

Subject: Independent Cleanup Action – LUST Release #3910
– Status Report, dated November 19, 2020
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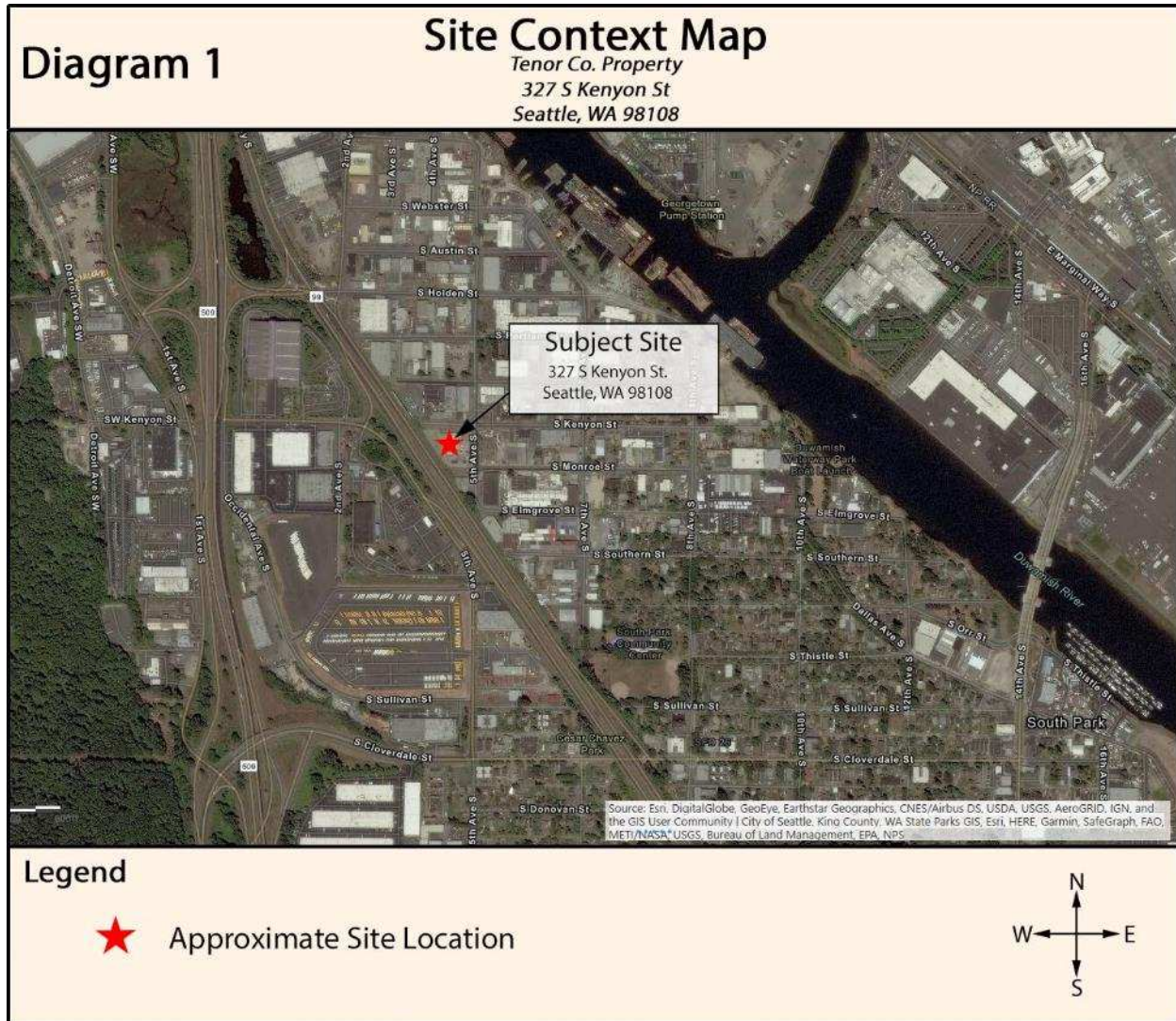
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1.0 Introduction

1.1 Site Description

The subject site consists of a single property (King County tax parcel #7328400740). This 1.17 acre (51,000ft.²) industrial property, 327 S. Kenyon St., Seattle, WA 98108, is located in the South Park industrial area south of downtown Seattle, Washington and is owned by Tenor Company, LLC. Tenor Company is principally owned by Duane Bartel and Skye Bartel.



The property is zoned for industrial (IG2 U/65) use and consists of the following:

- A 5,000ft.² building constructed in 1959 used primarily as a factory and warehouse space.
- A 1,500ft.² office building constructed in 1967.

- A 1,500ft.² building constructed in 2000 used primarily as a factory and warehouse space.
- A 6,000ft.² asphalt-paved loading dock/bay to the east of the buildings.
- A 200 ft.² compressor/equipment shed attached to the east side of the 5,000ft.² building.
- Gravel-topped yard spaces to the west and south of the buildings totaling approximately 30,000ft.² in area.
- A 3,125ft.² paved parking area to the north of the buildings.
- An additional 3,125ft.² paved area to the south of the buildings.

Diagram 2 Site Overview of 327 S Kenyon St



Illustration by: Skye Bartel, Tenor Co. 06/2020

1.2 Site History

From research done in *[REF] Clayton Phase 1 Study*, the subject property was a mostly undeveloped area adjacent to the South Park landfill until approximately the mid-1950s. A structure identified as a “residence” was noted as being present on the western portion of the property at that time. Columbia Environmental’s review of historic real estate suggests that the site was associated with an auto wrecker junk dealer in the 1950s.

In 1959 a paint company, Farwest Paint Manufacturing Company, began operations to manufacture paint products in a 5,000ft.² factory building constructed that same year at the northeast portion of the property. The types of paint manufactured at this facility included both alkyd and lead paints. Farwest Paint operated at this site from 1959 to 1978.

Also In 1959, a 7,500 gallon underground storage tank (UST) was installed on the property by Farwest Paint (Permit No. 475490). This tank was used to store mineral spirits (a petroleum-based product, see Appendix E-11 for MSDS) for the use of manufacturing paint and was in operation from 1959 to 1978. At no point in time after 1978 was the UST in operation.

In 1978 the property was sold to Ed Hodgson. His company, Glitsa American Inc., began operating at the site at that time. Glitsa American was a distributor of wood floor finishes, primarily using the 5,000ft.² factory building as a warehouse while leasing the yard spaces to the south and west of the buildings to JV Constructors Inc., an equipment outfitter company.

Glitsa American did make two brief efforts to manufacture their own products at this site (one in the early 1980s and one from 2004-2008). The 1980s efforts consisted of test batches of a floor varnish whose manufacturing was subsequently contracted out to third parties in the Seattle area. From 2004-2008, Glitsa American manufactured a water-based floor coating at the site. Neither of these products contained or used mineral spirits or any other toxic products identified as being present at the subject site in their production.

In 1992, following the passage of the Model Toxins Control Act (MTCA) and subsequent changes in regulations regarding underground storage tanks, Glitsa explored the possibility of closing or removing the tank. An assessment by Bison Environmental Northwest Inc. of the soil surrounding the UST showed that solvent concentrations as high as 3,700ppm (parts per million) were present in an area to the west of the tank. The WDOE (Washington Department of Ecology) target compliance level is 100ppm for industrial sites, indicating that leaking had occurred. This was reported to WDOE on September 2, 1992 and was assigned a Facility ID of #63168342 and a UST Site ID of #6178.

Glitsa was granted a deferral to remove the UST until a time came when the site became vacant or for a point in time when the removal would not cause a significant disruption of business. In 2008, the property was sold to Tenor Company, LLC (owned by Duane Bartel and Skye Bartel) and Glitsa American vacated the site. Environmental Associates Inc. was then hired to coordinate the removal of the UST and surrounding impacted soil. *Continue to Section 2.0 Review of Exploration and Cleanup Activity (2008-2014) for details of the remediation work begun in 2008.*

1.3 Scope of Work

The intent of this report is to provide an update of the voluntary cleanup of soil and groundwater impacted by the presence and subsequent removal of a leaking underground storage tank containing mineral spirits, a petroleum based product, at 327 S. Kenyon St., Seattle, WA 98108 by Tenor Co. Any other environmental cleanup work done at this property during this time will be addressed in a separate report. What follows is a roughly chronological review of remediation work conducted by EAI and subsequently Tenor Co. beginning in 2008 as well as a summary of the overall progress that's been made and a declaration of our intent for the property going forward.

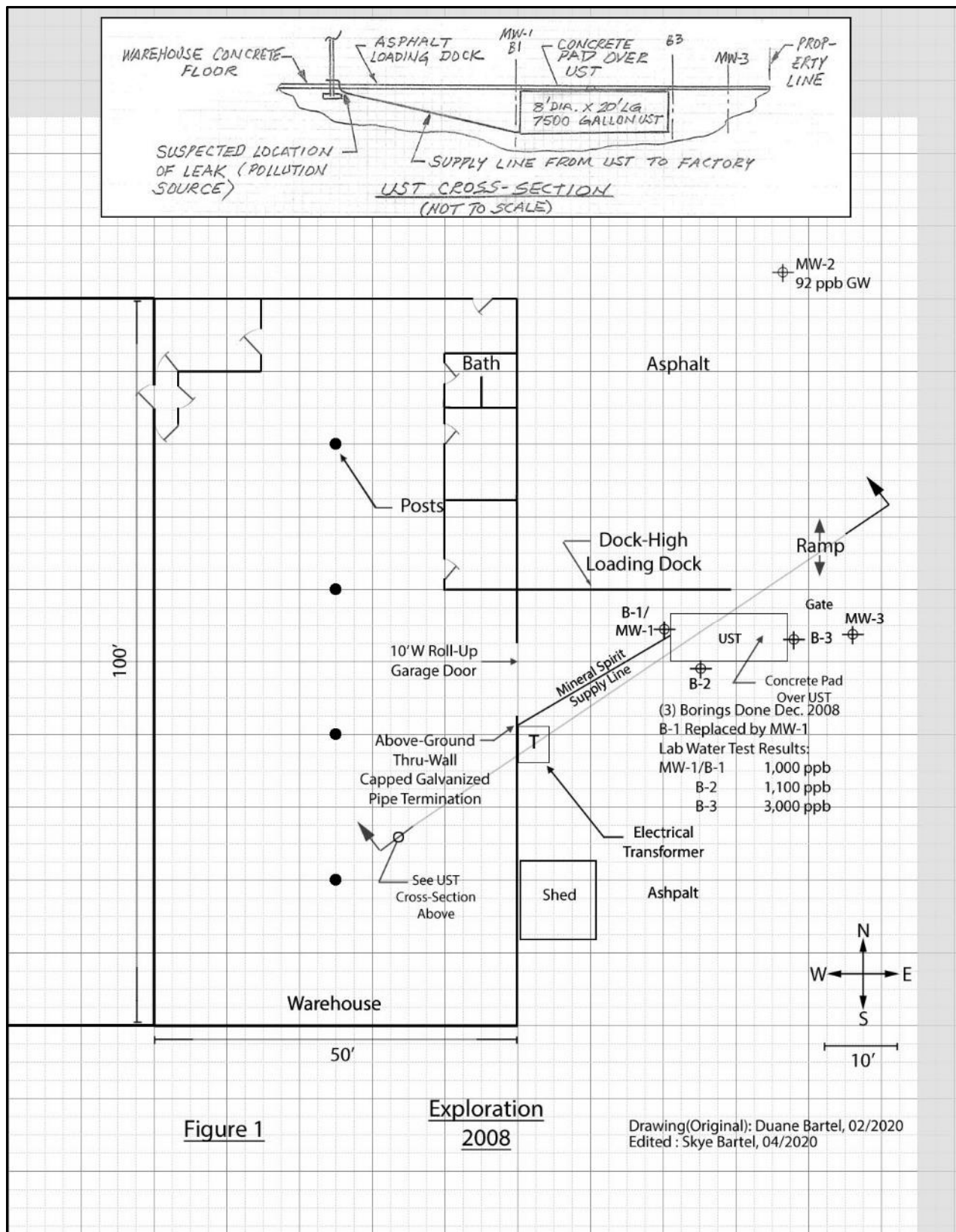
1.4 Limitations

This report has been prepared by Tenor Company, LLC, along with its representatives, for specific application to this site. Our work has been conducted, to the best of our knowledge, in a manner consistent with the level of care and skill normally exercised by environmental and general contractors we have observed and consulted with currently practicing under similar conditions in this area.

Consultations throughout this project have been made with Rob Roe (State License #1125), a project manager and Hydrogeologist with Environmental Associates Inc. (EAI) of Bellevue, WA.

Most of the opinions expressed in this report are based upon interpretations, observations and testing made at sampling locations which may vary between those and other locations, media, depths, varying weather or times of year. No other warranty, expressed or implied, is made. If new information is developed in future sited work that may include excavations, borings studies, etc., both Tenor Company, LLC and EAI must be alerted to re-evaluate this and related reports and to provide amendments as required.

In an effort to control costs, Tenor Company elected to pursue a combination of vapor extraction and groundwater pump and treat and to further elect to act as our own contractor in the design, installation and daily operation of the remediation system. Excavations were also done in 2017 & 2019 with Republic Services providing legal disposal services. EAI's only role in these phases of this project has been to provide occasional comment and, in one case, EAI provided a summary report. Tenor Company LLC has been fully responsible for the operation and performance of the remediation systems, subsequent excavations, disposal, monitoring and VOC treatments.

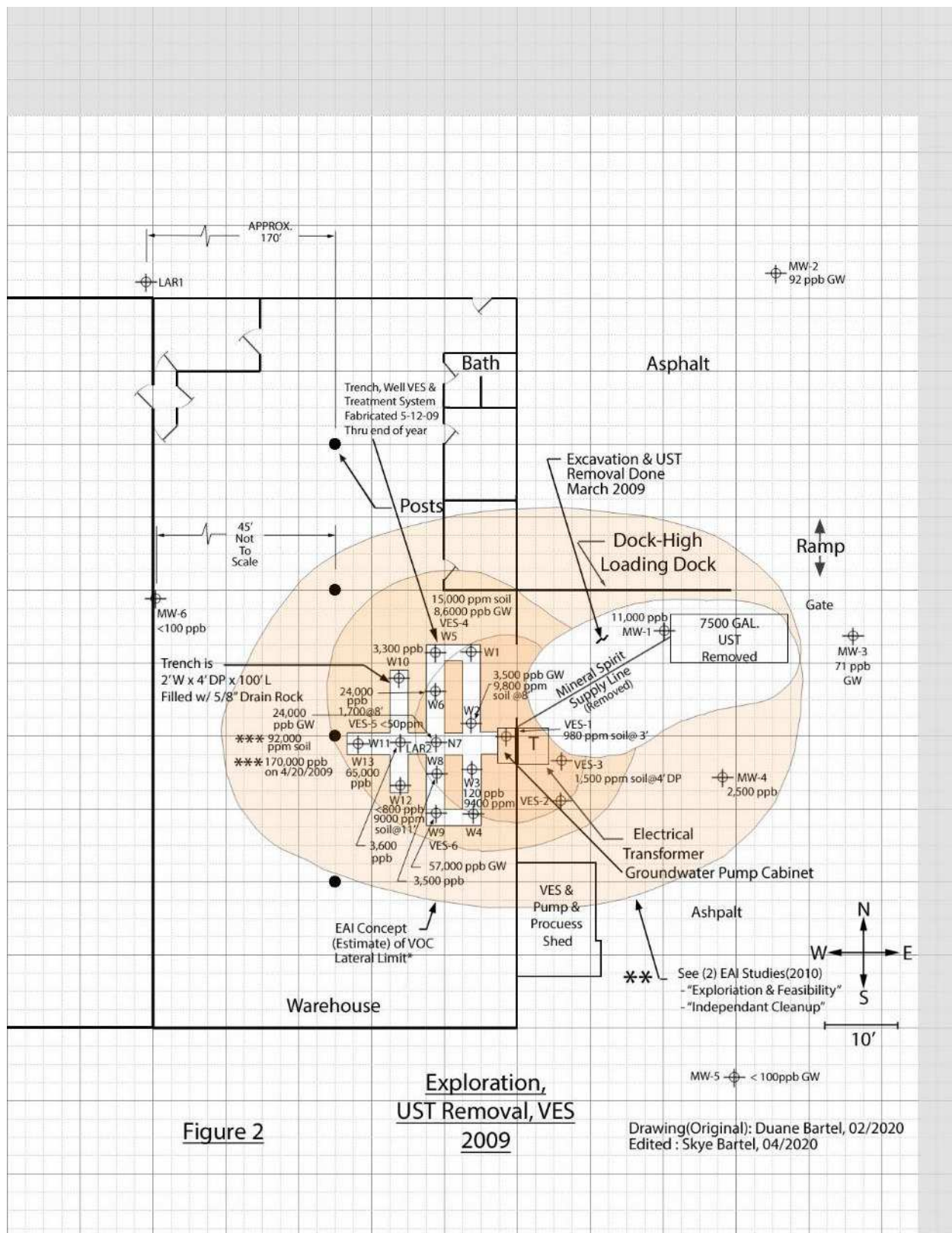


2.0 Review of Exploration and Cleanup Activity (2008-2014)

2.1 2008

In December, 2008, Glitsa American, Inc. was sold and a window of opportunity opened to remove the UST. EAI (Environmental Associates, Inc. of Bellevue, Washington) was contracted to perform various preliminary exploration, reports and coordination to set this process in motion. They were also able to make recommendations of contractors and various professional services (sample taking and analysis, for example) that we made use of.

Once the UST was removed, EAI performed a remediation study and made their recommendations to Tenor Company, LLC. Details of this effort can be found in [2]Environmental Associates, Inc. (2009). *Underground Storage Tank Removal & Limited Cleanup Action: Former Glitsa, Inc. Property 327 South Kenyon Street Seattle, Washington.*



2.2 2009

The drawing on the preceding page (Figure 2) shows the subject property after the removal of the UST and subsequent remediation work at the site during the year.

Testing and studies done by Environmental Services Network Northwest Inc. (ESN) and EAI in January and February 2009 were conducted to determine the nature and extent of the soil and groundwater contamination from the UST. The results of these studies are outlined in [2] Environmental Associates, Inc. (2009). *Underground Storage Tank Removal & Limited Cleanup Action: Former Glitsa, Inc. Property 327 South Kenyon Street Seattle, Washington.*

In March, the UST was removed by a contractor along with contaminated soil up to the perimeter East wall of the warehouse. Several soil samples were taken to further determine the lateral limit of soil contamination in order to estimate how much over-excavation would be necessary. The following day, additional contaminated soil was removed by the contractor commensurate with what was determined from a review of the soil analysis.



From March to April, the bottom of the excavation was filled approximately to half with drain rock overlain to grade with pit run. Before adding the pit run, vacuum/drain lines were installed for future VES and/or potential ORC (or other) treatment. Asphalt for the loading dock area was replaced by contractor.

Following the UST and soil removal/backfill, three initial wells were installed inside the warehouse to the west of the excavation. All wells installed in 2009 (these three and

additional subsequent wells) were 2 inch diameter x 15' to 20' deep monitoring wells. Installed by ESN Inc., they were pushed, not augured and screened up to 5ft below the warehouse floor level.

Basic groundwater remediation and vacuum extraction systems were fabrication in May and June 2009.

Free product from skimming and de-cantering was accumulated progressively through six 55-gallon drums. When the water processing system first went operational, it was >90% efficient at removing VOCs. The cleaned (processed groundwater) outlet returned water via a drain line to the approximate center of the zone of impacted soil (as it was defined at the time). This was done because, as production rates tripled, the processing system had to process faster. This resulted in less efficiency in the system and water typically above cleanup limits, but was re-entering the ground with a much higher oxygen content due to the bubbler system (a reasonable trade-off). For more detail on the groundwater processing system, see Figure 33 (Appendix A-33).



In June 2009, we boosted the performance of the VES and treatment system by installing “sparge” trenches in the area inside the warehouse directly west of the UST location. The trenches (as shown in Figure 2) were 2ft wide x 4ft deep and (in total) 100ft in length. VES lines ran both along the bottom of the trench (at a gentle incline) and about eight inches below the floor level. See EAI’s *Underground Storage Tank Removal & Limited Cleanup Action* report from April 1, 2009 for tailings disposal. The trenches were filled with 5/8 minus drain rock and closed with a vapor barrier and reinforced concrete (Appendix A-2 -- Frame 2-2).

In July 2009, we installed the first set of two carbon canisters for the VES. See Appendix D-29 for specifications. At that point, the remediation system went operational 24/7. See Appendix A-2 for photos of the original VES and groundwater treatment system.



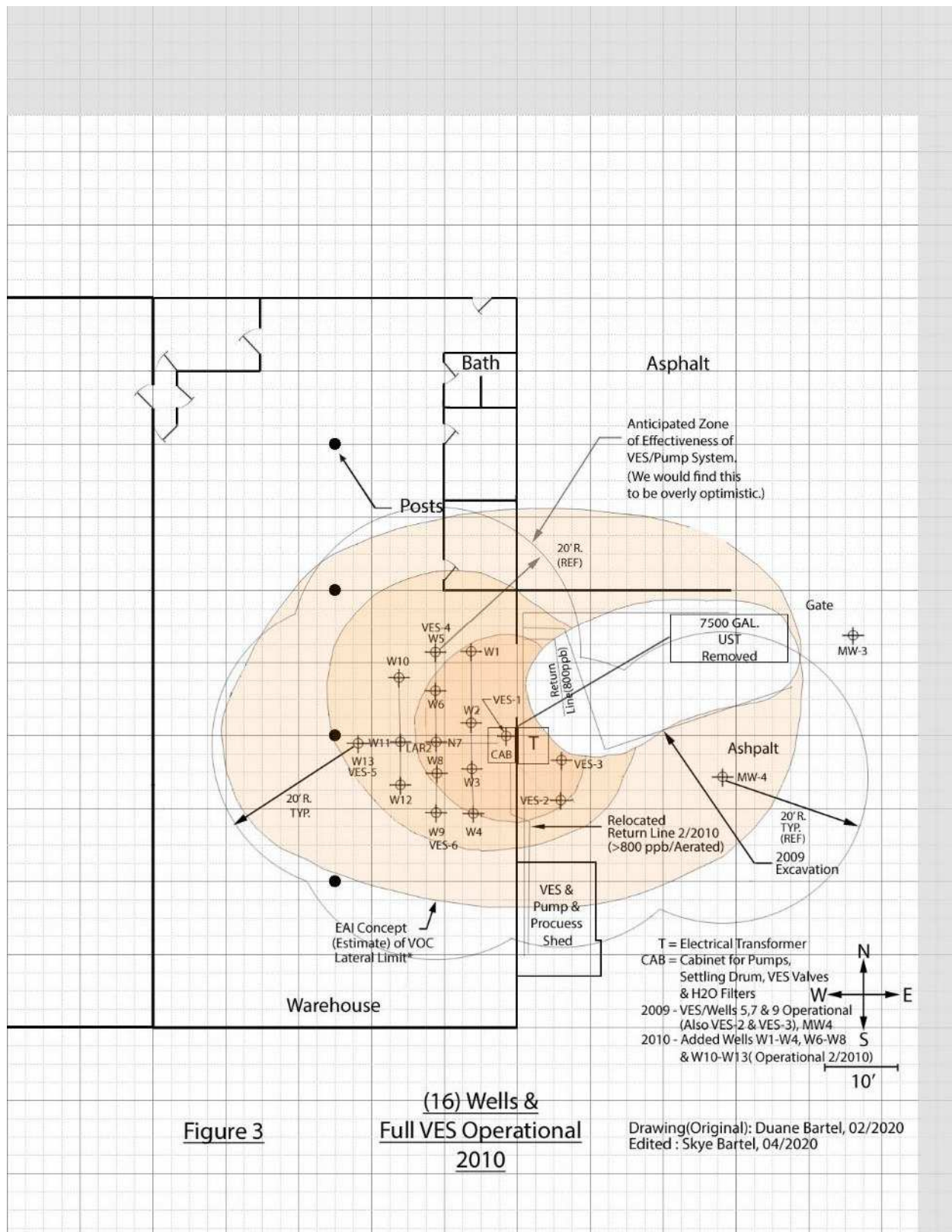
A MSA tester using MSA Auer tubes rated for mineral spirits testing was used approximately once per month to test the carbon drums, warehouse and offices for OSHA limits compliance. See Appendix D-3 for testing details and log. Note: Only when well caps were off for maintenance was odor noticeable at the well heads.

Prior to the trench work, we had three wells with peristaltic pumps. Each was producing at a maximum 85 gallons per day. In the winter the total output from the three well was ~250gpd (gallons per day) and less than 80gpd in the driest part of summer, assuming all pumps were working constantly. Due to frequent pump failures however, the system was often running below max processing capacity.

During the course of the trench excavation, the total number of wells inside the warehouse was increased to 16 with corresponding VES/treatment plumbing installed within the trenches connecting everything to a central processing cabinet (ref Appendix A-2 - Frames 2-1 and 2-3). When all 16 wells were operating 24/7, a production rate of >1,000gpd was observed. But, because the peristaltic pumps require a lot of maintenance (especially as the gearboxes aged), they became increasingly prone to failure. Also, newly replaced pump tubes would sometimes fail in less than an hour of operation. Due to the frequent modifications and maintenance work during this period, the VES and groundwater treatment systems were infrequently running 24/7.

As processing continued through the year, regular groundwater testing was conducted from the production wells (W1-W16) beginning in November. This testing showed a noticeable drop in VOC levels from testing earlier in the year. This was accompanied with anecdotal observations of a significant reduction in odor (to no observed odor in some), from the well heads when opened. Periodic (monthly) testing of the air in the warehouse and at the VES exhaust/testing port consistently had shown to be within OSHA compliance.

Skimming/decanting of the sediment drum and both processing tanks was performed three to four times per week (starting in July) in an effort to accumulate free product. See Appendix D-32 for details of this system. By the end of the year, skimming was only done once or twice per week due to a much-reduced apparent free-product accumulation being observed than from earlier in the year.



2.3 2010

Following a period from the end of the year through January when the system was down for maintenance, GW (groundwater) and VES processing resumed in February running 24/7 with frequent maintenance downtimes. Total operations from this point due to maintenance/upkeep issues was often reduced to 1/3 capacity.

Following anecdotal observations of barely detectible odor from well heads and encouraging lab test results from March 15 and April 1 (Table 1 in Appendix A-36 and Appendix C), discussions began with Rob Roe of EAI to begin Regenox treatments.

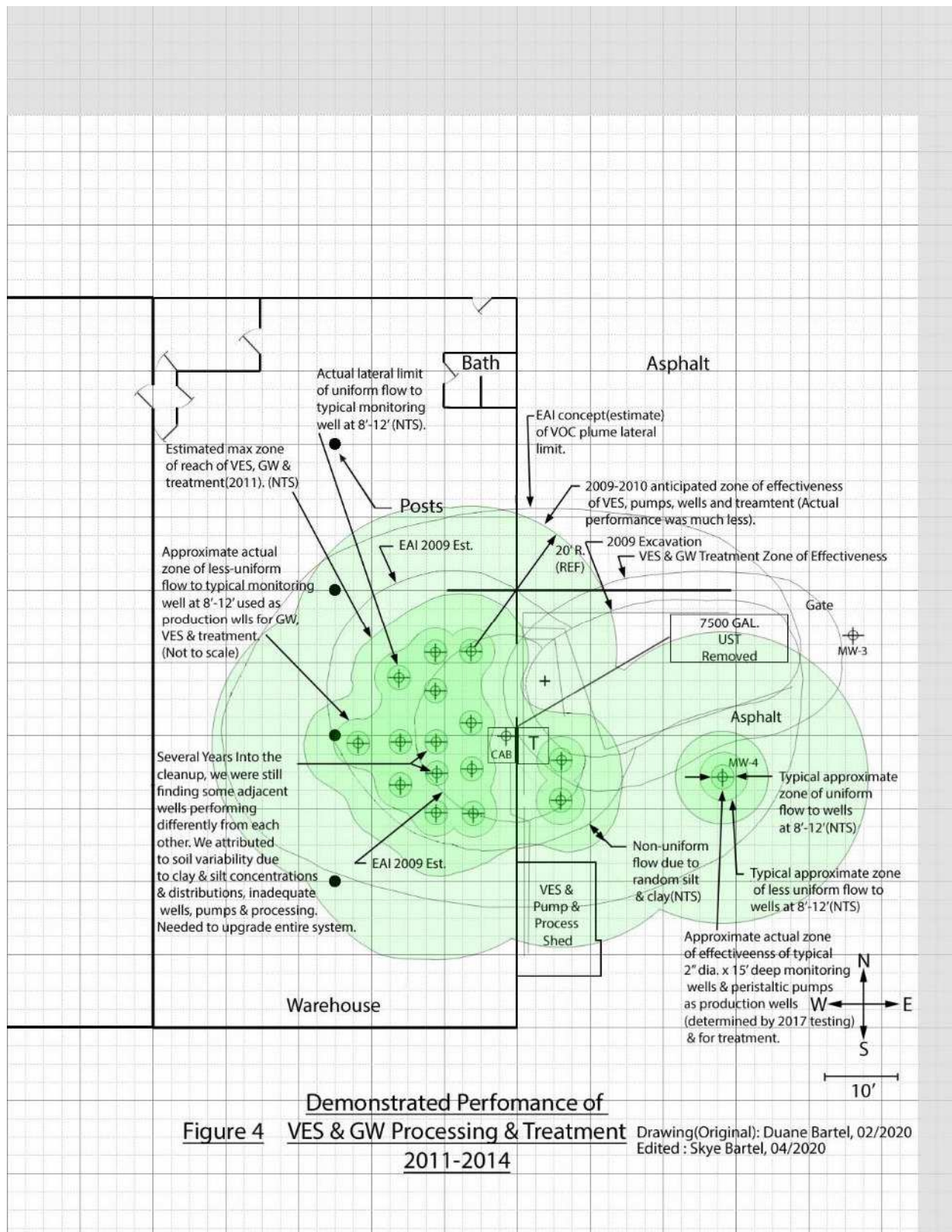
By June we estimated that the system had run for the equivalent of 5 ½ months of 24/7 operations, processing approximately 17.82 million cubic feet of air and approximately 118,500 gallons of groundwater.

Monthly MSA testing of the first set of carbon canisters installed showed by the end of June that they needed to be replaced. This was indicated by observed staining of the Auer test tubes and an observed odor of mineral spirits detected at the test port exiting the carbon tanks just before the VES exhaust vent. Two new carbon canisters were installed and the replaced drums were tightly sealed at the inlets and outlets with galvanized metal plugs and carefully sealed in plastic. The plan was to dispose of all the drums when the third set expired and retire the groundwater and VES systems. At that point, we expected chemical treatments, such as Regenox, would complete the remediation process.

Groundwater testing from August 13, 2010 (Table 1 in Appendix A-36 and Appendix C) showed that only 4 of 16 wells had VOCs exceeding 5,000ppb with the highest reading at 14,000ppb and one well testing at non-detect for VOCs. At this point we were still seeing ~0.10-0.20 inch meniscus layers settle in the well samples.

Rob Roe, at this point (August 2010), estimated that 90% of total mineral spirits had been extracted by VES and GW (groundwater) processing systems. Later observations would show that this was not the case.

In December, following MSA testing and mild odor detection of mineral spirits from the test port, we replaced the second set of carbon canisters with a set of two new canisters.



2.4 2011-2014

January 13, 2011 groundwater laboratory testing showed moderate increases in VOC levels from a majority of wells tested. It was reasoned at the time that this was due to smear zone recontamination of the water.

The processing systems continued to run as much as possible, constrained by continued maintenance problems, from January through May 2011.

Starting in May 2011, we began shutting down the groundwater processing system and scaling back the VES in preparation to perform treatments of Regenox. With consultations with Jack Peabody of REgenesis and Rob Roe of EAI, a ratio of Regenox to water of 1/30 (1,260 pounds/4,000 gallons of city water plus three 275-gallon totes of processed water) was used in the first treatment conducted in June 2011.

Groundwater samples tested at that time showed modest reductions compared to January 2011 values and no odor was detected at well heads during sampling. At this point, with this transition to soil injections, all groundwater processing was terminated until the spring of 2018. VES processing would continue intermittently during this time.

MSA testing, as of September 2011, indicated that the third set of carbon canisters was close to expiring. However, subsequent testing by Friedman & Bruya for the profile required by Siemens to receive the drums for disposal at their facility in Brush Prairie, WA showed that none of the drums were spent. Four of the drums were resealed and stored for possible return to service in the VES system (in the event it was to be put back into operation). We decided to discontinue MSA testing as long as we continued to not detect any odors at the wells or inside the warehouse or offices.

Testing in October 2011, following a sudden increase in water-table levels from recent storms, showed increased levels of mineral spirits across all samples. This was, again, attributed to recontamination of water from the smear zone as water tables rose. Due to this apparent seasonal variability, drawing preliminary results of the first Regenox treatment were deemed inconclusive.

In January 2012, we performed a second Regenox treatment identical to the first treatment from June 2011. Subsequent groundwater lab testing showed elevated VOC levels beyond what would be expected from seasonal variance. We've considered that this may have been a result from VOCs bound in the soil being released by the treatments, but some of this may have simply been the result of the groundwater processing system being halted during this time in addition to seasonal water table related variances. See Table 1 in Appendix A-36 and Appendix C for lab results.

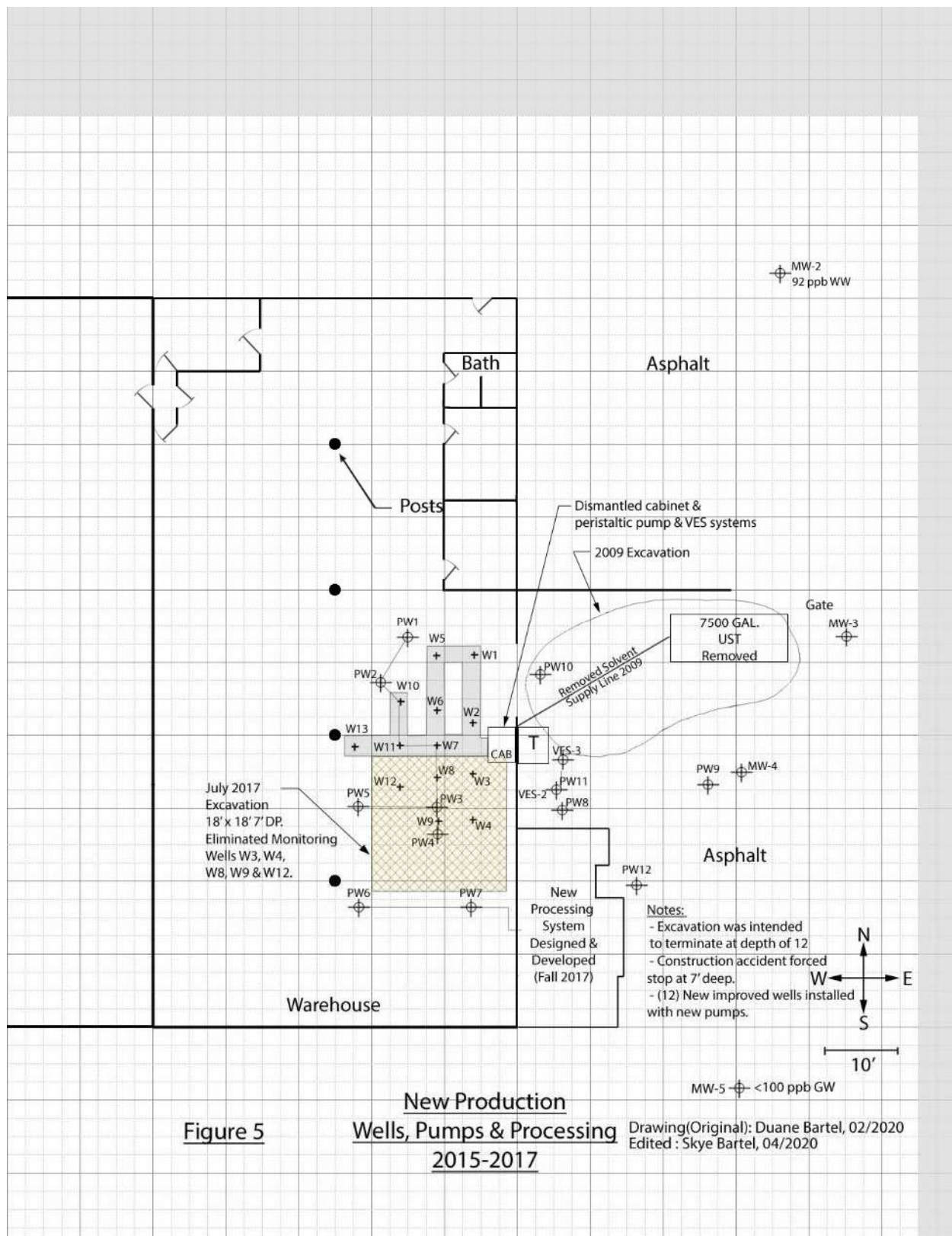
Due to poor initial apparent performance of, high cost and difficulty working with Regenox, we decided to research other treatment approaches. In January 2013, we performed a small scale (44 gallons) limited test of Hydrogen Peroxide with a 1:50 H₂O₂:H₂O mix ratio. See Appendix D-42 for specifications and MSDS.

This treatment was repeated an additional four times throughout 2013. The net effect appeared similar to that of the Regenox treatment, with apparent increases in VOCs from tested groundwater samples exceeding what would be expected from seasonal variance and possibly from a concurrent cessation of groundwater pumping and treating.

By the end of 2013, it was concluded that these chemical injection solutions were too ineffective at the current VOC levels and that it would take an unacceptably large number of treatments of either product to reduce solvent levels to compliance limits.

Groundwater monitoring continued throughout 2014 (See Table 1 in Appendix A-36 and Appendix C) while the processing system was left offline to further observe results of the previous chemical injection treatments.

By the end of 2014, we determined that the best path forward would be to excavate the most contaminated soil under the warehouse and install a network of plumbing to treat the remaining contaminated soil/groundwater that couldn't be removed. As the property was being leased at the time, we had to coordinate and wait for a clear opportunity to proceed. It would be several years before such an opportunity would present itself.



3.0 2017 Excavation

Note: In March of 2017, we started researching a project in the South and West yard of the subject property to locate, excavate (including over-excavating) and disposing of paint illegally buried by FarWest Paint Inc. between the years 1955-1978. This project is covered in a separate report to WDOE, titled Tenor Company - 20200730ICA Status Report - Lead Paint, dated 7/30/2020. Ground penetration radar exploration was done in June of 2017. The actual excavation and disposal and closure of the project was done in the summer of 2018.

Based on EAI's estimate of the impacted soil and our own experience, we were confident the impacted soil was contained within an area, roughly circular, with a diameter of about 40 to 50ft with a center point a few feet west of the peristaltic pump cabinet (or electrical transformer – denoted with a "T" on the Figure referenced above.

However, we were very disappointed with the remediation by pump and treat methodology we had employed from 2009-2014. We perceived that the results from these treatments was not satisfactory considering all the time, effort and expense we had put into them.

Early in 2017, we approached the renter with an offer of lowered rent, in exchange for some flexibility, allowing us to do an excavation in a portion of the warehouse during the latter part of July and into August. The idea was to do a targeted excavation that would remove the most-polluted dirt to a depth of about 12 feet (or as deep as we could safely achieve). We would also do a smaller excavation just outside the wall of the warehouse to the same depth and tie the two excavations together under the wall with a 12-inch diameter collector line. That line would terminate just outside the wall at a 12-inch diameter stand pipe to a monument at the surface (basically, a well). The bottom of the excavation would have a collector gallery, like a drain field, to deliver ground water to the collector line. In addition, we planned to install horizontally bored lines at a depth of 8 feet below ground (the winter high water table level), and at 10-12 feet deep (the summer low water table level). These would serve, respectively, as VES/treatment lines and as collector lines at the deeper depth. We believed that boring a maximum of 20 feet horizontally in any direction from any wall of the excavation, would have exceeded the lateral limits of the zone of impacted soil.

The Tenant agreed to let us proceed and ESN Northwest was hired in June 2017 to bore two holes within the proposed 18' x 18' proposed excavation site for soil sampling for profile required by Republic Services to dispose of the polluted soil. Friedman and Bruya tested the samples per Republic requirements. We met with Rob Roe to discuss the 18' x 18' x 12' DP excavation project and corresponding outdoor excavation.

Throughout this project, we monitored the worksite (including the warehouse and offices) periodically to check for air quality compliance levels in the warehouse and offices using a MSA tester. See Monitoring Log in Appendix D-9 for further details.

We received approval of the profile from and made subsequent arrangements with Republic Services in early August 2017 to dispose of soil from the upcoming excavation. See Appendix E-5 for details.

The excavation project was started on August 12, 2017 with the intent to be finished on August 23. The project made use of two excavators, a skid-steer loader and horizontal boring equipment.

The intended excavation inside the warehouse would measure approximately 18' x 18' and the outdoor excavation would measure about 12' wide x 20' long.

The plan was to fill both excavations with drain rock.

Unfortunately, shortly after starting, an equipment operator hit an electrical panel, blowing a number of transformers feeding power to this facility and making the Tenant, obviously, very upset. The outdoor project, which had barely started, had to be terminated to focus, instead, on restoring power for the Tenant's operations.

Not only did we, then, not have time to resume the outdoor excavation, but the electricians required access to this space to do the electrical repairs. So, that excavation plan was permanently terminated. No soil was removed. We only had a small area of asphalt to replace in order to restore that outdoor slab area to its original condition.

Instead, due to very limited time remaining, we excavated indoors to only 7 feet deep, installed twelve vertical $\frac{3}{4}$ inch sparge lines, four feet deeper than the excavation, intended for treatment or clean air injection to bioremediate the soil down to a depth of 11 feet.

We also installed 2 inch diameter VES/treatment lines at the bottom of the excavation, 7ft below ground level and another level of 2 inch diameter VES/ treatment lines 4ft below ground level. We made careful note of the location of all these lines because we intended to, after replacing the concrete floor, have ESN install a number of improved-design wells through the excavation, to a depth of 20 feet.

While we did not fully achieve the goals set out for this project, we did build a useful remediation system which allowed us to continue progress. See Appendixes B-5, B-6 and B-7 for site photos from the excavation.

Impacted soil was stockpiled on the asphalt loading dock and loaded into Republic Services dumpsters as they were made available. Stockpiles were covered with tarps each night.

7/8 minus drain rock was delivered by Salmon Bay Sand and Gravel. The seven foot deep excavation was completely filled with it.

A licensed concrete contractor was hired to close the excavation. The excavation backfill was packed, rebar was installed on 2 foot centers and plugged into horizontally drilled holes in the existing concrete slab, polyethylene vapor barrier was installed and high strength (4-5,000 psi) spec engineering grade concrete was poured.

4.0 2017-2019 Water Treatment Processing Systems Upgrades

4.1 2017

Following the closure of the July-August 2017 excavation, we began to build and install a new water treatment processing system. This system would be comprised of 12 new wells, a 750-gallon sediment/clarifier tank, three packed-tower air strippers, two sets of two-stage Organoclay filters and extensive plumbing to connect it all together.

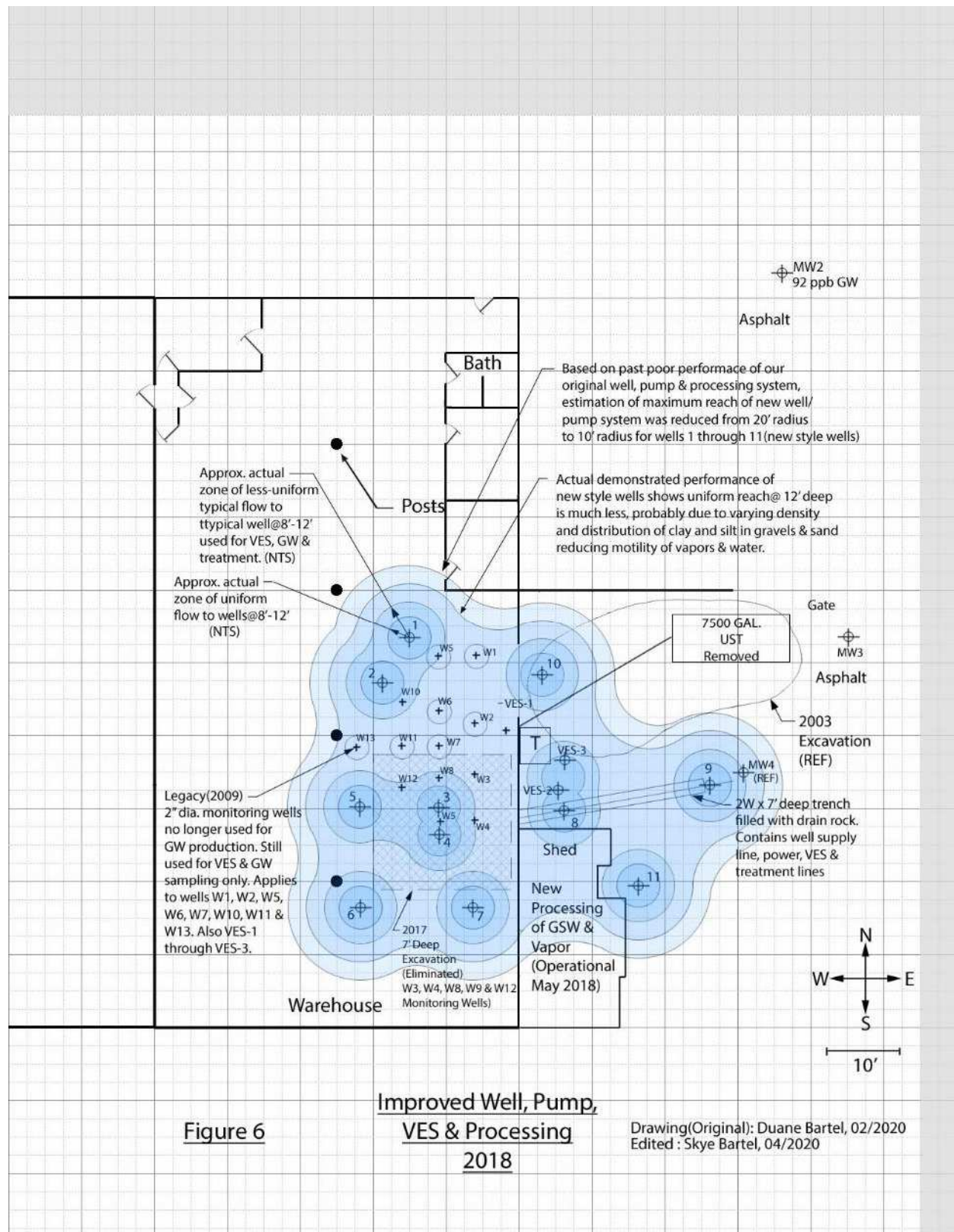
In October, ESN Northwest was hired to install twelve new, higher production, wells. Although the actual PVC screened well casings were identical to those used for monitoring wells, these wells were not driven. They were bored with a hollow 8 inch diameter auger with the 2 inch casing installed in the center and the area around the casing filled with a highly porous garnet (Colorado) sand, making it orders of magnitude more productive than a standard monitoring well.

These wells would prove to be far superior in production of groundwater than the pushed wells had been using previously. Some wells were capable of producing over 3gpm (gallons per minute) in winter and, often, over 1gpm in summer. The exception would be late summer, when some wells' production could fall to a fraction of a gallon per minute. But, it was interesting, and disappointing to discover that these wells also varied widely in their productivity and, again, two wells five feet apart could exhibit surprising differences not only in VOC level and production rate, but also show great variation in how fast they cleaned up (VOC reduction rate).

Soil testing continued to show most of the pollution concentrated between 8 and 12 feet below ground surface (bgs). Heaviest concentrations usually hovered around 10 feet bgs. The new pumps being utilized were Proactive Waterspout II submersible pumps. We used a controller to place each well on a timer that allowed us great flexibility regarding which wells to pump from and how much. Because of the limiting factor of the organoclay filters used in the polishing phase of processing, we generally tried to limit total output rate to not more than 10gpm.

November and December 2017 was spent procuring materials for this new treatment system.

We also dug a 2ft wide x 20ft long x 7ft deep trench outdoors from the processing shed to well #9 east of the shed. In the process of that work, we installed VES, GW supply, pump power (12 volt) and treatment/drain lines in the trench before it was filled with drain rock and closed.



4.2 2018

January through April of 2018 was spent primarily fabricating Packed-Tower Air Strippers 1, 2 and 3 and constructing two additions to the Processing Shed to house the Sediment/Clarifier tank and the three air strippers. See Appendix B-8 – Frame 7-2.



In April 2018 we began regular groundwater sample testing of the new production wells (PW1-PW10). Initial results were mixed with results ranging from a very encouraging 4,200ppb to a disconcerting high of 220,000ppb. At the time we attributed this variance to varying distributions of silt and clay, causing non-uniform distributions of VOC among other factors.

Also in April 2018, the then Tenant at the property moved out allowing us to work full time to build this new/upgraded processing system.

