. No. ChemTel 1-800-255-3924 Contract MIS3627926

Route

Vehicle Number 025

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel Aviation, Turbin Engine, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel Aviation, Mixture, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Mixture Class 3, PG II				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Class 3, PG II				
1 TT	X	NA1993 Diesel Mixture, Class 3, PG III				
1 TT	X	NA1993 Diesel, Class 3, PG III				
1 TT	X	NA1270 Petroleum Oil, Class 3, PG I				
1 TT	X	NA1270 Petroleum Oil, Mixture, Class 3, PG I				
1 TT		Oily Waste Water Non Reg by DOT	2,500 gallons			
1 TT		Waste Water Non Reg by DOT				
1 TT		Used Oil Non Reg by DOT				
1 TT		Used Coolant Non Reg by DOT				

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(e) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Glacier Environmental
PER _____

CARRIER Mac Vac
PER _____
DATE 10/01/21

Permanent post-office address of shipper.

BILL OF LADING

PRODUCT TRANSPORT MANIFEST

N° 30397

MARINE VACUUM SERVICE, INC.

24 HOUR EMERGENCY PHONE NUMBER (206) 762-0240
FAX NUMBER 206-763-8084

TRUCK NUMBER ________ DATE 10-4-21 Bill

TO DESTINATION		FROM SHIPPER	
NAME	Marine Vacuum Service, Inc.	NAME	Aquatic Storm / Glacier Environmental
STREET	1516 South Graham Street	STREET	204 W ~~Stanley St~~
CITY/STATE	Seattle, WA 98108	CITY/STATE	Granite Falls, WA

QUANTITY	PROPER SHIPPING NAME	UN (PLACARD) NUMBER
800gal	Waste Water & Sludge	
	Wash Out	
50%	SLUDGE	

RECEIVER MVS: Roy DATE 10/4/21 SHIPPER [signature] DATE

NOTE: Bill direct to Glacier Environmental

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminates including without limitations, pesticides, chlorinated solvents at concentrations greater than 1000 PPM, any detectable levels of PCBs, or any other material classified as dangerous or hazardous waste by 40 CFR Part 261, Subpart C and D (implementing the Federal Resource Conservation and Recover Act), or by any equivalent state dangerous or hazardous substance classification programs. Should laboratory tests find this waste not in compliance with 40 CFR Part 261, customer (generator) agrees to pay for all disposal costs incurred.

STRAIGHT BILL OF LADING
ORIGINAL — NOT NEGOTIABLE

Shipper No. 24850

Carrier No. 32179

Date 10/05/21

Page 1 of 4

Marine Vacuum Service Inc.
(Name of carrier) (SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Marine Vacuum Service Inc.
Street 1516 South Graham Street
City Seattle State WA Zip Code 98108

FROM:
Shipper Glacier Environmental
Street 201 West Stanley St
City Granite Falls WA Zip Code 98252
24 hr. Emergency Contact Tel. No. ChemTel 1-800-255-3924
Contract MIS3627926

Route

Vehicle Number 025

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel Aviation, Turbin Engine, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel Aviation, Mixture, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Mixture Class 3, PG II				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Class 3, PG II				
1 TT	X	NA1993 Diesel Mixture, Class 3, PG III				
1 TT	X	NA1993 Diesel, Class 3, PG III				
1 TT	X	NA1270 Petroleum Oil, Class 3, PG I				
1 TT	X	NA1270 Petroleum Oil, Mixture, Class 3, PG I				
1 TT		Oily Waste Water Non Reg by DOT				
1 TT		Waste Water Non Reg by DOT				
1 TT		Used Oil Non Reg by DOT	700 gallons			
1 TT		Used Coolant Non Reg by DOT				

PLACARDS TENDERED: YES ☐ NO ☑

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding ______ per ______."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

______ Signature

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

______ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked
Check box if charges are to be collect ☐

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Glacier Environmental
PER [signature]

CARRIER Mar Vac
PER [signature]
DATE 10/05/21

Permanent post-office address of shipper.