In May we made a new air/water separator for the pressure side of the new processing system downstream from the air-strippers, a new activated carbon filtration system, a set of two-drum gravity fed organoclay filters and upgraded the existing VES and Pressure filtering systems. All of these, including the sediment tanks and air strippers, went operational in a clean water test program prior to full implementation.

We determined that this new water treatment system could process between 8-12 gallons per minute (gpm) before some of our weaker gravity fed bottlenecks would exceed overflow limits.

In late May through June we began operating the new processing system in earnest.

As the water table dropped over the dry summer months, we shut down the water treatment system, leaving the VES running. Groundwater sample test results from the production wells during this time were very encouraging, including some wells testing below cleanup limits (See Table 2 in Appendix A-36 and Appendix C). Additional testing indicated that this water treatment system was capable of reducing VOC levels by 40% at minimum to as much as 80% per pass-through. The processed water was returned to the area of the 18' x 18' x 7' excavation.

In all, during this roughly six-week phase of operation, we were able to see a system performance of 8gpm of 24/7 processing adding to roughly 12,000 gallons per day on average of continuous operation. The result from this phase being approximately 500,000 gallons of groundwater processed and an estimate of 2-4 gallons of contaminant removed (not including vapor phase contaminant removed through the VES).

Anticipating increasing water tables again in the fall, we implemented a number of improvements and expansions to the existing groundwater processing system:

- We added the capacity to have repeatable limited hydrogen peroxide treatments injected through the return lines into the 18' x 18' x 7' excavation area along with a stage that passed the return line water through a UV treatment. See Appendix B-12 – Frame 11-2.
- We added two more organoclay filters which effectively allowed us to increase the process capacity by 100%. See Appendix B-12 – Frame 11.1.
- We trialed using higher capacity (~5gpm) jet pumps on the wells that were testing higher concentrations. See Appendix B-12 – Frame 11.3.
- We added an additional set of sediment collectors comprised of two 275 gallon totes and two 55 gallon drums to try to minimize sediment build up in the system. See Appendix B-12 – Frame 11.4.
- We added an aqueous carbon filter to the groundwater processing system just after the organoclay filters and before the hydrogen peroxide injection and UV treatment in the process flow order.

The water processing system, now improved and upgraded as outlined above, started operations again in mid-August 2018 with a new processing capacity of roughly 15gpm on average and a monthly capacity when running 24/7 of a little under 1 million gallons processed.

Through the rest of the 2018, monthly groundwater testing was conducted. During this phase of operation we saw a significant lowering of VOC in some of the wells with no appreciable change in others. See Table 2 in Appendix A-36 and Appendix C. We had developed competing theories to explain this variance. A conclusion that we had from early on in our water processing systems that variations in soil composition and natural channeling would result in unpredictable and sometimes disappointing “reach” and “pull” from some of the wells. As we ramped up production capacity (especially with the use of jet pumps), however, we began to

wonder whether the water surrounding the wells had enough time to collect much contaminant from the soil before being pulled through the system.

We decided to continue pumping and measure the results over the next several months while considering whether to continue our current remediation efforts or being considering other remediation options.

4.3 2019

We continued to operate the VES and groundwater processing systems through March 2019. In February, we had ESN Northwest install additional production wells outside and to the east of the warehouse (PW11 & PW12). Soil samples taken from PW12 tested at slightly above cleanup limits of 1,200ppm at 5' below grade and 1,400ppm at 10' below grade. Samples taken at 15', 20' and 25' below grade all tested <50ppm. See Appendix C for details.

Over the roughly seven month period the system was operating at full capacity from August 2018 through May 2019, we calculate that approximately 6 million gallons of water was processed and that between 20 and 40 gallons of solvent was removed from the impacted soil (this estimate does not include VOCs removed via the VES during this time).

During this time, an additional four drums of activated carbon (drum #s 6-10) had been depleted in the VES system. Two more drums, partially depleted, are still in use (#s 11 and 12). These carbon canisters likely removed approximately 50 gallons of VOC while in use.

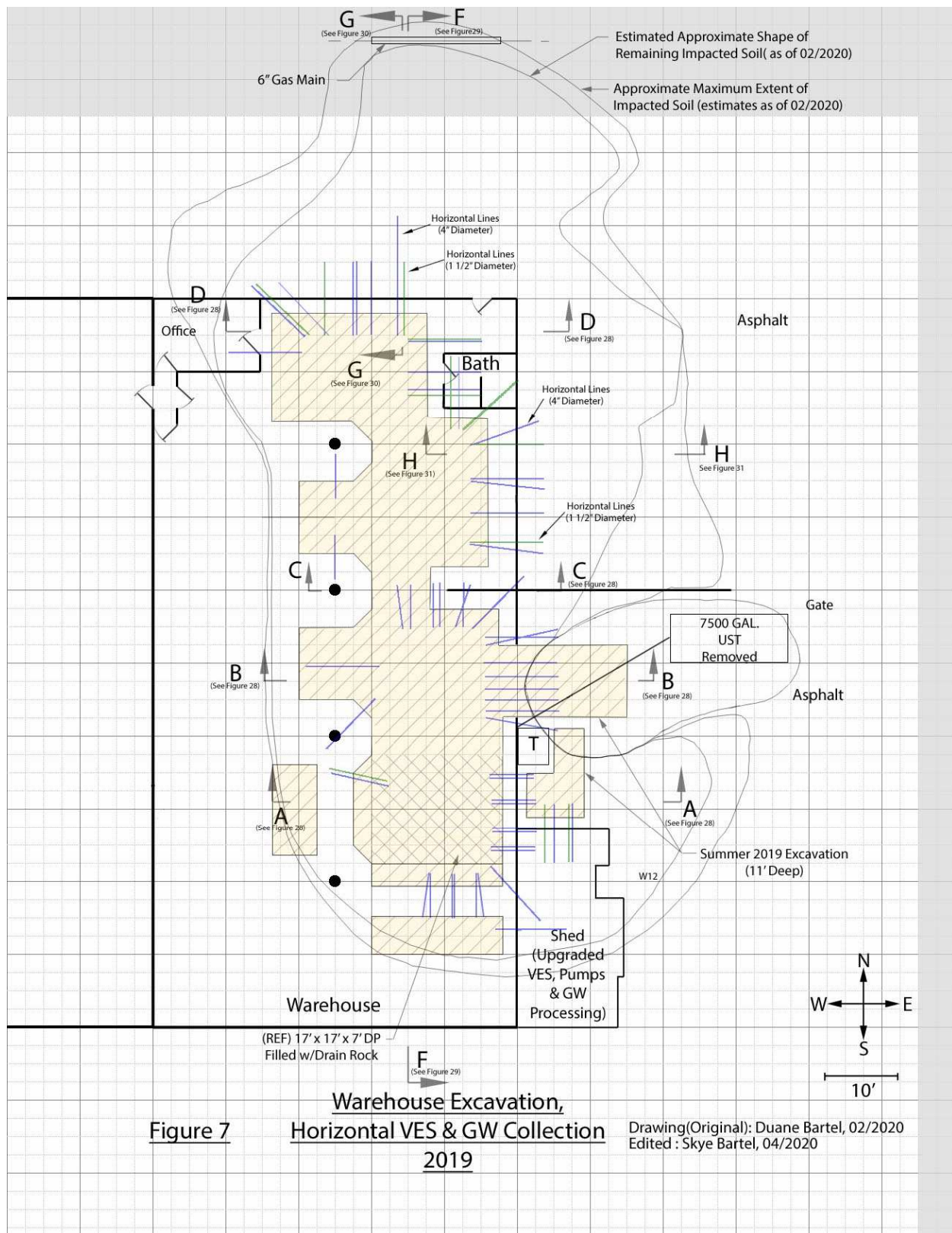
An indeterminable amount of VOC reduction is also likely to have occurred due to the oxygen-rich water from the processing system being returned continuously to the zone of impacted soil. This process should encourage any bioremediation taking place.

Monthly groundwater testing during this time continued to show rapid declines in VOC concentrations. Even some of the previously highest reading wells were testing near or below cleanup limits. See Table 2 in Appendix A-36 and Appendix C for details. These low results would further the internal debate over soil variance and channeling vs. pump pull rate.

In May 2019 we hired ESN Northwest to bore four additional wells (NW1-NW4) of the same 8-inch augured type as the twelve production wells (PW1-PW12). In an effort to test our competing hypotheses, they were strategically located in the middle of the warehouse treatment area to collect soils samples and to potentially provide additional production capacity. The samples tested clean at all depths except for one sample (NW2-10'), which tested at 2,800ppm. That greatly concerned us as NW2 was located less than 8' away from production wells 1, 2 and 10 of which had the most recent water samples had tested at 260ppb (PW1), 1,400ppb (PW2) and 560ppb (PW3) less than a month earlier. While this confirmed a suspicion that there was contaminant that was being missed in our treatment system approach, it wasn't enough to settle any internal debates as to the cause.

WELL	10FT.	15FT.	20FT.
NW1	<50ppm	<50ppm	<50ppm
NW2	2800ppm	<50ppm	<50ppm
NW3	<50ppm	<50ppm	<50ppm
NW4	<50ppm	<50ppm	96ppm

We continued exploring the possibility of using a surfactant as a means of more uniformly pulling VOCs out of contaminated soil. Matt Hauser of Field Environmental Instruments – Seattle, with whom we've worked to procure remediation equipment throughout this project, recommended Ivey International's Iveysol 106 as a potential solution. We met with Ivey International's Bud Ivey and Matt to discuss testing and purchased some of the product for testing. Due to inconclusive testing results, product costs and concerns that the surfactant may cause some contaminant to spread into previously non-impacted soils, we decided that it wasn't a viable option for our project.



5.0 2019 Excavations

In May 2019, we determined that we needed to have a full canvas of testing done for the known zone of impacted soil in order to fully understand where things stood in our remediation efforts. ESN Northwest was again hired to conduct a number of test bores (TB1-TB17) to collect soil samples to test. See Appendix A-37 and below for results and Appendix A-10 for locations.

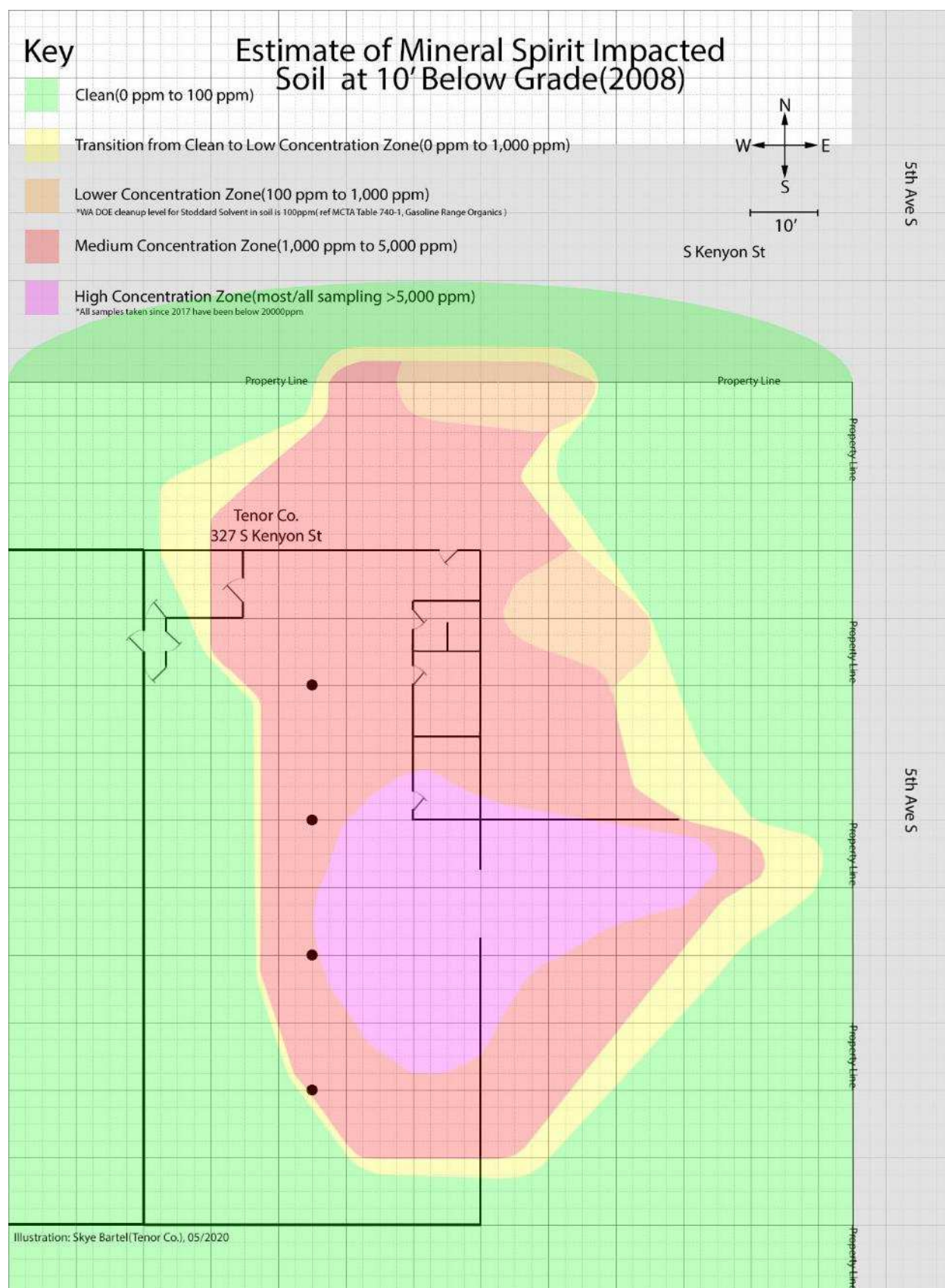
TEST BORE	7FT.	8FT.	9FT.	10FT.	11FT.	12FT.	14FT.
TB1				<50ppm		8800ppm	<50ppm
TB2				71ppm			1200ppm
TB3				760ppm			150ppm
TB4				400ppm			<50ppm
TB5						3600ppm	<50ppm
TB6			3300ppm	1200ppm		110ppm	<50ppm
TB7				400ppm	1200ppm		<50ppm
TB8				4500ppm			<50ppm
TB9		7600ppm		7400ppm		9300ppm	
TB10				6600ppm		1700ppm	<50ppm
TB11				5200ppm			<50ppm
TB12	<50ppm			1700ppm		9400ppm	<50ppm
TB13				280ppm		17000ppm	<50ppm
TB14						4800ppm	120ppm
TB15				1500ppm		6000ppm	
TB16				<50ppm		<50ppm	<50ppm
TB17				3900ppm		170ppm	<50ppm

These test results led us to realize that there remained a significant amount of impacted soil, both within and outside the areas we were actively treating and that continued efforts to process groundwater would be insufficient to achieve DOE compliance within any sort of reasonable timeframe or cost constraint.

From these test results, it was also realized that the area of impacted soil extended further north than EAI's 2010 estimate had suggested. In July, we rented boring equipment to conduct our own soil survey of the entire warehouse to find the exact extent of impacted soil. We also made use of a rented Honeywell MiniRAE 3000 PID meter to give us immediate informal results while taking some selected samples to be lab tested. See Appendix A-9 for locations of the samples taken from this survey and Table 4 in Appendix A-37 and Table 7 in Appendix A-39 for results.

This was followed by additional soil sample collection borings conducted by ESN Northwest in the yard and loading dock to the east of the warehouse and the parking area north of the warehouse to the north property line. In December 2019, a City of Seattle Street Use Permit was taken out for ESN Northwest to conduct additional borings north past the property line on S. Kenyon St. See Appendix E-89 for a copy of the permit, Appendix A-40 for PID results, Table 6 in Appendix A-38 for lab results and Appendix A-10 for locations of these.

XTB BORE	3FT.	5FT.	8FT.	9FT.	10FT.	11FT.	12FT.	13FT.	15FT.
XTB1					<50ppm				
XTB2					<50ppm			<50ppm	
XTB3					<50ppm				
XTB4					<50ppm		110ppm	140ppm	
XTB5					<50ppm				
XTB6					<50ppm				
XTB7					<50ppm				
XTB8			<50ppm		<50ppm				
XTB9					180ppm				
XTB10					<50ppm				
XTB11					<50ppm				
XTB12					4900ppm				
XTB13					<50ppm				
XTB14			2500ppm		<50ppm				
XTB15					<50ppm				
XTB16					<50ppm				
XTB17					620ppm				
XTB18			<50ppm		<50ppm				
XTB19					<50ppm				
XTB20					<50ppm				
XTB21			<50ppm		<50ppm		<50ppm		
XTB22					<50ppm		<50ppm		
XTB23			680ppm		90ppm		2700ppm		
XTB24			<50ppm		<50ppm		<50ppm		
XTB101	<50ppm		<50ppm					<50ppm	
XTB103					150ppm		<50ppm		<50ppm
XTB104			2000ppm		140ppm		2900ppm		84ppm
XTB105		<50ppm	170ppm		830ppm		110ppm		<50ppm
MW1			<50ppm	<50ppm	3900ppm	110ppm	<50ppm	<50ppm	<50ppm
MW2		<50ppm			<50ppm				<50ppm
MW3		<50ppm			<50ppm				<50ppm
MW4		<50ppm			<50ppm				<50ppm
MW5		91			<50ppm				<50ppm
MW6		<50ppm	<50ppm		<50ppm		<50ppm		<50ppm



The Figure on the preceding page shows what we estimate the extent of impacted soil was as of 2008 prior to any remediation efforts. The Figure was constructed from limited data from 2008/2009 and extrapolations from surveying in 2019.

The surveys conducted in June and July 2019 gave us a clear picture of the extent of impacted soil. See Appendixes A-12 through A-32. We were able to confirm that EAI's estimate of impacted soil from 2010 was mostly correct for the areas to the west, south and east of the initial UST source. See Plate 3 from *Supplemental Exploration & Further Remediation Feasibility Study, June 2009* for EAI's initial estimate of the lateral extent of impacted soil. We found, though, that the impacted soil extended much further north than they had estimated. It actually terminates about 10 feet north of the north property, under S. Kenyon St. We additionally found that it tapers off from a band approximately 10 feet thick (5'-15' below grade) at the source point near the warehouse transformer where the UST supply line entered the building, to about 4 feet thick (8'-12' below grade) at the north wall of the warehouse, to no more than 2 feet thick (8'-10' below grade) at the property line. At its terminus, it seems to round off to a radius of only a few inches thick (rather than a feather edge). See Cross-Section F-F in Appendix A-30 for a north-south profile estimate of the impacted soil.

From these surveys, it became clear that best approach forward was to directly excavate the highest impact areas under and just outside the warehouse. This would create the largest reduction in remaining VOCs as well as reduce VOCs where the hazard risk to people was highest (indoor versus outdoor) and would be the only approach we could see to achieve significant progress toward reaching compliance within a reasonable timeframe. In June 2019, we ceased VES and groundwater processing and began preparation work for the excavations.

In July 2019, we prepared and began excavating a large area under the warehouse. For the project, a skid-steer with a breaker bar and jackhammer attachment, an excavator and concrete saw cutting equipment were all rented. Roughly a dozen 24 to 48 inch diameter industrial fans were used to attenuate exhaust from the site. Republic Services provided dumpsters and did legal disposal as needed. See Appendix E-48 through E-74 for details. Soil samples were taken throughout the process and tested both onsite with a PID and submitted to Friedman and Bruya for lab testing.

The excavation project was broken up into 5 phases:

- Phase 0: A preliminary set of three trenches. Two 5' x 14' x 12' deep trenches inside the warehouse where we had previously determined to be located at the east and south termini of impacted soil. This was done to allow us to see what the transition from clean to contaminated soil looked like and to allow us to horizontally bore a number of perforated pipes into adjacent impacted areas that we would be unable to excavate (i.e. under structural support columns and walls) that could be used as part of a VES or treatment system for further



remediation efforts. A third trench just east of the warehouse and just south of the warehouse garage door was excavated. The north portion of this excavation was where the leaky pipe from the UST (the source of this sites soil and groundwater contamination) was located but was just outside the 2009 excavation area. This made it a high impact area that we wanted to address while otherwise focusing on work inside the warehouse. It was a roughly 5' x 10' x 12' deep L-shaped excavation. An extensive VES/treatment gallery consisting of five horizontally bored perforated pipes ((3) 4 inch and (3) 1 ½ inch diameter and 10' long) were installed going south under a shed attached to the warehouse to potentially pull/treat groundwater. Additionally there was a simple sparge line gallery placed at 8' below grade.

- Phase 1: We decided to begin the excavation from the north and work in stages to the south. This phase was a roughly 15' x 22' x 12' deep starting approximately one foot south of the north wall of the warehouse. See Appendix B-14 for site photos.
- Phase 2: A roughly 25' x 25' x 12' deep excavation located immediately south of Phase 1 and approximately 2 feet west of the east warehouse wall. See Appendix B-15 for site photos.
- Phase 3: A smaller, roughly 15' x 15' x 12' deep excavation located several feet south of Phase 2 and immediately west of the warehouse garage door. See Appendix B-17 for site photos. Due to logistical reasons pertaining to site access, this phase was excavated last and the east and west side walls of the excavated area were only excavated to an approximately 45 degree angle instead of the mostly vertical side walls of the rest of the excavation. This unfortunately left more impacted soil unexcavated here than we would have liked. We compensated for this by increasing the density of horizontal borings for the irrigation gallery in this phase.
- Phase 4: This phase was a roughly 20' x 20' x 12' deep excavation immediately south of Phase 3 and more or less in the same location as the 2017 excavation that was halted at 7' below grade. See Appendix B-16 for site photos.



Shoring was installed along the side walls of each excavation to allow us to install a VES/treatment gallery. Two layers of horizontal lines were bored all along the perimeter of each excavation. One set at ~8' below grade with 1 ½" and 4" perforated lines designed to provide

passive venting and potential VES and treatment capabilities to areas outside the excavation zones. Another layer of 4" perforated lines were installed at ~11' below grade to provide the capability to pull water for processing. Additionally, an array of 1 ½" sparge lines and a central 6' collector pipe to consolidate groundwater collection for all of the lines in this phase was installed in the bed of each excavation.

Soil was either briefly stockpiled or transferred directly to boxes provided by Republic Services to be hauled away. No contaminated soil was stockpiled outdoor and no indoor stockpiles were kept long enough before being transferred to require tarp coverings.

Backfilling was comprised of 5/8 minus drain rock filling each excavation up to approximately 6'-8' below grade overlain by gravel. See Appendix B-18 for site photos. Drain rock and gravel was purchased from and delivered by Cadman. See Appendix E-75 for details.

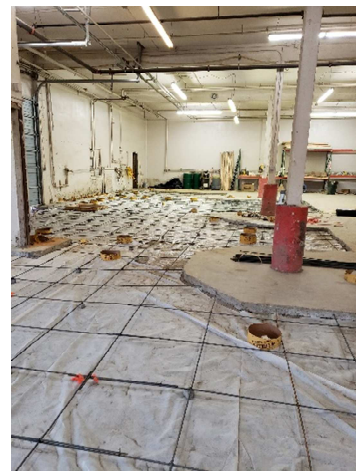
All vertical VES and groundwater lines were terminated in 2ft of Bentonite

Once all of the excavations were backfilled to grade, grade-level plumbing was installed to provide surface access for each of the ~8' below grade lines as well as an access point for each phase's collector line. See Appendix B-19 -- Frame 18-1 for a photo example. All vertical lines were terminated in 2ft of Bentonite. While most access point would be capped with a steel monument (see Appendix B-20 -- Frames 19-1 and 19-2 for photo examples), some grade-level access points were too tightly clustered together for each to have their own one. In those situations a box form was built for an enclosure with a custom fitted steel plate covering made for each one. See Appendix B-19 -- Frame 18-2 for a photo example of the box form and Appendix B-20 -- Frames 19-1 and 19-3 for examples of the custom steel plate coverings. Each vertical lines is capped with a locking cap.

Most of the 8' below grade lines have at-grade plumbing connecting them to the existing VES system located in the existing Processing shed at the south-east corner of the warehouse.

In December 2019, site preparations including soil packing, rebar and vapor barrier installation and concrete pouring to close the excavations were conducted by Lucas Construction LLC of Marysville, WA.

Also in December 2019, we had ESN Northwest install six new monitoring wells around the property to either replace removed or poor performing old wells and to reflect our current understanding of the perimeter of the area of impacted soil. Two were installed along the south perimeter of the property (MW2 and MW3), one a few feet SE of the NW gate (MW4), one in the middle of the yard to the south of the warehouse (MW5) and one at the north property line roughly along the north-south centerline of the warehouse and one (MW6) a few feet north of that onto S. Kenyon St. Soil and groundwater testing from MW2,



MW3, MW4 and MW5 tested clean for mineral spirits. Soil testing of cores from the boring of MW6 also showed the soil to be clean of mineral spirits. Several feet to the south of MW6, MW1 (a monitoring well installed in November 2019), had previously been tested showing a narrow band of impacted soil was present there. This indicated, along with soil testing of samples to the east and west of MW1, that this several foot stretch from MW1 to MW6 represents the northernmost boundary of impacted soil.

Confusingly, subsequent groundwater testing here (MW1 in January 2020 and MW6 in July 2020) showed above cleanup levels of mineral spirits in both wells. We believe that this incongruity is a product of a tenuous boundary where impacted groundwater extends out some distance further than impacted soil. We see evidence of this in other perimeter monitoring wells. In 2011, an old monitoring well located at the NE corner of the property showed groundwater mineral spirit concentrations of 350ppb while subsequent soil testing showed nothing above cleanup limits within 20ft. A similar observation was made with MW5 in July 2020, where groundwater tested at 250ppb while soil surveys conducted in 2019 indicated that the boundary of impacted soil to be approximately 30ft away to the north. An additional well (MW10) was installed on an adjacent property (484 S Kenyon St, Seattle, WA, 98108), with permission of the property owner, approximately 50 feet to the north of the subject property. Results from this well indicated no presence of mineral spirits in both soil and water samples collected in September and October 2020. From this, we have confidence that no other properties beside the subject property are currently impacted by mineral spirits identified in this report.

At this point (January 2020-early February 2020), we dismantled portions of the Environmental Processing Shed that was no longer needed for remediation. As of now, the Environmental Processing shed contains the fully operational VES system with 2 carbon canisters (still testing OK). All water processing has been decommissioned and removed, but the shed has been configured to mount a simple groundwater processing system, if desired, for possible future remediation considerations.

The current VES system can be operational in two configurations; either powered by a vacuum pump, or, now that the remaining pollution level is much reduced, the VOC vapors can be legally vented to atmosphere from a roof vent.

24 hour air samples were collected in November 2020 (one sample taken in the warehouse that was most impacted by the leaking UST and one outdoor control). The results from these are shown below.

	INDOOR SAMPLE	OUTDOOR CONTROL	INDOOR/OUTDOOR DIFFERENCE	CLARC METHOD B LEVELS (CANCER)
APH EC5-8 ALIPHATICS	<40 ug/m ³	<40 ug/m ³	< 40 ug/m ³	
APH EC9-12 ALIPHATICS	<50 ug/m ³	<50 ug/m ³	<50 ug/m ³	
APH EC9-10 AROMATICS	<25 ug/m ³	<25 ug/m ³	<25 ug/m ³	
BENZENE	0.48 ug/m ³	0.44 ug/m ³	0.04 ug/m ³	0.321 ug/m ³
TOLUENE	<19 ug/m ³	<19 ug/m ³	<19 ug/m ³	2,290 ug/m ³
ETHYLBENZENE	<0.43 ug/m ³	<0.43 ug/m ³	<0.43 ug/m ³	457 ug/m ³
M, P-XYLENE	1.2 ug/m ³	1.0 ug/m ³	0.2 ug/m ³	45.7 ug/m ³ *
O-XYLENE	<0.43 ug/m ³	<0.43 ug/m ³	<0.43 ug/m ³	45.7 ug/m ³ *
NAPHTHALENE	0.084 ug/m ³	0.057 ug/m ³	0.027 ug/m ³	0.0735 ug/m ³

*CLARC levels listed for total xylenes.

These results indicate that indoor air quality within the buildings at the subject property are, relative to the outdoor environment, within cleanup limits. See Appendix C for details.

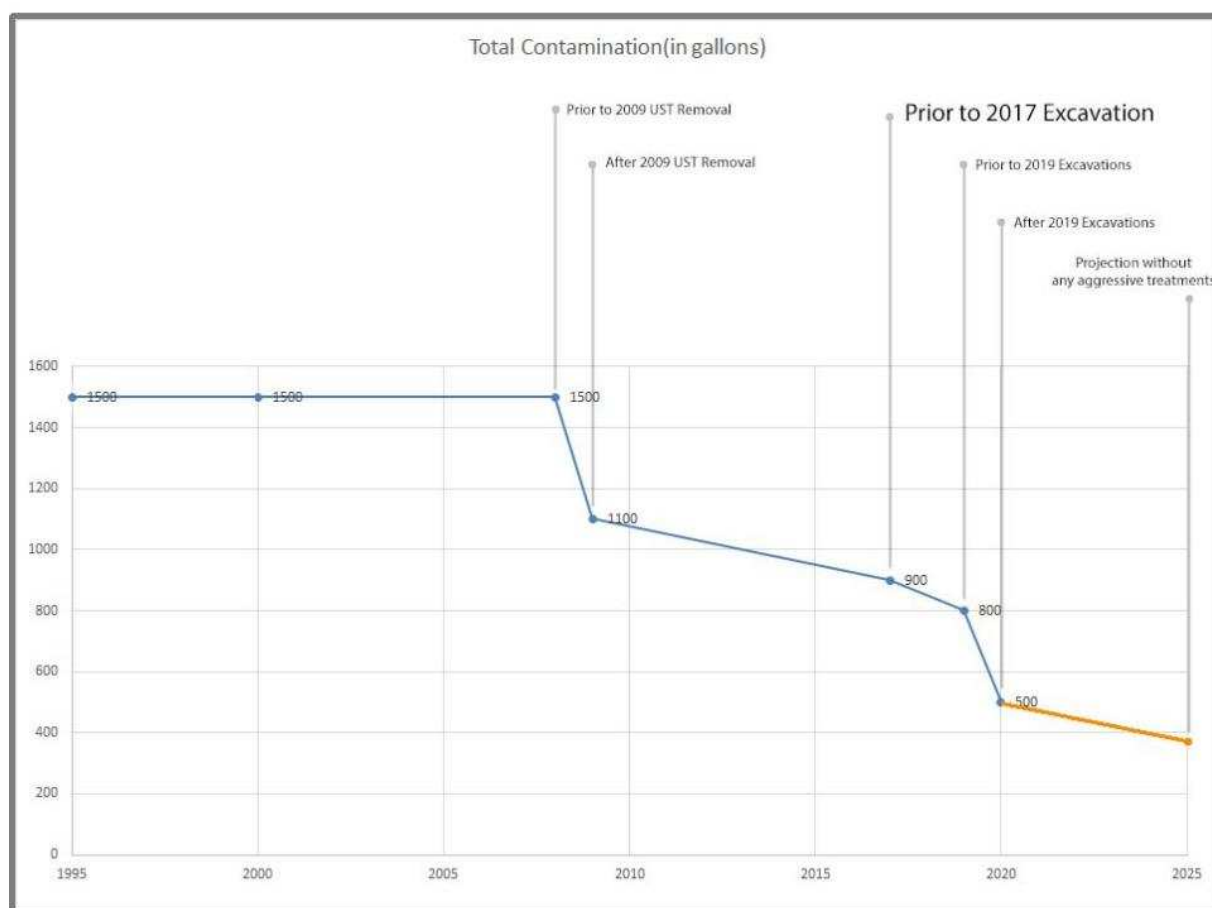
6.0 Conclusion

For the past twelve years, Tenor Company, LLC, the owner of the subject property at 327 S. Kenyon Street, has been performing an independent cleanup of pollution at the subject property. We have identified FarWest Paint Manufacturing Inc., currently operating in Tukwila, WA as the generators of this pollution. They installed the UST containing mineral spirits that leaked along its supply line to their factory (current warehouse) and they are the only entities recorded to have ever made use of it. We have also identified them as a likely generator of buried paint, including lead paint, on the property (covered in a separate report). They have refused to participate in any way with this cleanup.

The vast majority of the pollution on this property has been removed, especially the most difficult portion of the impacted soil lying under the warehouse. What VOC's remain, are primarily under the warehouse walls, support posts, a warehouse office and bathroom that made excavation of those areas impractical. Some VOCs also exist at the bottom of the excavations done this past summer in a layer about 1 foot thick (deeper than we could safely excavate). But a thorough groundwater collection/VES gallery is in place to efficiently attenuate vapors and/or water from this area, if desired. In addition to attenuating vapors, a 2HP ring compressor is in place and functional to selectively pressurize galleries to assist the passive or powered VES to more aggressively remove VOCs. At the same time, this method would actively aerate the soil, enhancing natural bioremediation. Alternatively, this gallery could be used effectively for treatment using Regenox ORC, Plume Stop or Hydrogen Peroxide.

Starting in October 2020, quarterly monitoring of the site's perimeter monitoring wells has begun. This will continue for at least one year, or as long as Ecology deems necessary.

Diagram 10
Total Stoddard Solvent Contaminant Volume Estimate
of 327 S. Kenyon Over Remediation Timeframe



*All values presented are informal estimates provided by Tenor Co.

The graph above shows our estimate of pollution removed to date and an estimate of how much additional pollution may be removed in years ahead simply by natural attenuation from exhaust of remaining underground VOC's through the network of VES lines installed, even without motor driven vacuum or pressure applied. We believe this is the most sensible and economical way to proceed. It relies on natural bioremediation working over a long period of time to gradually make the soil healthy and corrode the remaining solvent by oxidation into non-polluting fractions.

The following points establish the value of the remediation done to date by Tenor Company:

- The UST and about 2/3 of the total pollution have been eliminated.
- The volume of impacted soil has been reduced significantly and has no "supply" of additional mineral spirits (due to removal of the UST and most of the original impacted soil), making migration to neighboring industrial properties unlikely.

- Perimeter monitoring wells validate that observation.
- Original impacted soil was mostly under the warehouse. All of that impacted soil that could be safely removed, has been. If it is determined that, to acquire a NFA (conditional or otherwise), it becomes necessary to eliminate all of the impacted soil under the warehouse, we have installed extensive horizontal VES and groundwater collector galleries to accomplish that using either/or VES, pump and treat or using a blower(s) to bioremediate the soil under the warehouse by blowing fresh air under pressure through the galleries to oxygenate the soil and oxidize the impacted soil. That air sparging technique can also be combined with VES for an effective push-pull dynamic. Most of that capability is already in place and operational.

Given the progress that has been made and the considerable time and financial investment Tenor Co. has made over the last twelve years as well as the projected disproportionate costs/time assessed to bring the site to full compliance, we have decided to request an opinion for a conditional letter of No Further Action with environmental covenants from WDOE. That application will be made at some point following the release of this report and an additional report pertaining to a 2018 project to remediate lead paint found buried in a different area of the property.

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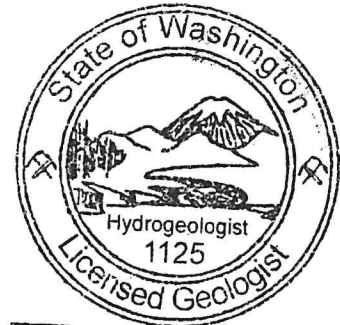
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ROBERT B. ROE

Report reviewed by the undersigned

A handwritten signature in black ink, appearing to read "Robert B. Roe", is written over a horizontal line.

Robert B. Roe, LHG.
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Republic Services – 4178 Roosevelt Regional MSW LF WA
(Provided soil waste disposal services in 2017 and 2019)

(206) 332-7777

54 S Dawson St.

Seattle, WA 98134

Contact: Teresa Dillashaw

Environmental Services Network Northwest
(Provided well installation and test boring services)

(360) 459-4670

1210 Eastside St. SE Suite 200

Olympia, WA 98501

info@esnww.com

Friedman & Bruya, Inc.
(Provided laboratory testing services)

(206) 285-8282

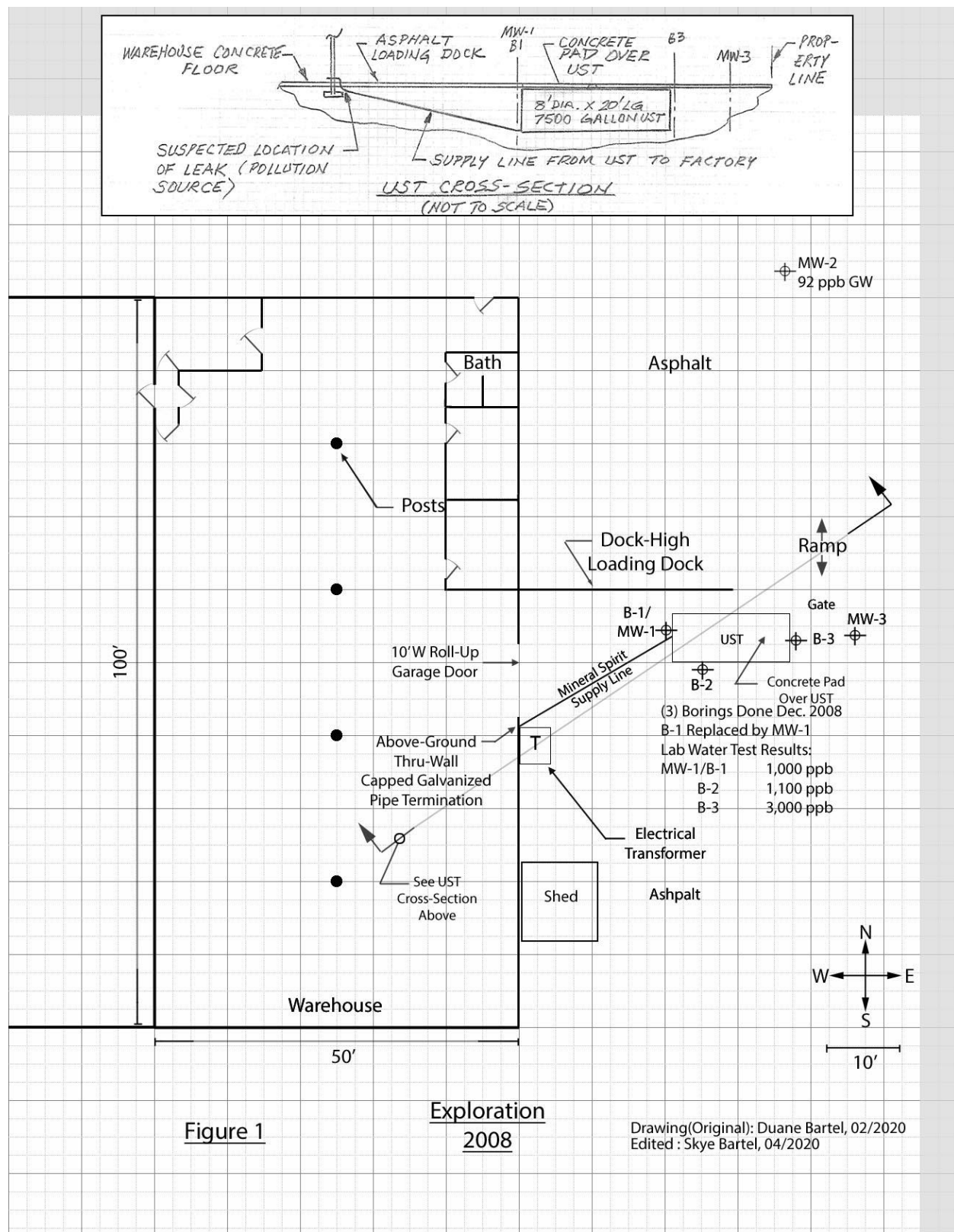
3012 16th Avenue West

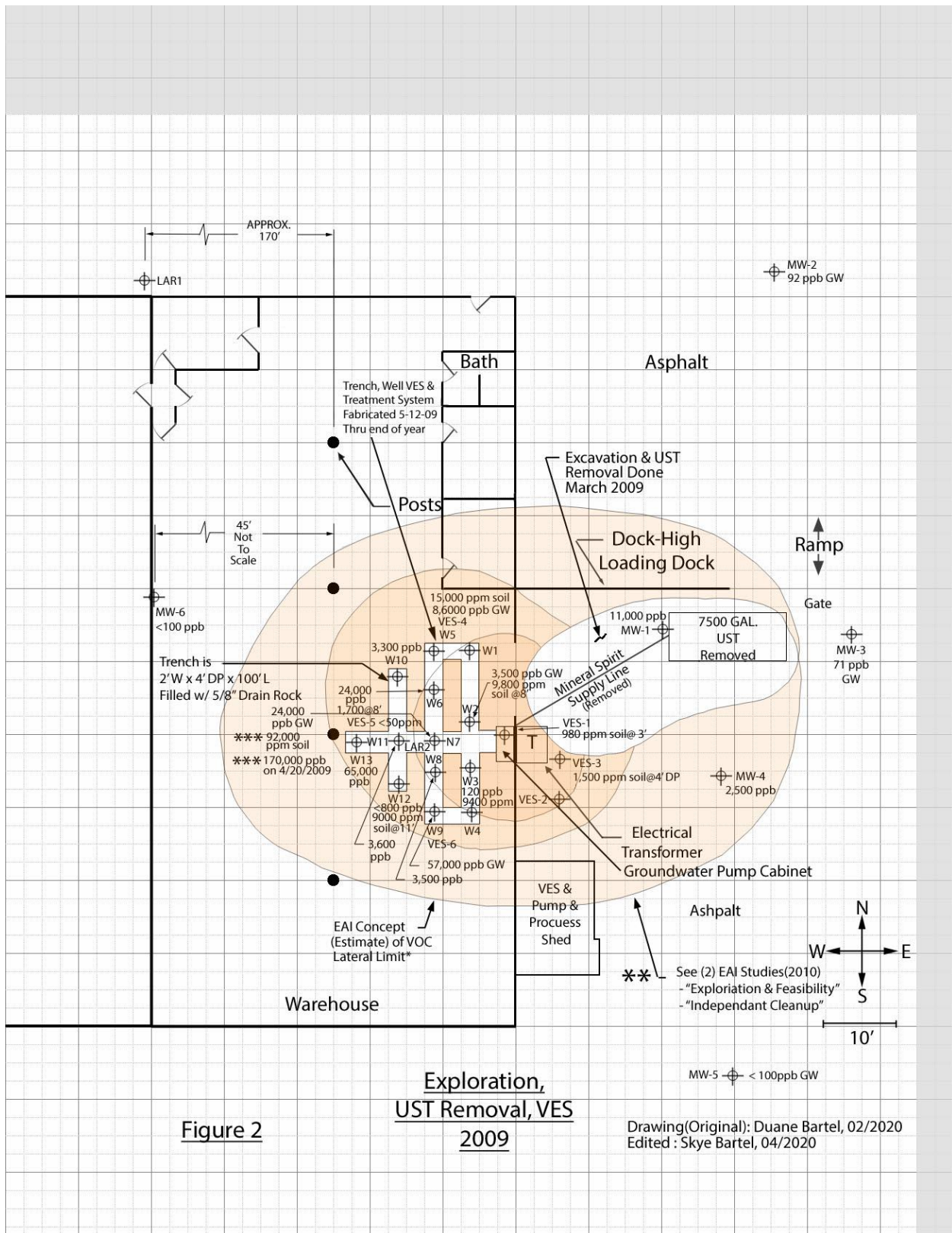
Seattle, WA 98119-2029

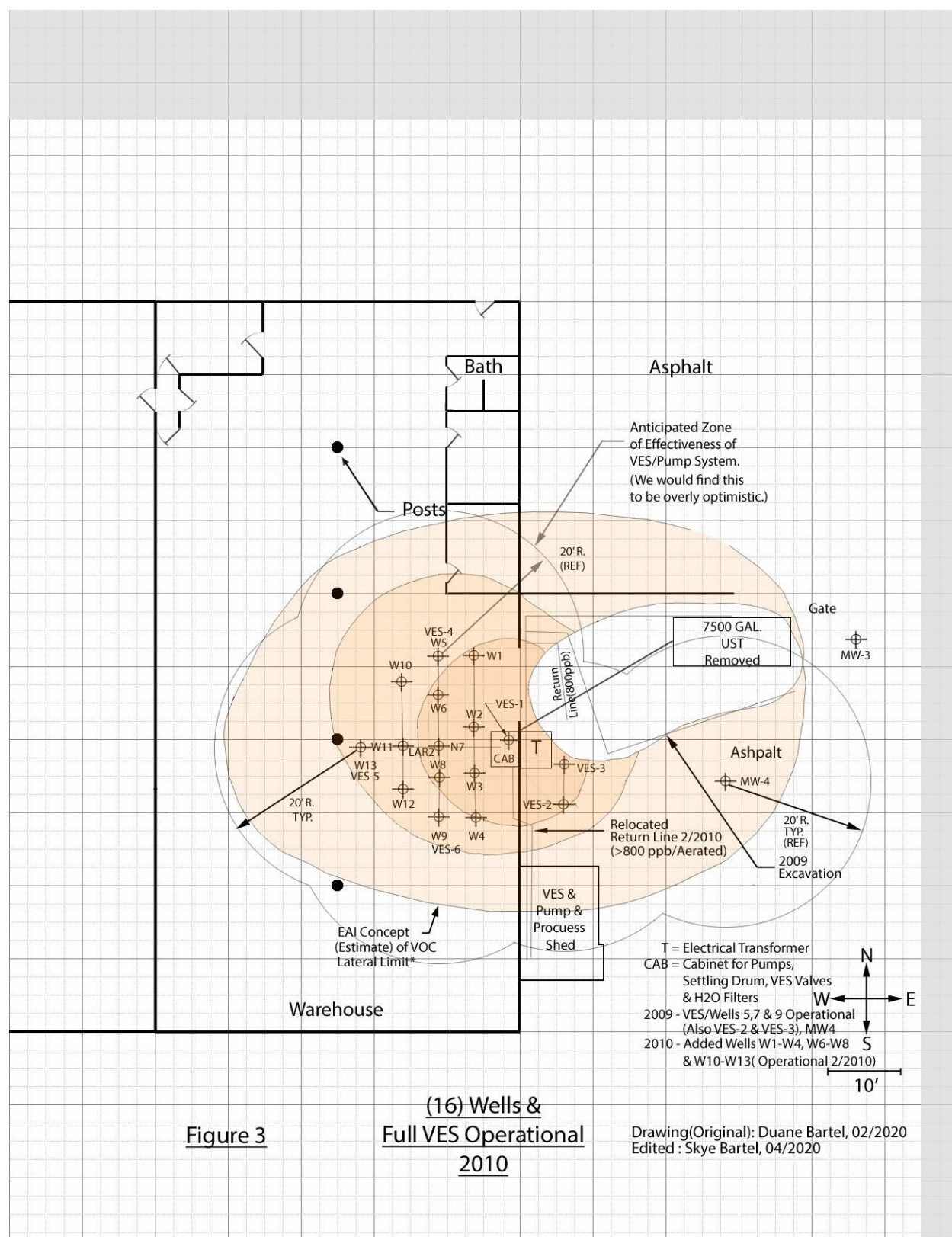
fbi@isomedia.com

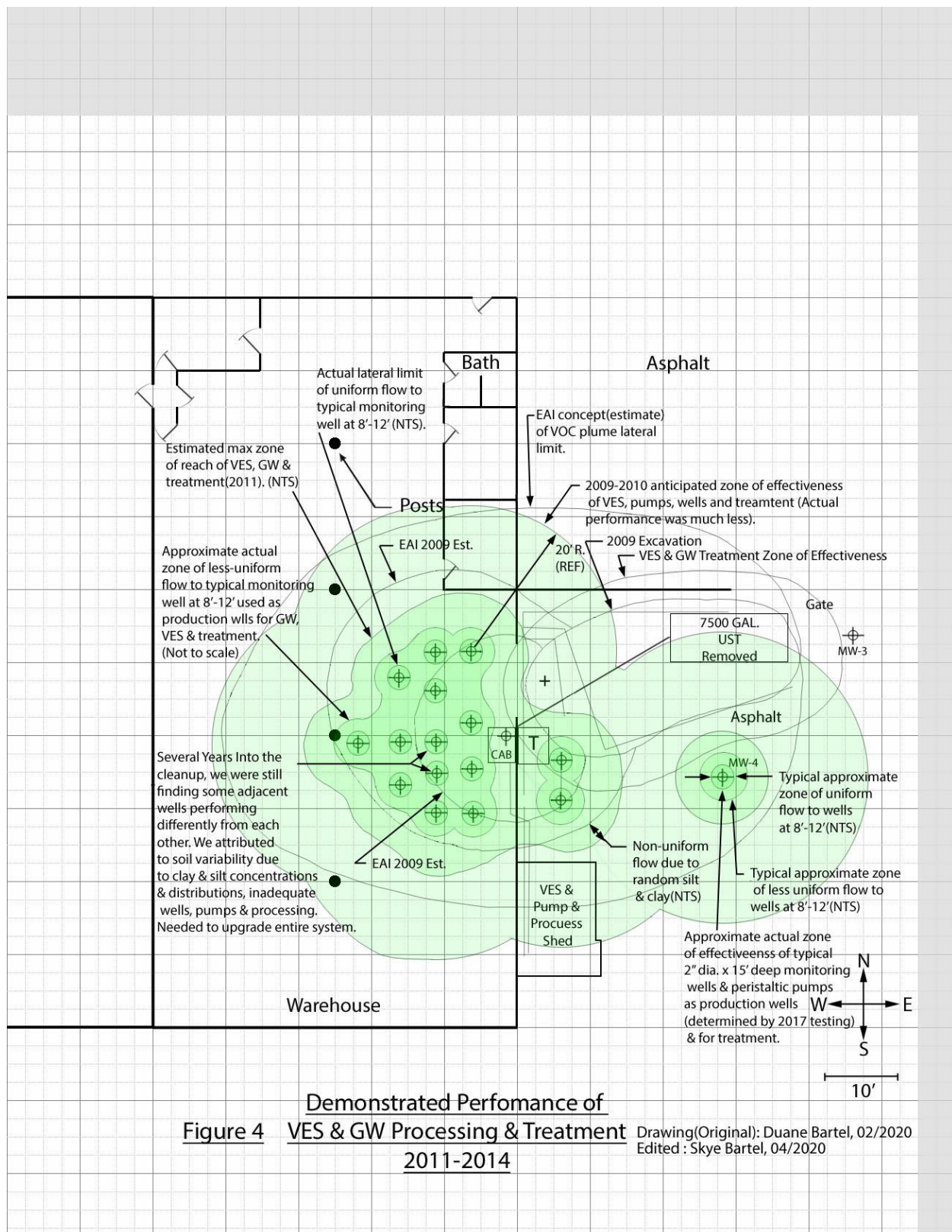
Contact: Mike Erdahl

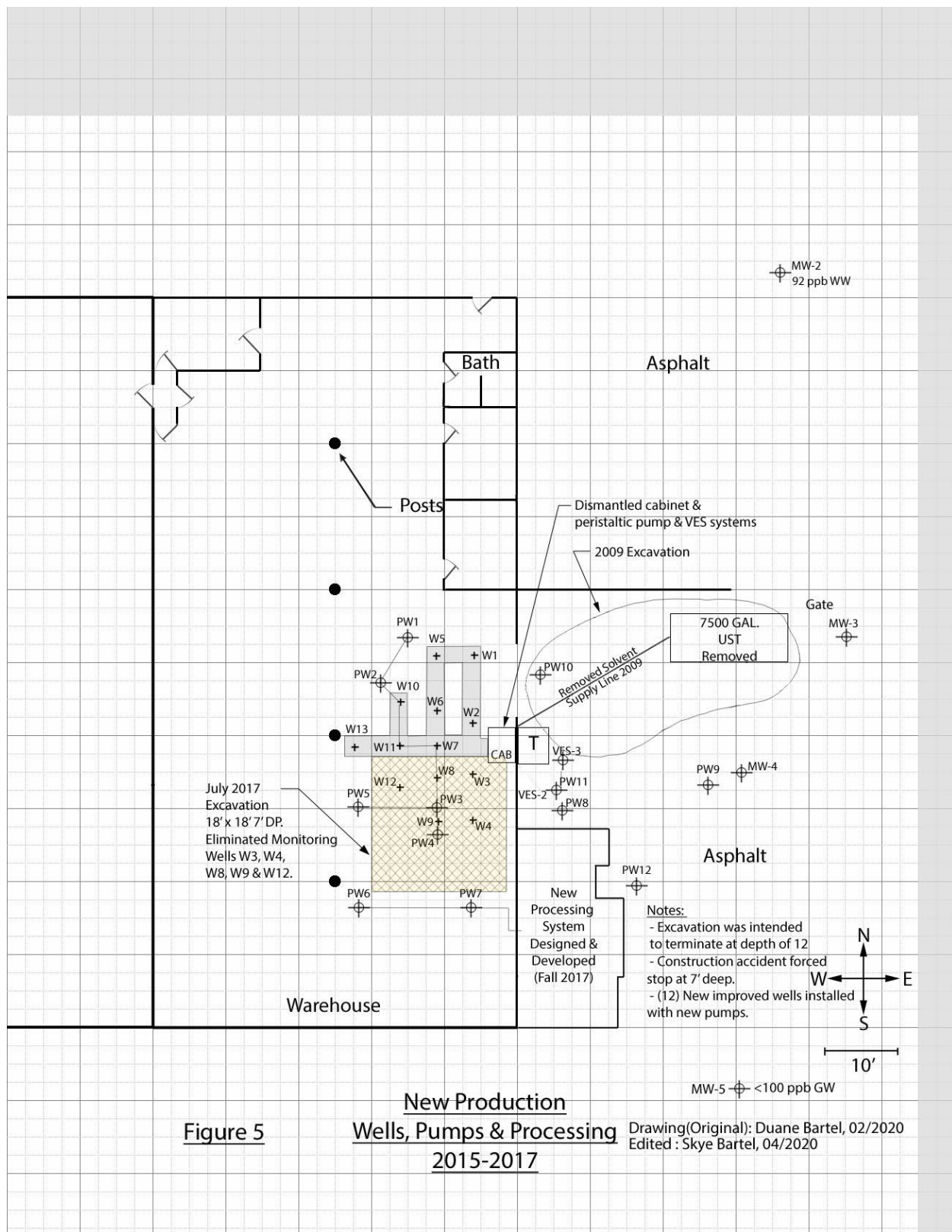
Appendix A: Additional Figures and Tables

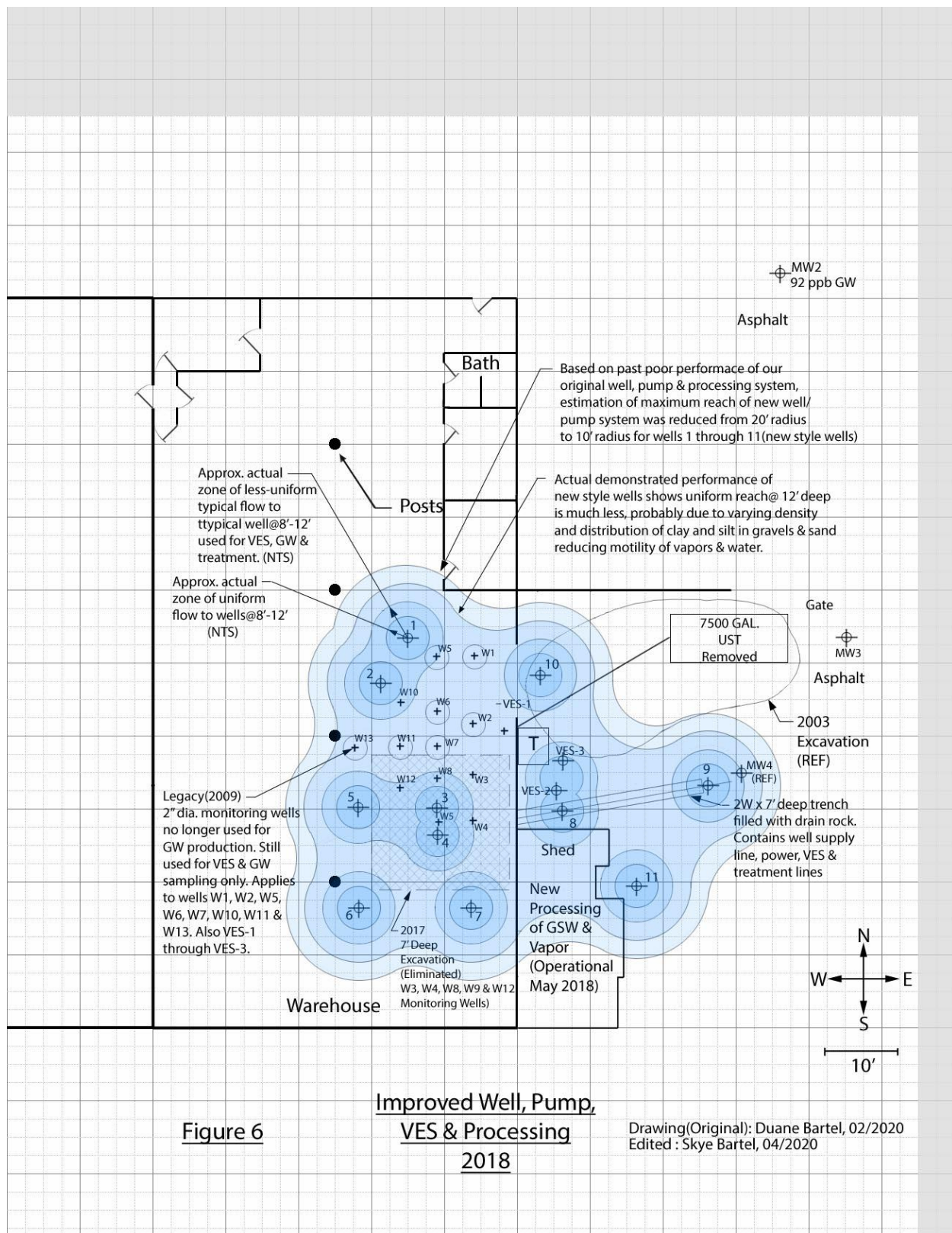


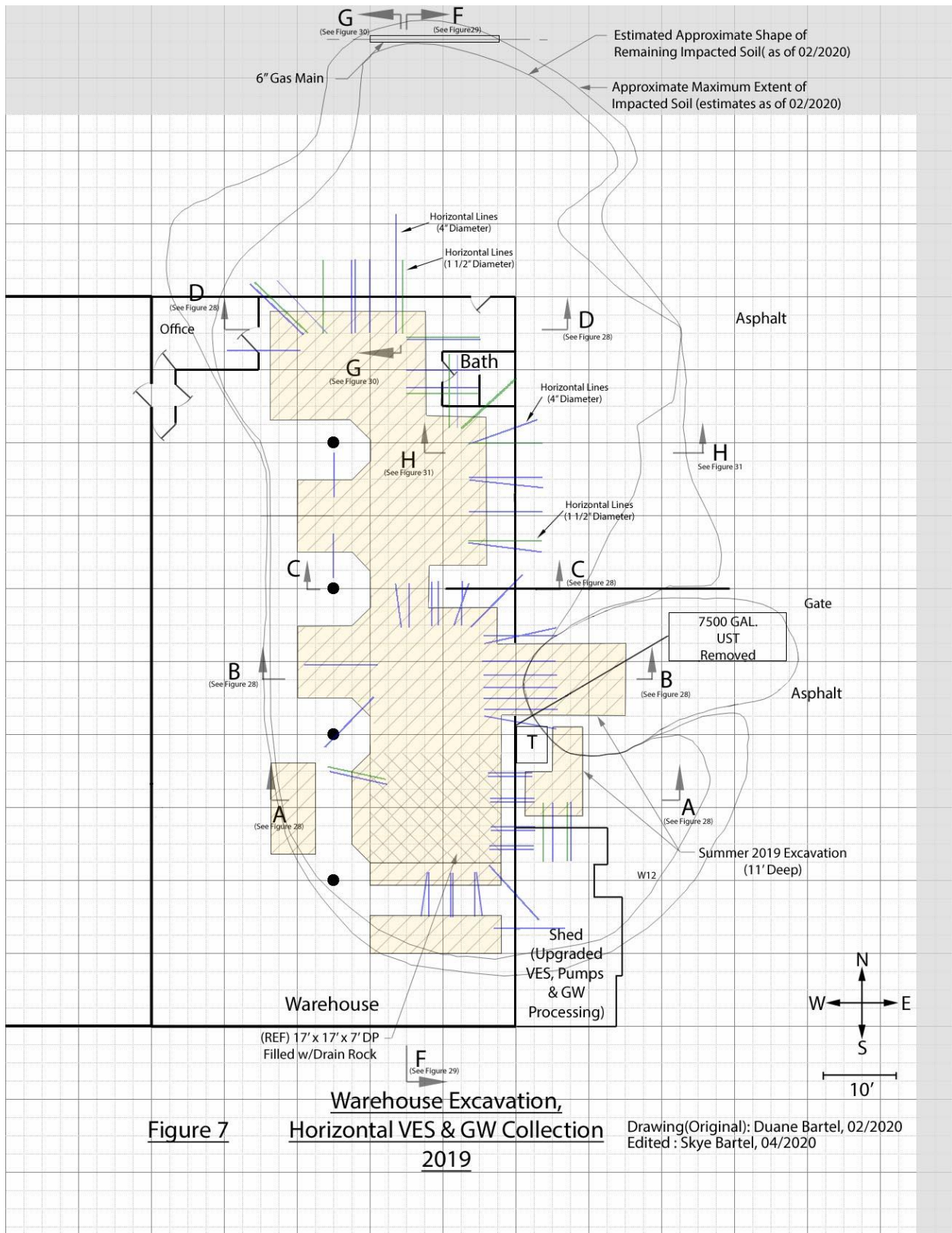


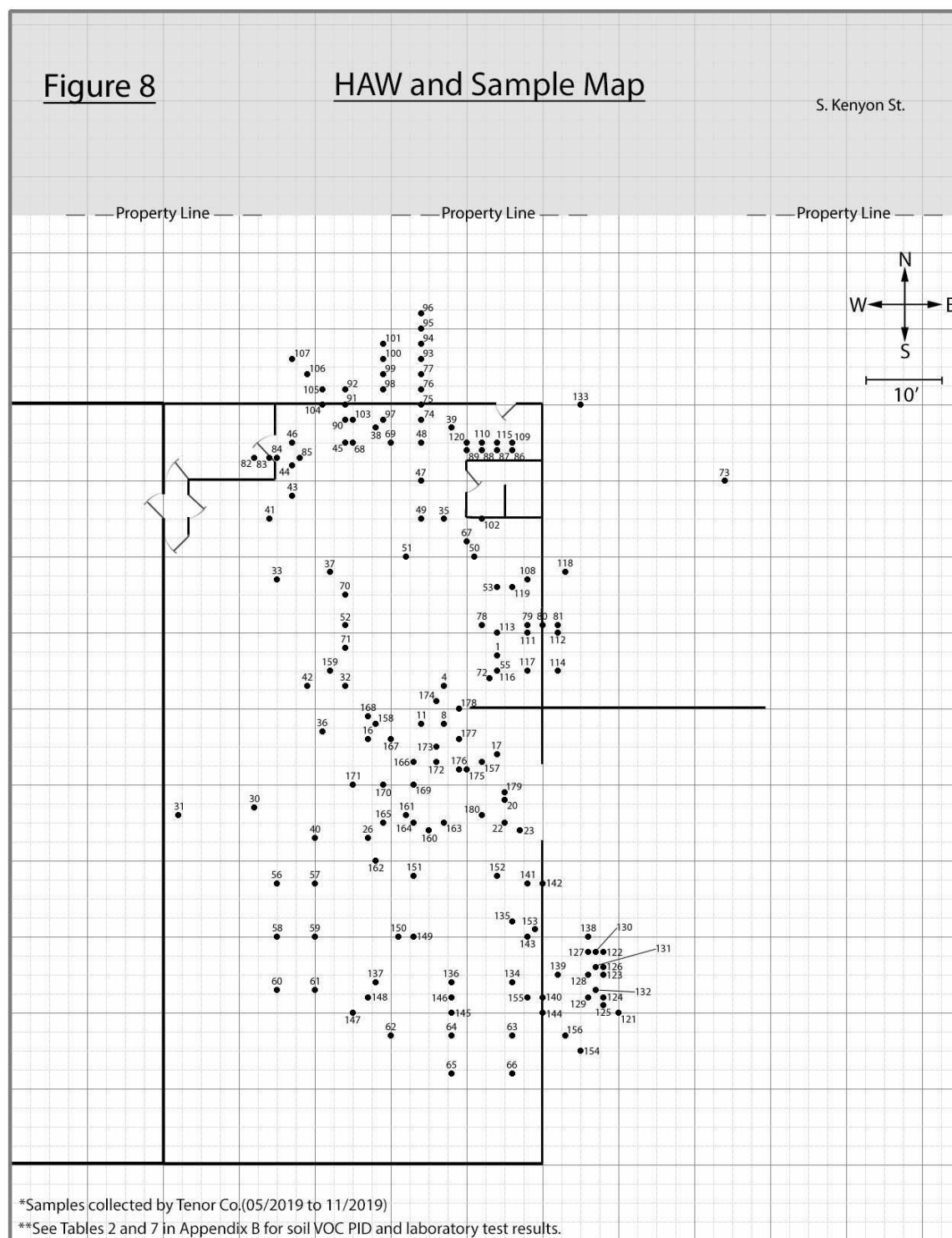












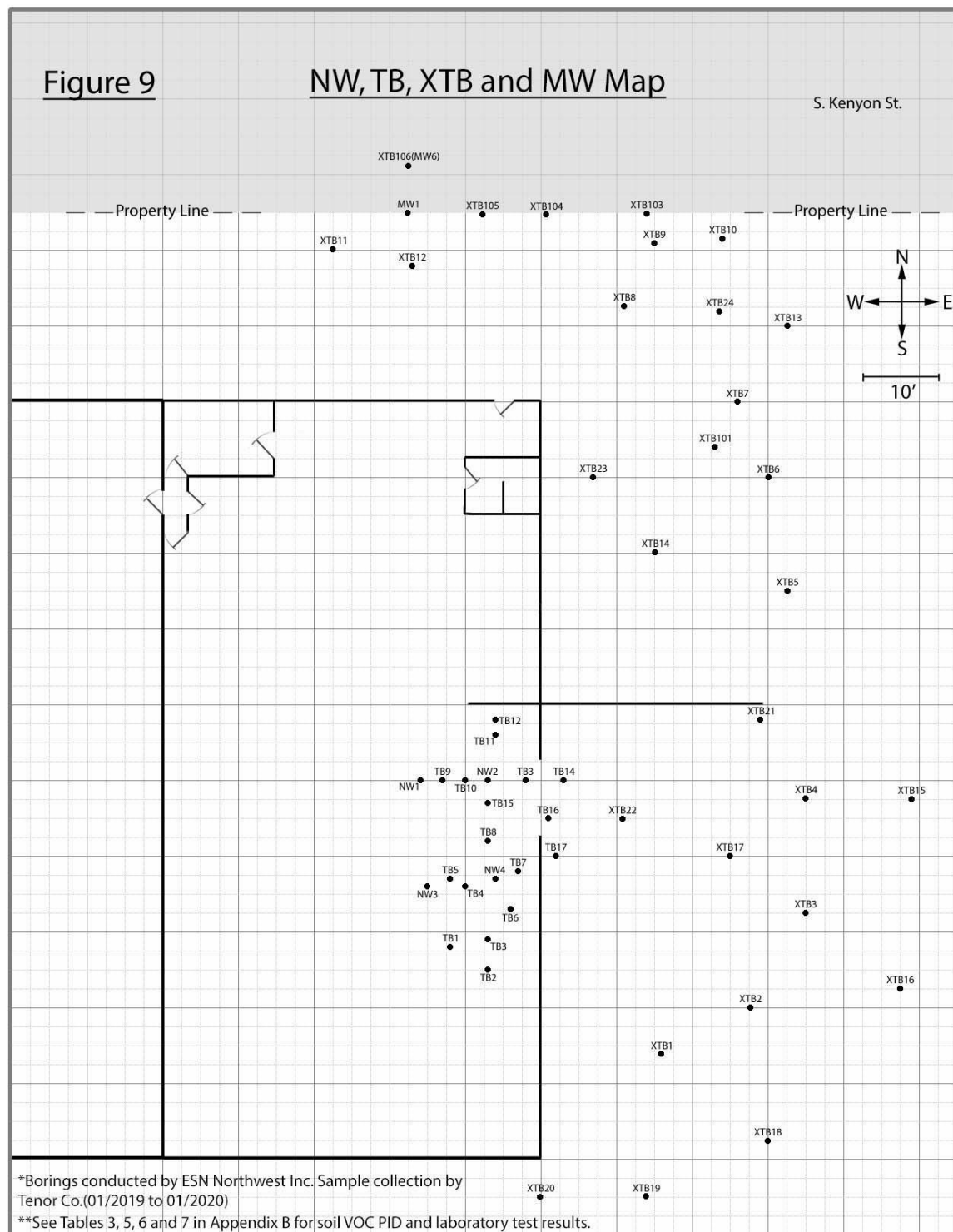
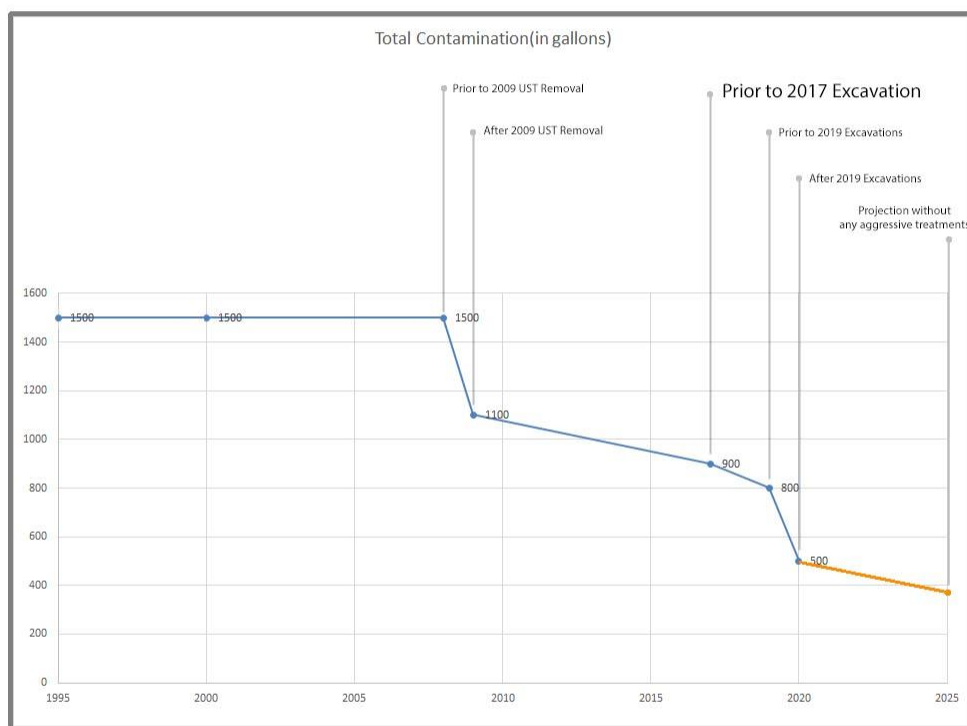
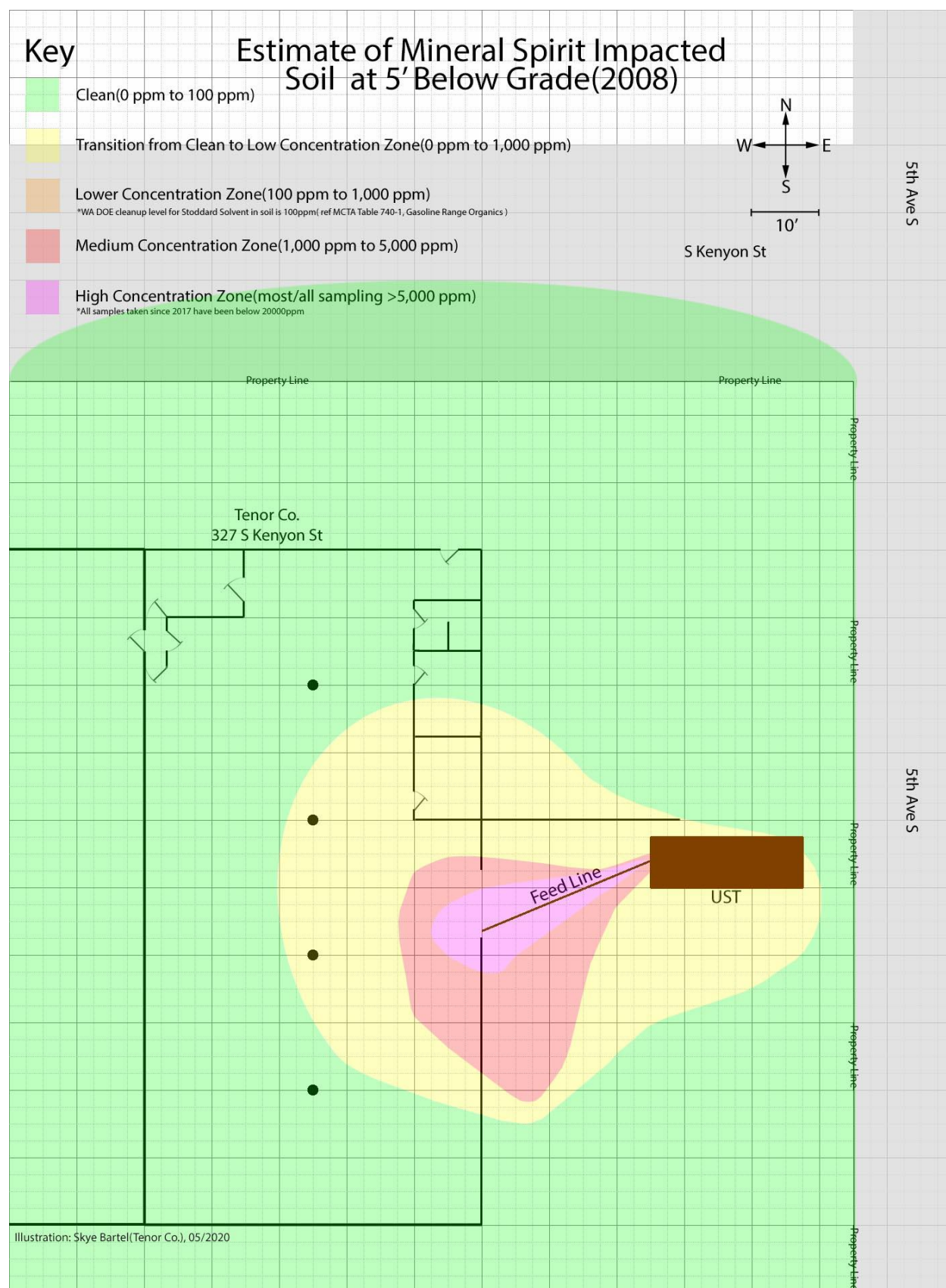
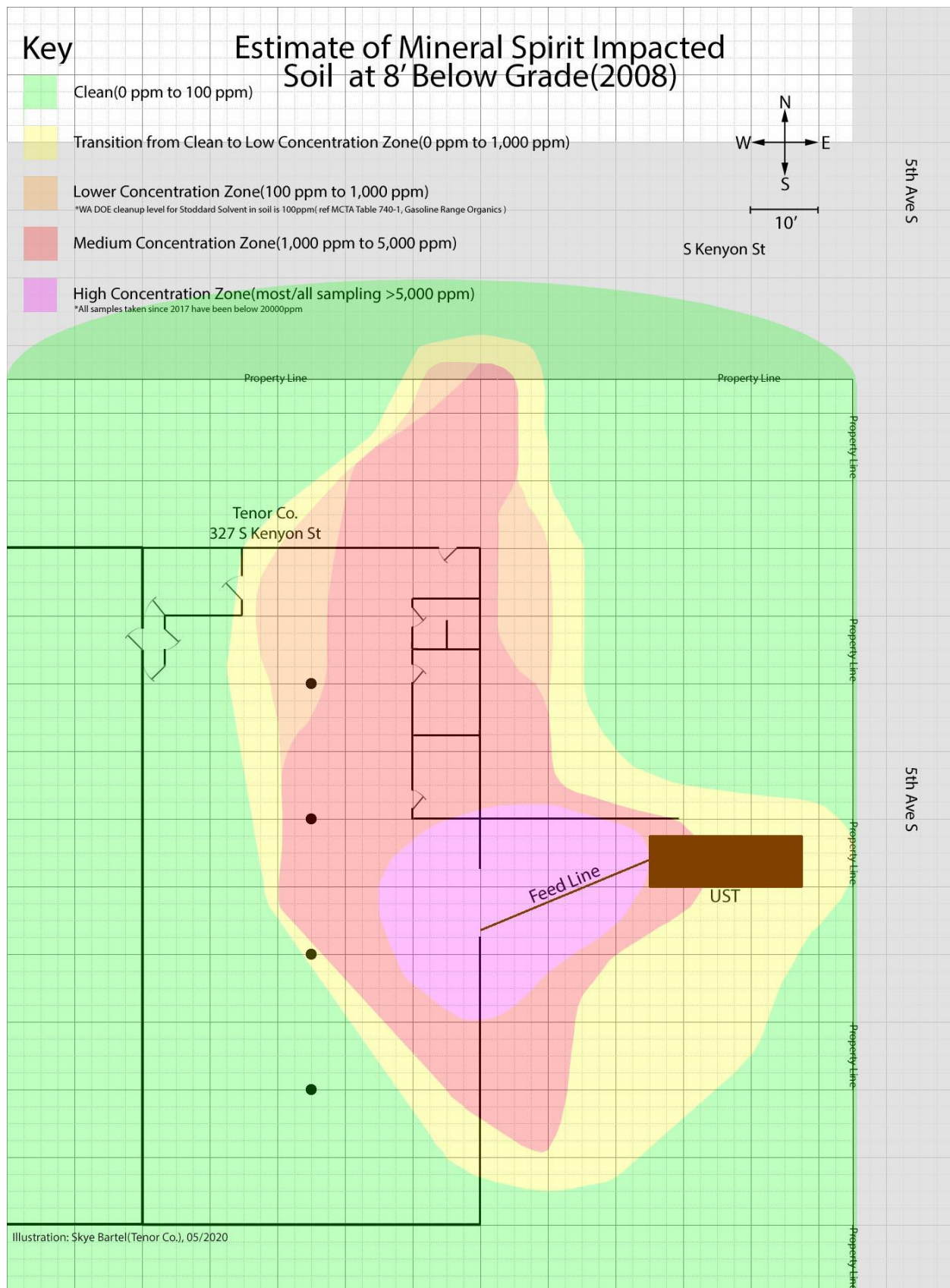


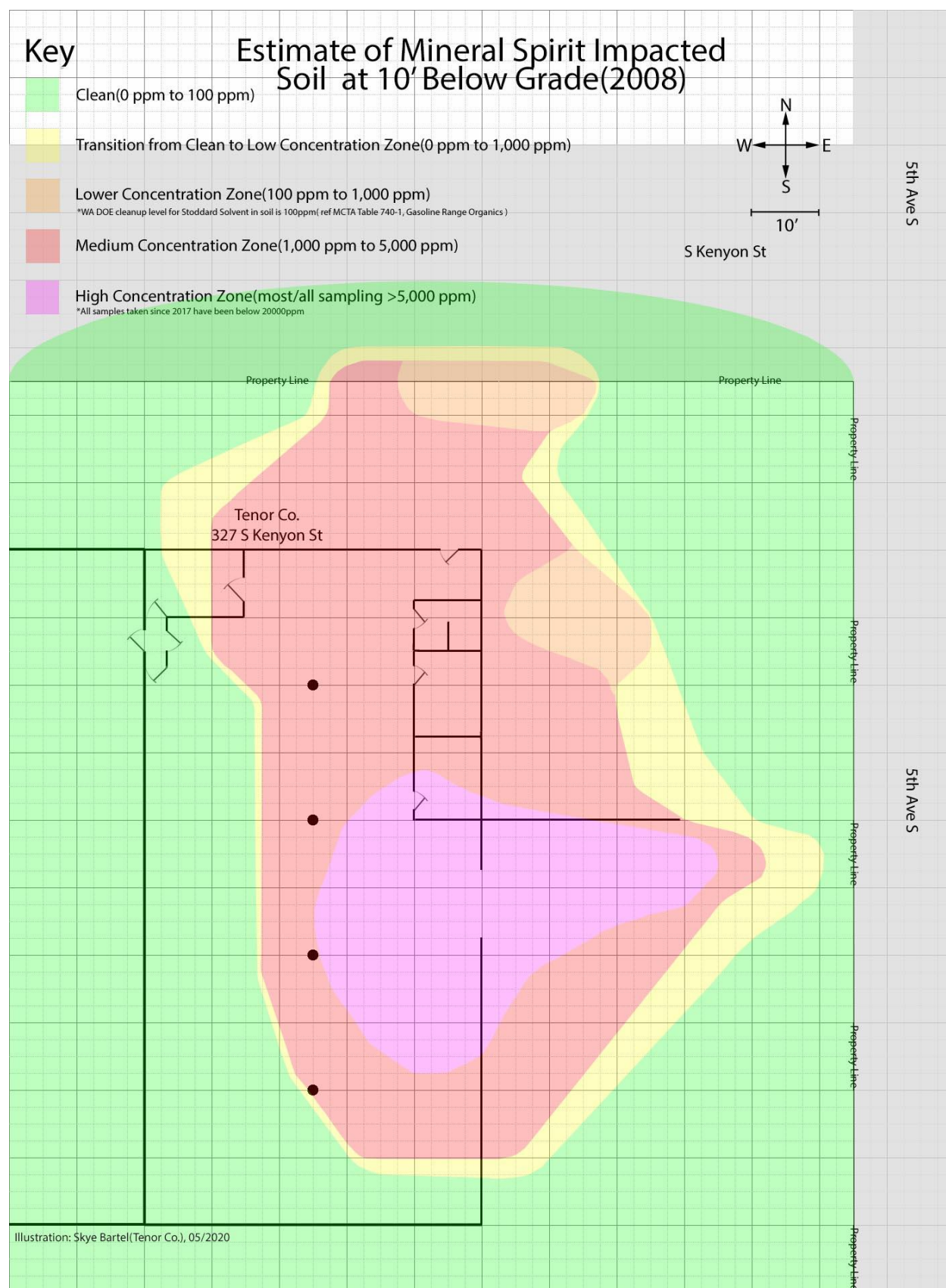
Diagram 10
Total Mineral Spirit Contaminant Volume Estimate
of 327 S. Kenyon Over Remediation Timeframe

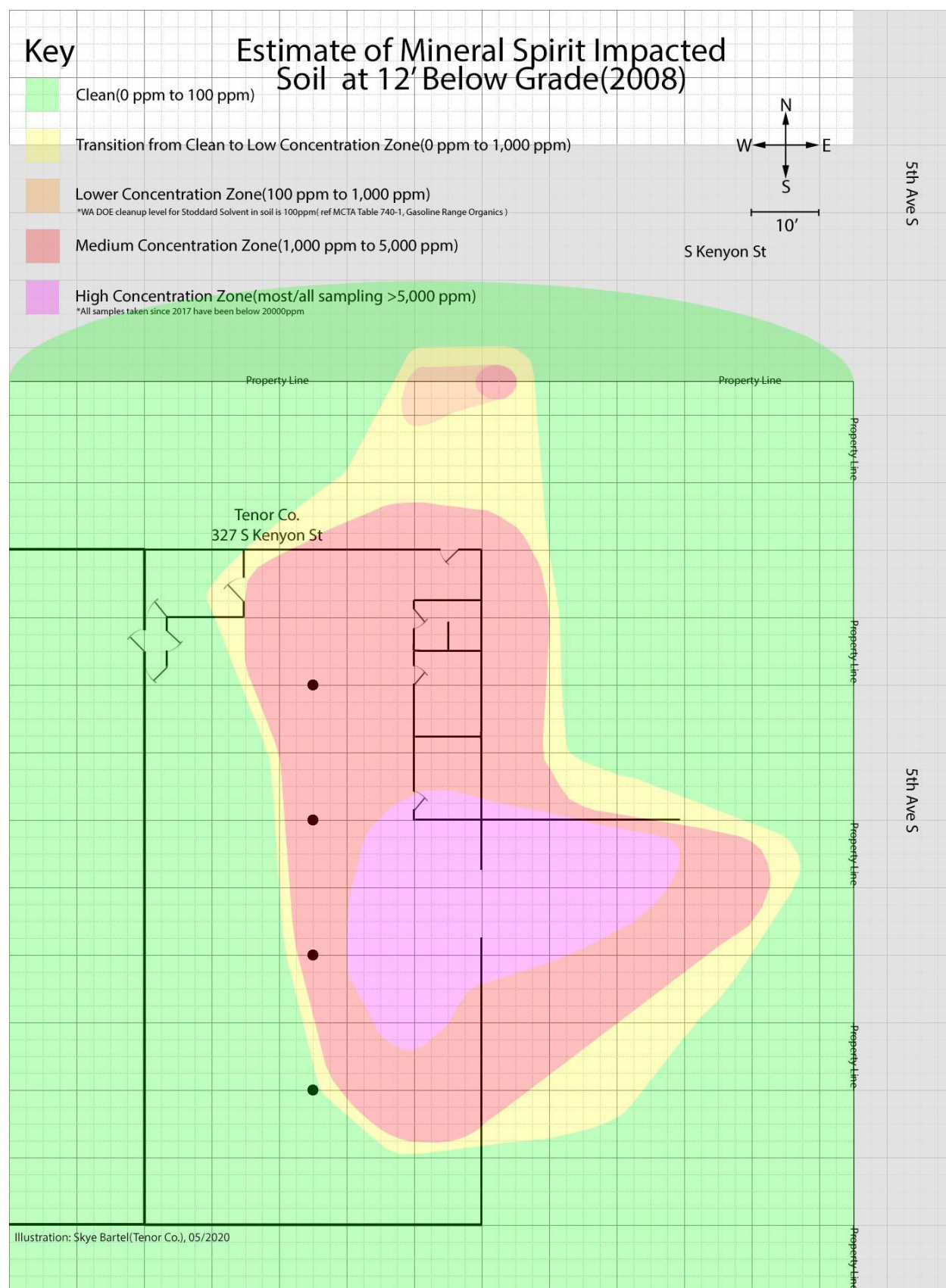


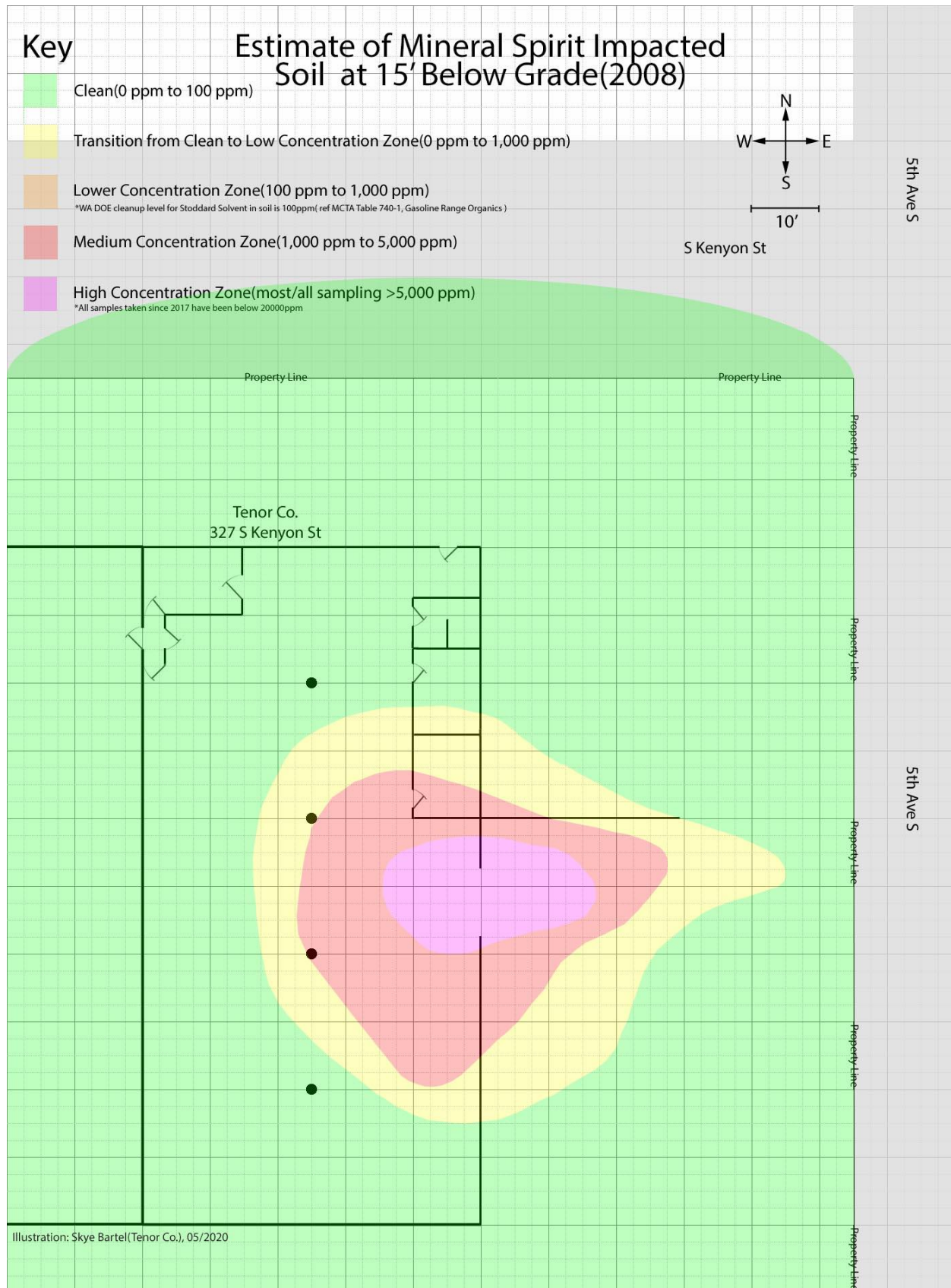
*All values presented are informal estimates provided by Tenor Co.





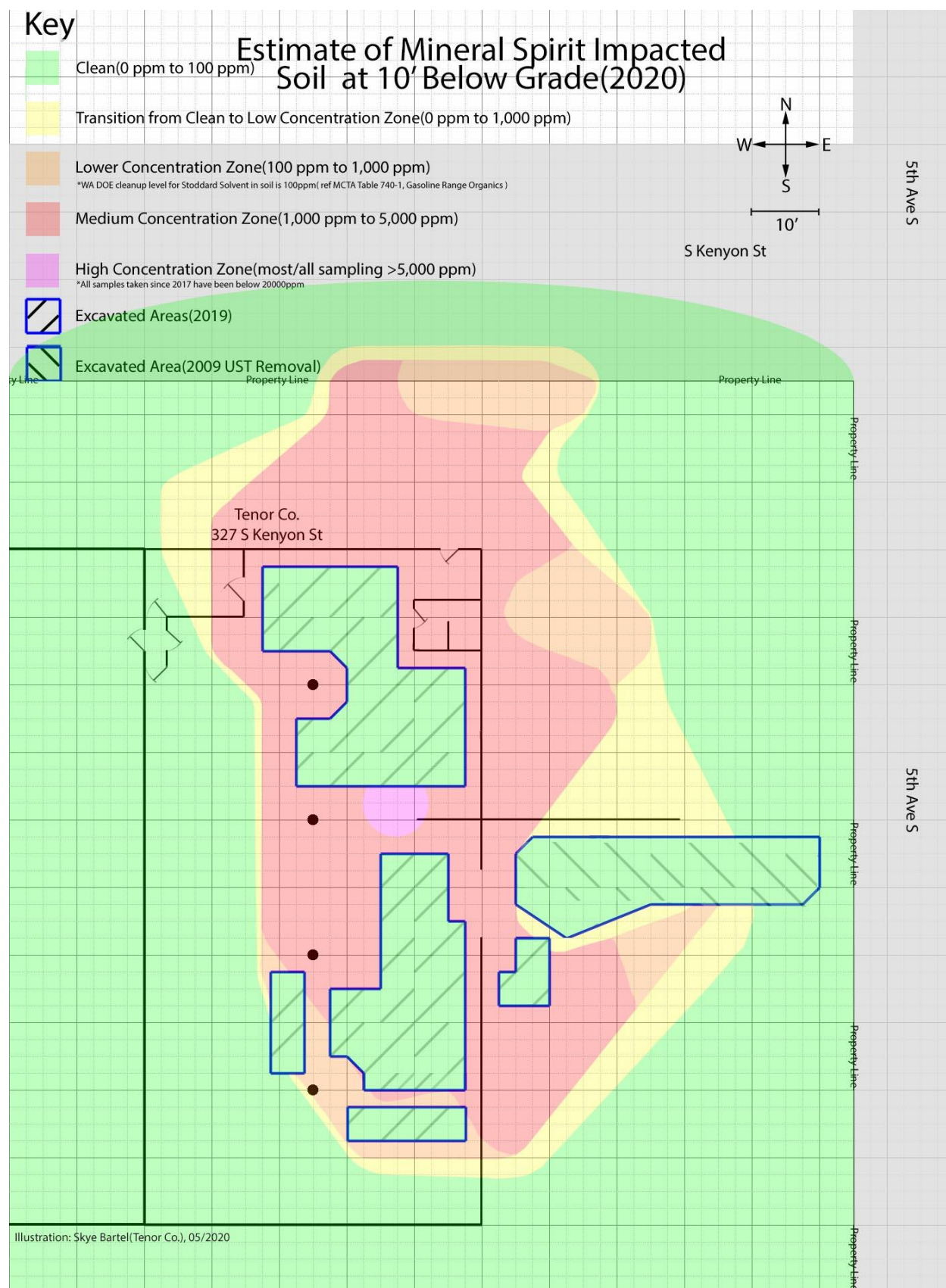


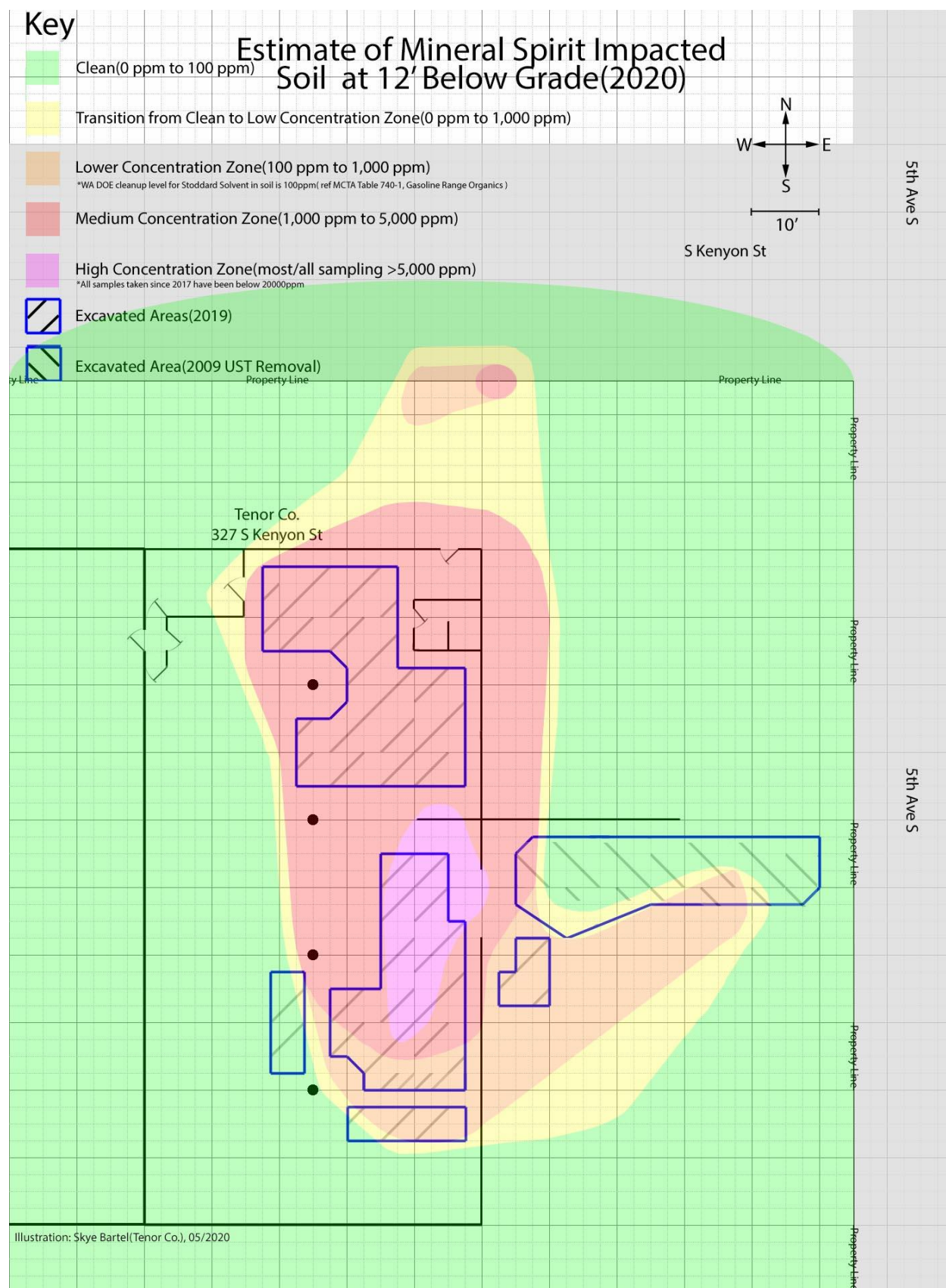


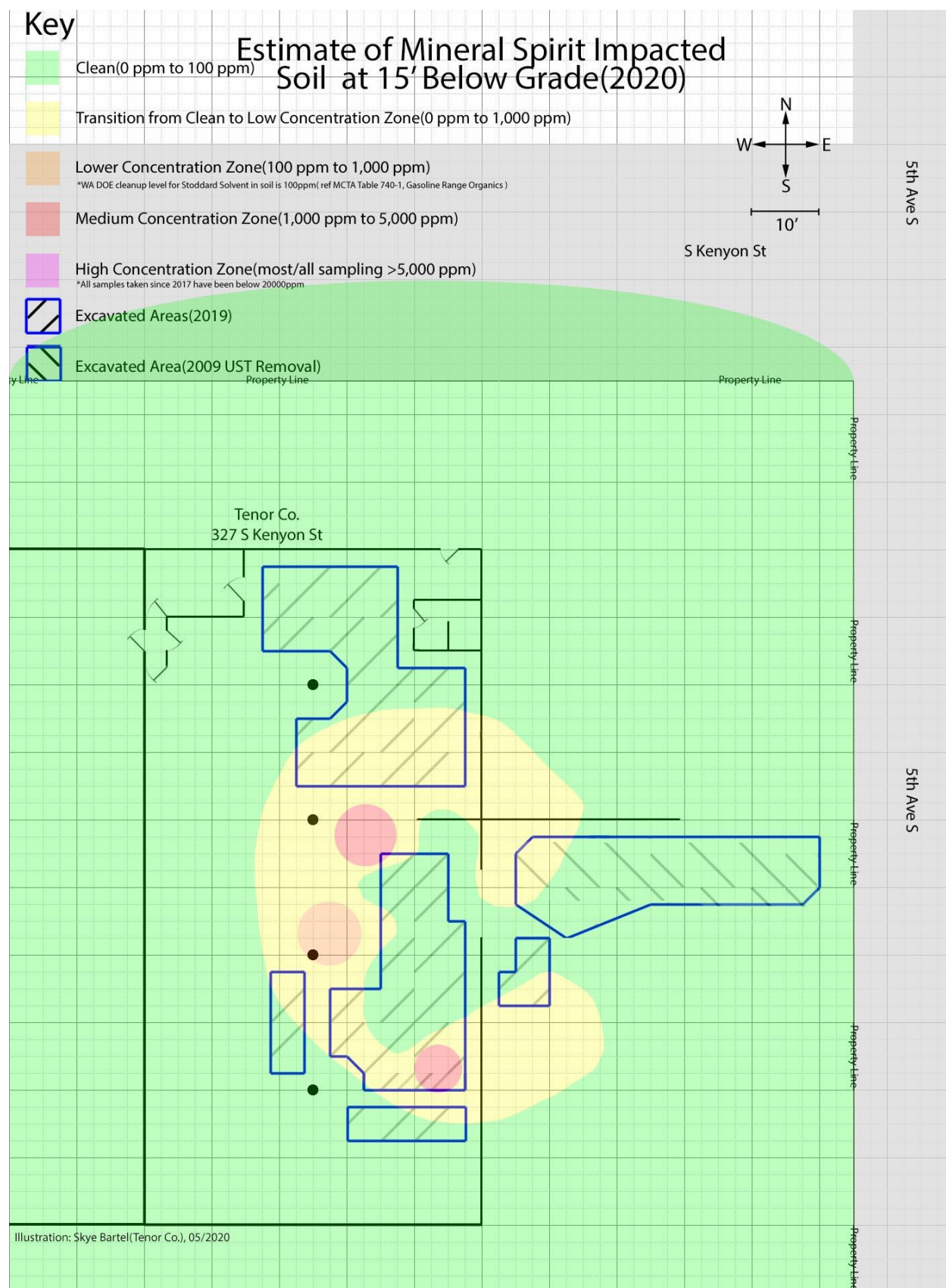












Comparative Isometric Diagram
of Mineral Spirit Soil Contamination,
327 S Kenyon St.(2008-2020)

0'-5' Below Grade

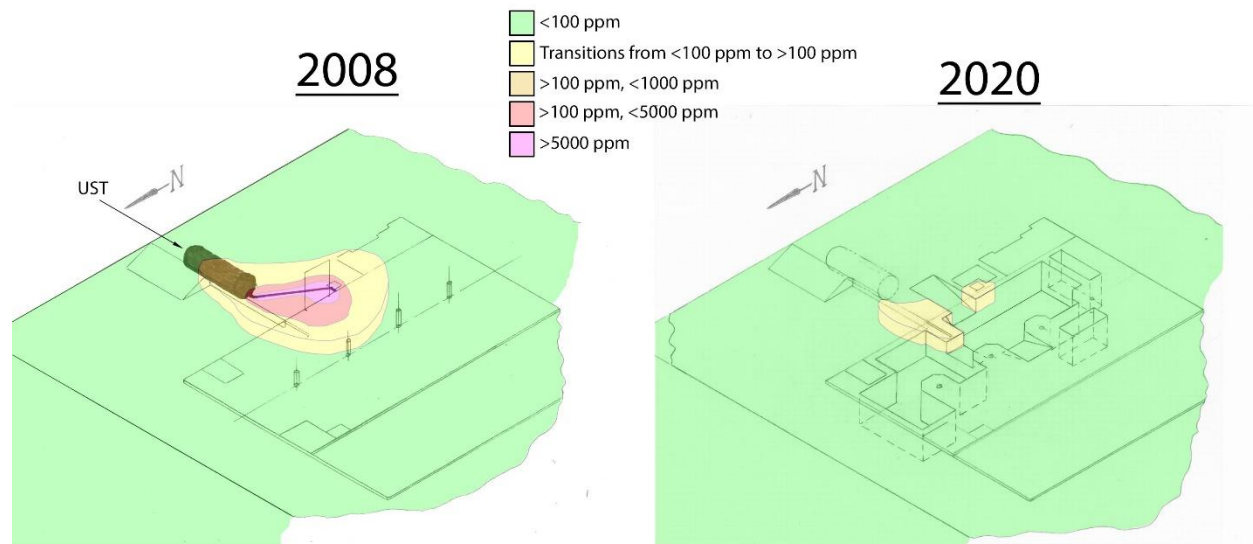


Illustration: Duane Bartel(Tenor Co.), 04/2020
Edited: Skye Bartel(Tenor Co.), 04/2020

Comparative Isometric Diagram
of Mineral Spirit Soil Contamination,
327 S Kenyon St.(2008-2020)

5'-8' Below Grade

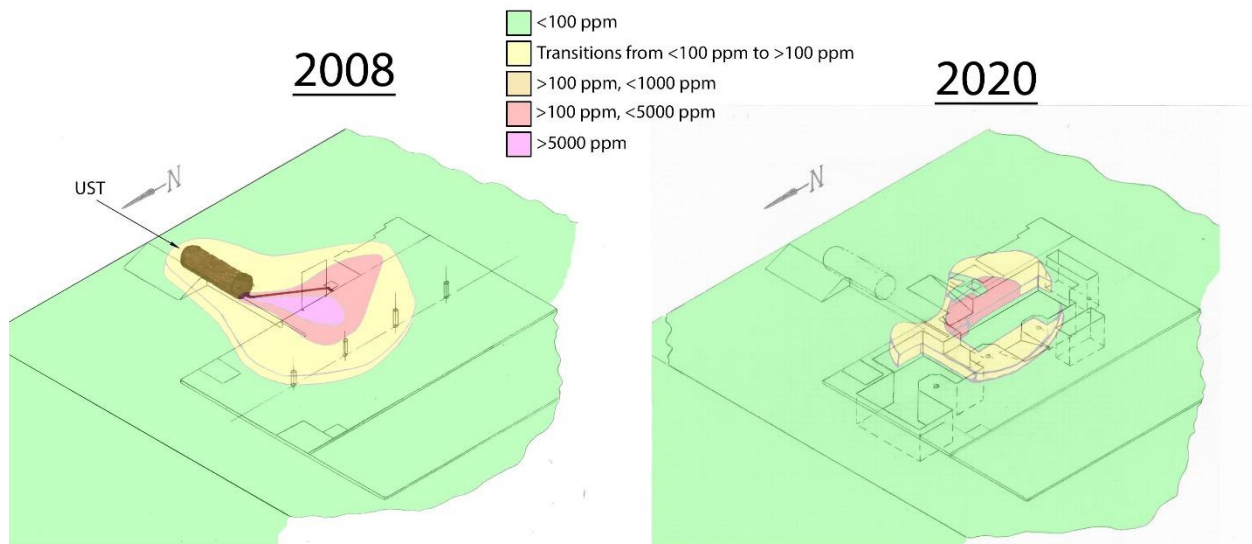


Illustration: Duane Bartel(Tenor Co.), 04/2020
Edited: Skye Bartel(Tenor Co.), 04/2020

Comparative Isometric Diagram
of Mineral Spirit Soil Contamination,
327 S Kenyon St.(2008-2020)

8'-10' Below Grade

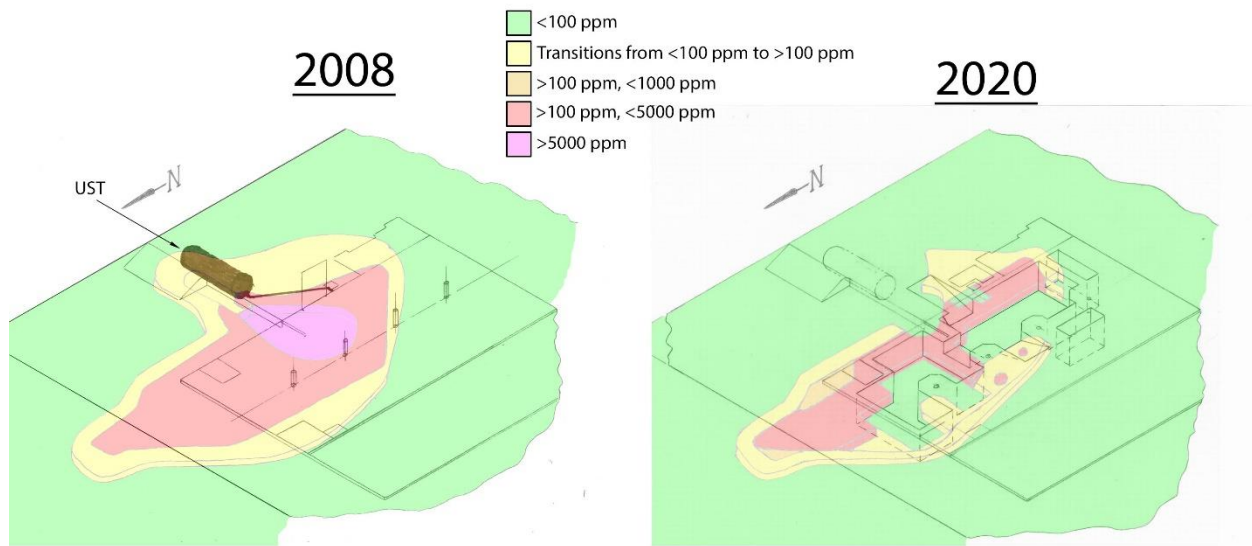


Illustration: Duane Bartel(Tenor Co.), 04/2020
Edited: Skye Bartel(Tenor Co.), 04/2020

Comparative Isometric Diagram
of Mineral Spirit Soil Contamination,
327 S Kenyon St.(2008-2020)

10'-11' Below Grade

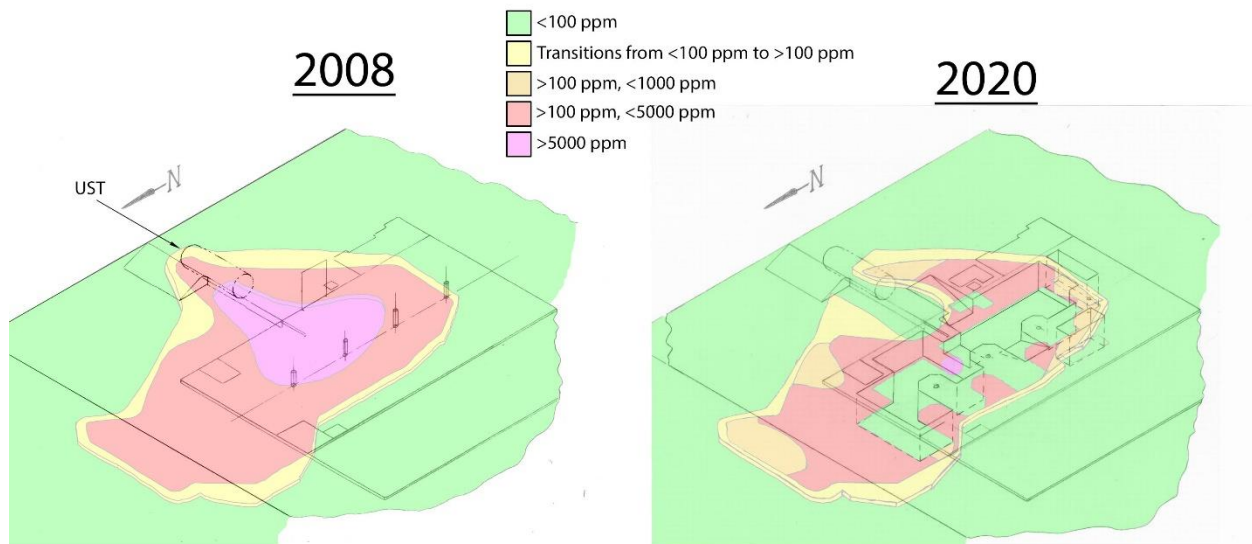


Illustration: Duane Bartel(Tenor Co.), 04/2020
Edited: Skye Bartel(Tenor Co.), 04/2020

Comparative Isometric Diagram
of Mineral Spirit Soil Contamination,
327 S Kenyon St.(2008-2020)

11'-12' Below Grade

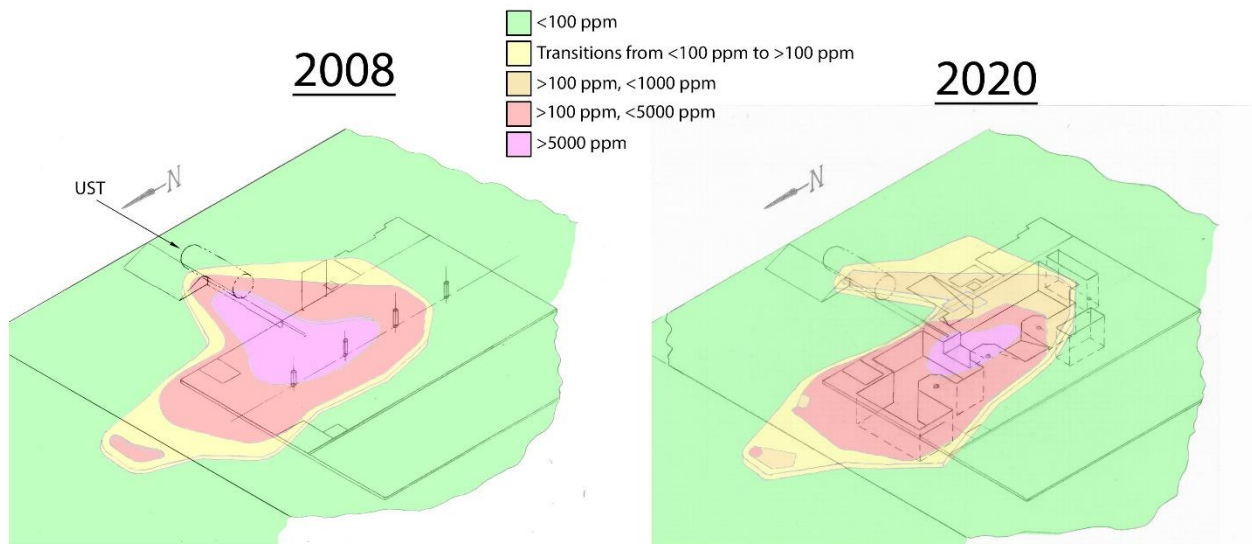


Illustration: Duane Bartel(Tenor Co.), 04/2020
Edited: Skye Bartel(Tenor Co.), 04/2020

Comparative Isometric Diagram
of Mineral Spirit Soil Contamination,
327 S Kenyon St.(2008-2020)

12'-15' Below Grade

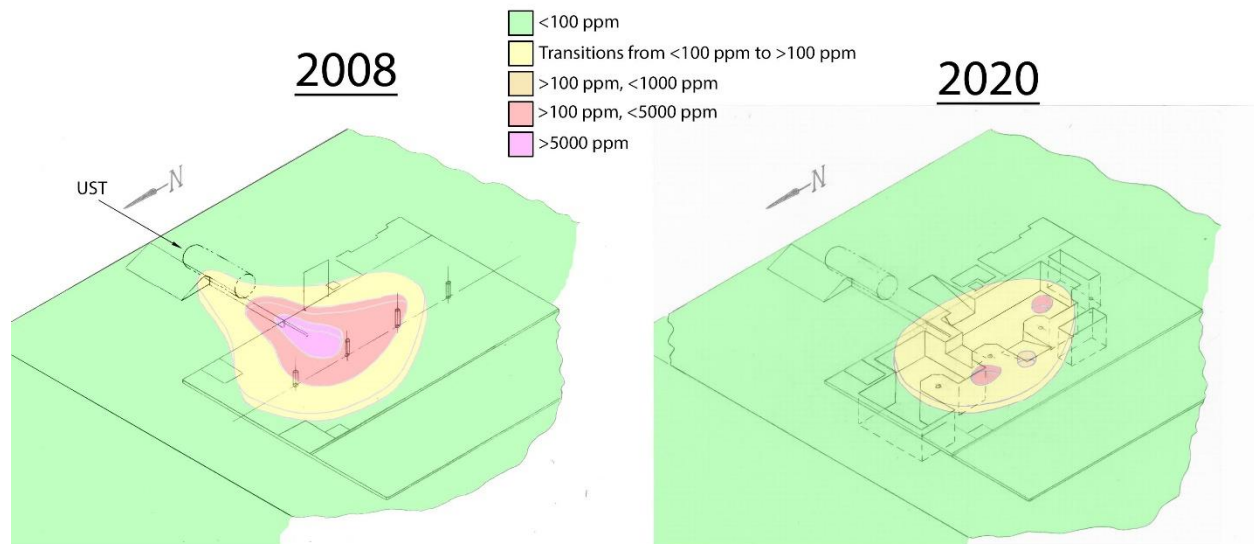


Illustration: Duane Bartel(Tenor Co.), 04/2020
Edited: Skye Bartel(Tenor Co.), 04/2020

Comparative Isometric Diagram
of Mineral Spirit Soil Contamination,
327 S Kenyon St.(2008-2020)

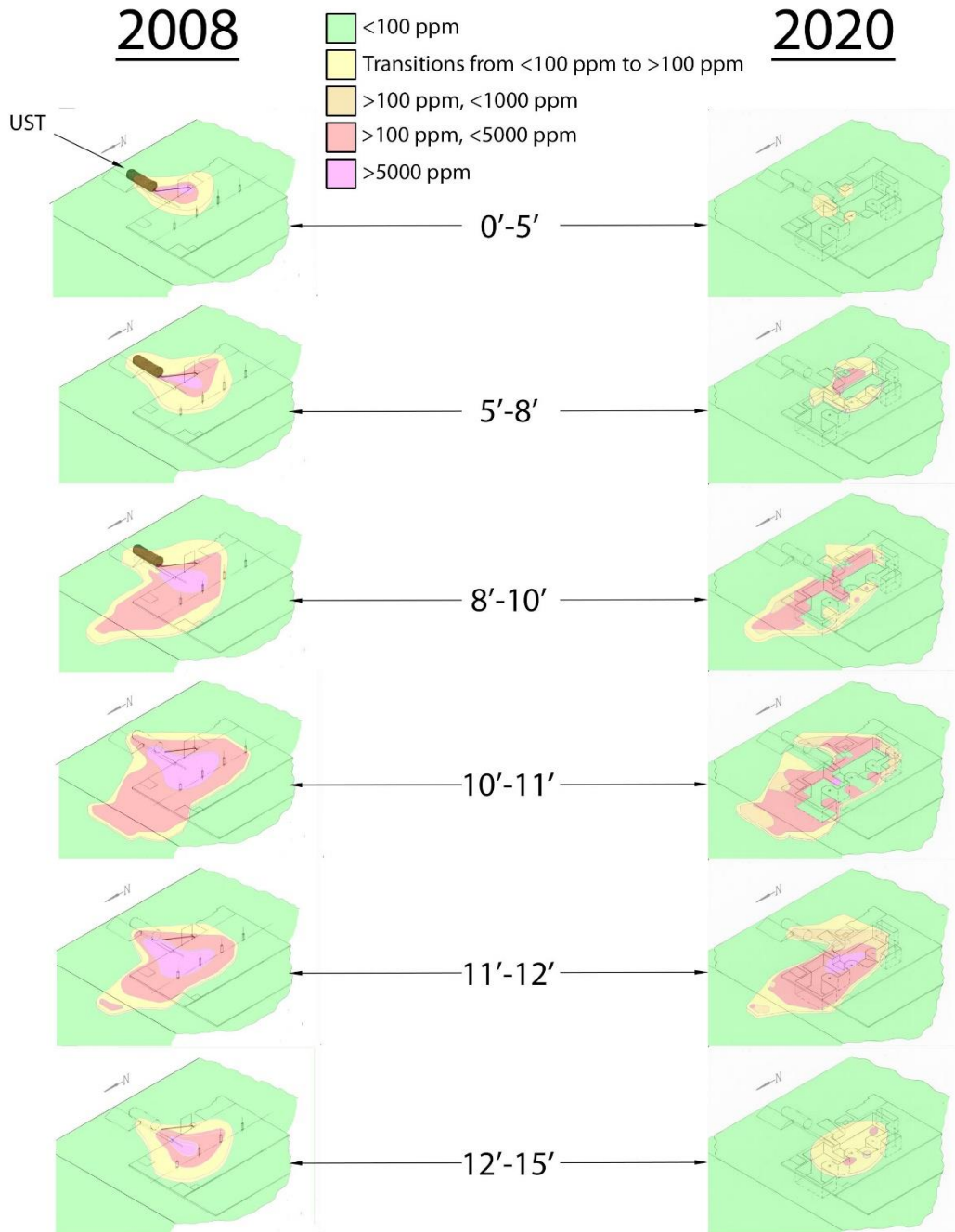


Illustration: Duane Bartel(Tenor Co.), 04/2020
Edited: Skye Bartel(Tenor Co.), 04/2020

2019 Exploration, Excavation & Remediation (East-West Profiles)

Concentrations of Mineral Spirits in Soil.
Profiles derived from PID and laboratory testing.

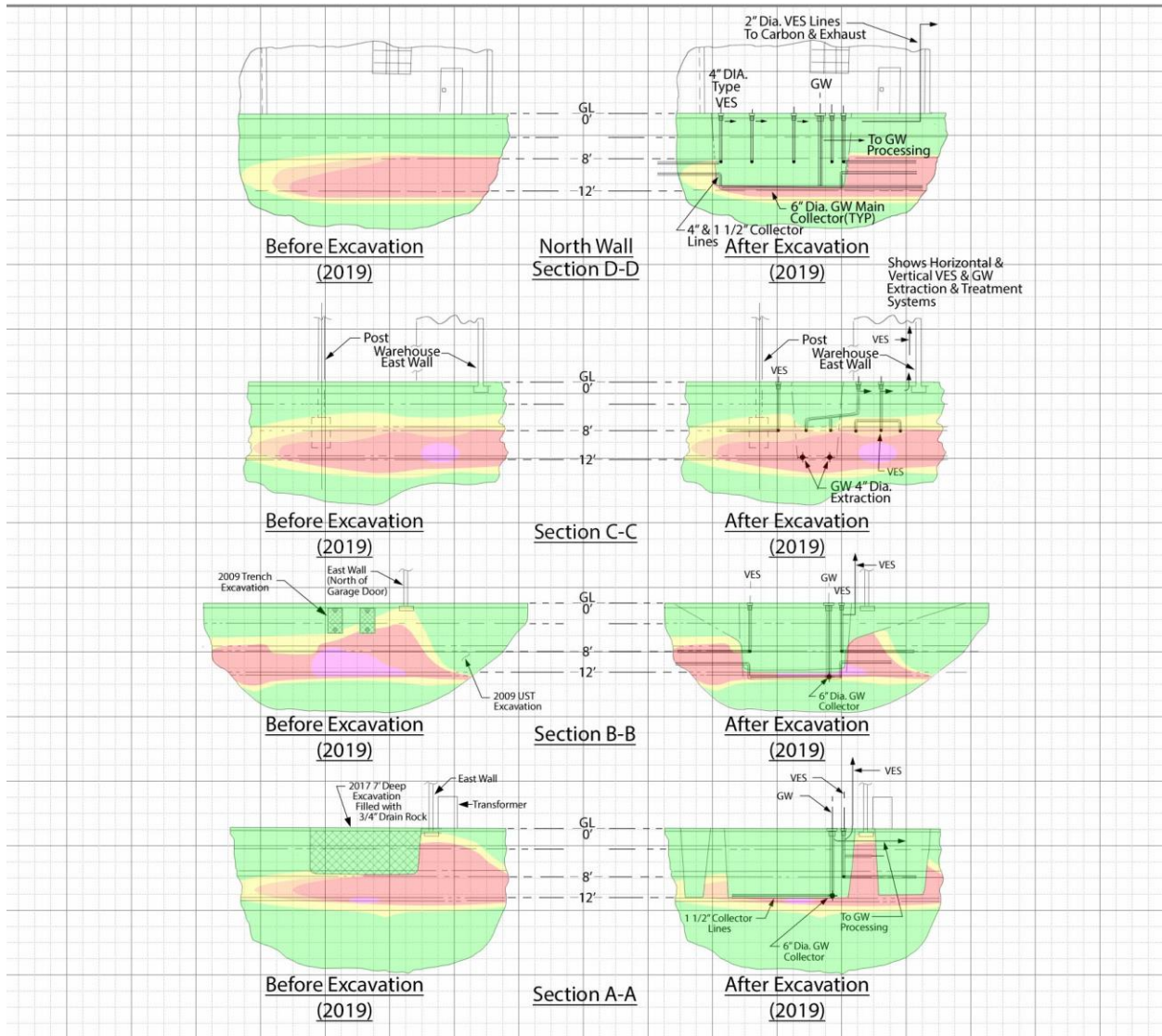
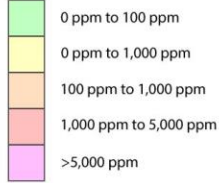


Illustration: Duane Bartel(Tenor Co.), 02/2020
Edited: Skye Bartel(Tenor Co.), 04/2020

2019 Exploration, Excavation & Remediation (North-South Profile)

Concentrations of Mineral Spirits in Soil.
Profiles derived from PID and laboratory testing.

0 ppm to 100 ppm
0 ppm to 1,000 ppm
100 ppm to 1,000 ppm
1,000 ppm to 5,000 ppm
>5,000 ppm

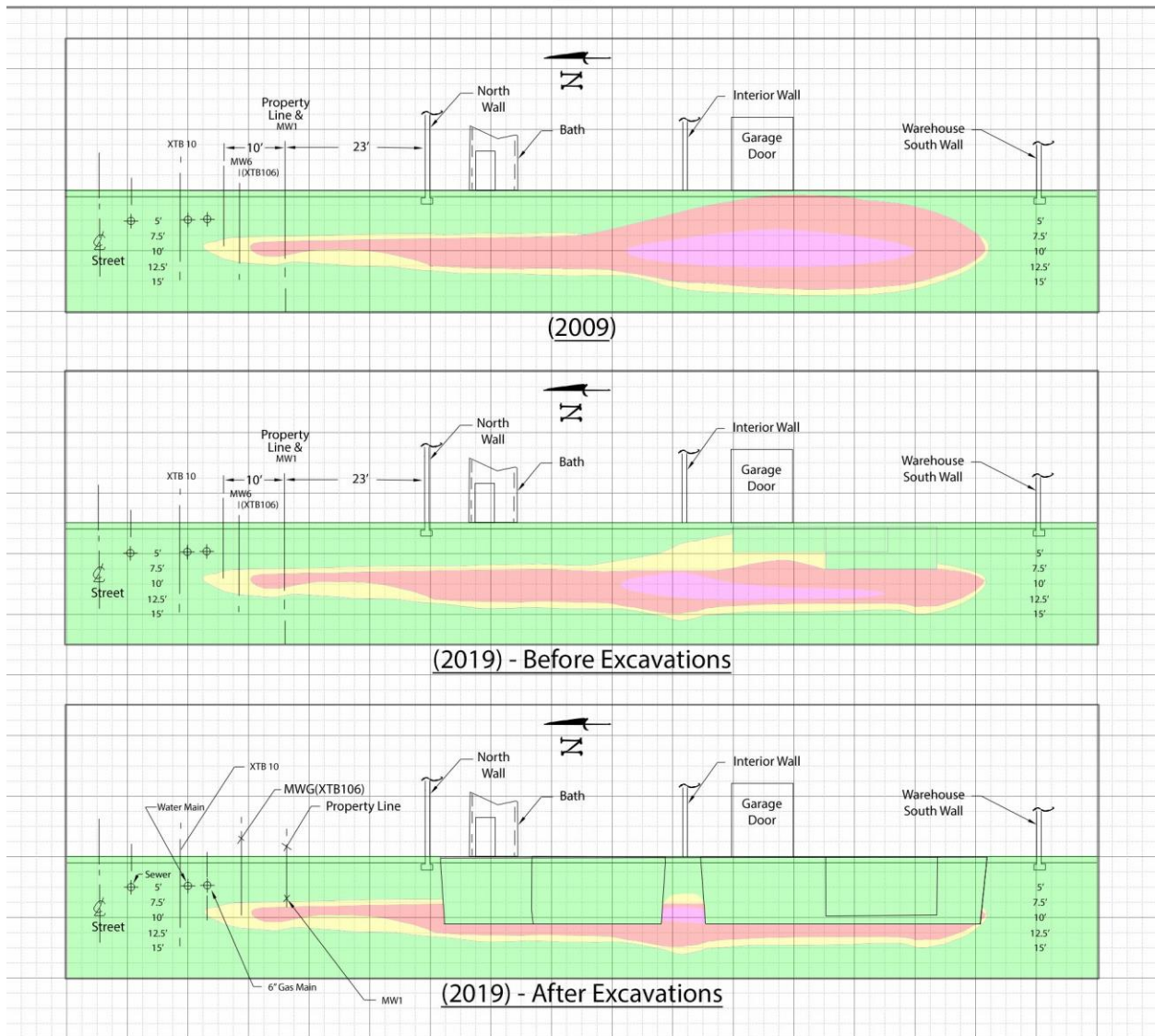
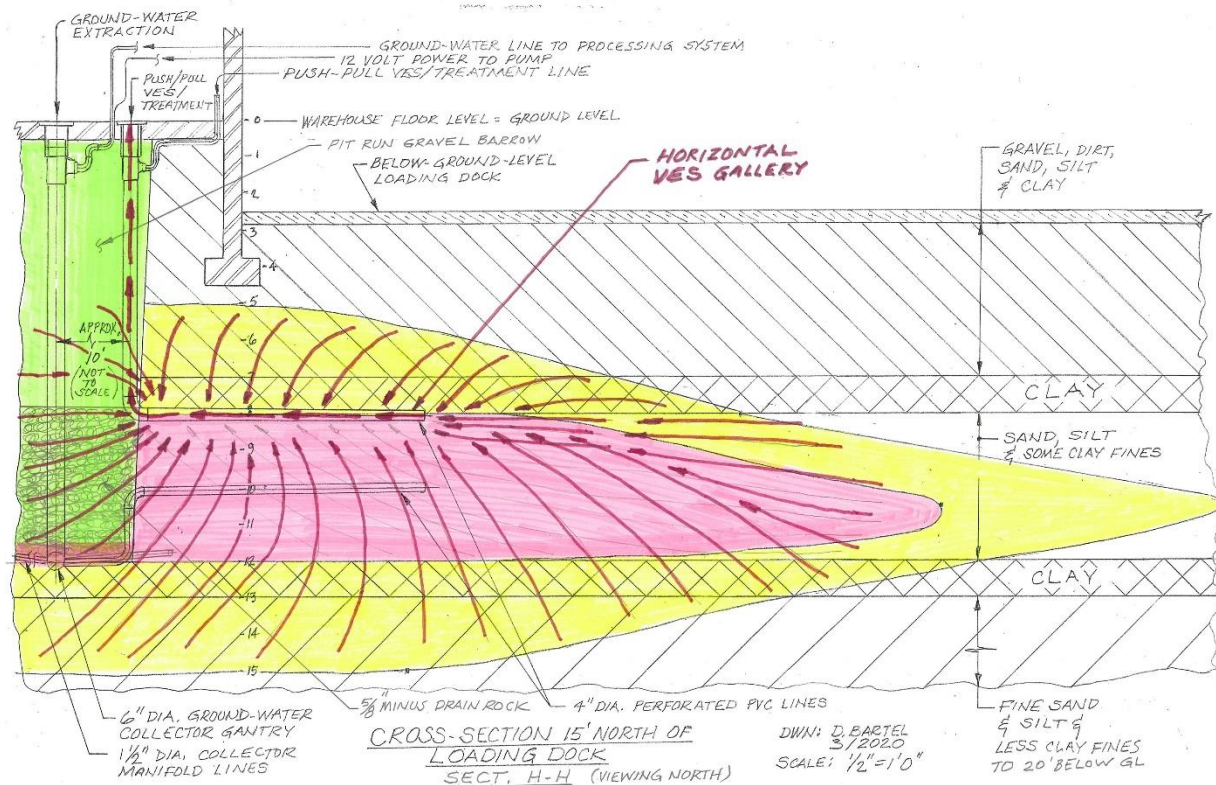
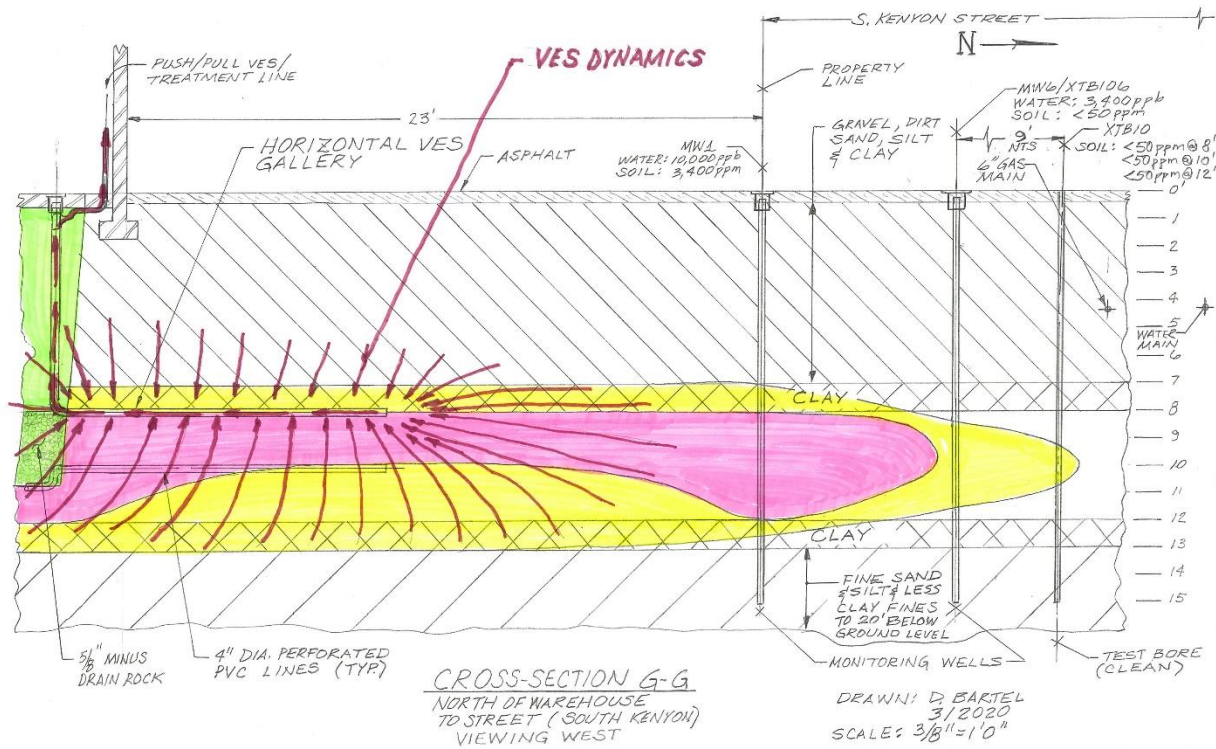


Illustration: Duane Bartel(Tenor Co.), 02/2020
Edited: Skye Bartel(Tenor Co.), 04/2020

Diagram F-F



Soil Profile of Warehouse at
327 S. Kenyon St.
Seattle, WA 98108

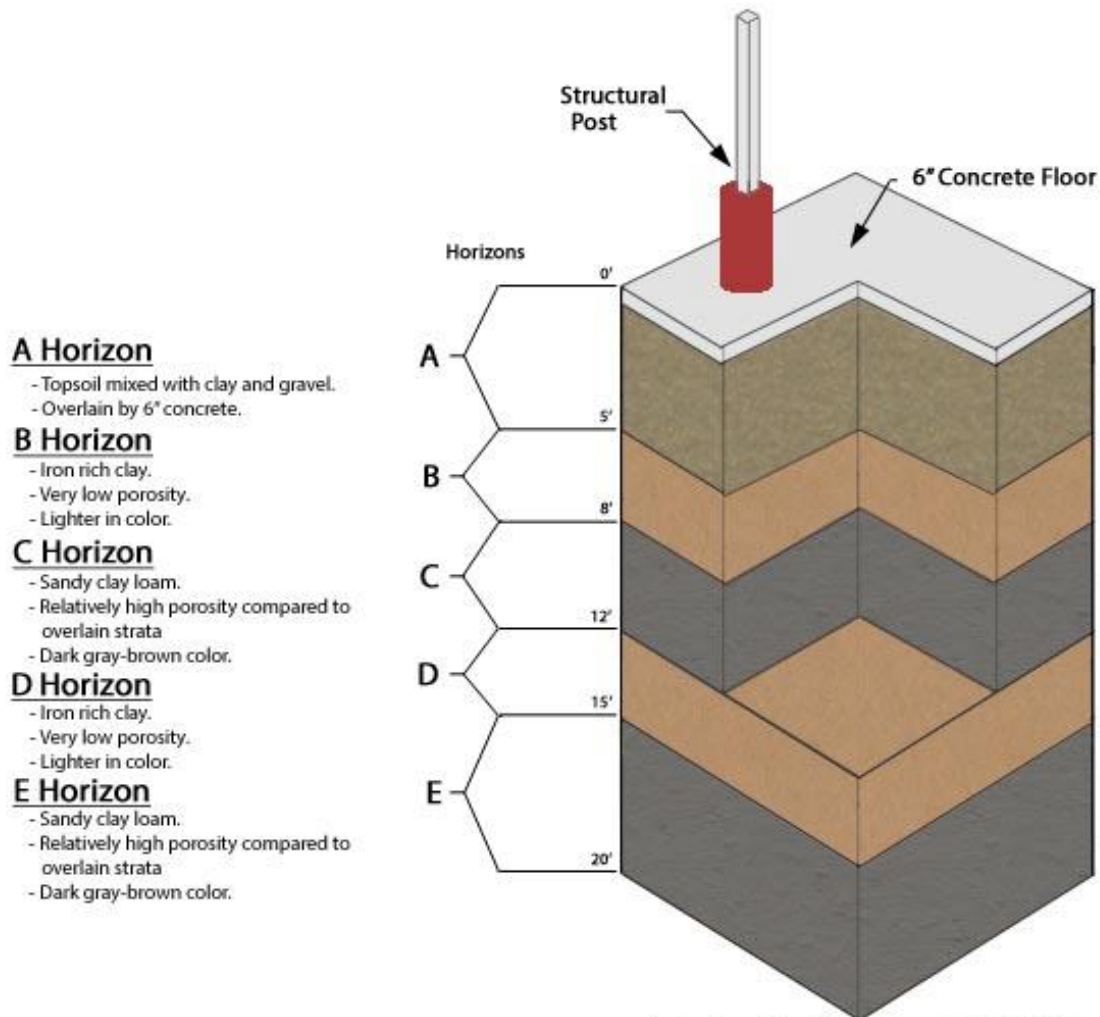
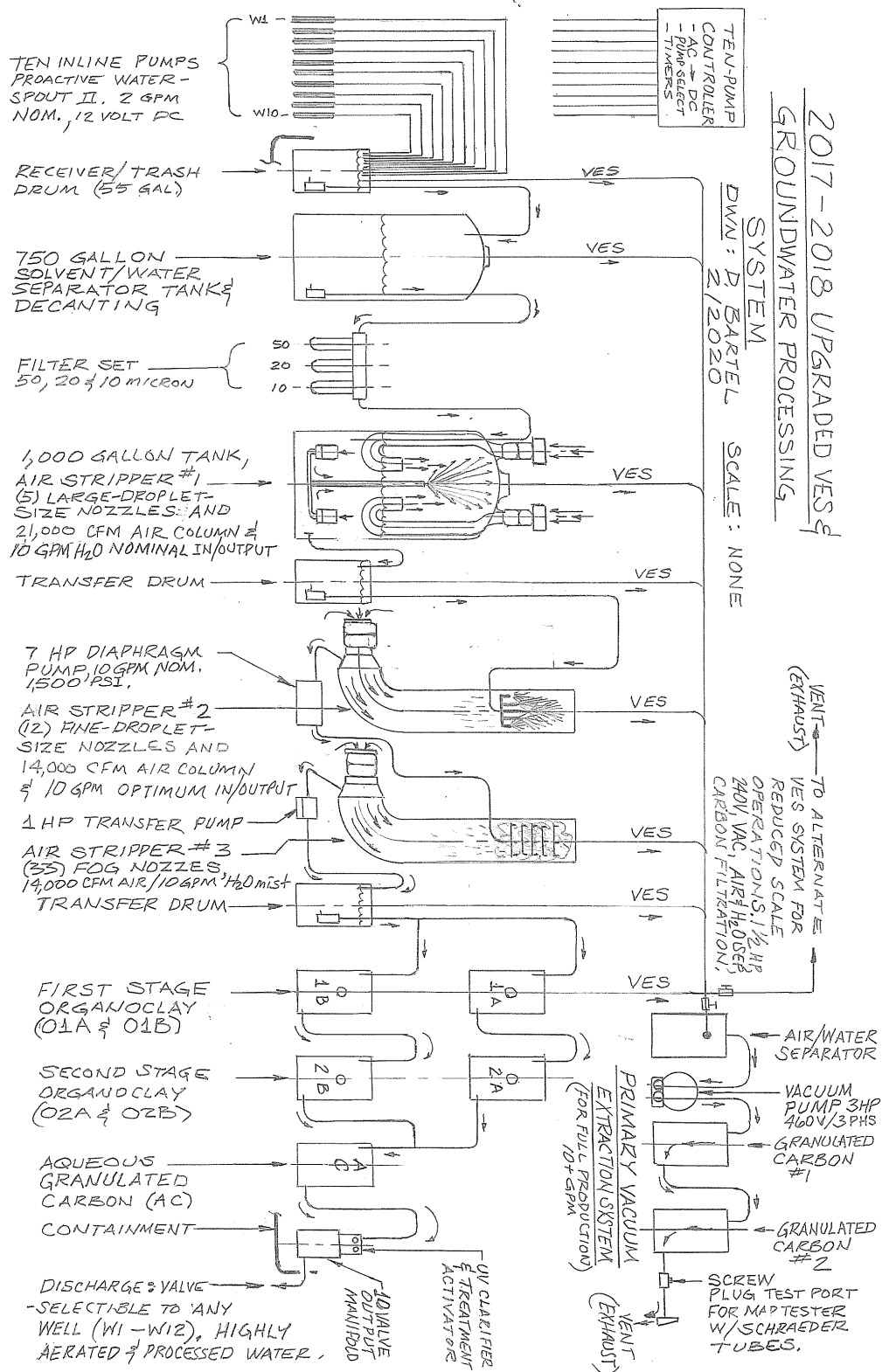


Illustration: Skye Bartel(Tenor Co.), 05/2020



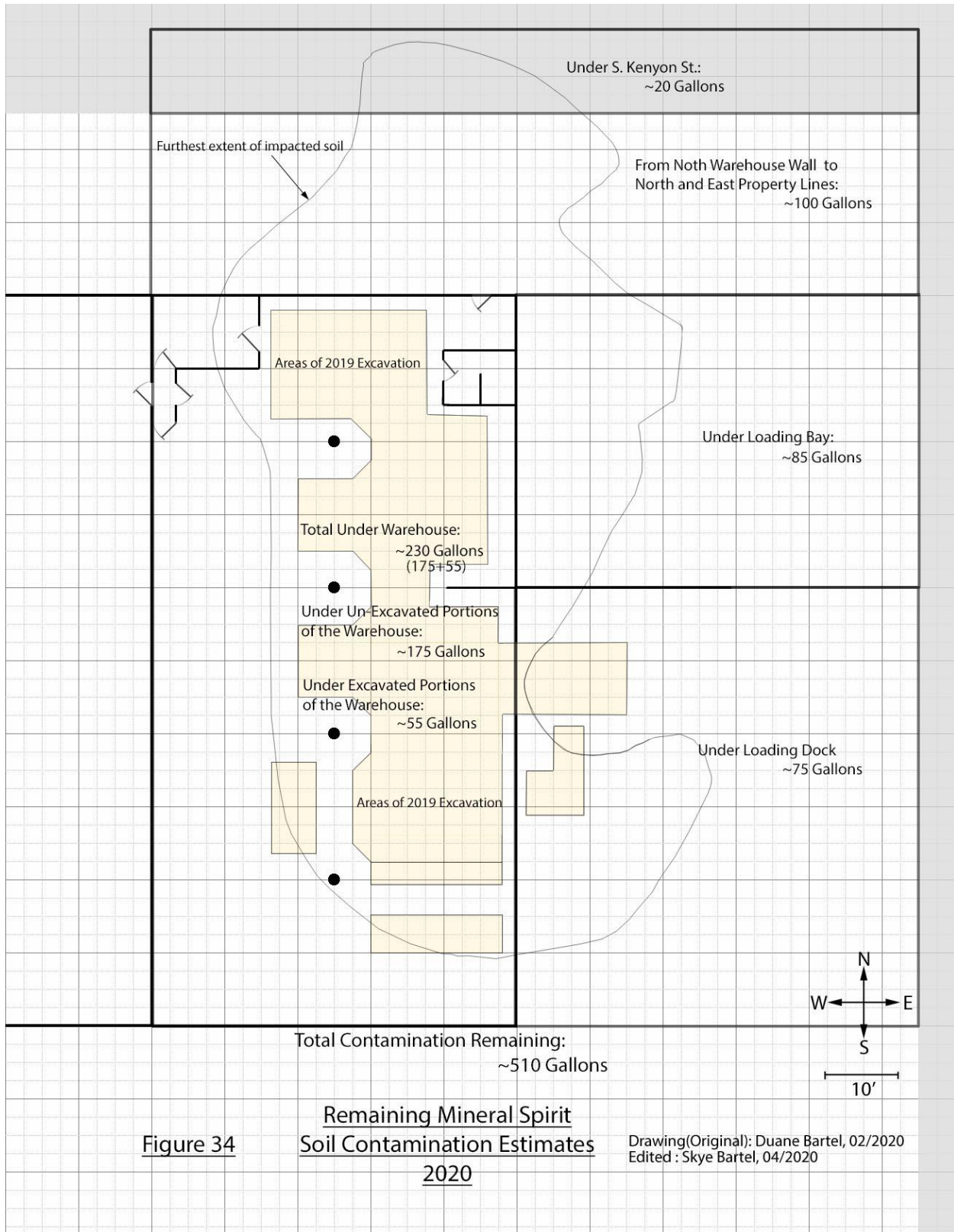


Figure 35

Site Water Table Survey Map

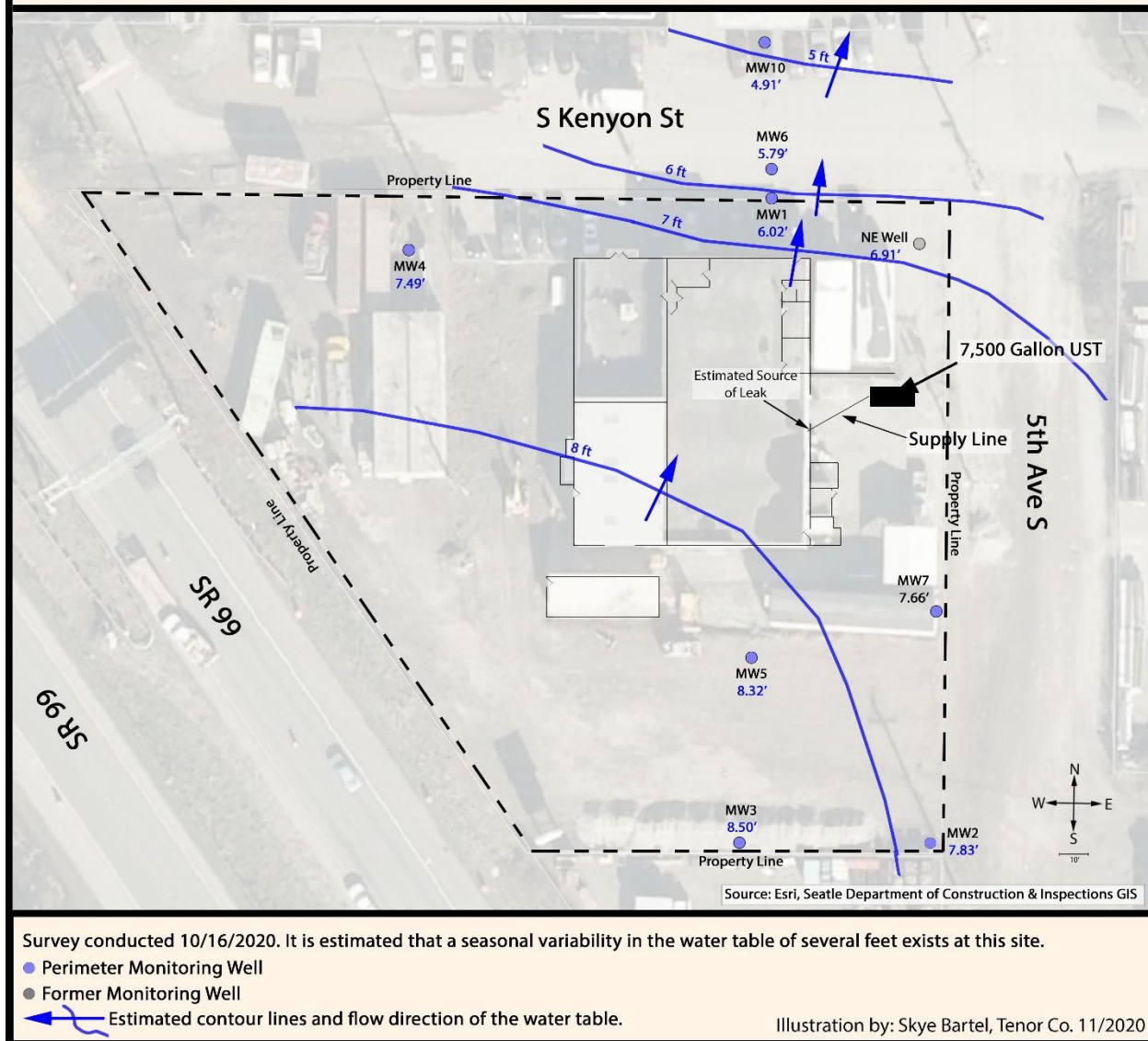


Table 1 - Mineral Spirits - (W1-W16) Water Sampling Results

Testing conducted by Friedman & Bruya Inc.

All results and limits in parts per billion (ppb)

Sample Date	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	W16
10/1/2009					260000				900000					2200		
11/1/2009					9700000				2100000					6100		
11/30/2009		3500	120			24000	24000	3500		3300	3600	nd				
1/15/2010					6100	13000	16000	6400	4500							
4/1/2010	27000			15000												
8/13/2010	11000	11000	11000	4800	4800	3500	2400	790	14000	1900	1900		220		150	730
1/13/2011	6400	35000	29000	13000	34000	22000	37000		3700	12000				16000		
2/7/2011		46000			170000											
9/23/2011		22000			16000									2600		
10/17/2011	140000	28000		130000		80000	14000	3100	4500	24000	2300	2100				
12/11/2012	7100	5900		120000		18000								330		
1/21/2013	19000	36000	53000	100000	110000	140000										
2/11/2013	47000	37000	33000	50000	68000	29000										
9/30/2013	15000	180000	390000	210000	87000	57000										
6/30/2014		620000	87000		9600											
7/22/2014		25000	92000	9100												
4/12/2017	3100	11000	29000	28000	3700	13000		28000	35000	9700	5100	25000	2800			

Table 2 - Mineral Spirits - (PW1-PW12) Water Sampling Results

Testing conducted by Friedman & Bruya Inc.

All results and limits in parts per billion (ppb)

Sample Date	PW1	PW2	PW3	PW4	PW5	PW6	PW7	PW8	PW9	PW10	PW11	PW12
4/26/2018	9500	7000		220000	61000	4200	20000	5100				
5/24/2018	2000	1900	3400	2100	650	470	570	470				
6/14/2018		1500			300	<250	<250	2900				
10/17/2018	5300	10000	6700	12000	11000	2000	470	3900	1700	4700		
11/6/2018	6200			7500					6700			
11/19/2018	11000			12000						5200		
1/4/2019	6000	19000	10000	8800	1800	1600	2100	13000	3900	2300		
1/31/2019	1600	5300	3800	2300	260	550	1700	12000	1100	3100		
2/25/2019								12000				
3/29/2019	660	12000	1300	6600	1100	360	2200	1900	690	910	880	2400
4/29/2019	260	1400	410	380	430	310	560	800	82	560	670	480
10/29/2019								150000			790000	
12/30/2019								4300				

Table 3 - Mineral Spirits - (NW1-NW4) Soil Sample Results

Testing conducted by Friedman & Bruya, Inc.

All results and limits in parts per million (ppm)

Well	10ft.	15ft.	20ft.
NW1	<50	<50	<50
NW2	2800	<50	<50
NW3	<50	<50	<50
NW4	<50	<50	96

Table 4 - Mineral Spirits - (selected HAW borings) Soil Sampling Results
Testing conducted by Friedman & Bruya Inc.
All results and limits in parts per million (ppm)

HAW Bore	8ft.	9ft	9.5ft.	10ft.	12ft.	14ft.
HAW1	580	920		4500		
HAW4	640					
HAW8	<50					
HAW11				140	130	74
HAW31			<50			
HAW32	<50					
HAW33				<50		
HAW35	620					

Table 5 - Mineral Spirits - (TB1-TB17) Soil Sampling Results
Testing conducted by Friedman & Bruya Inc.
All results and limits in parts per million (ppm)

Test Bore	7ft.	8ft.	9ft.	10ft.	11ft.	12ft.	14ft.
TB1				<50		8800	<50
TB2				71			1200
TB3				760			150
TB4				400			<50
TB5						3600	<50
TB6			3300	1200		110	<50
TB7				400	1200		<50
TB8				4500			<50
TB9		7600		7400		9300	
TB10				6600		1700	<50
TB11				5200			<50
TB12	<50			1700		9400	<50
TB13				280		17000	<50
TB14						4800	120
TB15				1500		6000	
TB16				<50		<50	<50
TB17				3900		170	<50

Table 6 - Mineral Spirits - (XTB1-XTB24 & MW1-MW6) Soil Sampling Results

Testing conducted by Friedman & Bruya Inc.

All results and limits in parts per million (ppm)

XTB Bore	3ft.	5ft.	8ft.	9ft.	10ft.	11ft.	12ft.	13ft.	15ft.
XTB1					<50				
XTB2					<50			<50	
XTB3					<50				
XTB4					<50		110	140	
XTB5					<50				
XTB6					<50				
XTB7					<50				
XTB8			<50		<50				
XTB9					180				
XTB10					<50				
XTB11					<50				
XTB12					4900				
XTB13					<50				
XTB14			2500		<50				
XTB15					<50				
XTB16					<50				
XTB17					620				
XTB18			<50		<50				
XTB19					<50				
XTB20					<50				
XTB21			<50		<50		<50		
XTB22					<50		<50		
XTB23			680		90		2700		
XTB24			<50		<50		<50		
XTB101	<50		<50					<50	
XTB103					150		<50		<50
XTB104			2000		140		2900		84
XTB105		<50	170		830		110		<50
MW1			<50	<50	3900	110	<50	<50	<50
MW2		<50			<50				<50
MW3		<50			<50				<50
MW4		<50			<50				<50
MW5		91			<50				<50
MW6		<50	<50		<50		<50		<50

Table 7a - Mineral Spirits - PID Soil Sampling Results

Testing conducted by Tenor Co. using a Honeywell MiniRAE+ Photoionization Detector(PID)

All results and limits in parts per million(ppm)

Well/Bore	4ft.	5ft.	6ft.	7ft.	7.5ft.	8ft.	8.5ft.	9ft.	9.5ft.	10ft.	10.5ft.	11ft.	11.5ft.	12ft.	12.5ft.	13ft.	14ft.	15ft.	17ft.	20ft.
HAW 1					500		1700		2000		2775									
HAW 4				0.5	275		4150				2350									
HAW 8					50	850	1200													
HAW 11											1350			720			1440			
HAW 16					200			600												
HAW 17		13																		
HAW 20		7.5																		
HAW 22		4																		
HAW 23		180																		
HAW 26							12000				2750			1000			320			
HAW 30							6				4									
HAW 31				4		4.5				5.5			2.5	3.5						
HAW 32				89		150			140											
HAW 33						32		9	20	3.5		3.5		6						
HAW 35						2700		2300		2100		2550		1950	2265					
HAW 36						360						1900								
HAW 37						145			1800	1500										
HAW 38						320						2900								
HAW 39			3.6			2550		1800												
HAW 40						10														
HAW 41						100					2100									
HAW 42						12														
Sample 43						54				225				2080						
Sample 44			15	103		101				253				2000			110			
Sample 45						2460				2600				1970						
Sample 46						93				1370				2540						
Sample 47								2390				2350								
Sample 48								2740				2550								
Sample 49								2230												
Sample 50						2400														
Sample 51						190				3800										
Sample 52							380													
Sample 53										2300										
Sample 54										2525										
Sample 55										2360										
Sample 56						0		0		0.2				0		0				
Sample 57						12.5		3		460				30		8				
Sample 58						0				0										
Sample 59						1.5				1.3				1.6		1.2				
Sample 60								1.7		16				1.8			5.4			
Sample 61										52.5				6.8		1.4				
Sample 62						34				65				39						
Sample 63						60				400				420						
Sample 64						34				79				380						
Sample 65						53				270				107						
Sample 66						85				720				120						
Sample 67			16																	
Sample 68			27																	
Sample 69			21.5																	
Sample 70			15																	
Sample 71			67																	
Sample 72			40																	
Sample 73								27	60	66	109	3000		142	237					
Sample 74						3400														
Sample 75						1900														
Sample 76						3700														
Sample 77						2500														
Sample 78						3000														
Sample 79						3300														
Sample 80						4000														
Sample 81						3700														
Sample 82						22														
Sample 83						40														
Sample 84						30														
Sample 85						27														
Sample 86						3700														
Sample 87						2700														
Sample 88						3900														
Sample 89						2400														
Sample 90						25														
Sample 91						80														

Table 7b - Mineral Spirits - PID Soil Sampling Results
Testing conducted by Tenor Co. using a Honeywell MiniRAE+ Photoionization Detector(PID)
All results and limits in parts per million(ppm)

Well/Bore	4ft.	5ft.	6ft.	7ft.	7.5ft.	8ft.	8.5ft.	9ft.	9.5ft.	10ft.	10.5ft.	11ft.	11.5ft.	12ft.	12.5ft.	13ft.	14ft.	15ft.	17ft.	20ft.
Sample 91					80															
Sample 92					160															
Sample 93					1660															
Sample 94					1150						3600									
Sample 95					1400															
Sample 96					1700															
Sample 97					850							3000								
Sample 98												2700								
Sample 99												3200								
Sample 100												2750								
Sample 101					160							2450								
Sample 102												3400								
Sample 103												3800								
Sample 104												2900								
Sample 105												1800								
Sample 106												1600								
Sample 107												2000								
Sample 108												3700								
Sample 109												3800								
Sample 110												2400								
Sample 111												2000								
Sample 112												1700								
Sample 113												2300								
Sample 114												2400								
Sample 115												3250								
Sample 116												2400								
Sample 117												600								
Sample 118												2150								
Sample 119												3000								
Sample 120											3900									
Sample 121										2400		1200								
Sample 122												1500								
Sample 123												410								
Sample 124					1920							1340								
Sample 125												1200								
Sample 126					1800															
Sample 127					2850															
Sample 128					1650															
Sample 129					2400															
Sample 130		1700																		
Sample 131		1700																		
Sample 132		1900																		
Sample 133			9	1030		300				1860		2440	750							
Sample 134						700				2800		750	450							
Sample 135						105														
Sample 136						16				1350		2400	1050							
Sample 137						18				75		720	300							
Sample 138										2400		1200								
Sample 139												1650								
Sample 140												1400								
Sample 141						25				3100			820	800						
Sample 142						65				2000			1500							
Sample 143						1300				2050			1400							
Sample 144						350				1900			900							
Sample 145						50				2000										
Sample 146												1750								
Sample 147						91				65										
Sample 148												600								
Sample 149						66				50		350								
Sample 150						72				1800										
Sample 151						38				1300		300								
Sample 152		1300	1500																	
Sample 153		23	1400																	
Sample 154						1780				1900										
Sample 155						1900														
Sample 156										1900										
Sample 157						99														
Sample 158						150														
Sample 159						145														
Sample 160						22														
Sample 161						30														

Table 7c - Mineral Spirits - PID Soil Sampling Results
 Testing conducted by Tenor Co. using a Honeywell MiniRAE+ Photoionization Detector(PID)
 All results and limits in parts per million(ppm)

Well/Bore	4ft.	5ft.	6ft.	7ft.	7.5ft.	8ft.	8.5ft.	9ft.	9.5ft.	10ft.	10.5ft.	11ft.	11.5ft.	12ft.	12.5ft.	13ft.	14ft.	15ft.	17ft.	20ft.
Sample 162						120														
Sample 163										1500										
Sample 164										1400										
Sample 165										2400										
Sample 166										1700										
Sample 167										2000										
Sample 168										1400										
Sample 169										2500										
Sample 170										3150										
Sample 171										2000										
Sample 172										2600										
Sample 173										2200										
Sample 174										2200										
Sample 175						350														
Sample 176										2100										
Sample 177										3100										
Sample 178										3500										
Sample 179										1700										
Sample 180										3400										
XTB 1		0.3								65									1.7	
XTB 2		5.4								33				106		114			2	
XTB 3		5.4								0.6									0.6	
XTB 4		3.5								20				780		47			1.2	
XTB 5		1.1								0									0	
XTB 6		0				1.2				10				0					0	
XTB 7		0.1				5				7				5					0	
XTB 8		0				450				400				2					0	
XTB 9		1.5				3				1380				2					0	
XTB 10		0				0				0.4				7					0	
XTB 11		0				17.5				90				38					1	
XTB 12		2				28				1180				63					0.5	
XTB 13		7.5								6				0.5			0		0	
XTB 14				0.3						480				8.5			65		0	
XTB 15		1								0.1				0					0	
XTB 16		0								0				0					0	
XTB 17		0				3				820				190					2	
XTB 18		39				45				4				0					0.1	
XTB 19		2								0				0					0	
XTB 20		0								2									0	
MWS		4								0.8ppm									0.2	
XTB101		0.5								5.5									0.3	
XTB102		0.4								570									35	
XTB103		2.5				47.5				25				2.5					10	
XTB104		0.8				750				58				720					19	
XTB105		1.5				240				350				53					5.3	
XTB106(MW6)		2.5				7				1				2.5					1.5	

Table 8 - Water Table Survey (Survey Conducted by Tenor Co. with assistance from Environmental Associates)

WELL	DATE	TOC ELEVATION	WATER DEPTH BELOW TOC	WATER TABLE ELEVATION
MW1	10/16/2020	17.83'	11.81'	6.02'
MW2	10/16/2020	17.12'	9.29'	7.83'
MW3	10/16/2020	19.49'	10.99'	8.50'
MW4	10/16/2020	18.09'	10.60'	7.49'
MW5	10/16/2020	19.19'	10.87'	8.32'
MW6	10/16/2020	18.10'	12.31'	5.79'
MW7	10/16/2020	17.68'	10.02'	7.66'
MW10	10/16/2020	18.41'	13.50'	4.91'
NE WELL	10/16/2020	16.91'	10.00'	6.91'

Appendix B: Site Photography



Frame 1-1: 7,500 gallon Underground storage tank(UST) removal. (3/3/2009)



Frame 1-2: Soil was excavated to ~10ft. below grade around the location of the UST and along the feed line from the UST to the warehouse. (3/5/2009)



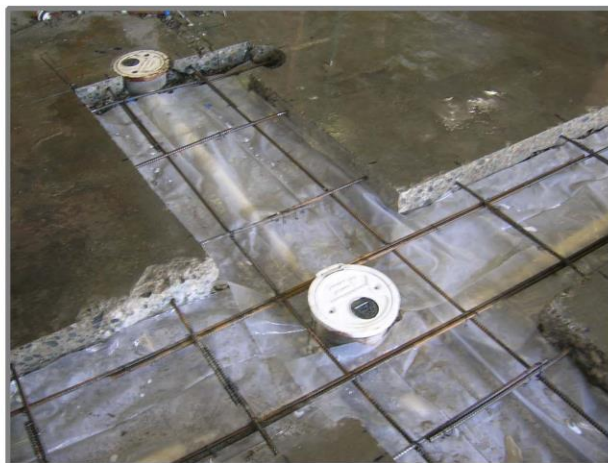
Frame 1-3: A vacuum extraction system(VES) was installed to pull vapor from the remaining contaminated soil surrounding the excavation. (3/5/2009)



Frame 1-4: Excavation was filled with drain rock and closed. (3/6/2009)



Frame 2-1: Trenches made in warehouse to install VES and water processing lines. (12/16/2009)



Frame 2-2: Wells capped and trenches prepared to be closed. (12/2009)



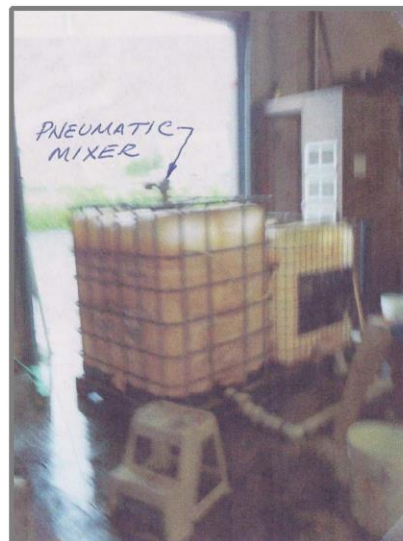
Frame 2-3: Cabinet to house paristaltic pumps, settling drum VES valves and H2O filters. (1/27/2010)



Frame 2-4: Processing Shed. Carbon filters in the steel drums and related plumbing are for the VES system. The two tank shown at the bottom are sediment tanks for processing the water from the paristaltic pumps. (1/2010)



Frame 3-1: Inside the processing cabinet. The jet pump was used to push RegenOx ORC or alternatively hydrogen peroxide treatment to a drain field under the warehouse. (6/2011)



Frame 3-2: (Looking SE)Initial treatments were with a 1260/4000 ratio RegenOx to water solution. Mixing was done on site with a high-shear multi-blade pneumatic mixer. (6/2011)



Frame 3-3: In January 2013, we began a series of hydrogen peroxide treatments. An 8% H₂O₂ solution was further diluted with water to 0.16% and injected via a jet pump. (6/2011)



Frame 3-4: (Looking SW)In total from 6/2011 to 12/2013, two RegenOx ORC treatments and four hydrogen peroxide treatments were conducted. (6/2011)



Frame 4-1: Excavator used for 18' x 18' x 7' deep warehouse excavation. (8/19/2017)



Frame 4-2: (Looking North)Warehouse excavation at 7' below grade with VES plumbing installed. (8/20/2017)



Frame 4-3: (Looking ESE)Excavation stockpile in the yard east of the warehouse. (8/20/2017)



Frame 4-4: (Looking NW)Additional stockpile south of the warehouse. (8/20/2017)



Frame 5-1: Application of lime in excavation prior to being filled with drain rock. (8/21/2107)



Frame 5-2: (Looking ESE)Excavation partially filled with drain rock. (8/21/2017)



Frame 5-3: (Looking ENE)Excavation filled to grade with grade-level VES plumbing shown. (8/22/2017)



Frame 5-4: (Looking SE)Grade-level VES plumbing network leading south along the east wall of the warehouse to the processing shed. (8/23/2017)



Frame 6-1: Excavation closed with vapor barrier and reinforced concrete. (8/24/2017)



Frame 6-2: Borings for new well installation.
Installation performed by ESN Northwest Inc.
(11/6/2017)



Frame 6-3: A total of eight 2" production wells were installed. Six in the warehouse and two outside. Over the next two years, seven more production wells would be installed. Four inside and three outside. (11/12/2017)



Frame 6-4: Water treatment and new VES lines from the six warehouse production as well as the two outdoor lines converge at the processing sheds on the other side of this wall. (11/28/2017)



Frame 7-1: Construction of the new sediment tank(right) and Air Stripper 1(left). (3/31/2018)



Frame 7-2: Construction of the upgraded processing system included a 750-gallon sediment tank and Air Stripper 1 in the shed on the right of the image and Air Strippers 2 and 3 in the shed on the left. (4/21/2018)



Frame 7-3: Controller panel for the production well inline pumps. Each pump was capable of pumping ~2gpm. However, to avoid overloading the treatment system and wearing out the pumps, each pump was set to run on a time cycle appropriate for each well. (5/24/2018)



Frame 7-4: From left to right; two drums used to cycle treatment water through Air Strippers 2 & 3 to provide multiple pass throughs and overflow protection, two drums containing organoclay filter material and a return line drum that fed cleaned water back into the ground. (6/8/2018)



Frame 8-1: (Inside Central Processing Shed)Pumps for VES. The larger black pump on the left blows clean air into the ground through the VES plumbing. The gray pump to its right pulls vacuum from the wells and sparge lines into a carbon filtration system on the other side of the wall to the south. On the wall to the left(east wall) are controllers for the two pumps. (8/22/2018)



Frame 8-2: (Inside Central Processing Shed)Upgrade of the VES system. The valves shown control whether a well is being blown into with clean air via the blower or VOCs being pulled through the vacuum pump to a carbon filtration system. (8/22/2018)



Frame 8-3: (Looking S) Additional VES lines added for each production well that was installed in the warehouse in 2017. (12/21/2018)



Frame 8-4: (Looking E) Additional vacuum pumps and carbon filters(black steel drums) added to the VES system. (5/20/2019)



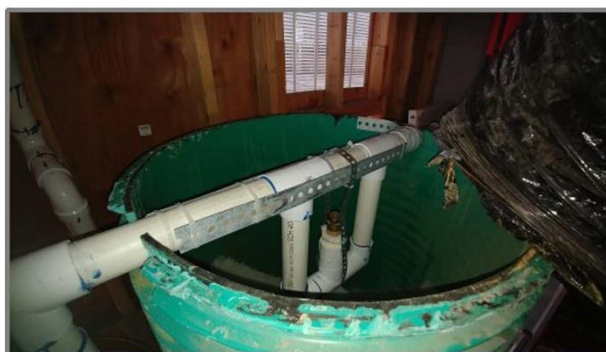
Frame 9-1: Interior design of Air Stripper 2. A brass nozzle sprays water up and the resultant mist falls through the helical media below. (12/1/2018)



Frame 9-2: Demonstration of Air Stripper 3's spray nozzle system. (4/30/2018)



Frame 9-3: (Looking W)South processing shed with Air Strippers 2 and 3 completed. (5/6/2018)



Frame 9-4: In the fall of 2018, Air Stripper 3's original design was replaced with one that was the same as Air Stripper 2(shown above). (5/6/2018)



Frame 10-1: (Looking SW) North processing shed completed with blue inflow drum collecting water from wells. The water then feeds into a 7,500 gallon sediment tank(shown behind the inflow drum) before feeding into Air Stripper 1(shown on left). (5/11/2018)



Frame 10-2: (Looking W) Water from the sediment tank is sent through these water filters before entering Air Stripper 1. (2/19/2019)



Frame 10-3: (Looking SW) A trench was dug in an area just south of the location of the UST southwest to the north processing shed. VES lines and two processing wells were installed at that time. (9/4/2018)



Frame 10-4: (Looking SE) In addition to the two wells shown in Frame 11-3, an additional well was installed later in front of the central processing shed. (2/18/2019)



Frame 11-1: Two additional organoclay filters were added to the processing system. (11/22/2018)



Frame 11-2: The last step prior to treated water being returned to the ground was for it enter a small holding tank where it could be mixed with a controlled amount of hydrogen peroxide and then pass through a UV bath (black apparatus shown in the photo). (12/1/2018)

Frame 11-3: Replaced several inline pumps with jet pumps to increase the processing throughput by ~100%. (5/20/2019)



Frame 11-4: To handle the increased amount of water being pumped by the jet pumps, two additional 250 gallon sediment tanks along with 2 drums to transfer water to the rest of the system were added. (3/24/2019)



Frame 12-1: (Looking E)5' x 10' x 10' deep exploratory excavation in the SE corner of the warehouse. Testing showed that this area was at the southernmost extent of the zone of contamination. (7/4/2019)



Frame 12-2: (Looking NE)At ~10ft. below grade, this 2" perforated lines was installed horizontally to the east under warehouse wall. It was then plumbed to allow passive venting, VES extraction, and in-situ treatment injection. (8/12/2019)



Frame 12-3: (Looking SW)5' x 10' x 10' deep exploratory excavation ~30' north of the warehouse's south wall and ~20' east of the warehouse's west wall. Testing showed that only the northeast corner of the excavation contained contaminated soil. (7/2/2019)



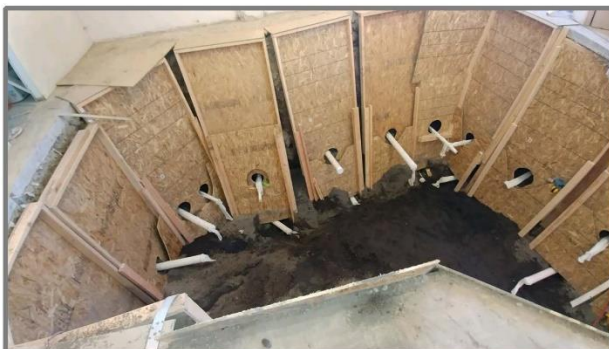
Frame 12-4: (Looking NW)This 10' deep excavation was in an area known to still be contaminated. Located just north of the the north processing shed, the main purpose of this excavation was to remove what was thought to be some of the most contaminated remaining soil left and to install a gallery of horizontal treatment lines to the east under the warehouse wall and to the south under the processing sheds. (7/2/2019)



Frame 13-1: (Looking N) After a thorough survey to fully map out the full extent of the contaminated soil, it was determined that the best course of action was to excavate as much of the contaminated soil as possible. Within the warehouse, this was accomplished in four separate phases. Phase 1 being a roughly 20' x 12' x 10' deep area at the north end of the warehouse. Phase 2 a somewhat larger ~20' x 20' x 10' deep area just to the south and connected to Phase 1. Phase 3 being a smaller ~10' x 10' x 10' deep area to the west of the warehouse garage door. Phase 4 a ~18' x 25' x 10' deep area mostly overlapping to 2017 excavation. (8/3/2019)



Frame 13-2: Shoring was installed along the side walls of the excavations to ensure the stability of the workspace. (8/29/2019)



Frame 13-3: Two layers of horizontal lines were bored all along perimeter of the excavation. One set at ~8' below grade with 1 1/2" and 4" perforated lines providing passive venting, and potential VES and treatment injection capabilities to areas outside the excavation zone. Another layer of 4" perforated lines were installed at ~10'-11' below grade to provide capability to pull water for processing. (9/20/2019)



Frame 13-4: The gallery of horizontal lines at ~10'-11' depth were connected to a central collector pipe. There is one collector pipe in each of the four phases. (9/20/2019)



Frame 14-1: (Looking NE)A 1 1/2" drill was used to create 6" diameter x 10' long borings for the 1 1/2" and 4" gallery of lines going under the walls of the warehouse. (8/24/2019)



Frame 14-2: (Looking NE)Between the four phases, the gallery of horizontal lines totals 62: (8) 1 1/2" lines at 8' below grade, (30) 4" lines at 8' below grade and (24) 4" lines at ~10'-11' below grade. Additionally, there is (1) 4" line at ~10'-11' below grade in the south exploratory trench and (1) 1 1/2" and (2) 4" lines at ~11' below grade, (1) 1 1/2" and (1) 4" line at 8' below grade and (1) 1 1/2" line at 6' below grade in the outdoor trench north of the north processing shed. (8/24/2019)



Frame 14-3: (Looking E)In addition to the horizontal lines in each phase, a network of 1 1/2" sparge lines sitting at bottom of the excavation ~10'-11' below grade and connected to the phase's collector line was installed. (8/31/2019)



Frame 14-4: (Looking S)As work was completed inside each excavation phase, the shoring was removed and clean soil and drain rock was used to fill in the excavated area. Phases 1 and 2 were excavated together and filled sequentially as the work inside was completed. Work then moved onto phase 4 at the south end and then to phase 3 west of the garage door. (9/4/2019)



Frame 15-1: (Looking S)
Due to access restrictions,
Phase 4 was excavated,
worked in and partially
filled prior Phase 3 being
excavated. (9/20/19)



Frame 15-2: (Looking E) Completed Phase 4 irrigation gallery at ~10'-11'. (9/23/2019)



Frame 15-3: (Looking S) The
horizontal borings for the
irrigation gallery were
mostly aimed to access the
contaminated soil that we
weren't able to directly
excavated. This was mostly
under walls, support
columns and other
structural elements of the
warehouse. (9/23/2019)



Frame 15-4: (Looking SE) Clean
soil was stockpiled inside the
warehouse(shown on the left
side of the image).
Contaminated soil was mostly
placed directly into boxes to be
hauled away by Republic
Services Inc. Small temporary
stockpiles were made(see the
right side of the image) when
space in the boxes ran out.
(9/20/2019)



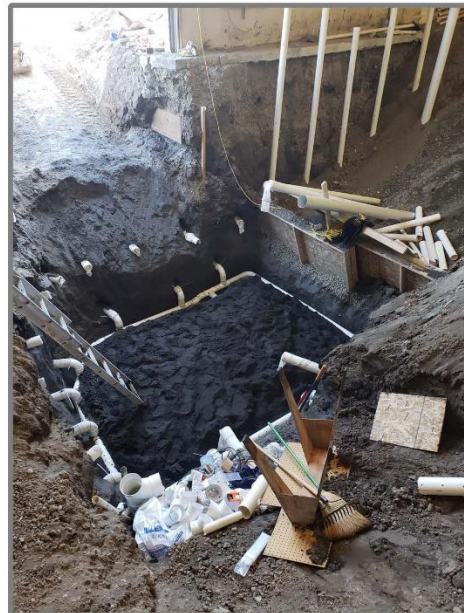
Frame 16-1: (Looking ESE)Phase 3 of the excavation was completed last as it's location necessitated a pathway for equipment to drive through while completing the other three phases. (9/27/2019)



Frame 16-2: (Looking S)Due to logistical constraints, phase 3 wasn't able to be excavated as fully as the other phases. A depth of ~10'-11' was still reached, but the footprint was smaller. (9/27/2019)



16-4: (Looking WSW)As with the other phases, phase 3's irrigation gallery consisted of: 4" pull/vent lines bored 8'-10' out horizontally from the perimeter of the excavation at ~10'-11' below grade, a gallery of sparge lines located ~10' below grade and 4" vent/treatment lines at ~8' below grade. (10/2/2019)



Frame 16-4: (Looking SE)Given the importance of this area, the irrigation gallery in phase 3 was more densely packed than in the other phases. (10/1/2019)



Frame 17-1: (Looking NE)The excavation were filled in with a mix of clean soil, 3/8 minus drain rock, pit run and gravel borrow. (9/20/2019)



Frame 17-2: (Looking South)Drain rock was used to fill the bottom several feet with the other material(mostly pit run) overlain on top to grade. (9/20/2019)



Frame 17-3: (Looking ESE)The plumbing in phase 3 had to be routed in such a way to allow equipment to pass through the area during the excavatiop infill. (10/4/2019)



Frame 17-4: (Looking WSW) The three small trenches were also filled in at this time. (9/20/2019)



Frame 18-1: (Looking SWS)At grade plumbing for the irrigation/VES gallery. Each of the horizontal lines at ~8' below grade has it's own access point at grade and the collector lines for the ~10'-11' below grade gallery from each phase have a 6" access point at grade as well. (11/9/2019)



Frame 18-2: (Looking ESE)Some grade-level access points for the irrigation/VES gallery were too tightly clustered together for each to have their own monument. In situations like that shown above, a box form was built with the intention of an enclosure with a custom fitted steel plate covering to be made for each one. (11/28/2019)



Frame 18-3: Before closing the excavation, a vapor barrier and rebar were installed. (12/17/2019)



Frame 18-4: (Looking SE)Lucas Construction LLC of Marysville, WA was contracted to prepare and pour the concrete for the excavation. (12/18/2019)



Frame 19-1: (Looking ESE)Each grade level access point has either a monument or a custom fit steel plate covering. In total there are (27) 10" and (8) 8" monuments. (2/24/2020)



Frame 19-2: Each monument has a locking cap atop the access point as shown. (2/24/2020)



Frame 19-3: (Looking S)This steel plate covering, located immediately southwest of the garage door in the warehouse(enclosure shown in Frame 18-2), is the largest of eight custom fit enclosures. (3/11/2020)



Frame 19-4: (Looking N)Two monitoring wells located to the north of the warehouse. The nearer of the two is located at the north property line. The farther monitoring well is at where we have determined is the current northernmost extent of soil contamination. (4/3/2020)

Appendix C: Laboratory Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

November 24, 2009

Duane Bartel
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on November 17, 2009 from the Farwest UST, F&BI 911133 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
c: Rob Roe
NAA1124R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 17, 2009 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 911133 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
911133-01	West Well 11/17/09
911133-02	North Well 11/17/09
911133-03	South Well 11/17/09

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/24/09
Date Received: 11/17/09
Project: Farwest UST, F&BI 911133
Date Extracted: 11/17/09
Date Analyzed: 11/19/09

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING NWTPH-Dx**

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-137)
West Well 11/17/09 911133-01	6,100	98
North Well 11/17/09 911133-02 1/100r	9,700,000	ip
South Well 11/17/09 911133-03 1/100r	2,100,000	ip
Method Blank	<50	96

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/24/09

Date Received: 11/17/09

Project: Farwest UST, F&BI 911133

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	90	94	70-130	4

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.

A1 – More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

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

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

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

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

911133

SAMPLE CHAIN OF CUSTODY

ME 11-17-09

B04

Send Report To Duane Bartel
 Company Tenor Company, LLC
 Address 1313 Washington St.
 City, State, ZIP Sumner, WA. 98390
 Phone # 206-321-5565 duanesadventures2296@comcast.net
email -

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

Farwest UST

REMARKS

Please email results to me and
 to Rob Lowe @ Environmental Associates

Page #

1 of 1

TURNAROUND TIME

☒ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☒ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Mineral Spirits				
West Well 11/17/09	01	11/17/09	1:00	water	1											
North Well 11/17/09	02	1	1:00	1	1							✓				
South Well 11/17/09	03	1	1:00	1	1							✓				

Friedman & Bruya, Inc.
 3012 16th Avenue West

Seattle, WA 98119-
 0000
 Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

Duane Bartel

Michael Engle

Tenor Co. LLC

R. Bine

11/17

1:30

1

1

Samples received at 17°C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 18, 2010

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on March 15, 2010 from the Soil/Water Test, F&BI 003143 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0318R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 15, 2010 by Friedman & Bruya, Inc. from the Tenor Co., LLC Soil/Water Test, F&BI 003143 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
003143-01	Well 5
003143-02	Well 6
003143-03	Well 7
003143-04	Well 8
003143-05	Well 9
003143-06	Well 11
003143-07	Soil 1
003143-08	Soil 2
003143-09	Soil 3

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/18/10

Date Received: 03/15/10

Project: Soil/Water Test, F&BI 003143

Date Extracted: 03/17/10

Date Analyzed: 03/18/10

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
Soil 1 003143-07	<50	101
Soil 2 003143-08	<50	100
Soil 3 003143-09	<50	100
Method Blank 00-0393 MB	<50	99

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/18/10
Date Received: 03/15/10
Project: Soil/Water Test, F&BI 003143
Date Extracted: 03/16/10
Date Analyzed: 03/16/10

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
Well 5 003143-01	6,100	102
Well 6 003143-02	13,000	109
Well 7 003143-03	16,000	109
Well 8 003143-04	6,400	113
Well 9 003143-05	4,500	109
Well 11 003143-06	4,800	100
Method Blank 00-0355 MB	<50	103

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/18/10

Date Received: 03/15/10

Project: Soil/Water Test, F&BI 003143

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: 003143-09 (Duplicate)

Analyte	Reporting Units	(Wet wt) Sample Result	(Wet wt) Duplicate Result	Relative Percent Difference	Acceptance Criteria
Stoddard Solvent	mg/kg (ppm)	<50	<50	nm	0-20

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	mg/kg (ppm)	5,000	88	90	70-130	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/18/10

Date Received: 03/15/10

Project: Soil/Water Test, F&BI 003143

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	76	83	70-130	9

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.

A1 – More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

003143

3/14/2010

SAMPLE CH. OF CUSTODY

ME 03/15/10

A04

Send Report To: Diane BartelCompany: Tenor Company LLCAddress: 1313 Washington StCity, State, ZIP: Sumner WA 98390Phone # 206-321-5565 Fax # _____

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS email to:duenasadventures256@comcast.net

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED						Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	
Well 5	01	3/14/10		water	1							Standard ppm
" 6	02				1							
" 7	03				1							
" 8	04				1							
" 9	05				1							
" 11	06				1							Standard ppm
Soil 1	07	3/14/10		Soil	1							Standard ppm
Soil 2	08				1							↓
Soil 3	09				1							Standard ppm

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COGN\DOC.DOC

Relinquished by:

PRINT NAME

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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 7, 2010

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on April 1, 2010 from the Water Test, F&BI 004015 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0407R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 1, 2010 by Friedman & Bruya, Inc. from the Tenor Co., LLC Water Test, F&BI 004015 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
004015-01	Well No. 1
004015-02	Well No. 4

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/07/10
Date Received: 04/01/10
Project: Water Test, F&BI 004015
Date Extracted: 04/05/10
Date Analyzed: 04/06/10

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
Well No. 1 004015-01	27,000	112
Well No. 4 004015-02	15,000	107
Method Blank 00-0494 MB	<50	99

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/07/10

Date Received: 04/01/10

Project: Water Test, F&BI 004015

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	81	86	70-130	6

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.

A1 – More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

004015

SAMPLE CHAIN OF CUSTODY

ME

04/01/10

C04

Send Report To Duane BartelCompany Tenor Co, LLCAddress 1313 Washington St.City, State, ZIP Sumner, WA 98370Phone # 206-321-5565 Fax # _____

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS Please email results to:duane@duanecoventures2296@comcast.net

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

ANALYSES REQUESTED

Sample ID

Lab ID

Date

Time

Sample Type

of containers

TPH-Diesel

TPH-Gasoline

BTEX by 8021B

VOCs by 8260

SVOCs by 8270

HFS

Mineral spirits

Notes

Well #1

01

4/1/10

1:20

water

1

02

1

1:20

V

1

* Test for ppm of mineral spirits.

Friedman & Bruja, Inc.
3012 16th Avenue West

Seattle, WA 98119

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Cham BartelDuane BartelTenor Co, LLC4/1/103:00

Received by:

M Cary LewisNhan PhanFE BI4/1/103:00

Relinquished by:

Received by:

Samples received at 14 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 25, 2010

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on August 13, 2010 from the Water Test, F&BI 008166 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0825R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 13, 2010 by Friedman & Bruya, Inc. from the Tenor Co., LLC The Water Test, F&BI 008166 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
008166-01	Well No.1
008166-02	Well No.2
008166-03	Well No.3
008166-04	Well No.4
008166-05	Well No.5
008166-06	Well No.6
008166-07	Well No.7
008166-08	Well No.8
008166-09	Well No.9
008166-10	Well No.10
008166-11	Well No.11
008166-12	Well No.13

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/25/10

Date Received: 08/13/10

Project: The Water Test, F&BI 008166

Date Extracted: 08/19/10

Date Analyzed: 08/23/10

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
Well No.1 008166-01	11,000	96
Well No.2 008166-02	11,000	86
Well No.3 008166-03	11,000	96
Well No.4 008166-04	4,800	108
Well No.5 008166-05	4,800	107
Well No.6 008166-06	3,500	104
Well No.7 008166-07	2,400	95
Well No.8 008166-08	790	113
Well No.9 008166-09	2,100	99
Well No.10 008166-10	1,900	100

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/25/10

Date Received: 08/13/10

Project: The Water Test, F&BI 008166

Date Extracted: 08/19/10

Date Analyzed: 08/23/10

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
Well No.11 008166-11	1,900	119
Well No.13 008166-12	220	117
Method Blank 00-1287 MB	<50	101

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/25/10

Date Received: 08/13/10

Project: The Water Test, F&BI 008166

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	90	91	70-130	1

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.

A1 – More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

CO

Phone # 206-321-5565 Fax # N/A

☐ Will call with instructions

[illegible]

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 25, 2010

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on August 16, 2010 from the Water Test, F&BI 008178 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0825R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 16, 2010 by Friedman & Bruya, Inc. from the Tenor Co., LLC Water Test, F&BI 008178 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
008178-01	Well 14
008178-02	Well 15
008178-03	Well 16

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/25/10
Date Received: 08/16/10
Project: Water Test, F&BI 008178
Date Extracted: 08/19/10
Date Analyzed: 08/24/10

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
Well 14 008178-01	14,000	108
Well 15 008178-02	150	120
Well 16 008178-03	730	120
Method Blank 00-1287 MB	<50	101

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/25/10

Date Received: 08/16/10

Project: Water Test, F&BI 008178

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	90	91	70-130	1

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.

A1 – More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

Day M3: 8/16/10

Phone # 206-321-5565 Fax # N/A

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)

☐ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

[illegible]

FOR THE VOOO VOOO BOO?

Reviewed by:

Reviewed by:

Reviewed by:

Reviewed by:

Reviewed by:

Samples received at °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 21, 2011

Duane Bartel
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on January 13, 2011 from the Farwest UST, F&BI 101142 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0121R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 13, 2011 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
101142-01	Well No.1
101142-02	Well No.2
101142-03	Well No.3
101142-04	Well No.4
101142-05	Well No.5
101142-06	Well No.6
101142-07	Well No.7
101142-08	Well No.9
101142-09	Well No.10
101142-10	Well No.14

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/21/11
Date Received: 01/13/11
Project: Farwest UST, F&BI 101142
Date Extracted: 01/17/11
Date Analyzed: 01/19/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
Well No.1 101142-01	6,400	99
Well No.2 101142-02	35,000	117
Well No.3 101142-03	29,000	114
Well No.4 101142-04	13,000	96
Well No.5 101142-05	34,000	101
Well No.6 101142-06	22,000	96
Well No.7 101142-07	37,000	95
Well No.9 101142-08	3,700	107
Well No.10 101142-09	12,000	98
Well No.14 101142-10	16,000	99
Method Blank 01-0079 MB	<50	102

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/21/11

Date Received: 01/13/11

Project: Farwest UST, F&BI 101142

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	90	100	70-130	11

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.

A1 – More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

101142 Comcast.net SAMPLE CHAIN OF CUSTODY ME 01-13-11 404

Send Report To DuaneSullivan@me2296.com
Company Tenor Company LLC
Address 1313 Washington St,
City, State, ZIP Sumner, WA 98390
Phone # 206-321-5565 Fax # None

SAMPLERS (signature)	
PROJECT NAME/NO.	PO #
Farrives + DST	
REMARKS	

TURNAROUND TIME <input type="checkbox"/> Standard (2 Weeks) <input type="checkbox"/> RUSH	SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions
Rush charges authorized by:	

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED						Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	
Well #1	01	11/12/11	7 PM	Water								Mineral Spirits
2	02	"	"	"								✓
3	03	"	"	"								✓
4	04	"	"	"								✓
5	05	"	"	"								✓
6	06	"	"	"								✓
7	07	"	"	"								✓
9	08	"	"	"								✓
10	09	"	"	"								✓
Well #14	10	11/12/11	7 PM	Water								✓

SIGNATURE		PRINT NAME		COMPANY	DATE	TIME
Relinquished by:						
Received by:						
Relinquished by:						
Received by:						

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 10, 2011

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on February 7, 2011 from the Water Test, F&BI 102075 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0210R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 7, 2011 by Friedman & Bruya, Inc. from the Tenor Co., LLC Water Test, F&BI 102075 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
102075-01	Well No. 2
102075-02	Well No. 5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Water Test, F&BI 102075
Date Extracted: 02/07/11
Date Analyzed: 02/08/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
Well No. 2 102075-01	46,000	104
Well No. 5 102075-02	170,000 ve	110
Method Blank 01-0247 MB	<50	107

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/11

Date Received: 02/07/11

Project: Water Test, F&BI 102075

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	94	101	70-130	7

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.

A1 – More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

3

Phone # 206-321-5565 Fax # _____

TURNAROUND TIME

SAMPLE DISPOSAL

- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Notes

02

* Test for ppm of mineral spirits.

Fax (206) 283-5044

TIME

Relinquished by:

When placed

FEB 1

2/6/11	4:30 PM
2/7/11	07:15

Samples received at 14 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

October 5, 2011

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on September 23, 2011 from the Tenor FW UST Remediation, F&BI 109326 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA1005R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 23, 2011 by Friedman & Bruya, Inc. from the Tenor Co., LLC Tenor FW UST Remediation, F&BI 109326 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
109326-01	W2
190326-02	W5
190326-03	W14

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/05/11

Date Received: 09/23/11

Project: Tenor FW UST Remediation, F&BI 109326

Date Extracted: 09/28/11

Date Analyzed: 10/03/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
W2 109326-01	22,000	123
W5 109326-02	16,000	117
W14 109326-03	2,600	110
Method Blank 01-1777 MB	<50	112

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/05/11

Date Received: 09/23/11

Project: Tenor FW UST Remediation, F&BI 109326

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	102	109	70-130	7

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.

A1 – More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

~~CONFIDENTIAL~~ **BEUYA LAB**
109326

CHAIN-OF-CUSTODY RECORD

ME 09/23/11

ME 07-23-11 001 B02

CLIENT: **Tenor Co. LLC**
ADDRESS: **1313 Washington St. Sumner WA**
PHONE: **206-321-5565** FAX: **78390**
CLIENT PROJECT #: **FW-05T** PROJECT MANAGER: **D. Bartel**

DATE: **9-22-11** PAGE **7** OF **1**
PROJECT NAME: **Tenor Fluor Remediation**
LOCATION: **327 S. Keyway St. Se. Hc**
COLLECTOR: **D. Bartel** DATE OF COLLECTION: **9/22/11**

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES																		NOTES	Total Number of Containers	Laboratory Note Number												
					TPH-HCID	TPH - DIESEL & OIL	TPH - GASOLINE	BTEX	VOC 8260CL	VOC 8260	SemiVol 8270	PAH's 8270	PCB's 8082	CL Pesticides 8081	RCRA 8 Metals	MTCA 5 Metals	Pb	Asbestos-PLM	GRO Suite	DRO Suite	WO Suite																
1. W2	13'	7:11 AM	20 Glass	"	Test all three samples for mineral spirits (stalled solvent) D. Barker 9-22-11																				01												
2. W5	13'	"	"	"																																	02
3. W14	13'	"	"	"																																	03
4.																																					
5.																																					
6.																																					
7.																																					
8.																																					
9.																																					
10.																																					
11.																																					
12.																																					
13.																																					
14.																																					
15.																																					
16.																																					
17.																																					
18.																																					

Test all three samples for mineral spirits (shaded solvent)
D. Bartel
9-22-11

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature) DATE/TIME

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ ESN DISPOSAL @ \$2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/A

SEALS INTACT? Y/N/A

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

Samples received at **20** °C

Turn Around Time: 24 HR 48 HR 5 DAY

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

October 28, 2011

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on October 17, 2011 from the Farwest UST, F&BI 110210 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA1028R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 17, 2011 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 110210 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
110210-01	W1
110210-02	W2
110210-03	W4
110210-04	W6
110210-05	W7
110210-06	W8
110210-07	W9
110210-08	W10
110210-09	W11
110210-10	DRUM 1
110210-11	DRUM 2
110210-12	DRUM 3
110210-13	DRUM 4
110210-14	DRUM 5
110210-15	DRUM 6
110210-16	Sample A
110210-17	Sample B
110210-18	Sample C
110210-19	W12
110210-20	W13

Sample W1 and W4 exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/28/11

Date Received: 10/17/11

Project: Farwest UST, F&BI 110210

Date Extracted: 10/19/11

Date Analyzed: 10/21/11, 10/22/11, and 10/26/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
W1 110210-01	140,000 ve	129
W2 110210-02	28,000	119
W4 110210-03	130,000 ve	128
W6 110210-04	80,000	116
W7 110210-05	14,000	130
W8 110210-06	3,100	117
W9 110210-07	4,500	117
W10 110210-08	24,000	124
W11 110210-09	2,300	120
DRUM 1 110210-10	5,500	122
DRUM 2 110210-11	5,000	114

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/28/11

Date Received: 10/17/11

Project: Farwest UST, F&BI 110210

Date Extracted: 10/19/11

Date Analyzed: 10/21/11, 10/22/11, and 10/26/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
DRUM 3 110210-12	14,000	120
DRUM 4 110210-13	5,500	124
DRUM 5 110210-14	5,000	122
DRUM 6 110210-15	6,200	138
Sample A 110210-16	38,000	135
Sample B 110210-17	8,500	131
Sample C 110210-18	51,000	125
W12 110210-19	2,100	85
Method Blank 01-1902 MB	<50	92

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/28/11

Date Received: 10/17/11

Project: Farwest UST, F&BI 110210

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	99	111	70-130	11

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.

A1 – More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

110210

ME 10/17/11

204

SAMPLE CHAIN OF CUSTODY

Duane Bartel
 Send Report To *Tenor Co. LLC*
 Company *duanebartel@tenorllc.com*
 Address *1313 Washington St.*
 City, State, ZIP *Sumner, WA. 98390*
 Phone # *206-301-5505* Fax # _____

SAMPLES (signature) <i>Duane Bartel</i>		PO #
PROJECT NAME/NO. <i>FARREST UT</i>		
REMARKS <i>See note on pg. 2 re: samples W12 & W13.</i>		

Page # <i>1</i> of <i>2</i>
TURNAROUND TIME <input type="checkbox"/> Standard (2 Weeks) <input type="checkbox"/> RUSH
Rush charges authorized by: _____
SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED						Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	
W1	01	10/16/11	5PM	Water	1							X
W3	02											
W4	03											
W6	04											
W7	05											
W8	06											
W9	07											
W10	08											
W11	09											
DRUM 1	10	10/16/11	5PM	Water	1							X

Friedman & Bryna, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph (206) 285-8282
 Fax (206) 283-5044
 FORMS\OCC\OCC.DOC

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <i>Duane Bartel</i>		<i>Duane Bartel</i>		<i>Tenor Co. LLC</i>		10/16/11	8PM
Received by: <i>my/any/any</i>		<i>Nhan Phan</i>				10/17/11	0715
Relinquished by:							
Received by:							

Samples received at 9 °C

110210

SAMPLE CHAIN OF CUSTODY

ME 10/17/11

204

Send Report To

Company Tenor Co. LLCAddress 1313 Washington St.City, State, ZIP Seattle, WA. 98390Phone # 206-321-5565 Fax # _____

SAMPLERS (signature)

PROJECT NAME/NO.

Farwest WST

PO #

REMARKS

See note below re: W12 & W13. May not need to test, DBPage # 2 of 2

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED						Notes				
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
DRUM 2	111	10/16/11	5PM	under	1											
DRUM 3	12															
DRUM 4	13															
DRUM 5	14															
DRUM 6	15															
Sample A	16															
" B	17															
Sample C	18															
W12	19															
W13	20	10/16/11	5PM	under	1											

Test only if W8 or W10 exceeds 5000 ppb.
 Test only if W11 exceeds 5000 ppb

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COCC\COCC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

[Signature]Diane BartelTenor Co. LLC10/16/118 AM

Received by:

[Signature]Nhan PhanFCBI10/17/110715

Received by:

Samples received at 9 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

December 19, 2012

Duane Bartel
Tenor Co LLC
1313 Washington St
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on December 11, 2012 from the Farwest UST, F&BI 212168 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA1219R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 11, 2012 by Friedman & Bruya, Inc. from the Tenor Co LLC Farwest UST, F&BI 212168 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co LLC</u>
212168-01	W1
212168-02	W2
212168-03	W4
212168-04	W6
212168-05	W14

The sample W4 exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/19/12

Date Received: 12/11/12

Project: Farwest UST, F&BI 212168

Date Extracted: 12/12/12

Date Analyzed: 12/13/12 and 12/14/12

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
W1 212168-01	7,100	86
W2 212168-02	5,900	103
W4 212168-03	120,000 ve	124
W6 212168-04	18,000	109
W14 212168-05	330	97
Method Blank 02-2288 MB	<50	85

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/19/12

Date Received: 12/11/12

Project: Farwest UST, F&BI 212168

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	87	98	70-130	12

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.

A1 - More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

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

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

AT 3

Phone # 206-321-5565 Fax # None

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)

☐ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

[illegible]

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

January 29, 2013

Duane Bartel, Manager
Tenor Co LLC
1313 Washington St
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on January 21, 2013 from the Farwest UST, F&BI 301245 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0129R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 21, 2013 by Friedman & Bruya, Inc. from the Tenor Co LLC Farwest UST, F&BI 301245 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co LLC</u>
301245 -01	W1
301245 -02	W2
301245 -03	W3
301245 -04	W4
301245 -05	W5
301245 -06	W6

The NWTPH-Dx Stoddard solvent value for sample W4 exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/13

Date Received: 01/21/13

Project: Farwest UST, F&BI 301245

Date Extracted: 01/22/13

Date Analyzed: 01/23/13 and 01/24/13

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS**

**AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 47-140)
W1 301245-01	19,000	53
W2 301245-02	36,000	ip
W3 301245-03	53,000	72
W4 301245-04	100,000 ve	69
W5 301245-05 1/10	110,000	77
W6 301245-06 1/10	140,000	91
Method Blank 03-164 MB	<50	91

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/13

Date Received: 01/21/13

Project: Farwest UST, F&BI 301245

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	88	106	70-130	19

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.

A1 - More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

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

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

301245

comcast.net

SAMPLE CHAIN OF CUSTODY

ME 01/24/13

01/24/13

D03

Send Report To DuenesaAdventures2296@Company Tenor Company LLCAddress 1313 Washington St.City, State, ZIP Sumner, WA, 98390Phone # 206-521-5565 Fax # _____SAMPLERS (signature) [Signature]PROJECT NAME/NO. Farrwest UST

PO #

REMARKS

TURNAROUND TIME
☒ Standard (2 Weeks)
☐ RUSH
 Rush charges authorized by: _____

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

ANALYSES REQUESTED

TPH-Diesel
 TPH-Gasoline
 BTEX by 8021B
 VOCs by 8260
 SVOCs by 8270

HFS
 (Stall for 10 min)
 (mineral spirits)

Notes

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Notes
W1	-01	01-20-13	2 pm	water	1						X	
W2	-02				1						X	
W3	-03				1						X	
W4	-04				1						X	
W5	-05				1						X	
W6	-06				1						X	

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

[Signature]Tara BadelTenar Co. LLC1/21/131:00

Received by:

[Signature]Nhan PhanFe BT1/21/131:00

Relinquished by:

[Signature]Nhan PhanFe BT1/21/131:00

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

Samples received at 9 AC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

February 20, 2013

Duane Bartel, Manager
Tenor Co LLC
1313 Washington St
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on February 11, 2013 from the Farwest UST, F&BI 302123 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0220R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 11, 2013 by Friedman & Bruya, Inc. from the Tenor Co LLC Farwest UST, F&BI 302123 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co LLC</u>
302123 -01	W1
302123 -02	W2
302123 -03	W3
302123 -04	W4
302123 -05	W5
302123 -06	W6

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/20/13

Date Received: 02/11/13

Project: Farwest UST, F&BI 302123

Date Extracted: 02/14/13

Date Analyzed: 02/18/13

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 47-140)
W1 302123-01	47,000	65
W2 302123-02	37,000	ip
W3 302123-03	33,000	64
W4 302123-04	50,000	ip
W5 302123-05	68,000	110
W6 302123-06	29,000	60
Method Blank 03-265 MB	<50	68

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/20/13

Date Received: 02/11/13

Project: Farwest UST, F&BI 302123

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	90	94	70-130	4

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.

A1 - More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

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

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

607

Phone # 206-221-5565 Fax # —

Page # _____ of _____

TURNAROUND TIME
Standard (2 Weeks)
☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

ANALYSIS REQUESTED											
Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	Notes
W1	01	2/10	noon	water	1						✓
W2	02	2/10			1						✓
W3	03	2/10			1						✓
W4	04	2/10			1						✓
W5	05	2/10			1						✓
W6	06	2/10	noon	water	1						✓
			</								

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

October 10, 2013

Duane Bartel, Project Manager
Tenor Co, LLC
1313 Washington St
Summner WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on September 30, 2013 from the Farwest UST, F&BI 309540 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA1010R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 30, 2013 by Friedman & Bruya, Inc. from the Tenor Co, LLC Farwest UST, F&BI 309540 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co, LLC</u>
309540 -01	W1
309540 -02	W2
309540 -03	W3
309540 -04	W4
309540 -05	W5
309540 -06	W6

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/10/13

Date Received: 09/30/13

Project: Farwest UST, F&BI 309540

Date Extracted: 10/02/13

Date Analyzed: 10/08/13 and 10/09/13

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 47-140)
W1 309540-01	15,000	ip
W2 309540-02 1/10	180,000	ip
W3 309540-03 1/20	390,000	ip
W4 309540-04 1/10	210,000	134
W5 309540-05	87,000	88
W6 309540-06 1/10	57,000	ip
Method Blank 03-1976 MB	<50	107

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/10/13

Date Received: 09/30/13

Project: Farwest UST, F&BI 309540

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	102	116	70-130	13

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.

A1 - More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

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

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

804

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)

☐ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

ANALYSES REQUESTED													
Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Notes	
W1	01	9/29/13	3:50	water	1						X		
W2	02				1						X		
W3	03				1						X		
W4	04				1						X		
W5	05				1						X		
W6	06	9/29/13	noon	cement	1						X		
Friedman & Bruja, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 Ph. (206) 285-8282 Fax (206) 283-5044													
SIGNATURE						PRINT NAME		COMPANY		DATE		TIME	
Relinquished by: [Signature]						Dianne Foster		Tenor Co LLC		9/29/13		7 PM	
Received by: mlyfawr						Nhan Phan				9/30/13		0730	
Relinquished by:													
Received by:													

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

July 15, 2014

Duane Bartel, Project Manager
Tenor Company, LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on June 30, 2014 from the Farwest UST, F&BI 406524 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0715R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 30, 2014 by Friedman & Bruya, Inc. from the Tenor Company, LLC Farwest UST, F&BI 406524 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Company, LLC</u>
406524 -01	W2
406524 -02	W3
406524 -03	W5
406524 -04	P

Sample P was diluted for the 8021B analysis due to the foamy sample matrix. The reporting limits were raised accordingly.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/14
Date Received: 06/30/14
Project: Farwest UST, F&BI 406524
Date Extracted: 06/30/14
Date Analyzed: 06/30/14

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES
USING METHOD 8021B**

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Surrogate (% Recovery)</u> Limit (52-124)
P _{pc} 406524-04 1/40	<40	<40	250	730	122
Method Blank 04-1320 MB	<1	<1	<1	<3	92

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/14
Date Received: 06/30/14
Project: Farwest UST, F&BI 406524
Date Extracted: 07/02/14
Date Analyzed: 07/10/14

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 47-140)
W2 406524-01 1/10	620,000	ip
W3 406524-02 1/10	87,000	ip
W5 406524-03	9,600	120
P 406524-04 1/10	280,000	ip
Method Blank 04-1369 MB	<50	93

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/14

Date Received: 06/30/14

Project: Farwest UST, F&BI 406524

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
AND XYLENES
USING EPA METHOD 8021B**

Laboratory Code: 406511-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent	Acceptance Criteria
			Recovery LCS	
Benzene	ug/L (ppb)	50	96	65-118
Toluene	ug/L (ppb)	50	97	72-122
Ethylbenzene	ug/L (ppb)	50	96	73-126
Xylenes	ug/L (ppb)	150	96	74-118

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/14

Date Received: 06/30/14

Project: Farwest UST, F&BI 406524

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	64	67	70-130	5

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

406524

Comcast.net SAMPLE CHAIN OF CUSTODY

ME 6/30/14

C02

Send Report To dueness@ventures296@aCompany Tenor Company LLCAddress 1313 Wishing Tree St.City, State, ZIP Sumner, WA, 98390Phone # 206-321-5565 Fax # _____Page # 1 of 1

TURNAROUND TIME

☒ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructionsSAMPLES (signature) James P. GaultPROJECT NAME/NO. Super Fund

Furwest HST

PO #

REMARKS

ANALYSES REQUESTED

TPH-Diesel
TPH-Gasoline
BTEX by 8021B
VOCs by 8260
SVOCs by 8270
HFS

Mineral Spirit

Notes

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Mineral Spirit	Notes
W2	01			water	1								X-added per DB
W3	02				1								6/30/14 ac.
W5	03				1								
P	04				1		X					X	

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by: James P. GaultReceived by: Walter

Relinquished by: _____

Received by: _____

PRINT NAME

James P. Gault

Walter Langston

COMPANY

Tener Co LLC

FBI Inc

DATE

6/30/14

6/30/14

TIME

9:30 AM

9:30 AM

Samples received at 71°C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

July 17, 2014

Duane Bartel, Project Manager
Tenor Company, LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the amended reports from the testing of material submitted on June 30, 2014 from the Farwest UST, F&BI 406524 project. Per your request, sample P was issued in a separate report.

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
NAA0715R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

July 15, 2014

Duane Bartel, Project Manager
Tenor Company, LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on June 30, 2014 from the Farwest UST, F&BI 406524 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0715R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 30, 2014 by Friedman & Bruya, Inc. from the Tenor Company, LLC Farwest UST, F&BI 406524 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Company, LLC</u>
406524 -01	W2
406524 -02	W3
406524 -03	W5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/14
Date Received: 06/30/14
Project: Farwest UST, F&BI 406524
Date Extracted: 07/02/14
Date Analyzed: 07/10/14

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 47-140)
W2 406524-01 1/10	620,000	ip
W3 406524-02 1/10	87,000	ip
W5 406524-03	9,600	120
Method Blank 04-1369 MB	<50	93

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/14

Date Received: 06/30/14

Project: Farwest UST, F&BI 406524

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	64	67	50-150	5

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

July 15, 2014

Duane Bartel, Project Manager
Tenor Company, LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on June 30, 2014 from the Farwest UST, F&BI 406524 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0715R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 30, 2014 by Friedman & Bruya, Inc. from the Tenor Company, LLC Farwest UST, F&BI 406524 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
406524 -04

Tenor Company, LLC
P

Sample P was diluted for the 8021B analysis due to the foamy sample matrix. The reporting limits were raised accordingly.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/14
Date Received: 06/30/14
Project: Farwest UST, F&BI 406524
Date Extracted: 06/30/14
Date Analyzed: 06/30/14

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES
USING METHOD 8021B**

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Surrogate (% Recovery)</u> Limit (52-124)
P _{pc} 406524-04 1/40	<40	<40	250	730	122
Method Blank 04-1320 MB	<1	<1	<1	<3	92

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/14
Date Received: 06/30/14
Project: Farwest UST, F&BI 406524
Date Extracted: 07/02/14
Date Analyzed: 07/10/14

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u>	<u>Stoddard Solvent Range</u>	<u>Surrogate</u>
Laboratory ID	(C ₈ -C ₁₁)	(% Recovery)
		(Limit 47-140)
P	280,000	ip
406524-04 1/10		
Method Blank	<50	93
04-1369 MB		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/14

Date Received: 06/30/14

Project: Farwest UST, F&BI 406524

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
AND XYLENES
USING EPA METHOD 8021B**

Laboratory Code: 406511-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent	Acceptance Criteria
			Recovery LCS	
Benzene	ug/L (ppb)	50	96	65-118
Toluene	ug/L (ppb)	50	97	72-122
Ethylbenzene	ug/L (ppb)	50	96	73-126
Xylenes	ug/L (ppb)	150	96	74-118

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/14

Date Received: 06/30/14

Project: Farwest UST, F&BI 406524

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	64	67	50-150	5

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

(32)

Page # _____ / _____ of _____

TURNAROUND TIME

☒ Standard (2 Weeks)

☐ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

[illegible]

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

August 12, 2014

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on July 22, 2014 from the Farwest UST, F&BI 407325 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0812R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 22, 2014 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 407325 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
407325 -01	W2
407325 -02	W3
407325 -03	W4

The Stoddard solvent laboratory control sample and laboratory control sample duplicate failed the acceptance criteria. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/14
Date Received: 07/22/14
Project: Farwest UST, F&BI 407325
Date Extracted: 07/28/14
Date Analyzed: 08/06/14

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 47-140)
W2 407325-01 1/10	25,000 x, jl	75
W3 407325-02 1/10	92,000 x, jl	ip
W4 407325-03 1/10	9,100 x, jl	92
Method Blank 04-1551 MB	<50 jl	79

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/14

Date Received: 07/22/14

Project: Farwest UST, F&BI 407325

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	52 vo	41 vo	60-120	24 vo

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

SAMPLE CHAIN OF CUSTODY ME 07-22-14 E03

SAMPLERS (signature)
Jen [Signature]

PROJECT NAME/NO.

forward USI

REMARKS

100

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)

□ RUSH.

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples

☐ Will call with instructions

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	Duane Bartel	Tenax Company	7/22/14	10:30 AM
Received by: <u>[Signature]</u>	CD vt	FR B2	"	"
Relinquished by:				
Received by:				

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

April 25, 2017

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Tenor:

Included are the results from the testing of material submitted on April 12, 2017 from the Farwest UST, F&BI 704198 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0425R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 12, 2017 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 704198 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
704198-01	A
704198-02	B
704198-03	C
704198-04	D
704198-05	E
704198-06	F
704198-07	G
704198-08	H
704198-09	I
704198-10	J
704198-11	K
704198-12	M
704198-13	P

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/25/17

Date Received: 04/12/17

Project: Farwest UST, F&BI 704198

Date Extracted: 04/13/17

Date Analyzed: 04/20/17

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
A 704198-01	3,100	124
B 704198-02	3,700	124
C 704198-03	13,000	132
D 704198-04	9,700	134
E 704198-05	11,000	113
F 704198-06	5,100	105
G 704198-07	2,800	121
H 704198-08	29,000	109
I 704198-09	28,000	132
J 704198-10	25,000	128
K 704198-11	28,000	121

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/25/17
Date Received: 04/12/17
Project: Farwest UST, F&BI 704198
Date Extracted: 04/13/17
Date Analyzed: 04/20/17

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
M 704198-12	35,000	134
P 704198-13	4,900	ip
Method Blank 07-770 MB	<250	110

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/25/17

Date Received: 04/12/17

Project: Farwest UST, F&BI 704198

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	87	86	70-130	1

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

704198

SAMPLE CHAIN OF CUSTODY

ME 04/12/17 Bay

Send Report To: diagnosableventures@comcast.net
Company: Teno Co, LLC
Address: 1313 Washington St
City, State, ZIP: Sumner WA 98390
Phone #: 206-321-5565 Fax #: none

SAMPLERS (signature) <u>Phan Phan</u>	
PROJECT NAME/NO.	PO #
<u>Finnest 45T</u>	<u>1</u>
REMARKS: <u>I will pickup samples</u>	

Page # <u>1</u> of <u>2</u>
TURNAROUND TIME <input type="checkbox"/> Standard (2 Weeks) <input type="checkbox"/> RUSH
Rush charges authorized by: _____
SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED						Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	
A	01	4/12/17	10-11 AM	water	1							*Mineral spirits only
B	02				1							
C	03				1							
D	04				1							
E	05				1							
F	06				1							
G	07		10-11 AM		1							
H	08		11-12 AM		1							
I	09				1							
J	10		11 AM		1							
K	11	4/12/17			1							

Friedman & Bruja, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8382
Fax (206) 283-5044
FORMS\COCC\COCCDOC

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>Phan Phan</u>						4/12/17	1435
Received by: <u>mf/af</u>		Phan Phan		FBI		4/12/17	1435
Relinquished by:							
Received by:							

Boy

Boy

Phone # 206-321-5565 Fax # 206-321-5565

☐ Return samples

REMARKS I will pick up samples

Stirling on

[illegible]

FORMS\COCC\COCC.DOC

DATE	TIME
------	------

Received by:

Samples received at 16 °C

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

May 9, 2017

Duane Bartel
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on April 27, 2017 from the Farwest UST, F&BI 704450 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0509R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 27, 2017 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 704450 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
704450 -01	N Well
704450 -02	M Well
704450 -03	S Well
704450 -04	X Well

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/09/17
Date Received: 04/27/17
Project: Farwest UST, F&BI 704450
Date Extracted: 05/01/17
Date Analyzed: 05/03/17

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> (% Recovery) (Limit 51-134)
N Well 704450-01	520	94
M Well 704450-02 1/1.2	<300	91
S Well 704450-03	1,600	93
X Well 704450-04	880	89
Method Blank 07-946 MB	<250	94

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/09/17

Date Received: 04/27/17

Project: Farwest UST, F&BI 704450

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	72	71	70-130	1

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

concert, not

SAMPLE CHAIN OF CUSTODY

ME 4/27/17 coy.

Send Report To clmnsadventures2796@gmail.com

Company Ten 61 Company

Address 1313 Washington St.

City, State, ZIP Sumner, WA - 98390

Phone # 206-321-5565 Fax # None

SAMPLERS (signature)		Para # _____ of _____	
PROJECT NAME/NO.		PO #	
Forecast 455			
REMARKS I will pick up the samples			
TURNAROUND TIME Standard (2 Weeks) <input type="checkbox"/> RUSH Rush charges authorized by: _____			
SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions			

[illegible]

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

July 26, 2017

Duane Bartel, Project Manager
Tenor Company
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on June 2, 2017 from the Farwest UST, F&BI 706044 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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

c: dhopper@republicservices.com
NAA0726R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 2, 2017 by Friedman & Bruya, Inc. from the Tenor Company Farwest UST, F&BI 706044 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Company</u>
706044 -01	OUT 15' (2 jars)
706044 -02	IN 12'
706044 -03	IN 16'

Sample IN 16' was sent to Fremont Analytical for flashpoint analysis. Review of the enclosed report indicates that all quality assurance were acceptable.

Several analytes in the 6020A matrix spike did not meet the acceptance criteria. The laboratory control sample met the acceptance criteria, therefore the results were likely due to matrix effect.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/26/17

Date Received: 06/02/17

Project: Farwest UST, F&BI 706044

Date Extracted: 07/18/17

Date Analyzed: 07/18/17

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR pH
USING EPA METHOD 9045D**

Sample ID
Laboratory ID

pH

IN 16'
706044-03

7.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020A

Client ID:	IN 16'	Client:	Tenor Company
Date Received:	06/02/17	Project:	Farwest UST, F&BI 706044
Date Extracted:	06/06/17	Lab ID:	706044-03
Date Analyzed:	06/06/17	Data File:	706044-03.126
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	1.85
Barium	18.3
Cadmium	<1
Chromium	10.9
Lead	1.80
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020A

Client ID:	Method Blank	Client:	Tenor Company
Date Received:	Not Applicable	Project:	Farwest UST, F&BI 706044
Date Extracted:	06/06/17	Lab ID:	I7-309 mb
Date Analyzed:	06/07/17	Data File:	I7-309 mb.033
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
--------------------	-------------	--------------	--------------

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/26/17

Date Received: 06/02/17

Project: Farwest UST, F&BI 706044

**QUALITY ASSURANCE RESULTS
FROM THE ANALYSIS OF SOIL
SAMPLES FOR pH BY METHOD 9045D**

Laboratory Code: 707222-03 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
pH	8.4	8.5	1	0-20

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/26/17

Date Received: 06/02/17

Project: Farwest UST, F&BI 706044

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

Laboratory Code: 706086-01 (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	2.04	78	92	75-125	16
Barium	mg/kg (ppm)	50	34.6	83	98	75-125	17
Cadmium	mg/kg (ppm)	10	<1	80	88	75-125	10
Chromium	mg/kg (ppm)	50	15.9	80	92	75-125	14
Lead	mg/kg (ppm)	50	3.23	80	86	75-125	7
Mercury	mg/kg (ppm)	5	<1	74 vo	85	75-125	14
Selenium	mg/kg (ppm)	5	<1	73 vo	84	75-125	14
Silver	mg/kg (ppm)	10	<1	74 vo	82	75-125	10

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	86	80-120
Barium	mg/kg (ppm)	50	94	80-120
Cadmium	mg/kg (ppm)	10	93	80-120
Chromium	mg/kg (ppm)	50	96	80-120
Lead	mg/kg (ppm)	50	98	80-120
Mercury	mg/kg (ppm)	5	95	80-120
Selenium	mg/kg (ppm)	5	93	80-120
Silver	mg/kg (ppm)	10	92	80-120

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.



Fremont
Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Friedman & Bruya
Michael Erdahl
3012 16th Ave. W.
Seattle, WA 98119

RE: 706044
Work Order Number: 1707157

July 25, 2017

Attention Michael Erdahl:

Fremont Analytical, Inc. received 1 sample(s) on 7/18/2017 for the analyses presented in the following report.

Flashpoint by EPA 1010/ASTM D93

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

DoD/ELAP Certification #L17-135, ISO/IEC 17025:2005
ORELAP Certification: WA 100009-007 (NELAP Recognized)

CLIENT: Friedman & Bruya
Project: 706044
Work Order: 1707157

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1707157-001	IN 16'	06/02/2017 10:30 AM	07/18/2017 12:15 PM

CLIENT: Friedman & Bruya**Project:** 706044

WorkOrder Narrative:

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Friedman & Bruya

Collection Date: 6/2/2017 10:30:00 AM

Project: 706044

Lab ID: 1707157-001

Matrix: Soil

Client Sample ID: IN 16'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Flashpoint by EPA 1010/ASTM D93

Batch ID: R37513 Analyst: AB

Flashpoint	140		H	°F	1	7/20/2017 5:09:05 PM
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Work Order: 1707157
CLIENT: Friedman & Bruya
Project: 706044

QC SUMMARY REPORT
Flashpoint by EPA 1010/ASTM D93

Sample ID	LCS-R37513	SampType: LCS		Units: °F		Prep Date: 7/20/2017			RunNo: 37513		
Client ID:	LCSW	Batch ID: R37513		Analysis Date: 7/20/2017			SeqNo: 721021				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Flashpoint	151		152.0	0	99.2	65	135				

Client Name: **FB**
 Logged by: **Clare Griggs**

Work Order Number: **1707157**
 Date Received: **7/18/2017 12:15:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐
 4. Shipping container/cooler in good condition? Yes ☒ No ☐
 5. Custody Seals present on shipping container/cooler?
 (Refer to comments for Custody Seals not intact) Yes ☐ No ☐ Not Required ☒
 6. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
 7. Were all items received at a temperature of >0°C to 10.0°C* Yes ☐ No ☒ NA ☐
Please refer to item information.
 8. Sample(s) in proper container(s)? Yes ☒ No ☐
 9. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
 10. Are samples properly preserved? Yes ☒ No ☐
 11. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
 12. Is there headspace in the VOA vials? Yes ☐ No ☐ NA ☒
 13. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
 14. Does paperwork match bottle labels? Yes ☒ No ☐
 15. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
 16. Is it clear what analyses were requested? Yes ☒ No ☐
 17. Were all holding times able to be met? Yes ☐ No ☒

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: Date
 By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
 Regarding:
 Client Instructions:

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler	10.6
Sample	10.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

1707157

of _____

Phone # (206) 285-8282 Fax # (206) 283-5044

TURNAROUND TIME

☐ Standard (2 Weeks)

~~ERUSH~~ 7/25/17

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

Page 8 of 8

[illegible]

702

of

#01

INVOICE TO

cc: Dana Hopper dhopper@cdwblueservices.com

TURNAROUND TIME
<input type="checkbox"/> Standard Turnaround <input checked="" type="checkbox"/> RUSH <u>What per 08/10/17</u>
Rush charges authorized by: <u>me</u>
SAMPLE DISPOSAL
<input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Archive Samples <input type="checkbox"/> Other _____

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM	RCRA 8	Flashpoint	HC	
BUT 15' (2 jars)	01AB	6/2/17	10:30	Soil	2											X-per DB 7/17/17 m4
IN 12'	02	6/2/17	10:30	Soil	1											6/6/17 M4/14
IN 16'	03	6/2/17	10:30	Soil	1											* canceled
																per DB
																6/6/17
																M4/14
																Samples received at 22 °C

DATE	TIME
------	------

2/17	1:30
------	------

12/17/30

Abstract

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

August 3, 2017

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on July 27, 2017 from the Farwest UST, F&BI 707377 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0803R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 27, 2017 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 707377 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Co., LLC</u>
707377 -01	4A
707377 -02	4B
707377 -03	4C
707377 -04	20A
707377 -05	20B
707377 -06	20C

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/03/17

Date Received: 07/27/17

Project: Farwest UST, F&BI 707377

Date Extracted: 08/01/17

Date Analyzed: 08/01/17

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR pH
USING EPA METHOD 9045D**

<u>Sample ID</u> Laboratory ID	<u>pH</u>
4A 707377-01	7.06
4B 707377-02	12.4 ve
4C 707377-03	8.99
20A 707377-04	7.22
20B 707377-05	12.4 ve
20C 707377-06	7.65

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/03/17
Date Received: 07/27/17
Project: Farwest UST, F&BI 707377
Date Extracted: 07/27/17
Date Analyzed: 07/27/17

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 53-144)
4A 707377-01	210	78
4B 707377-02	<50	88
4C 707377-03	70	83
20A 707377-04	99	79
20B 707377-05	<50	78
20C 707377-06	<50	91
Method Blank 07-1575 MB2	<50	79

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/03/17

Date Received: 07/27/17

Project: Farwest UST, F&BI 707377

**QUALITY ASSURANCE RESULTS
FROM THE ANALYSIS OF SOIL
SAMPLES FOR pH BY METHOD 9045D**

Laboratory Code: 707377-06 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
pH	7.65	7.49	2	0-20

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/03/17

Date Received: 07/27/17

Project: Farwest UST, F&BI 707377

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-**

Laboratory Code: 707283-21 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	mg/kg (ppm)	5,000	<50	94	90	50-150	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Stoddard Solvent	mg/kg (ppm)	5,000	92	70-130

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

704

☐ Return samples

SAMPLE DISPOSAL

- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

[illegible]

Friedman & Bruga, Inc.
3012 16th Avenue West
Seattle, WA 98119-2039
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

Samples received at 27°C

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

April 24, 2018

Duane Bartel, Project Manager
Tenor Company
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on April 17, 2018 from the Farwest UST, F&BI 804276 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0424R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 17, 2018 by Friedman & Bruya, Inc. from the Tenor Company Farwest UST, F&BI 804276 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Company</u>
804276 -01	North Well
804276 -02	East Well
804276 -03	Yard Well

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/18
Date Received: 04/17/18
Project: Farwest UST, F&BI 804276
Date Extracted: 04/19/18
Date Analyzed: 04/19/18

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
North Well 804276-01	260	80
East Well 804276-02	<250	82
Yard Well 804276-03	4,000	83
Method Blank 08-829 MB	<250	82

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/18

Date Received: 04/17/18

Project: Farwest UST, F&BI 804276

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	88	88	60-130	0

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

comcast.net

SAMPLE CHAIN OF CUSTODY

ME 04/17/18

603

Send Report To dunnesadventures229@gmail.com

Company Terra Company LLC

Address 1313 Washington Ct,

City, State, ZIP Seattle, WA 98390

Phone # 206-321-5565 Fax # None

SAMPLERS (signature)	
PROJECT NAME/NO.	PO #
Fairview UST	1
REMARKS	

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)

☐ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

[illegible]

Friedman & Bruyo, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

Samples received at 10°C

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

May 1, 2018

Duane Bartel, Project Manager
Tenor Company
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on April 26, 2018 from the Farwest UST, F&BI 804464 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0501R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 26, 2018 by Friedman & Bruya, Inc. from the Tenor Company Farwest UST, F&BI 804464 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Tenor Company</u>
804464 -01	A
804464 -02	B
804464 -03	1
804464 -04	2
804464 -05	3
804464 -06	4
804464 -07	5
804464 -08	6
804464 -09	7
804464 -10	8

The Stoddard solvent concentration in sample 4 exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/01/18
Date Received: 04/26/18
Project: Farwest UST, F&BI 804464
Date Extracted: 04/27/18
Date Analyzed: 04/27/18

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Stoddard Solvent Range</u> (C ₈ -C ₁₁)	<u>Surrogate</u> (% Recovery) (Limit 51-134)
A 804464-01	3,500	88
B 804464-02	2,400	87
1 804464-03	9,500	86
2 804464-04	7,000	93
4 804464-06	220,000 ve	84
5 804464-07	61,000	85
6 804464-08	4,200	88
7 804464-09	20,000	83
8 804464-10	5,100	82
Method Blank 08-943 MB	<250	75

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/01/18

Date Received: 04/26/18

Project: Farwest UST, F&BI 804464

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Stoddard Solvent	ug/L (ppb)	2,500	88	96	60-130	9

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

POS

Adventures 2296 @

10

City, State, ZIP Sumner, WA. 98391

Phone # 206-321-5565 Fax # None

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

Page # _____ of _____

TURNAROUND TIME

☒ Standard (2 weeks)

☐ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL

☒ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

| Sample ID | Lab ID | Date | Time | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | Notes | |
|-----------|--------|---------|------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|-------|---------------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | |
| A | 01 | 4/25/18 | 3 PM | water | 1 | | | | | | | ✓ | Hold per DE 5/11/18
Notes ML |
| B | 02 | | | | | | | | | | | ✓ | mineral spirit |
| 1 | 03 | | | | | | | | | | | (X) | |
| 2 | 04 | | | | | | | | | | | | |
| 3 | 05 | | | | | | | | | | | | |
| 4 | 06 | | | | | | | | | | | | |
| 5 | 07 | | | | | | | | | | | | |
| 6 | 08 | | | | | | | | | | | | |
| 7 | 09 | | | | | | | | | | | ✓ | |
| 8 | 10 | 4/25/18 | 3 PM | water | 1 | | | | | | | ✓ | mineral spirit |

| PRINT NAME | COMPANY | DATE | TIME |
|------------|---------|------|------|
| | | | |

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044
FORMS\COC\COCC.DOC

Samples received at 10⁰⁰

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

May 14, 2018

Duane Bartel, Project Manager
Tenor Company
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on May 9, 2018 from the Water Test, F&BI 805147 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0514R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 9, 2018 by Friedman & Bruya, Inc. from the Tenor Company Water Test, F&BI 805147 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Company</u> |
|----------------------|----------------------|
| 805147 -01 | SED Tank |
| 805147 -02 | Optimum model |
| 805147 -03 | Current System |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/14/18
Date Received: 05/09/18
Project: Water Test, F&BI 805147
Date Extracted: 05/10/18
Date Analyzed: 05/10/18

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| SED Tank
805147-01 | 2,700 | 104 |
| Optimum model
805147-02 | 2,000 | 111 |
| Current System
805147-03 | 1,200 | 105 |
| Method Blank
08-1037 MB | <250 | 102 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/14/18

Date Received: 05/09/18

Project: Water Test, F&BI 805147

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 107 | 105 | 60-130 | 2 |

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

83

Phone # (206)-721-5565 Fax # _____

TURNAROUND TIME
 (Standard (2 weeks)
 W/ RUSH *expedited* Month of turnoff
 Rush charges authorized by:
Don Barker

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Samples received at 19°C

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

June 1, 2018

Duane Bartel,
Tenor Company
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on May 24, 2018 from the Water Test, F&BI 805433 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0601R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 24, 2018 by Friedman & Bruya, Inc. from the Tenor Company Water Test, F&BI 805433 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Company</u> |
|----------------------|----------------------|
| 805433 -01 | 1 |
| 805433 -02 | 2 |
| 805433 -03 | 3 |
| 805433 -04 | 4 |
| 805433 -05 | 5 |
| 805433 -06 | 6 |
| 805433 -07 | 7 |
| 805433 -08 | 8 |
| 805433 -09 | Return |
| 805433 -10 | Inflow |
| 805433 -11 | A52 |
| 805433 -12 | A53 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/18

Date Received: 05/24/18

Project: Water Test, F&BI 805433

Date Extracted: 05/29/18

Date Analyzed: 05/30/18

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| 1
805433-01 | 2,000 | 96 |
| 2
805433-02 | 1,900 | 87 |
| 3
805433-03 | 3,400 | 91 |
| 4
805433-04 | 2,100 | 95 |
| 5
805433-05 | 650 | 94 |
| 6
805433-06 | 470 | 91 |
| 7
805433-07 | 570 | 91 |
| 8
805433-08 | 4,700 | 101 |
| Return
805433-09 | 980 | 85 |
| Inflow
805433-10 | 1,800 | 86 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/18
Date Received: 05/24/18
Project: Water Test, F&BI 805433
Date Extracted: 05/29/18
Date Analyzed: 05/30/18

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| A52
805433-11 | 1,200 | 85 |
| A53
805433-12 | 1,400 | 90 |
| Method Blank
08-1173 MB | 270 | 89 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/18

Date Received: 05/24/18

Project: Water Test, F&BI 805433

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 84 | 92 | 60-130 | 9 |

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

805433

Report to Lucene BabelCompany Tenor Co.Address 1313 Washington St. - ~~Seattle~~ WACity, State, ZIP Sumner, WA 98390Phone (206) 321-5565 Email lucene@tenor.com

SAMPLERS (signature)

PROJECT NAME

PO #

REMARKS

INVOICE TO

TURNAROUND TIME

☒ Standard Turnaround☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☒ Dispose after 30 days☐ Archive Samples☐ Other _____

ANALYSES REQUESTED

Sample ID

Lab ID

Date Sampled

Time Sampled

Sample Type

of Jars

TPH-HCID

TPH-Diesel

TPH-Gasoline

BTEX by 8021B

VOCs by 8260C

SVOCs by 8270D

PAHs 8270D SIM

Notes

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | | | | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|---|--|--|----------------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | | | | |
| 1 | 01 | 5/23/18 | 11:15 AM | Water | 1 | | | | | | | | X | | | * Metal Spills |
| 2 | 02 | | 11:15 AM | | | | | | | | | | X | | | |
| 3 | 03 | | 10:15 AM | | | | | | | | | | X | | | |
| 4 | 04 | | | | | | | | | | | | X | | | |
| 5 | 05 | | | | | | | | | | | | X | | | |
| 6 | 06 | | | | | | | | | | | | X | | | |
| 7 | 07 | | | | | | | | | | | | X | | | |
| 8 | 08 | | | | | | | | | | | | X | | | |
| Return | 09 | | | | | | | | | | | | X | | | |
| Inflow | 10 | | 12:00 PM | | | | | | | | | | X | | | |

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

Steve Babel

Liz W

Tenor Co.

F301

5/24/18 11:05

Samples received at

19th C

Report To: Mine Bethel

THE CITY OF COVINGTON

ME 05-24-10 7 E03

Page # 1 of 2
TURNAROUND TIME

Company Tenor Co.

Address 1313 Washington St.

City, State, ZIP Sumner, WA 98790

Phone (206)-321-5585 Email dluane.sadventures22@yahoo.com

Don't ask, don't tell

SAMPLERS (signature)

PROJECT NAME

#PO

REMARKS

INVOICE TO

TURNAROUND TIME

☒ Standard Turnaround
☐ RUSH

Rush charges authorized by

SAMPLE DISPOSAL

☒ Dispose after 30 days

Other

ANALYSES REQUESTED

* Minimal Sports

[illegible]

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE

56

Received by:

Reinforced by:

Received by:

PRINT NAME _____

2

Shape Band 1

1200

1

COMPANY

1

Tender (2)

1023

1

DATE

1241

| | |
|---------|--------|
| 5/24/18 | 1:05pm |
|---------|--------|

S/24/18 105

100

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

June 22, 2018

Duane Bartel, Project Manager
Tenor Company
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on June 14, 2018 from the Water Test, F&BI 806260 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
NAA0622R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 14, 2018 by Friedman & Bruya, Inc. from the Tenor Company Water Test, F&BI 806260 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Company</u> |
|----------------------|----------------------|
| 806260 -01 | 2 |
| 806260 -02 | 5 |
| 806260 -03 | 6 |
| 806260 -04 | 7 |
| 806260 -05 | 8 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/22/18
Date Received: 06/14/18
Project: Water Test, F&BI 806260
Date Extracted: 06/19/18
Date Analyzed: 06/19/18

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| 2
806260-01 | 1,500 | 77 |
| 5
806260-02 | 300 | 74 |
| 6
806260-03 | <250 | 73 |
| 7
806260-04 | <250 | 81 |
| 8
806260-05 | 2,900 | 72 |
| Method Blank
08-1323 MB | <250 | 76 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/22/18

Date Received: 06/14/18

Project: Water Test, F&BI 806260

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 72 | 76 | 60-130 | 5 |

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

70

Page # _____ of _____

TURNAROUND TIME

☒ Standard Turnaround
☐ RUSH _____

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Archive Samples

☐ Other _____

ANALYSES REQUESTED

[illegible]

DATE TIME

| | |
|---------|---------|
| 6/11/18 | 2:40 PM |
|---------|---------|

6/14/18 2:40 pm

Samples received at 18 °C

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

August 27, 2018

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on August 20, 2018 from the Farwest UST, F&BI 808451 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
TNR0827R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 20, 2018 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 808451 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 808451 -01 | 5' yard cntr well |
| 808451 -02 | 10' yard cntr well |
| 808451 -03 | 15' yard cntr well |
| 808451 -04 | 20' yard cntr well |
| 808451 -05 | 25' yard cntr well |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/27/18
Date Received: 08/20/18
Project: Farwest UST, F&BI 808451
Date Extracted: 08/21/18
Date Analyzed: 08/21/18

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| 5' yard cntr well
808451-01 | <50 | 77 |
| 10' yard cntr well
808451-02 | <50 | 78 |
| 15' yard cntr well
808451-03 | <50 | 76 |
| 20' yard cntr well
808451-04 | <50 | 76 |
| 25' yard cntr well
808451-05 | <50 | 78 |
| Method Blank
08-1871 MB | <50 | 85 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/27/18

Date Received: 08/20/18

Project: Farwest UST, F&BI 808451

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: 808451-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | <50 | 80 | 86 | 50-150 | 7 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 86 | 60-130 |

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

808451

Comcast.net

SAMPLE CHAIN OF CUSTODY

ME 08-08-18

FO3
E04
E03

Send Report To duanessadventures2296@gmail.com

Company Tenax Company LLC

Address 1313 Washington St.

City, State, ZIP Sumner, WA. 98390

Phone # 206-344-5565 Fax #

SAMPLES (signature)

PROJECT NAME/NO.

Farewest 1A5T

PO #

REMARKS

Page # 1 of 1

TURNAROUND TIME

☒ Standard (2 Weeks)

☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☒ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

ANALYSES REQUESTED

TPH-Diesel
TPH-Gasoline
BTEX by 8021B
VOCs by 8260
SVOCs by 8270

HFS

2 samples

Notes

non. spirits

| Sample ID | Lab ID | Date | Time | Sample Type | # of containers | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | Notes |
|------------------|--------|---------|------|-------------|-----------------|------------|--------------|---------------|--------------|---------------|-----|-------|
| 5' yard ctr well | 01 | 8/16/18 | 2:30 | Dist | 1 | | | | | | | |
| 10' " " | 02 | " | 2:30 | " | 1 | | | | | | | |
| 15' " " | 03 | " | 2:30 | " | 1 | | | | | | | |
| 20' " " | 04 | " | 2:30 | " | 1 | | | | | | | |
| 25' " " | 05 | 8/16/18 | 2:30 | Dist | 1 | | | | | | | |

Samples received at 6 °C

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

COMPANY

DATE

TIME

Friedman & Bruyn, Inc.
3012 16th Avenue West
Seattle, WA 98119-3029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

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

October 22, 2018

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on October 17, 2018 from the Farwest UST, F&BI 810336 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
TNR1022R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 17, 2018 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 810336 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 810336 -01 | 1 |
| 810336 -02 | 2 |
| 810336 -03 | 3 |
| 810336 -04 | 4 |
| 810336 -05 | 5 |
| 810336 -06 | 6 |
| 810336 -07 | 7 |
| 810336 -08 | 8 |
| 810336 -09 | 9 |
| 810336 -10 | 10 |
| 810336 -11 | Inflow |
| 810336 -12 | Return |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/22/18
Date Received: 10/17/18
Project: Farwest UST, F&BI 810336
Date Extracted: 10/18/18
Date Analyzed: 10/18/18

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| 1
810336-01 | 5,300 | 80 |
| 2
810336-02 | 10,000 | 71 |
| 3
810336-03 | 6,700 | 89 |
| 4
810336-04 | 12,000 | 81 |
| 5
810336-05 | 11,000 | 81 |
| 6
810336-06 | 2,000 | 87 |
| 7
810336-07 | 470 | 95 |
| 8
810336-08 | 3,900 | 72 |
| 9
810336-09 | 1,700 | 89 |
| 10
810336-10 | 4,700 | 81 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/22/18
Date Received: 10/17/18
Project: Farwest UST, F&BI 810336
Date Extracted: 10/18/18
Date Analyzed: 10/18/18

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x
Results Reported as ug/L (ppb)**

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| Inflow
810336-11 | 7,100 | 85 |
| Return
810336-12 | 5,200 | 83 |
| Method Blank
08-2351 MB | <50 | 90 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/22/18

Date Received: 10/17/18

Project: Farwest UST, F&BI 810336

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 80 | 76 | 60-130 | 5 |

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

SAMPLE CHAIN OF CUSTODY

ME 10/17/18

Report # 810336
June Borel

Company Tenor Co.

Address 1313 Washington St.

City, State, ZIP Sumner, WA, 98350

Phone (206)-321-5865 Email adum@adumhwy.com

SAMPLERS (signature)

PROJECT NAME

Foster USF

PO #

REMARKS

INVOICE TO

Page # 1 of 2 E04

TURNAROUND TIME

☒ Standard Turnaround
☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☒ Dispose after 30 days
☐ Archive Samples
☐ Other _____

ANALYSES REQUESTED

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|----------|------------|--------------|---------------|---------------|----------------|----------------|----------------|
| 1 | 01 | 10/17/18 | 10:30AM | Water | 1 | | | | | | | | *M mixed split |
| 2 | 02 | | | | | | | | | | | | |
| 3 | 03 | | | | | | | | | | | | |
| 4 | 04 | | | | | | | | | | | | |
| 5 | 05 | | | | | | | | | | | | |
| 6 | 06 | | | | | | | | | | | | |
| 7 | 07 | | | | | | | | | | | | |
| 8 | 08 | | | | | | | | | | | | |
| 9 | 09 | | | | | | | | | | | | |
| 10 | 10 | | | | | | | | | | | | |

SIGNATURE

Relinquished by:

Received by:

PRINT NAME

Relinquished by:

Received by:

COMPANY

Relinquished by:

Received by:

DATE

Relinquished by:

Received by:

TIME

Relinquished by:

Received by:

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Samples received at 18°C

ME 10/17/18

Page # 4 of 1

2 of 2

Robert Brown

Teach Co.

1313 Washington St

Summer / WD, 98390

7-321-565
Email

| | | |
|----------------------|------------|---|
| SAMPLERS (signature) | | Page # <u>2</u> of <u>2</u> |
| PROJECT NAME | PO # | TURNAROUND TIME
<u>704</u> |
| REMARKS | INVOICE TO | |
| <u>Frost N57</u> | | <input checked="" type="checkbox"/> Standard Turnaround
<input type="checkbox"/> RUSH |
| | | Rush charges authorized by: _____ |
| | | SAMPLE DISPOSAL
<input type="checkbox"/> Dispose after 30 days
<input type="checkbox"/> Archive Samples
<input type="checkbox"/> Other _____ |

[illegible]

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

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------------------------|-------------|-----------|---------|-------|
| Reinquished by: <i>[Signature]</i> | Skype Bate | Tenor Co. | 10/7/18 | 12:00 |
| Received by: <i>[Signature]</i> | Ismael Bate | F4 B | 10/7 | 1300 |
| Reinquished by: | | | | |
| Received by: | | | | |

Samples received at 18°C

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

November 9, 2018

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on November 6, 2018 from the Farwest UST, F&BI 811093 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
TNR1109R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 6, 2018 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 811093 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 811093 -01 | Inflow |
| 811093 -02 | 4 |
| 811093 -03 | 1 |
| 811093 -04 | 9 |
| 811093 -05 | Return |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/09/18
Date Received: 11/06/18
Project: Farwest UST, F&BI 811093
Date Extracted: 11/07/18
Date Analyzed: 11/07/18

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x
Results Reported as ug/L (ppb)**

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| Inflow
811093-01 | 7,700 | 78 |
| 4
811093-02 | 7,500 | 84 |
| 1
811093-03 | 6,200 | 71 |
| 9
811093-04 | 6,700 | 72 |
| Return
811093-05 | 4,200 | 84 |
| Method Blank
08-2557 MB | <50 | 83 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/09/18

Date Received: 11/06/18

Project: Farwest UST, F&BI 811093

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 108 | 108 | 60-130 | 0 |

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

BOS

☐ Will call with instructions

Finest US9

Notes

Samples received at 17°C

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

November 28, 2018

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on November 19, 2018 from the Farwest UST, F&BI 811326 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
TNR1128R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 19, 2018 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 811326 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 811326 -01 | 1 |
| 811326 -02 | 4 |
| 811326 -03 | 10 |
| 811326 -04 | Inflow |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/28/18
Date Received: 11/19/18
Project: Farwest UST, F&BI 811326
Date Extracted: 11/26/18
Date Analyzed: 11/26/18

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| 1
811326-01 | 11,000 | 93 |
| 4
811326-02 | 12,000 | 91 |
| 10
811326-03 | 5,200 | 101 |
| Inflow
811326-04 | 7,000 | 87 |
| Method Blank
08-2658 MB | <50 | 93 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/28/18

Date Received: 11/19/18

Project: Farwest UST, F&BI 811326

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 92 | 92 | 60-130 | 0 |

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

55

100

1000

La Monarchie



ANALYSES REQUESTED

* Members Scribb

[illegible]

Ph. (206) 285-8282

TIME

1000

1000

100

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

January 9, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on January 4, 2019 from the Farwest UST, F&BI 901039 project. There are 5 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
TNR0109R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 4, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 901039 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 901039 -01 | 1 |
| 901039 -02 | 2 |
| 901039 -03 | 3 |
| 901039 -04 | 4 |
| 901039 -05 | 5 |
| 901039 -06 | 6 |
| 901039 -07 | 7 |
| 901039 -08 | 8 |
| 901039 -09 | 9 |
| 901039 -10 | 10 |
| 901039 -11 | R1 |
| 901039 -12 | R1-C |
| 901039 -13 | R2 |
| 901039 -14 | Inflow |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/09/19

Date Received: 01/04/19

Project: Farwest UST, F&BI 901039

Date Extracted: 01/07/19

Date Analyzed: 01/07/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| 1
901039-01 | 6,000 | 85 |
| 2
901039-02 | 19,000 | 69 |
| 3
901039-03 | 10,000 | 88 |
| 4
901039-04 | 8,800 | 76 |
| 5
901039-05 | 1,800 | 110 |
| 6
901039-06 | 1,600 | 83 |
| 7
901039-07 | 2,100 | 88 |
| 8
901039-08 | 13,000 | 81 |
| 9
901039-09 | 3,900 | 76 |
| 10
901039-10 | 2,300 | 95 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/09/19
Date Received: 01/04/19
Project: Farwest UST, F&BI 901039
Date Extracted: 01/07/19
Date Analyzed: 01/07/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
(% Recovery)
(Limit 51-134) |
|-----------------------------------|---|--|
| R1
901039-11 | 2,600 | 67 |
| R1-C
901039-12 | 1,900 | 71 |
| R2
901039-13 | 1,600 | 71 |
| Inflow
901039-14 | 8,400 | 88 |
| Method Blank
09-062 MB | <50 | 106 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/09/19

Date Received: 01/04/19

Project: Farwest UST, F&BI 901039

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 104 | 104 | 60-130 | 0 |

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.

901039

SAMPLE CHAIN OF CUSTODY

ME

01/04/19

2 of 2

Report To Jane Bortel
 Company Terra Co.
 Address 1313 Washington St
 City, State, ZIP Sumner, WA, 98340
 Phone (206)-321-5565 Email jane@terra.com

| | | |
|--|--|------------------|
| SAMPLERS (signature) <u>Steve Bortel</u> | | PO # <u>1157</u> |
| PROJECT NAME <u>Forest MSY</u> | | INVOICE TO |
| REMARKS | | |

| | |
|---|-----------------------------|
| TURNAROUND TIME | Page # <u>1</u> of <u>2</u> |
| <input checked="" type="checkbox"/> Standard Turnaround | |
| <input type="checkbox"/> RUSH | |
| Rush charges authorized by: _____ | |
| SAMPLE DISPOSAL | |
| <input checked="" type="checkbox"/> Dispose after 30 days | |
| <input type="checkbox"/> Archive Samples | |
| <input type="checkbox"/> Other _____ | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-----------------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| 1 | 01 | 1-4-19 | 11:20 AM | Water | 1 | | | | | | | | * Mineral Spots |
| 2 | 02 | | | | | | | | | | | | |
| 3 | 03 | | | | | | | | | | | | |
| 4 | 04 | | | | | | | | | | | | |
| 5 | 05 | | | | | | | | | | | | |
| 6 | 06 | | | | | | | | | | | | |
| 7 | 07 | | | | | | | | | | | | |
| 8 | 08 | | | | | | | | | | | | |
| 9 | 09 | | | | | | | | | | | | |
| 10 | 10 | | | | | | | | | | | | |

| | | | | | | | | | |
|--------------------------------------|--|--------------|--|---------------------|--|--------|--|----------|--|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | | TIME | |
| Relinquished by: <u>Steve Bortel</u> | | Steve Bortel | | Terra Co. | | 1-4-19 | | 12:35 PM | |
| Received by: <u>Melvin Pham</u> | | Mhuan Pham | | Terra Co. | | 1-4-19 | | 12:35 | |
| Relinquished by: | | | | | | | | | |
| Received by: | | | | | | | | | |
| Received by: | | | | Samples received at | | 15 °C | | | |

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

204

Phone 200-21-5555 Email chonesc@earthlink.net

Comcast

204

☐ Archive Samples:

* Moral Spindle

[illegible]

Ph. (206) 285-8282

TIME

12-21

33

[illegible]

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

February 6, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on January 31, 2019 from the Farwest UST, F&BI 901426 project. There are 5 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
TNR0206R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 31, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 901426 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 901426 -01 | 1 |
| 901426 -02 | 2 |
| 901426 -03 | 3 |
| 901426 -04 | 4 |
| 901426 -05 | 5 |
| 901426 -06 | 6 |
| 901426 -07 | 7 |
| 901426 -08 | 8 |
| 901426 -09 | 9 |
| 901426 -10 | 10 |
| 901426 -11 | Inflow |
| 901426 -12 | Return |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/19

Date Received: 01/31/19

Project: Farwest UST, F&BI 901426

Date Extracted: 02/01/19

Date Analyzed: 02/01/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| 1
901426-01 | 1,600 | 99 |
| 2
901426-02 | 5,300 | 97 |
| 3
901426-03 | 3,800 | 92 |
| 4
901426-04 | 2,300 | 80 |
| 5
901426-05 | 260 | 103 |
| 6
901426-06 | 550 | 100 |
| 7
901426-07 | 1,700 | 77 |
| 8
901426-08 | 12,000 | 87 |
| 9
901426-09 | 1,100 | 94 |
| 10
901426-10 | 3,100 | 93 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/19
Date Received: 01/31/19
Project: Farwest UST, F&BI 901426
Date Extracted: 02/01/19
Date Analyzed: 02/01/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x
Results Reported as ug/L (ppb)**

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| Inflow
901426-11 | 2,000 | 78 |
| Return
901426-12 | 2,900 | 89 |
| Method Blank
09-252 MB2 | <50 | 80 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/19

Date Received: 01/31/19

Project: Farwest UST, F&BI 901426

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 95 | 99 | 58-134 | 4 |

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.

901426

SAMPLE CHAIN OF CUSTODY

ME 01-31-17

604

Report To Duane BartelCompany Tenor Co.Address 1313 Washington St.City, State, ZIP Seattle, WA, 98109Phone (206)-321-5565 Email duane@tenorco.comConsolidatedSAMPLERS (signature) Duane Bartel

PROJECT NAME

PO #

Forest 459

REMARKS

INVOICE TO

Page # 1 of 2

TURNAROUND TIME

☒ Standard Turnaround☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☒ Dispose after 30 days☐ Archive Samples☐ Other _____

ANALYSES REQUESTED

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | | | | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|------------|--|--|---------------------------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | Standard * | | | |
| 1 | 01 | 1-21-15 | 11:30AM | Water | 1 | | | | | | | | | | | - Rush TAT 2 days 2/11/16 |
| 2 | 02 | | | | | | | | | | | | | | | |
| 3 | 03 | | | | | | | | | | | | | | | |
| 4 | 04 | | | | | | | | | | | | | | | |
| 5 | 05 | | | | | | | | | | | | | | | |
| 6 | 06 | | | | | | | | | | | | | | | |
| 7 | 07 | | | | | | | | | | | | | | | |
| 8 | 08 | | | | | | | | | | | | | | | - Rush TAT 2 days 2/11/15 |
| 9 | 09 | | | | | | | | | | | | | | | |
| 10 | 10 | | | | | | | | | | | | | | | |

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Relinquished by: Duane BartelReceived by: MM/ML/MS

Relinquished by: _____

Received by: _____

Steve BartelNKron PhamDuane Co.F&B1-31-141:00 PM1:00 PM1:00 PM

Samples received at

15 °C

SAMPLE CHAIN OF CUSTODY

2 2 Boy

Phone 206-7321-5565 Email duresad@rentline.com

Comedy chef

| | | | | | | | |
|----------------------|--|------------|--|---|---|----|---|
| SAMPLERS (signature) | | W E C-3-14 | | Page # | 2 | of | 2 |
| PROJECT NAME | | PO # | | TURNAROUND TIME | | | |
| Fanned V57 | | | | <input checked="" type="checkbox"/> Standard Turnaround
<input type="checkbox"/> RUSH
Rush charges authorized by: | | | |
| REMARKS | | INVOICE TO | | SAMPLE DISPOSAL | | | |
| | | | | <input checked="" type="checkbox"/> Dispose after 30 days
<input type="checkbox"/> Archive Samples
<input type="checkbox"/> Other | | | |

[illegible]

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

February 22, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on February 18, 2019 from the Farwest UST, F&BI 902233 project. There are 11 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
TNR0222R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 18, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 902233 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 902233 -01 | 5' |
| 902233 -02 | 10' |
| 902233 -03 | 15' |
| 902233 -04 | 20' |
| 902233 -05 | 25' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | 5' | Client: | Tenor Co., LLC |
| Date Received: | 02/18/19 | Project: | Farwest UST, F&BI 902233 |
| Date Extracted: | 02/20/19 | Lab ID: | 902233-01 |
| Date Analyzed: | 02/20/19 | Data File: | 902233-01.054 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 14.8 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | 10' | Client: | Tenor Co., LLC |
| Date Received: | 02/18/19 | Project: | Farwest UST, F&BI 902233 |
| Date Extracted: | 02/20/19 | Lab ID: | 902233-02 |
| Date Analyzed: | 02/20/19 | Data File: | 902233-02.055 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 1.33 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | 15' | Client: | Tenor Co., LLC |
| Date Received: | 02/18/19 | Project: | Farwest UST, F&BI 902233 |
| Date Extracted: | 02/20/19 | Lab ID: | 902233-03 |
| Date Analyzed: | 02/20/19 | Data File: | 902233-03.058 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 2.71 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | 20' | Client: | Tenor Co., LLC |
| Date Received: | 02/18/19 | Project: | Farwest UST, F&BI 902233 |
| Date Extracted: | 02/20/19 | Lab ID: | 902233-04 |
| Date Analyzed: | 02/20/19 | Data File: | 902233-04.059 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 1.49 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | 25' | Client: | Tenor Co., LLC |
| Date Received: | 02/18/19 | Project: | Farwest UST, F&BI 902233 |
| Date Extracted: | 02/20/19 | Lab ID: | 902233-05 |
| Date Analyzed: | 02/20/19 | Data File: | 902233-05.060 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 1.78 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | Method Blank | Client: | Tenor Co., LLC |
| Date Received: | Not Applicable | Project: | Farwest UST, F&BI 902233 |
| Date Extracted: | 02/20/19 | Lab ID: | I9-113 mb |
| Date Analyzed: | 02/20/19 | Data File: | I9-113 mb.047 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|----|
| Lead | <1 |
|------|----|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/22/19
Date Received: 02/18/19
Project: Farwest UST, F&BI 902233
Date Extracted: 02/19/19
Date Analyzed: 02/19/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| 5'
902233-01 | 1,200 | 92 |
| 10'
902233-02 | 1,400 | 92 |
| 15'
902233-03 | <50 | 91 |
| 20'
902233-04 | <50 | 93 |
| 25'
902233-05 | <50 | 82 |
| Method Blank
09-382 MB | <50 | 92 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/22/19

Date Received: 02/18/19

Project: Farwest UST, F&BI 902233

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

Laboratory Code: 902251-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|---------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Lead | mg/kg (ppm) | 50 | 6.81 | 91 | 91 | 75-125 | 0 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|---------|--------------------|----------------|----------------------------|------------------------|
| Lead | mg/kg (ppm) | 50 | 102 | 80-120 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/22/19

Date Received: 02/18/19

Project: Farwest UST, F&BI 902233

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 902233-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 1,000 | 117 b | 94 b | 50-150 | 22 b |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 96 | 60-130 |

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.

B13

Page # _____ of _____
TURNAROUND TIME

PO#

☒ Standard Turnaround
☐ RUSH _____
Rush charges authorize

INVOICE TO

8

SAMPLE DISPOSAL
☒ Dispose after 30 days ✓
☐ Archive Samples
 Worker ~~XXXXXX~~

| ANALYSES REQUESTED | | | | | | | Notes |
|---------------------------|--------|--------------|--------------|-------------|-----------|----------------|----------------------|
| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | | |
| 5' | 01 | 2/18/19 | 9:30AM | Soil | 1 | TPH-HCID | #Mirel Spill
Lead |
| 10' | 02 | 2/18/19 | 9:40AM | Soil | 1 | TPH-Diesel | |
| 15' | 03 | 2/18/19 | 9:45AM | Soil | 1 | TPH-Gasoline | |
| 20' | 04 | 2/18/19 | 9:50AM | Soil | 1 | BTEX by 8021B | |
| 25' | 05 | 2/18/19 | 9:55AM | Soil | 1 | VOCs by 8260C | |
| | | | | | | SVOCs by 8270D | |
| | | | | | | PAHs 8270D SIM | |
| | | | | | | Standard * | |
| | | | | | | Lead | |
| Samples received at 12:00 | | | | | | | |

Ph. (206) 285-8282

| | | | | |
|--------------|--|--|--|--|
| Received by: | | | | |
|--------------|--|--|--|--|

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

March 7, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on February 25, 2019 from the Farwest UST, F&BI 902351 project. There are 4 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
TNR0307R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 25, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 902351 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
902351 -01

Tenor Co., LLC
8

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/07/19

Date Received: 02/25/19

Project: Farwest UST, F&BI 902351

Date Extracted: 03/05/19

Date Analyzed: 03/05/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported as ug/L (ppb)

| <u>Sample ID</u> | <u>Stoddard Solvent Range</u> | <u>Surrogate</u> |
|------------------|------------------------------------|------------------|
| Laboratory ID | (C ₈ -C ₁₁) | (% Recovery) |
| | | (Limit 51-134) |
| 8 | 12,000 | 84 |
| 902351-01 1/1.2 | | |
| Method Blank | <60 | 104 |
| 09-462 MB 1/1.2 | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/07/19

Date Received: 02/25/19

Project: Farwest UST, F&BI 902351

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 3,000 | 82 | 94 | 60-130 | 14 |

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.

102

TURNAROUND TIME

☒ Standard Turnaround
☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL
~~ED~~Dispose after 30 days

☐ Archive Samples

☐ Other _____

[illegible]

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

April 3, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on March 29, 2019 from the Farwest UST, F&BI 903564 project. There are 5 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
TNR0403R.doc

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 29, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 903564 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 903564 -01 | 1 |
| 903564 -02 | 2 |
| 903564 -03 | 3 |
| 903564 -04 | 4 |
| 903564 -05 | 5 |
| 903564 -06 | 6 |
| 903564 -07 | 7 |
| 903564 -08 | 8 |
| 903564 -09 | 9 |
| 903564 -10 | 10 |
| 903564 -11 | 11 |
| 903564 -12 | 12 |
| 903564 -13 | Inflow |
| 903564 -14 | Return |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/03/19
Date Received: 03/29/19
Project: Farwest UST, F&BI 903564
Date Extracted: 03/29/19
Date Analyzed: 03/29/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| 1
903564-01 | 660 | 95 |
| 2
903564-02 | 12,000 | 92 |
| 3
903564-03 | 1,300 | 108 |
| 4
903564-04 | 6,600 | 103 |
| 5
903564-05 | 1,100 | 92 |
| 6
903564-06 | 360 | 100 |
| 7
903564-07 | 2,200 | 105 |
| 8
903564-08 | 1,900 | 107 |
| 9
903564-09 | 690 | 92 |
| 10
903564-10 | 910 | 101 |
| 11
903564-11 | 880 | 74 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/03/19
Date Received: 03/29/19
Project: Farwest UST, F&BI 903564
Date Extracted: 03/29/19
Date Analyzed: 03/29/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| 12
903564-12 | 2,400 | 101 |
| Inflow
903564-13 | 990 | 87 |
| Return
903564-14 | 1,000 | 85 |
| Method Blank
09-696 MB | <50 | 93 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/03/19

Date Received: 03/29/19

Project: Farwest UST, F&BI 903564

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 92 | 84 | 60-130 | 9 |

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.

SAMPLE CHAIN OF CUSTODY

ME 03/29/19

Page # 1 of 2 405

903564
Report to Duane Barte

Company Tord Co

Address 1313 Washington St.

City, State, ZIP Sumner WA, 98390

Phone (206)-121-5560 Email duane.barte@tord.com

| | | |
|---|--|------------|
| SAMPLERS (signature) <i>Steve Smith</i> | | PO # |
| PROJECT NAME
Forest US | | INVOICE TO |
| REMARKS | | |

| | |
|---|--|
| TURNAROUND TIME | |
| <input checked="" type="checkbox"/> Standard Turnaround | <input type="checkbox"/> RUSH |
| Rush charges authorized by: | |
| SAMPLE DISPOSAL | |
| <input checked="" type="checkbox"/> Dispose after 30 days | <input type="checkbox"/> Archive Samples |
| <input type="checkbox"/> Other | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | | Notes | | |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-------------------|-------|--|--|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | * Mineral Spirits | | | |
| 1 | 01 | 3/25/19 | 10:00AM | Water | 1 | | | | | | | | | | | |
| 2 | 02 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | |
| 3 | 03 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | |
| 4 | 04 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | |
| 5 | 05 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | |
| 6 | 06 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | |
| 7 | 07 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | |
| 8 | 08 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | |
| 9 | 09 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | |
| 10 | 10 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | |
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Samples received at 15 °C

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|-------------------------------------|--|-------------|--|---------|--|---------|--|---------|--|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | | TIME | |
| Relinquished by: <i>Steve Smith</i> | | Steve Barte | | Tord Co | | 3/29/19 | | 11:10AM | |
| Received by: <i>mhymr</i> | | Alan Barte | | FRST | | 3/29/19 | | 11:10 | |
| Relinquished by: | | | | | | | | | |
| Received by: | | | | | | | | | |

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

Page # 2 of 2 1105

1. COUNTR/ROUND TIME _____

☐ Standard Turnaround

☐ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Archive Samples

☐ Other _____

[illegible]

| SIGNATURE | | PRINT NAME | COMPANY | DATE | TIME |
|------------------|--------------------|-------------|----------|---------|---------|
| Relinquished by: | <i>[Signature]</i> | Steve Bader | Tenor Co | 3/29/19 | 11:00am |
| Received by: | <i>[Signature]</i> | Urban Plan | FuBT | 3/29/19 | 11:10 |
| Relinquished by: | | | | | |
| Received by: | | | | | |

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

May 8, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on April 29, 2019 from the Farwest UST, F&BI 904561 project. There are 5 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
TNR0508R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 29, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 904561 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 904561 -01 | 1 |
| 904561 -02 | 2 |
| 904561 -03 | 3 |
| 904561 -04 | 4 |
| 904561 -05 | 5 |
| 904561 -06 | 6 |
| 904561 -07 | 7 |
| 904561 -08 | 8 |
| 904561 -09 | 9 |
| 904561 -10 | 10 |
| 904561 -11 | 11 |
| 904561 -12 | 12 |
| 904561 -13 | Return |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/08/19

Date Received: 04/29/19

Project: Farwest UST, F&BI 904561

Date Extracted: 05/06/19

Date Analyzed: 05/06/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x
Results Reported as ug/L (ppb)**

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| 1
904561-01 | 260 | 128 |
| 2
904561-02 | 1,400 | 121 |
| 3
904561-03 | 410 | 115 |
| 4
904561-04 | 380 | 118 |
| 5
904561-05 | 430 | 120 |
| 6
904561-06 | 310 | 108 |
| 7
904561-07 | 560 | 111 |
| 8
904561-08 | 800 | 128 |
| 9
904561-09 | 82 | 132 |
| 10
904561-10 | 560 | 129 |
| 11
904561-11 | 670 | ip |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/08/19

Date Received: 04/29/19

Project: Farwest UST, F&BI 904561

Date Extracted: 05/06/19

Date Analyzed: 05/06/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS**

**AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| 12
904561-12 | 480 | ip |
| Return
904561-13 | 510 | 118 |
| Method Blank
09-1038 MB | <50 | 115 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/08/19

Date Received: 04/29/19

Project: Farwest UST, F&BI 904561

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 126 | 122 | 60-130 | 3 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

SAMPLE CHAIN OF CUSTODY

ME 04-29-19 Page # 1 of 2 COS

904561
Report to Quenebahe
Company Tenar Co.
Address 1313 Washington St.
City, State, ZIP Sumner, WA 98392
Phone (206) 321-5565 Email duane.schwaner@tenar.com

| | | | |
|---|--|------------------------------------|------------------|
| SAMPLERS (signature) <u>[Signature]</u> | | PROJECT NAME
<u>Fernest WSA</u> | PO #
<u>~</u> |
| REMARKS | | INVOICE TO | |

| | |
|--|--|
| TURNAROUND TIME
<input checked="" type="checkbox"/> Standard Turnaround
<input type="checkbox"/> RUSH
Rush charges authorized by: _____ | SAMPLE DISPOSAL
<input checked="" type="checkbox"/> Dispose after 30 days
<input type="checkbox"/> Archive Samples
<input type="checkbox"/> Other _____ |
|--|--|

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-------------------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| 1 | 61 | 4/29/19 | 11:00am | Water | 1 | | | | | | | | * Mineral spirits |
| 2 | 02 | | | | | | | | | | | | |
| 3 | 03 | | | | | | | | | | | | |
| 4 | 04 | | | | | | | | | | | | |
| 5 | 05 | | | | | | | | | | | | |
| 6 | 06 | | | | | | | | | | | | |
| 7 | 07 | | | | | | | | | | | | |
| 8 | 08 | | | | | | | | | | | | |
| 9 | 09 | | | | | | | | | | | | |
| 10 | 10 | | | | | | | | | | | | |

| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | TIME |
|-------------------------------------|--|-------------------|--|-----------|--|---------|---------|
| Relinquished by: <u>[Signature]</u> | | SKYE BATH | | TENAR CO. | | 4/29/19 | 11:45AM |
| Received by: <u>[Signature]</u> | | Liz Weber - Bruya | | | | 4/29/19 | 11:45 |
| Relinquished by: | | | | | | | |
| Received by: | | | | | | | |

Samples received at 16 °C

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

May 30, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on May 23, 2019 from the Farwest UST, F&BI 905490 project. There are 5 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
TNR0530R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 23, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 905490 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 905490 -01 | NW1 10' |
| 905490 -02 | NW1 15' |
| 905490 -03 | NW1 20' |
| 905490 -04 | NW2 10' |
| 905490 -05 | NW2 15' |
| 905490 -06 | NW2 20' |
| 905490 -07 | NW3 10' |
| 905490 -08 | NW3 15' |
| 905490 -09 | NW3 20' |
| 905490 -10 | NW4 10' |
| 905490 -11 | NW4 15' |
| 905490 -12 | NW4 20' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/30/19

Date Received: 05/23/19

Project: Farwest UST, F&BI 905490

Date Extracted: 05/24/19

Date Analyzed: 05/24/19 and 05/28/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| NW1 10'
905490-01 | <50 | 85 |
| NW1 15'
905490-02 | <50 | 83 |
| NW1 20'
905490-03 | <50 | 84 |
| NW2 10'
905490-04 | 2,800 | 93 |
| NW2 15'
905490-05 | <50 | 83 |
| NW2 20'
905490-06 | <50 | 84 |
| NW3 10'
905490-07 | <50 | 83 |
| NW3 15'
905490-08 | <50 | 99 |
| NW3 20'
905490-09 | <50 | 86 |
| NW4 10'
905490-10 | 96 | 89 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/30/19

Date Received: 05/23/19

Project: Farwest UST, F&BI 905490

Date Extracted: 05/24/19

Date Analyzed: 05/24/19 and 05/28/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| NW4 15'
905490-11 | <50 | 85 |
| NW4 20'
905490-12 | <50 | 97 |
| Method Blank
09-1233 MB | <50 | 99 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/30/19

Date Received: 05/23/19

Project: Farwest UST, F&BI 905490

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 905490-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | <50 | 94 | 92 | 50-150 | 2 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 102 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

905490

SAMPLE CHAIN OF CUSTODY

ME 05-23-19

Page # 1 of 2

Report to Sumner Date 1

Company Tenor Co.

Address 1313 Washington St.

City, State, ZIP Sumner, WA, 98390

Phone (206) 321-5565 Email dumescobventures22@yahoo.com

| | | |
|--|--|------------|
| SAMPLES (signature) <u>[Signature]</u> | | PO # |
| PROJECT NAME
<u>Forward UST</u> | | INVOICE TO |
| REMARKS | | |

| | |
|---|--|
| TURNAROUND TIME | |
| <input checked="" type="checkbox"/> Standard Turnaround | |
| <input type="checkbox"/> RUSH | |
| Rush charges authorized by: | |
| SAMPLE DISPOSAL | |
| <input checked="" type="checkbox"/> Dispose after 30 days | |
| <input type="checkbox"/> Archive Samples | |
| <input type="checkbox"/> Other | |

| ANALYSES REQUESTED | | | | | | Notes | | | | | | | |
|--------------------------|--------|--------------|--------------|-------------|-----------|----------|------------|--------------|---------------|---------------|----------------|----------------|----------------|
| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | *merex 1 spits |
| NW 1 10' | 01 | 5/23/19 | 1:20 PM | Soil | 1 | | | | | | | | |
| NW 1 15' | 02 | | | | | | | | | | | | |
| NW 1 20' | 03 | | | | | | | | | | | | |
| NW 2 10' | 04 | | | | | | | | | | | | |
| NW 2 15' | 05 | | | | | | | | | | | | |
| NW 2 20' | 06 | | | | | | | | | | | | |
| NW 3 10' | 07 | | 11:30 AM | | | | | | | | | | |
| NW 3 15' | 08 | | | | | | | | | | | | |
| NW 3 20' | 09 | | | | | | | | | | | | |
| NW 4 10' | 10 | | | | | | | | | | | | |
| Samples received at 22°C | | | | | | | | | | | | | |

Samples received at 22°C

| | | | | | | | |
|-------------------------------------|--|-------------|--|-----------|--|---------|---------|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | TIME |
| Relinquished by: <u>[Signature]</u> | | Skye Bartol | | Tenor Co. | | 5/23/19 | 2:50 PM |
| Received by: <u>[Signature]</u> | | Nhan Phan | | FeBT | | 5/23/19 | 1450 |
| Relinquished by: | | | | | | | |
| Received by: | | | | | | | |

Friedman & Bruga, 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

June 3, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on May 28, 2019 from the Farwest UST, F&BI 905543 project. There are 4 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
TNR0603R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 28, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 905543 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 905543 -01 | NW1 |
| 905543 -02 | NW2 |
| 905543 -03 | NW3 |
| 905543 -04 | NW4 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19
Date Received: 05/28/19
Project: Farwest UST, F&BI 905543
Date Extracted: 05/30/19
Date Analyzed: 05/30/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
(% Recovery)
(Limit 51-134) |
|-----------------------------------|---|--|
| NW1
905543-01 | 220 | 106 |
| NW2
905543-02 | 440 | 107 |
| NW3
905543-03 | 650 | 102 |
| NW4
905543-04 | 650 | 108 |
| Method Blank
09-1255 MB | <50 | 95 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19

Date Received: 05/28/19

Project: Farwest UST, F&BI 905543

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 5,000 | 70 | 76 | 60-130 | 8 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

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

June 17, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on June 10, 2019 from the Farwest UST, F&BI 906171 project. There are 5 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
TNR0617R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 10, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 906171 -01 | TB1 10' |
| 906171 -02 | TB1 12' |
| 906171 -03 | TB1 14' |
| 906171 -04 | TB2 10' |
| 906171 -05 | TB2 14' |
| 906171 -06 | TB3 10' |
| 906171 -07 | TB3 14' |
| 906171 -08 | TB4 10' |
| 906171 -09 | TB4 14' |
| 906171 -10 | TB5 10 ' |
| 906171 -11 | TB5 12' |
| 906171 -12 | TB5 14' |
| 906171 -13 | TB6 9' |
| 906171 -14 | TB6 10' |
| 906171 -15 | TB6 12' |
| 906171 -16 | TB6 14' |
| 906171 -17 | TB7 10 ' |
| 906171 -18 | TB7 11' |
| 906171 -19 | TB7 14' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/17/19

Date Received: 06/10/19

Project: Farwest UST, F&BI 906171

Date Extracted: 06/11/19

Date Analyzed: 06/13/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| TB1 10'
906171-01 | <50 | 104 |
| TB1 12'
906171-02 | 8,800 | 105 |
| TB1 14'
906171-03 | <50 | 95 |
| TB2 10'
906171-04 | 71 | 108 |
| TB2 14'
906171-05 | 1,200 | 111 |
| TB3 10'
906171-06 | 760 | 97 |
| TB3 14'
906171-07 | 150 | 108 |
| TB4 10'
906171-08 | 400 | 101 |
| TB4 14'
906171-09 | <50 | 105 |
| TB5 10 '
906171-10 | 3,600 | 104 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/17/19
Date Received: 06/10/19
Project: Farwest UST, F&BI 906171
Date Extracted: 06/11/19
Date Analyzed: 06/13/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| TB5 12'
906171-11 | 9,800 | 103 |
| TB5 14'
906171-12 | <50 | 103 |
| TB6 9'
906171-13 | 3,300 | 89 |
| TB6 10'
906171-14 | 1,200 | 90 |
| TB6 12'
906171-15 | 110 | 90 |
| TB6 14'
906171-16 | <50 | 98 |
| TB7 10 '
906171-17 | 4,000 | 100 |
| TB7 11'
906171-18 | 1,200 | 94 |
| TB7 14'
906171-19 | <50 | 95 |
| Method Blank
09-1365 MB | <50 | 101 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/17/19

Date Received: 06/10/19

Project: Farwest UST, F&BI 906171

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 906171-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | <50 | 88 | 92 | 50-150 | 4 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 92 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

906171

Report To Duane BarteCompany Tenax Co.Address 1313 Washington StCity, State, ZIP Sumner, WA, 98390Phone (206) 321-5555 Email duane@duanecorp.com

SAMPLE CHAIN OF CUSTODY

ME6/10/19

A05
Page # 1 of 2

| | |
|---|------------|
| SAMPLERS (signature) <u>[Signature]</u> | |
| PROJECT NAME | PO # |
| <u>Farmstead USA</u> | |
| REMARKS | INVOICE TO |
| | |

| | |
|---|--|
| TURNAROUND TIME | |
| <input checked="" type="checkbox"/> Standard Turnaround | |
| <input type="checkbox"/> RUSH | |
| Rush charges authorized by: | |
| | |
| SAMPLE DISPOSAL | |
| <input checked="" type="checkbox"/> Dispose after 30 days | |
| <input type="checkbox"/> Archive Samples | |
| <input type="checkbox"/> Other | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|-------------------------------------|--------------------------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| 701 10' | 01 | 6/10/19 | 8:30AM | Soil | 1 | | | | | | | <input checked="" type="checkbox"/> | |
| 701 12' | 02 | | 8:30AM | | 1 | | | | | | | | |
| 701 14' | 03 | | 8:30AM | | 1 | | | | | | | | |
| 702 10' | 04 | | 9:00AM | | | | | | | | | | |
| 702 12' | | | 9:00AM | | | | | | | | | | *Not received
6/24/10 |
| 702 14' | 05 | | 9:00AM | | | | | | | | | | |
| 703 10' | 06 | | 9:30AM | | | | | | | | | | |
| 703 14' | 07 | | 9:30AM | | | | | | | | | | |
| 704 10' | 08 | | 10:15AM | | | | | | | | | | |
| 704 14' | 09 | | 10:15AM | | | | | | | | | | |

Samples received at 23 °C

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

| | | | | | | | | | |
|-------------------------------------|--|--------------------|--|------------------|--|----------------|--|---------------|--|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | | TIME | |
| Relinquished by: <u>[Signature]</u> | | <u>Duane Barte</u> | | <u>Tenax Co.</u> | | <u>6/10/19</u> | | <u>2:35PM</u> | |
| Received by: <u>[Signature]</u> | | <u>[Signature]</u> | | <u>FR</u> | | <u>6/10/19</u> | | <u>1415</u> | |
| Relinquished by: | | | | | | | | | |
| Received by: | | | | | | | | | |

906171

SAMPLE CHAIN OF CUSTODY

ME 6/10/19

A05
Page # 2 of 2Report To Duane BaderCompany Ferris Co.Address 1313 Washington St.City, State, ZIP Sumner, WA 98390Phone (206) 721-5565 Email aduanes@duaneresources.comRevised

| | | |
|---|--|------------|
| SAMPLERS (signature) <u>[Signature]</u> | | PO # |
| PROJECT NAME <u>Forest NIS</u> | | INVOICE TO |
| REMARKS | | |

| | |
|---|--|
| TURNAROUND TIME | |
| <input checked="" type="checkbox"/> Standard Turnaround | |
| <input type="checkbox"/> RUSH | |
| Rush charges authorized by: | |
| SAMPLE DISPOSAL | |
| <input checked="" type="checkbox"/> Dispose after 30 days | |
| <input type="checkbox"/> Archive Samples | |
| <input type="checkbox"/> Other | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|----------------------------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| TR5 10' | 10 | 6/10/19 | 10:45AM | Soil | 1 | | | | | | | | |
| TR5 12' | 11 | | 10:45AM | | | | | | | | | | |
| TR5 14' | 12 | | 10:45AM | | | | | | | | | | |
| TR6 4' | 13 | | 11:30AM | | | | | | | | | | |
| TR6 10' | 14 | | 11:30AM | | | | | | | | | | |
| TR6 12' TR6 12' | 15 | | 11:30AM | | | | | | | | | | |
| TR6 14' | 16 | | 11:30AM | | | | | | | | | | |
| TR7 10' | 17 | | 12:00PM | | | | | | | | | | |
| TR7 11' | 18 | | 12:00PM | | | | | | | | | | |
| TR7 14' | 19 | | 12:00PM | | | | | | | | | | |

Samples received at 23 °C

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: [Signature]

Skye Bader

Ferris Co.

6/10/19

2:15PM

Received by: [Signature]

Sue Lee

Ferris

6/10/19

1:45

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

June 20, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on June 17, 2019 from the Farwest UST, F&BI 906328 project. There are 7 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
TNR0620R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 17, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 906328 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 906328 -01 | TB8 10' |
| 906328 -02 | TB8 14' |
| 906328 -03 | TB9 8' |
| 906328 -04 | TB9 10' |
| 906328 -05 | TB9 12' |
| 906328 -06 | TB10 8' |
| 906328 -07 | TB10 10' |
| 906328 -08 | TB10 12' |
| 906328 -09 | TB10 14' |
| 906328 -10 | TB11 10' |
| 906328 -11 | TB11 14' |
| 906328 -12 | TB12 7' |
| 906328 -13 | TB12 10' |
| 906328 -14 | TB12 12' |
| 906328 -15 | TB12 14' |
| 906328 -16 | TB13 10' |
| 906328 -17 | TB13 12' |
| 906328 -18 | TB13 14' |
| 906328 -19 | TB14 12' |
| 906328 -20 | TB14 14' |
| 906328 -21 | TB15 10' |
| 906328 -22 | TB15 12' |
| 906328 -23 | TB15 14' |
| 906328 -24 | TB16 10' |
| 906328 -25 | TB16 12' |
| 906328 -26 | TB16 14' |
| 906328 -27 | TB17 10' |
| 906328 -28 | TB17 12' |
| 906328 -29 | TB17 14' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/20/19

Date Received: 06/17/19

Project: Farwest UST, F&BI 906328

Date Extracted: 06/17/19

Date Analyzed: 06/17/19 and 06/18/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| TB8 10'
906328-01 | 4,500 | 93 |
| TB8 14'
906328-02 | <50 | 87 |
| TB9 8'
906328-03 | 7,600 | 94 |
| TB9 10'
906328-04 | 7,400 | 102 |
| TB9 12'
906328-05 | 9,300 | 103 |
| TB10 8'
906328-06 | 7,900 | 106 |
| TB10 10'
906328-07 | 6,600 | 106 |
| TB10 12'
906328-08 | 1,700 | 109 |
| TB10 14'
906328-09 | <50 | 96 |
| TB11 10'
906328-10 | 5,200 | 109 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/20/19

Date Received: 06/17/19

Project: Farwest UST, F&BI 906328

Date Extracted: 06/17/19

Date Analyzed: 06/17/19 and 06/18/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| TB11 14'
906328-11 | <50 | 109 |
| TB12 7'
906328-12 | <50 | 108 |
| TB12 10'
906328-13 | 1,700 | 110 |
| TB12 12'
906328-14 | 9,400 | 112 |
| TB12 14'
906328-15 | <50 | 111 |
| TB13 10'
906328-16 | 280 | 108 |
| TB13 12'
906328-17 | 17,000 | 115 |
| TB13 14'
906328-18 | <50 | 113 |
| TB14 12'
906328-19 | 4,800 | 112 |
| TB14 14'
906328-20 | 120 | 111 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/20/19
 Date Received: 06/17/19
 Project: Farwest UST, F&BI 906328
 Date Extracted: 06/17/19
 Date Analyzed: 06/17/19 and 06/18/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR TOTAL PETROLEUM HYDROCARBONS
 AS STODDARD SOLVENT
 USING METHOD NWTPH-Dx**

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

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| TB15 10'
906328-21 | 1,500 | 101 |
| TB15 12'
906328-22 | 6,000 | 115 |
| TB15 14'
906328-23 | <50 | 110 |
| TB16 10'
906328-24 | <50 | 105 |
| TB16 12'
906328-25 | <50 | 107 |
| TB16 14'
906328-26 | <50 | 101 |
| TB17 10'
906328-27 | 3,900 | 102 |
| TB17 12'
906328-28 | 170 | 101 |
| TB17 14'
906328-29 | <50 | 101 |
| Method Blank
09-1425 MB | <50 | 111 |
| Method Blank
09-1426 MB | <50 | 86 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/20/19

Date Received: 06/17/19

Project: Farwest UST, F&BI 906328

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 906328-17 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 13,000 | 1 b | 1 b | 50-150 | 0 b |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 110 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/20/19

Date Received: 06/17/19

Project: Farwest UST, F&BI 906328

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 906328-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 4,200 | 89 | 86 | 50-150 | 3 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 98 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

906328

SAMPLE CHAIN OF CUSTODY

ME 06-17-19 1 3 204

Report to Don't Bodel
 Company Tenar Co.
 Address 1313 Washington St
 City, State, ZIP Sumner, WA, 98370
 Phone (206)-321-5555 Email dunest@tenar.com

| | | |
|---|--|------------|
| SAMPLERS (signature) <u>[Signature]</u> | | PO # |
| PROJECT NAME
<u>Foreest NST</u> | | INVOICE TO |
| REMARKS | | |

| | |
|---|--|
| <input checked="" type="checkbox"/> Standard Turnaround
<input type="checkbox"/> RUSH
Rush charges authorized by: | SAMPLE DISPOSAL
<input checked="" type="checkbox"/> Dispose after 30 days
<input type="checkbox"/> Archive Samples
<input type="checkbox"/> Other |
|---|--|

| GENERAL INFORMATION | | | | | | ANALYSES REQUESTED | | | | | | | |
|---------------------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-------|
| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | Notes |
| TB8 10' | 61 | 6/17/19 | 8:00AM | Soil | 1 | | | | | | | | |
| TB8 14' | 62 | | 8:00AM | | | | | | | | | | |
| TB9 8' | 03 | | 8:15AM | | | | | | | | | | |
| TB9 10' | 04 | | 8:15AM | | | | | | | | | | |
| TB9 12' | 05 | | 8:15AM | | | | | | | | | | |
| TB10 8' | 06 | | 8:30AM | | | | | | | | | | |
| TB10 10' | 07 | | 8:30AM | | | | | | | | | | |
| TB10 12' | 08 | | 8:30AM | | | | | | | | | | |
| TB10 14' | 09 | | 8:30AM | | | | | | | | | | |
| TB11 10' | 10 | | 8:45AM | | | | | | | | | | |

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

| | | | | |
|--------------------|--------------------|-----------------------|----------------|----------------|
| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
| <u>[Signature]</u> | <u>Steve Bodel</u> | <u>Tenar Co</u> | <u>6/17/19</u> | <u>11:25AM</u> |
| Received by: | <u>[Signature]</u> | <u>Liz Webber - B</u> | <u>6/17/19</u> | <u>1125</u> |
| Relinquished by: | | | | |
| Received by: | | | | |
| | | Samples received at | <u>21</u> | <u>°C</u> |

906328
 Report To Quene Bachel
 Company Tenor Co.
 Address 1313 Washington St.
 City, State, ZIP Sumner, WA, 98340
 Phone (206) 321 5565 Email clarence@tenor.com

SAMPLE CHAIN OF CUSTODY

WE 06-17-17 Page # 2 of 3 804

| | | |
|--|--|---|
| SAMPLES (signature) <u>[Signature]</u> | | PO # |
| PROJECT NAME
<u>Fernest US9</u> | | INVOICE TO |
| REMARKS | | SAMPLE DISPOSAL
<input checked="" type="checkbox"/> Standard Turnaround
<input type="checkbox"/> RUSH
<input type="checkbox"/> Rush charges authorized by:
<input type="checkbox"/> Dispose after 30 days
<input type="checkbox"/> Archive Samples
<input type="checkbox"/> Other |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|----------------------------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|-----------------|-------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| TS 11 14' | 11 | 6/17/17 | 8:45AM | Soil | 1 | | | | | | | <u>Standard</u> | |
| TS 12 7' | 12 | | 9:00AM | | | | | | | | | | |
| TS 12 10' | 13 | | 9:00AM | | | | | | | | | | |
| TS 12 12' | 14 | | 9:00AM | | | | | | | | | | |
| TS 12 14' | 15 | | 9:00AM | | | | | | | | | | |
| TS 13 10' | 16 | | 9:15AM | | | | | | | | | | |
| TS 13 TS 13 12' | 17 | | 9:15AM | | | | | | | | | | |
| TS 13 14' | 18 | | 9:15AM | | | | | | | | | | |
| TS 14 12' | 19 | | 9:20AM | | | | | | | | | | |
| TS 14 14' | 20 | | 9:30AM | | | | | | | | | | |

| | | | | | | | |
|------------------------------------|--|----------------------|--|-----------------|--|----------------|----------------|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | TIME |
| Reinquished by: <u>[Signature]</u> | | <u>Sgt Bachel</u> | | <u>Tenor Co</u> | | <u>6/17/17</u> | <u>11:20AM</u> |
| Received by: <u>[Signature]</u> | | <u>Liz Weber-Bry</u> | | <u>FBI</u> | | <u>6/17/17</u> | <u>11:25</u> |
| Reinquished by: | | | | | | | |
| Received by: | | | | | | | |

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

906328
Report to: Dune Berle

Company: Terra Co.

Address: 1313 Washington St.

City, State, ZIP: Sumner, WA, 98390

Phone: (206) 321-5555 Email: dundes@terra.com

cleanseventy.com

comcast.net

SAMPLE CHAIN OF CUSTODY

SAMPLERS (signature)

PROJECT NAME

PO #

REMARKS

INVOICE TO

ME 06-17-19 7 of 3

Page # 7 of 3

B04

TURNAROUND TIME
☒ Standard Turnaround
☐ RUSH
Rush charges authorized by: _____
SAMPLE DISPOSAL
☒ Dispose after 30 days
☐ Archive Samples
☐ Other _____

ANALYSES REQUESTED

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| TB15 10' | 21 | 6/17/19 | 6:45AM | Soil | 1 | | | | | | | | |
| TB15 12' | 22 | | 9:45AM | | | | | | | | | | |
| TB15 14' | 23 | | 9:45AM | | | | | | | | | | |
| TB16 10' | 24 | | 10:00AM | | | | | | | | | | |
| TB16 112' | 25 | | 10:00AM | | | | | | | | | | |
| TB16 14' | 26 | | 10:00AM | | | | | | | | | | |
| TB17 10' | 27 | | 10:15AM | | | | | | | | | | |
| TB17 12' | 28 | | 10:15AM | | | | | | | | | | |
| TB17 14 | 29 | | 10:15AM | | | | | | | | | | |

| SIGNATURE | | PRINT NAME | | COMPANY | DATE | TIME |
|------------------|--------------------|-----------------|-----------|---------|---------|---------|
| Relinquished by: | <u>[Signature]</u> | Steve Berle | Terra Co. | | | |
| Received by: | <u>[Signature]</u> | Liz Webber-Burg | E: B1 | | 6/17/19 | 11:25AM |
| 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

August 1, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on July 22, 2019 from the Farwest UST, F&BI 907374 project. There are 7 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
TNR0801R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 22, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 907374 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 907374 -01 | HAW 1 8' |
| 907374 -02 | HAW 1 9' |
| 907374 -03 | HAW 1 10' |
| 907374 -04 | HAW 4 8' |
| 907374 -05 | HAW 4 10' |
| 907374 -06 | HAW 8 8' |
| 907374 -07 | HAW 11 10' |
| 907374 -08 | HAW 11 12' |
| 907374 -09 | HAW 11 14' |
| 907374 -10 | HAW 31 9'6" |
| 907374 -11 | HAW 32 8' |
| 907374 -12 | HAW 33 10' |
| 907374 -13 | HAW 35 8' |
| 907374 -14 | Soil Control |
| 907374 -15 | Soil Test |
| 907374 -16 | Water Control |
| 907374 -17 | Water Test |

The Stoddard solvent concentration for sample Water Control exceeded the calibration range. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/01/19
Date Received: 07/22/19
Project: Farwest UST, F&BI 907374
Date Extracted: 07/30/19
Date Analyzed: 07/30/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| HAW 1 8'
907374-01 | 580 | 94 |
| HAW 1 9'
907374-02 | 920 | 94 |
| HAW 1 10'
907374-03 | 4,500 | 93 |
| HAW 4 8'
907374-04 | 640 | 91 |
| HAW 4 10'
907374-05 | 9,400 | 95 |
| HAW 8 8'
907374-06 | <50 | 88 |
| HAW 11 10'
907374-07 | 140 | 91 |
| HAW 11 12'
907374-08 | 130 | 93 |
| HAW 11 14'
907374-09 | 74 | 96 |
| HAW 31 9'6"
907374-10 | <50 | 96 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/01/19
Date Received: 07/22/19
Project: Farwest UST, F&BI 907374
Date Extracted: 07/30/19
Date Analyzed: 07/30/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| HAW 32 8'
907374-11 | <50 | 96 |
| HAW 33 10'
907374-12 | <50 | 96 |
| HAW 35 8'
907374-13 | 620 | 97 |
| Soil Control
907374-14 | 2,000 | 99 |
| Soil Test
907374-15 | 2,300 | 92 |
| Method Blank
09-1827 MB | <50 | 88 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/01/19
Date Received: 07/22/19
Project: Farwest UST, F&BI 907374
Date Extracted: 07/29/19
Date Analyzed: 07/30/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| Water Control
907374-16 | 230,000 ve | ip |
| Method Blank
09-1819 MB | <50 | 62 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/01/19

Date Received: 07/22/19

Project: Farwest UST, F&BI 907374

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 907374-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 510 | 94 | 94 | 50-150 | 0 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 104 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/01/19

Date Received: 07/22/19

Project: Farwest UST, F&BI 907374

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 1,250 | 101 | 105 | 60-130 | 4 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

907374

Dore Berdel

Company Towr CoAddress 1313 Washington St.City, State, ZIP Sumner, WA, 98550Phone (206) 321 3565 Email dberdel@adventures2296.com

SAMPLE CHAIN OF CUSTODY

ME 7/22/19

B04

Page # 1 of 2

| | | |
|---|--|------------|
| SAMPLERS (signature) <u>Dore Berdel</u> | | PO # |
| PROJECT NAME
<u>Fogwell WST</u> | | INVOICE TO |
| REMARKS | | |

| | |
|---|--|
| TURNAROUND TIME | |
| <input checked="" type="checkbox"/> Standard Turnaround | |
| <input type="checkbox"/> RUSH | |
| Rush charges authorized by: _____ | |
| SAMPLE DISPOSAL | |
| <input checked="" type="checkbox"/> Dispose after 30 days | |
| <input type="checkbox"/> Archive Samples | |
| <input type="checkbox"/> Other _____ | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|-------------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| HAW 1 8' | 01 | 7/16/19 | 11:00AM | Soil | 1 | | | | | | | | X |
| HAW 1 9' | 02 | 7/16/19 | 4:00PM | Soil | 1 | | | | | | | | X |
| HAW 1 10' | 03 | 7/16/19 | 5:15PM | Soil | 1 | | | | | | | | X |
| HAW 4 8' | 04 | 7/16/19 | 2:20PM | Soil | 1 | | | | | | | | X |
| HAW 4 10' | 05 | 7/16/19 | 2:25PM | Soil | 1 | | | | | | | | X |
| HAW 8 8' | 06 | 7/14/19 | 5:30PM | Soil | 1 | | | | | | | | X |
| HAW 11 10' | 07 | 7/17/19 | 1:30PM | Soil | 1 | | | | | | | | X |
| HAW 11 12' | 08 | 7/17/19 | 1:30PM | Soil | 1 | | | | | | | | X |
| HAW 11 14' | 09 | 7/17/19 | 1:30PM | Soil | 1 | | | | | | | | X |
| HAW 31 9'6" | 10 | 7/22/19 | 10:30AM | Soil | 1 | | | | | | | | X |

| | | | | | | | | | |
|-------------------------------------|--|--------------------|--|----------------------------|--|----------------|--|----------------|--|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | | TIME | |
| Relinquished by: <u>Dore Berdel</u> | | <u>Dore Berdel</u> | | <u>Towr Co.</u> | | <u>7/22/19</u> | | <u>12:00PM</u> | |
| Received by: <u>Dore Berdel</u> | | <u>Dore Berdel</u> | | <u>FR</u> | | <u>7/22/19</u> | | <u>12:00AM</u> | |
| Relinquished by: _____ | | _____ | | _____ | | _____ | | _____ | |
| Received by: _____ | | _____ | | <u>Samples received at</u> | | <u>10</u> | | <u>00</u> | |

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Report of ~~John~~ John E. Burt

Company Tender Co.

Address 1313 Washington St.

City, State, ZIP Sumner, WA, 98390

Phone (266)-321-5565 Email duchrsad@vnetwv 22966@

com-est-ant

SAMPLE CHAIN OF CUSTODY

ME7/22/19

BO4

2 of 2

SAMPLERS (signature)

PROJECT NAME

Ernest NST

REMARKS

PO

INVOICE TO

Page # 1 of 1
TURNAROUND TIME

Standard Turnaround

☒ Standard Turnaround
☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☒ Dispose after 30 days

□ Archive Samples

☐ Other

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes | |
|---------------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|--------------------|-----------------------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | | |
| HAW 32 8' | 11 | 7/20/19 | 2:46PM | Soil | 1 | | | | | | | | X Standard Solvent | |
| HAW 33 10' | 12 | 7/22/19 | 9:15AM | Soil | 1 | | | | | | | | | |
| HAW 35 8' | 13 | 7/24/19 | 8:20AM | Soil | 1 | | | | | | | | | |
| Soil Control | 14 | 7/22/19 | 9:15AM | Soil | 1 | | | | | | | | | |
| Soil Test | 15 | 7/22/19 | 9:30AM | Soil | 1 | | | | | | | | | |
| Water Control | 16 | 7/22/19 | 9:20AM | Water | 1 | | | | | | | | | |
| Water Test | 17 | 7/22/19 | 9:35 | Water | | | | | | | | | | *Added at lab 8-31-22 |
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SIGNATURE

PRINT NAME

COMPAN

DATE _____

TIME.

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.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

October 8, 2009

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr. Bartel:

Included are the results from the testing of material submitted on October 1, 2009 from the Farwest UST Cleanup, F&BI 910015 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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

c: Rob Roe
NAA1008R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 1, 2009 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST Cleanup, F&BI 910015 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 910015-01 | North Well |
| 910015-02 | West Well |
| 910015-03 | South Well |
| 910015-04 | North Well-3ft E/4'DP |
| 910015-05 | West Well-2ft NE/4'DP |
| 910015-06 | South Well-3ft.E/4'DP |
| 910015-07 | RH Process Tank |

Please note that sample North Well had 50 ml of product removed from the container prior to sample extraction. All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/09

Date Received: 10/01/09

Project: Farwest UST Cleanup, F&BI 910015

Date Extracted: 10/02/09

Date Analyzed: 10/05/09

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-137) |
|-----------------------------------|---|---|
| North Well d
910015-01 1/20 | 260,000 | 101 |
| West Well
910015-02 | 2,200 | 96 |
| South Well d
910015-03 1/100 | 900,000 | 137 |
| RH Process Tank
910015-07 | 130 | 94 |
| Method Blank | <50 | 84 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/09

Date Received: 10/01/09

Project: Farwest UST Cleanup, F&BI 910015

Date Extracted: 10/02/09

Date Analyzed: 10/02/09

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 67-127) |
|------------------------------------|---|---|
| North Well-3ft E/4'DP
910015-04 | <50 | 98 |
| West Well-2ft NE/4'DP
910015-05 | <50 | 88 |
| South Well-3ft.E/4'DP
910015-06 | <50 | 88 |
| Method Blank | <50 | 94 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/09

Date Received: 10/01/09

Project: Farwest UST Cleanup, F&BI 910015

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS STODDARD
SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 94 | 91 | 70-130 | 3 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/09

Date Received: 10/01/09

Project: Farwest UST Cleanup, F&BI 910015

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-Dx**

Laboratory Code: 910015-04 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | (Wet wt)
Sample
Result | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | <50 | 98 | 108 | 50-150 | 10 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 97 | 70-130 |

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.

A1 – More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

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

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

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

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

910015

SAMPLE CHAIN OF CUSTODY

ME 10/01/09 C03

Send Report To Duane Bartel
 Company Tenor Company LLC
 Address 1313 Washington St.
 City, State, ZIP Shaner, WA. 98390
 Phone # 206-321-5565 Fax # N/A.
 Email: duaneadventures2296@comcast.net

SAMPLERS (signature)

Duane Bartel

PROJECT NAME/NO.

Farwest UST Cleanup

PO #

REMARKS

EAI is working with me on this
Please CC: report to Rob Rowe

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

| Sample ID | Lab ID | Date | Time | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes |
|----------------------------|-----------|----------------|-----------------|--------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|------------------|--|--|--|-------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | Standard Solvent | | | | |
| <u>North well</u> | <u>01</u> | <u>10-1-09</u> | <u>11:40 AM</u> | <u>Water</u> | <u>1</u> | | | | | | | | | | | |
| <u>West well</u> | <u>02</u> | <u>10-1-09</u> | <u>11:30 AM</u> | <u>Water</u> | <u>1</u> | | | | | | | ✓ | | | | |
| <u>South well</u> | <u>03</u> | <u>10-1-09</u> | <u>11:35 AM</u> | <u>Water</u> | <u>1</u> | | | | | | | ✓ | | | | |
| <u>North well-3A.E/4'D</u> | <u>04</u> | <u>10-1-09</u> | <u>11:50 AM</u> | <u>Soil</u> | <u>1</u> | | | | | | | ✓ | | | | |
| <u>West well-2A.NE/4'D</u> | <u>05</u> | <u>10-1-09</u> | <u>11:55 AM</u> | <u>Soil</u> | <u>1</u> | | | | | | | ✓ | | | | |
| <u>South well-3A.E/4'D</u> | <u>06</u> | <u>10-1-09</u> | <u>11:55 AM</u> | <u>Soil</u> | <u>1</u> | | | | | | | ✓ | | | | |
| <u>RH Process tank</u> | <u>07</u> | <u>10-1-09</u> | <u>11:30 AM</u> | <u>Water</u> | <u>1</u> | | | | | | | ✓ | | | | |
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Friedman & Bruya, Inc.
 3012 16th Avenue West

Seattle, WA 98119
 Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by: Duane BartelReceived by: YINH

Relinquished by:

Received by:

PRINT NAME

Duane BartelYINH

COMPANY

Tenor Co LLCFB1

DATE

10-1-0910-1-09

TIME

2:50 PM2:50 PM

Samples received at 20°C

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

October 18, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on October 9, 2019 from the Farwest UST, F&BI 910175 project. There are 4 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
TNR1018R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 9, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 910175 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 910175 -01 | P1C |
| 910175 -02 | P2C |
| 910175 -03 | P3C |
| 910175 -04 | P4C |

The stoddard solvent concentration for samples P1C, P3C, and P4C exceeded the calibration range. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/18/19
Date Received: 10/09/19
Project: Farwest UST, F&BI 910175
Date Extracted: 10/15/19
Date Analyzed: 10/15/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| P1C
910175-01 1/1.6 | 110,000 ve | 90 |
| P2C
910175-02 1/1.2 | 13,000 | 121 |
| P3C
910175-03 | 77,000 ve | 93 |
| P4C
910175-04 1/1.4 | 140,000 ve | 91 |
| Method Blank
09-2537 MB | <50 | 122 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/18/19

Date Received: 10/09/19

Project: Farwest UST, F&BI 910175

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 100 | 104 | 60-130 | 4 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

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

October 23, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on October 15, 2019 from the Farwest UST, F&BI 910310 project. There are 7 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
TNR1023R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 15, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 910310 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 910310 -01 | XTB1@10' |
| 910310 -02 | XTB2@10' |
| 910310 -03 | XTB2@13' |
| 910310 -04 | XTB3@10' |
| 910310 -05 | XTB4@10' |
| 910310 -06 | XTB4@12' |
| 910310 -07 | XTB5@10' |
| 910310 -08 | XTB6@10' |
| 910310 -09 | XTB7@10' |
| 910310 -10 | XTB8@8' |
| 910310 -11 | XTB8@10' |
| 910310 -12 | XTB9@10' |
| 910310 -13 | XTB10@10' |
| 910310 -14 | XTB11@10' |
| 910310 -15 | XTB12@10' |
| 910310 -16 | XTB13@10' |
| 910310 -17 | XTB14@8' |
| 910310 -18 | XTB14@10' |
| 910310 -19 | XTB15@10' |
| 910310 -20 | XTB16@10' |
| 910310 -21 | XTB17@10' |
| 910310 -22 | XTB18@8' |
| 910310 -23 | XTB18@10' |
| 910310 -24 | XTB19@10' |
| 910310 -25 | XTB20@10' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/23/19
Date Received: 10/15/19
Project: Farwest UST, F&BI 910310
Date Extracted: 10/18/19
Date Analyzed: 10/18/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| XTB1@10'
910310-01 | <50 | 103 |
| XTB2@10'
910310-02 | <50 | 110 |
| XTB2@13'
910310-03 | <50 | 106 |
| XTB3@10'
910310-04 | <50 | 104 |
| XTB4@10'
910310-05 | 110 | 108 |
| XTB4@12'
910310-06 | 140 | 106 |
| XTB5@10'
910310-07 | <50 | 100 |
| XTB6@10'
910310-08 | <50 | 100 |
| XTB7@10'
910310-09 | <50 | 105 |
| XTB8@8'
910310-10 | <50 | 106 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/23/19
Date Received: 10/15/19
Project: Farwest UST, F&BI 910310
Date Extracted: 10/18/19
Date Analyzed: 10/18/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| XTB8@10'
910310-11 | <50 | 94 |
| XTB9@10'
910310-12 | 180 | 107 |
| XTB10@10'
910310-13 | <50 | 99 |
| XTB11@10'
910310-14 | <50 | 107 |
| XTB12@10'
910310-15 | 4,900 | 110 |
| XTB13@10'
910310-16 | <50 | 103 |
| XTB14@8'
910310-17 | 2,500 | 105 |
| XTB14@10'
910310-18 | <50 | 109 |
| XTB15@10'
910310-19 | <50 | 102 |
| XTB16@10'
910310-20 | <50 | 107 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/23/19
Date Received: 10/15/19
Project: Farwest UST, F&BI 910310
Date Extracted: 10/18/19
Date Analyzed: 10/18/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| XTB17@10'
910310-21 | 620 | 107 |
| XTB18@8'
910310-22 | <50 | 109 |
| XTB18@10'
910310-23 | <50 | 100 |
| XTB19@10'
910310-24 | <50 | 108 |
| XTB20@10'
910310-25 | <50 | 107 |
| Method Blank
09-2582 MB | <50 | 107 |
| Method Blank
09-2583 MB | <50 | 105 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/23/19

Date Received: 10/15/19

Project: Farwest UST, F&BI 910310

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 910310-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | <50 | 110 | 114 | 50-150 | 4 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 112 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/23/19

Date Received: 10/15/19

Project: Farwest UST, F&BI 910310

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 910310-20 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | <50 | 114 | 108 | 50-150 | 5 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 114 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

910310

SAMPLE CHAIN OF CUSTODY

ME 10-15-17

Page # 1 of 3

Report To Bruce Baker

Company Tenor Co.

Address 1313 Washington St.

City, State, ZIP Seattle, WA, 98100

Phone (206) 321-5585 Email dbaker@tenor.com

| | | |
|---|--|------------|
| SAMPLERS (signature) <u>Bruce Baker</u> | | PO # |
| PROJECT NAME <u>Fenwest WST</u> | | INVOICE TO |
| REMARKS | | |

| | |
|---|--|
| TURNAROUND TIME | |
| <input checked="" type="checkbox"/> Standard Turnaround | |
| <input type="checkbox"/> RUSH | |
| Rush charges authorized by: | |
| SAMPLE DISPOSAL | |
| <input checked="" type="checkbox"/> Dispose after 30 days | |
| <input type="checkbox"/> Archive Samples | |
| <input type="checkbox"/> Other | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|--------------------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| X7B1A 10' | 01 | 10/15/14 | 1:00 PM | Soil | 1 | | | | | | | | X Standard Solvent |
| X7B2 10' | 02 | | | | | | | | | | | | |
| X7B2 13' | 03 | | | | | | | | | | | | |
| X7B3 10' | 04 | | | | | | | | | | | | |
| X7B4 10' | 05 | | | | | | | | | | | | |
| X7B4 12' | 06 | | | | | | | | | | | | |
| X7B5 10' | 07 | | | | | | | | | | | | |
| X7B6 10' | 08 | | | | | | | | | | | | |
| X7B7 10' | 09 | | | | | | | | | | | | |
| X7B8 8' | 10 | | | | | | | | | | | | |

| | | | | | | | |
|-------------------------------------|--|-------------|--|---------------------|--|----------|---------|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | TIME |
| Relinquished by: <u>Bruce Baker</u> | | Skype Baker | | Tenor Co. | | 10/15/14 | 2:20 PM |
| Received by: <u>m/cphums</u> | | Phan Phan | | Fe B T | | 10/15/14 | 1420 |
| Relinquished by: | | | | | | | |
| Received by: | | | | Samples received at | | 21 | °C |

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

SAMPLE CHAIN OF CUSTODY

ME 10-15-19 2 of 3 COS

910310

Report to Lucie Berte

Company Tenax Co.

Address 1313 Washington St.

City, State, ZIP Sumner, WA / 98340

Phone (206) 321 5566 email clayton@tenax.com

| | | |
|--|--|------------|
| SAMPLES (signature) <u>Lucie Berte</u> | | PO # |
| PROJECT NAME <u>Forest WST</u> | | INVOICE TO |
| REMARKS | | |

| | |
|---|--|
| TURNAROUND TIME | |
| <input checked="" type="checkbox"/> Standard Turnaround | |
| <input type="checkbox"/> RUSH | |
| Rush charges authorized by: | |
| SAMPLE DISPOSAL | |
| <input checked="" type="checkbox"/> Dispose after 30 days | |
| <input type="checkbox"/> Archive Samples | |
| <input type="checkbox"/> Other | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|------------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| X7B80 10' | 11 | 10/15/19 | 1:00 PM | Soil | 1 | | | | | | | | |
| X7B90 10' | 12 | | | | | | | | | | | | |
| X7B100 10' | 13 | | | | | | | | | | | | |
| X7B110 10' | 14 | | | | | | | | | | | | |
| X7B120 10' | 15 | | | | | | | | | | | | |
| X7B130 10' | 16 | | | | | | | | | | | | |
| X7B140 8' | 17 | | | | | | | | | | | | |
| X7B140 10' | 18 | | | | | | | | | | | | |
| X7B150 10' | 19 | | | | | | | | | | | | |
| X7B160 10' | 20 | | | | | | | | | | | | |

| | | | | | | | |
|-------------------------------------|--|-------------|--|-----------|--|----------|---------|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | TIME |
| Relinquished by: <u>Lucie Berte</u> | | Steve Berte | | Tenax Co. | | 10/15/19 | 2:20 PM |
| Received by: <u>M. A. Berte</u> | | M. A. Berte | | FLB I | | 10/15/19 | 14:20 |
| Relinquished by: | | | | | | | |
| Received by: | | | | | | | |

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

ME 10-15-19 7 7 (007

Phone (206) 21-5565 Email dwane.adventures22@yahoo.com

Page # 5 of 5

TURNAROUND TIME

☒ Standard turnaround

☐ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL

☒ Archive samples

☐ Other _____

Default: Dispose after 30 days

[illegible]

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

November 4, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on October 29, 2019 from the Farwest UST, F&BI 910575 project. There are 4 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
TNR1104R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 29, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 910575 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 910575 -01 | P1-06 |
| 910575 -02 | P1-106 |
| 910575 -03 | P2-06 |
| 910575 -04 | P2-106 |
| 910575 -05 | P3-06 |
| 910575 -06 | P3-106 |
| 910575 -07 | P4-06 |
| 910575 -08 | P4-106 |
| 910575 -09 | 8 |
| 910575 -10 | 11 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/04/19
Date Received: 10/29/19
Project: Farwest UST, F&BI 910575
Date Extracted: 10/30/19
Date Analyzed: 10/30/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
(% Recovery)
(Limit 51-134) |
|-----------------------------------|---|--|
| P1-06
910575-01 | 12,000 | 91 |
| P1-106
910575-02 | 9,600 | 97 |
| P2-06
910575-03 | 8,900 | 91 |
| P2-106
910575-04 | 8,400 | 105 |
| P3-06
910575-05 | 49,000 | 91 |
| P3-106
910575-06 | 36,000 | 100 |
| P4-06
910575-07 | 93,000 | 96 |
| P4-106
910575-08 | 41,000 | 82 |
| 8
910575-09 1/10 | 150,000 | 112 |
| 11
910575-10 1/10 | 790,000 | ip |
| Method Blank
09-2674 MB | <50 | 119 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/04/19

Date Received: 10/29/19

Project: Farwest UST, F&BI 910575

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 5,000 | 89 | 107 | 60-130 | 18 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

SAMPLE CHAIN OF CUSTODY

ME 10/29/11 1 of 1

910575

Report To Dave Bate

Company Tenor Co.

Address 1313 Washington St. #2

City, State, ZIP Sumner, WA 98390

Phone (206) 324-5885 Email davebate@tenorco.com

| | | |
|--|--|--|
| SAMPLES (signature) <u>[Signature]</u> | | PO # |
| PROJECT NAME
<u>Fernox W57</u> | | INVOICE TO |
| REMARKS | | SAMPLE DISPOSAL
<input checked="" type="checkbox"/> Standard Turnaround
<input type="checkbox"/> RUSH
<input type="checkbox"/> Rush charges authorized by:
<input checked="" type="checkbox"/> Dispose after 30 days
<input type="checkbox"/> Archive Samples
<input type="checkbox"/> Other |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| P1-06 | 01 | 10/29/11 | 10:00am | Water | 1 | | | | | | | | |
| P1-106 | 02 | | 10:00am | | 1 | | | | | | | | |
| P2-06 | 03 | | 10:15am | | 1 | | | | | | | | |
| P2-106 | 04 | | 10:15am | | 1 | | | | | | | | |
| P3-06 | 05 | | 10:40am | | 1 | | | | | | | | |
| P3-106 | 06 | | 10:40am | | 1 | | | | | | | | |
| P4-06 | 07 | | 10:30am | | 1 | | | | | | | | |
| P4-106 | 08 | | 10:30am | | 1 | | | | | | | | |
| 8 | 09 | | 11:15am | | 1 | | | | | | | | |
| 11 | 10 | | 11:15am | | 1 | | | | | | | | |

| | | | | | | | |
|-------------------------------------|--|------------|--|---------------------|--|----------|--------|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | TIME |
| Relinquished by: <u>[Signature]</u> | | Ske Bate | | Tenor Co. | | 10/29/11 | 1:00pm |
| Received by: <u>[Signature]</u> | | John Phan | | FBI | | 10/29/11 | 1:30 |
| Relinquished by: | | | | | | | |
| Received by: | | | | Samples received at | | 12 °C | |

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

November 13, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on November 4, 2019 from the Farwest UST, F&BI 911036 project. There are 18 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
TNR1113R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 4, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 911036 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 911036 -01 | XTB21@8' |
| 911036 -02 | XTB21@10' |
| 911036 -03 | XTB21@12' |
| 911036 -04 | XTB22@10' |
| 911036 -05 | XTB22@12' |
| 911036 -06 | XTB23@8' |
| 911036 -07 | XTB23@10' |
| 911036 -08 | XTB23@12' |
| 911036 -09 | XTB24@8' |
| 911036 -10 | XTB24@10' |
| 911036 -11 | XTB24@12' |
| 911036 -12 | MW1@8' |
| 911036 -13 | MW1@10' |
| 911036 -14 | MW1@12' |
| 911036 -15 | MW1@15' |
| 911036 -16 | MW4@5' |
| 911036 -17 | MW4@10' |
| 911036 -18 | MW4@15' |
| 911036 -19 | MW3@5' |
| 911036 -20 | MW3@10' |
| 911036 -21 | MW3@15' |
| 911036 -22 | MW2@5' |
| 911036 -23 | MW2@10' |
| 911036 -24 | MW2@15' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW4@5' | Client: | Tenor Co., LLC |
| Date Received: | 11/04/19 | Project: | Farwest UST, F&BI 911036 |
| Date Extracted: | 11/07/19 | Lab ID: | 911036-16 |
| Date Analyzed: | 11/08/19 | Data File: | 911036-16.151 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 12.3 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW4@10' | Client: | Tenor Co., LLC |
| Date Received: | 11/04/19 | Project: | Farwest UST, F&BI 911036 |
| Date Extracted: | 11/07/19 | Lab ID: | 911036-17 |
| Date Analyzed: | 11/08/19 | Data File: | 911036-17.152 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|----|
| Lead | <1 |
|------|----|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW4@15' | Client: | Tenor Co., LLC |
| Date Received: | 11/04/19 | Project: | Farwest UST, F&BI 911036 |
| Date Extracted: | 11/07/19 | Lab ID: | 911036-18 |
| Date Analyzed: | 11/08/19 | Data File: | 911036-18.153 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 1.72 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW3@5' | Client: | Tenor Co., LLC |
| Date Received: | 11/04/19 | Project: | Farwest UST, F&BI 911036 |
| Date Extracted: | 11/07/19 | Lab ID: | 911036-19 |
| Date Analyzed: | 11/08/19 | Data File: | 911036-19.161 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 65.4 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW3@10' | Client: | Tenor Co., LLC |
| Date Received: | 11/04/19 | Project: | Farwest UST, F&BI 911036 |
| Date Extracted: | 11/07/19 | Lab ID: | 911036-20 |
| Date Analyzed: | 11/08/19 | Data File: | 911036-20.162 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 1.06 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW3@15' | Client: | Tenor Co., LLC |
| Date Received: | 11/04/19 | Project: | Farwest UST, F&BI 911036 |
| Date Extracted: | 11/07/19 | Lab ID: | 911036-21 |
| Date Analyzed: | 11/08/19 | Data File: | 911036-21.163 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 3.71 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW2@5' | Client: | Tenor Co., LLC |
| Date Received: | 11/04/19 | Project: | Farwest UST, F&BI 911036 |
| Date Extracted: | 11/07/19 | Lab ID: | 911036-22 |
| Date Analyzed: | 11/08/19 | Data File: | 911036-22.164 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 3.65 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW2@10' | Client: | Tenor Co., LLC |
| Date Received: | 11/04/19 | Project: | Farwest UST, F&BI 911036 |
| Date Extracted: | 11/07/19 | Lab ID: | 911036-23 |
| Date Analyzed: | 11/08/19 | Data File: | 911036-23.165 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|----|
| Lead | <1 |
|------|----|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW2@15' | Client: | Tenor Co., LLC |
| Date Received: | 11/04/19 | Project: | Farwest UST, F&BI 911036 |
| Date Extracted: | 11/07/19 | Lab ID: | 911036-24 |
| Date Analyzed: | 11/11/19 | Data File: | 911036-24.032 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 3.49 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | Method Blank | Client: | Tenor Co., LLC |
| Date Received: | Not Applicable | Project: | Farwest UST, F&BI 911036 |
| Date Extracted: | 11/07/19 | Lab ID: | I9-716 mb |
| Date Analyzed: | 11/08/19 | Data File: | I9-716 mb.066 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|----|
| Lead | <1 |
|------|----|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/13/19
Date Received: 11/04/19
Project: Farwest UST, F&BI 911036
Date Extracted: 11/04/19
Date Analyzed: 11/04/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| XTB21@8'
911036-01 | <50 | 103 |
| XTB21@10'
911036-02 | <50 | 97 |
| XTB21@12'
911036-03 | <50 | 97 |
| XTB22@10'
911036-04 | <50 | 96 |
| XTB22@12'
911036-05 | <50 | 111 |
| XTB23@8'
911036-06 | 680 | 94 |
| XTB23@10'
911036-07 | 90 | 101 |
| XTB23@12'
911036-08 | 2,700 | 105 |
| XTB24@8'
911036-09 | <50 | 105 |
| XTB24@10'
911036-10 | <50 | 104 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/13/19
Date Received: 11/04/19
Project: Farwest UST, F&BI 911036
Date Extracted: 11/04/19
Date Analyzed: 11/04/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| XTB24@12'
911036-11 | <50 | 106 |
| MW1@8'
911036-12 | <50 | 97 |
| MW1@10'
911036-13 | 3,900 | 98 |
| MW1@12'
911036-14 | <50 | 94 |
| MW1@15'
911036-15 | <50 | 95 |
| MW4@5'
911036-16 | <50 | 93 |
| MW4@10'
911036-17 | <50 | 104 |
| MW4@15'
911036-18 | <50 | 103 |
| MW3@5'
911036-19 | <50 | 105 |
| MW3@10'
911036-20 | <50 | 93 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/13/19
Date Received: 11/04/19
Project: Farwest UST, F&BI 911036
Date Extracted: 11/04/19
Date Analyzed: 11/04/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| MW3@15'
911036-21 | <50 | 95 |
| MW2@5'
911036-22 | <50 | 103 |
| MW2@10'
911036-23 | <50 | 93 |
| MW2@15'
911036-24 | <50 | 95 |
| Method Blank
09-2704 MB | <50 | 109 |
| Method Blank
09-2708 MB | <50 | 98 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/13/19

Date Received: 11/04/19

Project: Farwest UST, F&BI 911036

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

Laboratory Code: 911068-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|---------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Lead | mg/kg (ppm) | 50 | 19.7 | 110 | 109 | 75-125 | 1 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|---------|--------------------|----------------|----------------------------|------------------------|
| Lead | mg/kg (ppm) | 50 | 110 | 80-120 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/13/19

Date Received: 11/04/19

Project: Farwest UST, F&BI 911036

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 911036-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | <50 | 112 | 128 | 50-150 | 13 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 122 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/13/19

Date Received: 11/04/19

Project: Farwest UST, F&BI 911036

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 911036-21 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | <50 | 124 | 122 | 50-150 | 2 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 110 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

911036

SAMPLE CHAIN OF CUSTODY

ME 11-04-19

Page # 1 of 3

705

Report to Lucas BakerCompany Tender Co.Address 1313 Washington St.City, State, ZIP Seattle, WA, 98100Phone (206) 321-5565 Email clucas@tenderco.comOctober 18, 2019

| | |
|---|------------|
| SAMPLERS (signature) <u>[Signature]</u> | PO # |
| PROJECT NAME <u>Forest 45</u> | INVOICE TO |
| REMARKS | |

| |
|---|
| TURNAROUND TIME |
| <input checked="" type="checkbox"/> Standard Turnaround |
| <input type="checkbox"/> RUSH |
| Rush charges authorized by: _____ |
| SAMPLE DISPOSAL |
| <input checked="" type="checkbox"/> Dispose after 30 days |
| <input type="checkbox"/> Archive Samples |
| <input type="checkbox"/> Other _____ |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| XTB2108' | 01 | 11/4/19 | 8:30AM | Sh. 1 | 1 | | | | | | | X | |
| XTB21010' | 03 | | 8:30AM | | | | | | | | | | |
| XTB21012' | 03 | | 8:30AM | | | | | | | | | | |
| XTB22010' | 04 | | 8:45AM | | | | | | | | | | |
| XTB22012' | 05 | | 8:45AM | | | | | | | | | | |
| XTB2308' | 06 | | 9:00AM | | | | | | | | | | |
| XTB23010' | 07 | | 9:00AM | | | | | | | | | | |
| XTB23012' | 08 | | 9:00AM | | | | | | | | | | |
| XTB2408' | 09 | | 9:15AM | | | | | | | | | | |
| XTB24010' | 10 | | 9:15AM | | | | | | | | | | |

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

| | | | | |
|-------------------------------------|---------------|------------|---------|--------|
| Relinquished by: <u>[Signature]</u> | Skylar Bortel | Tender Co. | 11/4/19 | 1:00PM |
| Received by: <u>[Signature]</u> | Nhan Phan | FE & TI | 11/4/19 | 1:30PM |
| Relinquished by: | | | | |
| Received by: | | | | |

Samples received at 11/4/19

911036

SAMPLE CHAIN OF CUSTODY

ME 11-04-19

Page # 2 of 3

7405

Report To Phuc Bich

Company Phuc Co.

Address 1313 Washington St.

City, State, ZIP Sumner, WA, 98390

Phone (206) 321-5565 Email phucbich@phucwa.com

| | | |
|--------------------------------------|--|------------|
| SAMPLES (signature) <u>Phuc Bich</u> | | PO # |
| PROJECT NAME
<u>Forward US</u> | | INVOICE TO |
| REMARKS | | |

| | |
|---|--|
| TURNAROUND TIME | |
| <input checked="" type="checkbox"/> Standard Turnaround | |
| <input type="checkbox"/> RUSH | |
| Rush charges authorized by: | |
| SAMPLE DISPOSAL | |
| <input checked="" type="checkbox"/> Dispose after 30 days | |
| <input type="checkbox"/> Archive Samples | |
| <input type="checkbox"/> Other | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|--------------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|-------------------------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | |
| MTB 24 @ 12' | 11 | 11/4/19 | 9:15am | Soil | 1 | | | | | | | | X <u>Standard sheet</u> |
| MW1 @ 8' | 12 | | 9:45am | | | | | | | | | | |
| MW1 @ 10' | 13 | | 9:45am | | | | | | | | | | |
| MW1 @ 12' | 14 | | 9:45am | | | | | | | | | | |
| MW1 @ 15' | 15 | | 9:45am | | | | | | | | | | |
| MW4 @ 5' | 16 | | 10:45am | | | | | | | | | | X |
| MW4 @ 10' | 17 | | 10:45am | | | | | | | | | | X |
| MW4 @ 15' | 18 | | 10:45am | | | | | | | | | | X |
| MW3 @ 5' | 19 | | 11:30am | | | | | | | | | | X |
| MW3 @ 10' | 20 | | 11:30am | | | | | | | | | | X |

| | | | | | | | |
|-----------------------------------|--|------------------|--|-----------------|--|----------------|---------------|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | TIME |
| Relinquished by: <u>Phuc Bich</u> | | <u>Phuc Bich</u> | | <u>Phuc Co.</u> | | <u>11/4/19</u> | <u>1:00pm</u> |
| Received by: <u>Phuc Bich</u> | | <u>Phuc Bich</u> | | <u>Phuc Co.</u> | | <u>11/4/19</u> | <u>1:00pm</u> |
| Relinquished by: | | | | | | | |
| Received by: | | | | | | | |

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

Samples received at 10 PC

911036

SAMPLE CHAIN OF CUSTODY

ME 11-04-19

Page # 3 of 3

AD5

Report To Dwight Bortel

Company Tent Co

Address 1313 Washington St.

City, State, ZIP Seattle, WA, 98102

Phone 206-221-5565 Email dwbortel@tentco.com

| | | |
|--|--|------------|
| SAMPLES (signature) <u>Dwight Bortel</u> | | PO # |
| PROJECT NAME
<u>Ferwerd IJST</u> | | INVOICE TO |
| REMARKS | | |

| | |
|---|--|
| TURNAROUND TIME | |
| <input checked="" type="checkbox"/> Standard Turnaround | |
| <input type="checkbox"/> RUSH | |
| Rush charges authorized by: | |
| SAMPLE DISPOSAL | |
| <input type="checkbox"/> Dispose after 30 days | |
| <input type="checkbox"/> Archive Samples | |
| <input type="checkbox"/> Other | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | | | | Notes |
|------------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|--|--|--|-------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | | | | |
| MW 3 @ 15' | 21 | 11/4/14 | 11:30 AM | Soil | 1 | | | | | | | | | | | |
| MW 2 @ 5' | 22 | | 12:00 PM | | | | | | | | | | | | | |
| MW 2 @ 10' | 23 | | 12:00 PM | | | | | | | | | | | | | |
| MW 2 @ 15' | 24 | | 12:00 PM | | | | | | | | | | | | | |

| | | | | | | | | | |
|---------------------------------------|--|-------------|--|---------------------|--|---------|--|---------|--|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | | TIME | |
| Relinquished by: <u>Dwight Bortel</u> | | Sgt. Bortel | | Tent Co | | 11/4/14 | | 1:00 PM | |
| Received by: <u>Urban Phan</u> | | Urban Phan | | FERBT | | 11/4/14 | | 1:30 | |
| Relinquished by: | | | | | | | | | |
| Received by: | | | | Samples received at | | 16 | | 00 | |

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

November 26, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on November 18, 2019 from the Farwest UST, F&BI 911263 project. There are 4 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
TNR1126R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 18, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 911263 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 911263 -01 | MW1@9' |
| 911263 -02 | MW1@11' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/26/19
Date Received: 11/18/19
Project: Farwest UST, F&BI 911263
Date Extracted: 11/22/19
Date Analyzed: 11/22/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| MW1@9'
911263-01 | <50 | 120 |
| MW1@11'
911263-02 | 110 | 117 |
| Method Blank
09-2870 MB | <50 | 117 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/26/19

Date Received: 11/18/19

Project: Farwest UST, F&BI 911263

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 911263-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | <50 | 132 | 132 | 50-150 | 0 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 127 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

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

December 18, 2019

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on December 12, 2019 from the Farwest UST, F&BI 912202 project. There are 12 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
TNR1218R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 12, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 912202 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 912202 -01 | MW5@5' |
| 912202 -02 | MW5@10' |
| 912202 -03 | MW5@15' |
| 912202 -04 | XTB101@3' |
| 912202 -05 | XTB101@8' |
| 912202 -06 | XTB101@13' |
| 912202 -07 | XTB103@5' |
| 912202 -08 | XTB103@8' |
| 912202 -09 | XTB103@10' |
| 912202 -10 | XTB103@12' |
| 912202 -11 | XTB103@15' |
| 912202 -12 | XTB104@5' |
| 912202 -13 | XTB104@8' |
| 912202 -14 | XTB104@10' |
| 912202 -15 | XTB104@12' |
| 912202 -16 | XTB104@15' |
| 912202 -17 | XTB105@5' |
| 912202 -18 | XTB105@8' |
| 912202 -19 | XTB105@10' |
| 912202 -20 | XTB105@12' |
| 912202 -21 | XTB105@15' |
| 912202 -22 | XTB106@5' |
| 912202 -23 | XTB106@8' |
| 912202 -24 | XTB106@10' |
| 912202 -25 | XTB106@12' |
| 912202 -26 | XTB106@15' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW5@5' | Client: | Tenor Co., LLC |
| Date Received: | 12/12/19 | Project: | Farwest UST, F&BI 912202 |
| Date Extracted: | 12/13/19 | Lab ID: | 912202-01 |
| Date Analyzed: | 12/13/19 | Data File: | 912202-01.150 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 9.94 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW5@10' | Client: | Tenor Co., LLC |
| Date Received: | 12/12/19 | Project: | Farwest UST, F&BI 912202 |
| Date Extracted: | 12/13/19 | Lab ID: | 912202-02 |
| Date Analyzed: | 12/13/19 | Data File: | 912202-02.151 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|------|
| Lead | 1.03 |
|------|------|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | MW5@15' | Client: | Tenor Co., LLC |
| Date Received: | 12/12/19 | Project: | Farwest UST, F&BI 912202 |
| Date Extracted: | 12/13/19 | Lab ID: | 912202-03 |
| Date Analyzed: | 12/13/19 | Data File: | 912202-03.152 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|----|
| Lead | <2 |
|------|----|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | Method Blank | Client: | Tenor Co., LLC |
| Date Received: | Not Applicable | Project: | Farwest UST, F&BI 912202 |
| Date Extracted: | 12/13/19 | Lab ID: | I9-794 mb |
| Date Analyzed: | 12/13/19 | Data File: | I9-794 mb.127 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

| | |
|------|----|
| Lead | <1 |
|------|----|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/19
Date Received: 12/12/19
Project: Farwest UST, F&BI 912202
Date Extracted: 12/13/19
Date Analyzed: 12/13/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| MW5@5'
912202-01 | 91 | 96 |
| MW5@10'
912202-02 | <50 | 94 |
| MW5@15'
912202-03 | <50 | 97 |
| XTB101@3'
912202-04 | <50 | 89 |
| XTB101@8'
912202-05 | <50 | 95 |
| XTB101@13'
912202-06 | <50 | 98 |
| XTB103@5'
912202-07 | <50 | 90 |
| XTB103@8'
912202-08 | <50 | 96 |
| XTB103@10'
912202-09 | 150 | 90 |
| XTB103@12'
912202-10 | <50 | 97 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/19
Date Received: 12/12/19
Project: Farwest UST, F&BI 912202
Date Extracted: 12/13/19
Date Analyzed: 12/13/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| XTB103@15'
912202-11 | <50 | 95 |
| XTB104@5'
912202-12 | <50 | 97 |
| XTB104@8'
912202-13 | 2,000 | 95 |
| XTB104@10'
912202-14 | 140 | 90 |
| XTB104@12'
912202-15 | 2,900 | 90 |
| XTB104@15'
912202-16 | 84 | 89 |
| XTB105@5'
912202-17 | <50 | 91 |
| XTB105@8'
912202-18 | 170 | 88 |
| XTB105@10'
912202-19 | 830 | 98 |
| XTB105@12'
912202-20 | 110 | 89 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/19
Date Received: 12/12/19
Project: Farwest UST, F&BI 912202
Date Extracted: 12/13/19
Date Analyzed: 12/13/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 53-144) |
|-----------------------------------|---|---|
| XTB105@15'
912202-21 | <50 | 93 |
| XTB106@5'
912202-22 | <50 | 97 |
| XTB106@8'
912202-23 | <50 | 98 |
| XTB106@10'
912202-24 | <50 | 98 |
| XTB106@12'
912202-25 | <50 | 96 |
| XTB106@15'
912202-26 | <50 | 98 |
| Method Blank
09-3029 MB | <50 | 92 |
| Method Blank
09-3030 MB | <50 | 88 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/19

Date Received: 12/12/19

Project: Farwest UST, F&BI 912202

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

Laboratory Code: 912211-02 x5 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|---------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Lead | mg/kg (ppm) | 50 | 34.8 | 93 | 93 | 75-125 | 0 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|---------|--------------------|----------------|----------------------------|------------------------|
| Lead | mg/kg (ppm) | 50 | 100 | 80-120 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/19

Date Received: 12/12/19

Project: Farwest UST, F&BI 912202

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 912202-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 66 | 76 | 80 | 50-150 | 5 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 78 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/19

Date Received: 12/12/19

Project: Farwest UST, F&BI 912202

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: 912202-21 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result
(Wet Wt) | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | <50 | 82 | 80 | 50-150 | 2 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|------------------|--------------------|----------------|----------------------------|------------------------|
| Stoddard Solvent | mg/kg (ppm) | 5,000 | 82 | 60-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

912202

SAMPLE CHAIN OF CUSTODY

ME 12.12-19

Page # 1 of 2

Report To Dave BateCompany Tenr Co.Address 1313 Washington St.City, State, ZIP Sever, WA, 98340Phone (206) 321 5655 Email dumarsch@me.com

| | | |
|---------------------------------------|--|------------|
| SAMPLERS (signature) <u>Dave Bate</u> | | PO # |
| PROJECT NAME <u>Forest USF</u> | | INVOICE TO |
| REMARKS | | |

| | |
|---|---|
| TURNAROUND TIME | SAMPLE DISPOSAL |
| <input checked="" type="checkbox"/> Standard Turnaround
<input type="checkbox"/> RUSH
Rush charges authorized by: | <input checked="" type="checkbox"/> Dispose after 30 days
<input type="checkbox"/> Archive Samples
<input type="checkbox"/> Other |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | | | | Notes |
|-------------------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|------------|--------------|--|----------------|
| | | | | | | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | * Standard | * Total Lead | | |
| <u>Inflow</u> | | | | <u>Soil</u> | 1 | | | | | | | | X | X | | * More 1 Spots |
| <u>Return</u> | | | | | | | | | | | | | | | | |
| <u>Return</u> | | | | | | | | | | | | | | | | |
| <u>Return</u> | | | | | | | | | | | | | | | | |
| <u>MWS 05'</u> | 01 | | | | | | | | | | | | | X | | |
| <u>MWS 010'</u> | 02 | | | | | | | | | | | | | X | | |
| <u>MWS 015'</u> | 03 | | | | | | | | | | | | | X | | |
| <u>MWS 0103'</u> | 04 | | | | | | | | | | | | | | | |
| <u>MWS 0108'</u> | 05 | | | | | | | | | | | | | | | |
| <u>MWS 01013'</u> | 06 | | | | | | | | | | | | | | | |

| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | TIME |
|-----------------------------------|--|-------------------|--|-----------------|--|-----------------|-----------------|
| Relinquished by: <u>Dave Bate</u> | | <u>Dave Bate</u> | | <u>Tenr Co.</u> | | <u>12/12/19</u> | <u>12:20 PM</u> |
| Received by: <u>m/lylms</u> | | <u>Mike Plava</u> | | <u>FCBT</u> | | <u>12/12/19</u> | <u>12:20</u> |
| Relinquished by: | | | | | | | |
| Received by: | | | | | | | |

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

918808

Report To Therese Barte

Company Tenite Co

Address 1313 Washington St.

City, State, ZIP Sumner, WA, 98340

Phone (206)-321-5565 Email clares@tenite.com

came with ref

SAMPLE CHAIN OF CUSTODY

ME 12-12-19

Page # 2 of 3

BT4

| | | |
|---|------------|------|
| SAMPLERS (signature) <u>[Signature]</u> | | PO # |
| PROJECT NAME <u>Forward WSP</u> | | |
| REMARKS | INVOICE TO | |
| Project specific RLS? - Yes / No | | |

| |
|---|
| TURNAROUND TIME |
| <input checked="" type="checkbox"/> Standard turnaround |
| <input type="checkbox"/> RUSH |
| Rush charges authorized by: |
| <input checked="" type="checkbox"/> SAMPLE DISPOSAL |
| <input type="checkbox"/> Archive samples |
| <input type="checkbox"/> Other |
| Default: Dispose after 30 days |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|--------------|--------|--------------|--------------|-------------|-----------|--------------------|----------|---------------|------------|---------------|---------------|------------------------|-------|
| | | | | | | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | |
| XTB103 @ 5' | 07 | | | <u>Seal</u> | 1 | | | | | | | <u>Standard 5/1/19</u> | |
| XTB103 @ 8' | 08 | | | | | | | | | | | | |
| XTB103 @ 10' | 09 | | | | | | | | | | | | |
| XTB103 @ 12' | 10 | | | | | | | | | | | | |
| XTB103 @ 15' | 11 | | | | | | | | | | | | |
| XTB104 @ 5' | 12 | | | | | | | | | | | | |
| XTB104 @ 8' | 13 | | | | | | | | | | | | |
| XTB104 @ 10' | 14 | | | | | | | | | | | | |
| XTB104 @ 12' | 15 | | | | | | | | | | | | |
| XTB104 @ 15' | 16 | | | | | | | | | | | | |

| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | TIME |
|-------------------------------------|--|--------------------|--|------------|-------------------|-----------------|-----------------|
| Relinquished by: <u>[Signature]</u> | | <u>Steve Barte</u> | | <u>BT4</u> | <u>Tenite Co.</u> | <u>12/12/19</u> | <u>12:20 PM</u> |
| Received by: <u>[Signature]</u> | | <u>Nolan Phan</u> | | <u>BT4</u> | | <u>12/12/19</u> | <u>12:20</u> |
| Relinquished by: | | | | | | | |
| Received by: | | | | | | | |

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

SAMPLE CHAIN OF CUSTODY

ME 12-12-19

12.4

Page # 3 of 3

912202

Report To Duane Rabel

Company Tenor Co.

Address 1313 Washington St.

City, State, ZIP Sumner, WA, 98390

Phone (206) 321-5565 Email duane.rabel@tenor.com

Consolidated

| | | |
|---|--|----------------------------------|
| SAMPLERS (signature) <u>[Signature]</u> | | PO # |
| PROJECT NAME
<u>Feared Insr</u> | | INVOICE TO |
| REMARKS | | Project specific RLS? - Yes / No |

| | |
|--|--|
| TURNAROUND TIME | |
| <input type="checkbox"/> Standard turnaround | |
| <input type="checkbox"/> RUSH | |
| Rush charges authorized by: _____ | |
| SAMPLE DISPOSAL | |
| <input type="checkbox"/> Archive samples | |
| <input type="checkbox"/> Other _____ | |
| Default: Dispose after 30 days | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes |
|---------------|--------|--------------|--------------|-------------|-----------|--------------------|----------|---------------|------------|---------------|---------------|---------------|-------|
| | | | | | | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | |
| XTB105(5)5' | 17 | | | Soil | 1 | | | | | | | | X |
| XTB105(8)8' | 18 | | | | | | | | | | | | |
| XTB105(10)10' | 19 | | | | | | | | | | | | |
| XTB105(12)12' | 20 | | | | | | | | | | | | |
| XTB105(15)15' | 21 | | | | | | | | | | | | |
| XTB105(25)25' | 22 | | | | | | | | | | | | |
| XTB105(28)28' | 23 | | | | | | | | | | | | |
| XTB105(30)30' | 24 | | | | | | | | | | | | |
| XTB105(32)32' | 25 | | | | | | | | | | | | |
| XTB105(35)35' | 26 | | | | | | | | | | | | |

| | | | | | | | |
|-------------------------------------|--|--------------------|--|------------------|--|-----------------|----------------|
| SIGNATURE | | PRINT NAME | | COMPANY | | DATE | TIME |
| Relinquished by: <u>[Signature]</u> | | <u>Ske Rabel</u> | | <u>Tenor Co.</u> | | <u>12/12/19</u> | <u>12:00PM</u> |
| Received by: <u>[Signature]</u> | | <u>Duane Rabel</u> | | <u>Tenor Co.</u> | | <u>12/12/19</u> | <u>12:20</u> |
| 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

January 7, 2020

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on December 30, 2019 from the Farwest UST, F&BI 912468 project. There are 4 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
TNR0107R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 30, 2019 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 912468 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 912468 -01 | MW1 |
| 912468 -02 | MW8 |
| 912468 -03 | PW8 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/07/20
Date Received: 12/30/19
Project: Farwest UST, F&BI 912468
Date Extracted: 01/03/20
Date Analyzed: 01/03/20

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| MW1
912468-01 | 10,000 | 91 |
| MW8
912468-02 | 3,400 | 87 |
| PW8
912468-03 | 4,300 | 94 |
| Method Blank
00-52 MB | <50 | 90 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/07/20

Date Received: 12/30/19

Project: Farwest UST, F&BI 912468

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 104 | 104 | 60-130 | 0 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

ME 12/30/19 DOY

Duke B. J.

Tenir Co.

Address 1315 W 5th Ave ST

City, State, ZIP Sumner, WA 98390

Phone # (206) 321-5565 FAX # ~~duenrscd~~ vntfmes224

⑨ concord

Page # of

TURNAROUND TIME

Standard (2 Weeks)

□ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☒ Dispose after 30 days

- Return samples

☐ Will call with instructions

[illegible]

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COCC\COCC.DOC

SIGNATURE

2017

1000

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PRINT NAME: _____

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10-11-19

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COMPANY

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| DATE | TIME |
|------|------|

| DATE | TIME |
|------|------|
|------|------|

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|---|---|
| ✓ | ✓ |
|---|---|

[illegible]

Samples received at 16°C

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

July 13, 2020

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on July 2, 2020 from the Farwest UST, F&BI 007036 project. There are 11 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
TNR0713R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 2, 2020 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 007036 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 007036 -01 | MW2 |
| 007036 -02 | MW3 |
| 007036 -03 | MW4 |
| 007036 -04 | MW5 |
| 007036 -05 | MW6 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/13/20
Date Received: 07/02/20
Project: Farwest UST, F&BI 007036
Date Extracted: 07/07/20
Date Analyzed: 07/08/20

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
(% Recovery)
(Limit 51-134) |
|-----------------------------------|---|--|
| MW2
007036-01 1/1.3 | <65 | 122 |
| MW3
007036-02 1/1.2 | <60 | 124 |
| MW4
007036-03 1/1.3 | <65 | 123 |
| MW5
007036-04 | 250 | 127 |
| MW6
007036-05 | 13,000 | 113 |
| Method Blank
00-1560 MB | <50 | 110 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------|-------------|-------------------------------------|
| Client ID: | MW2 | Client: | Tenor Co., LLC |
| Date Received: | 07/02/20 | Project: | Farwest UST, F&BI 007036 |
| Date Extracted: | 07/06/20 | Lab ID: | 007036-01 and 007036-01 x10 |
| Date Analyzed: | 07/06/20 | Data File: | 007036-01.057 and 007036-01 x10.070 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration
ug/L (ppb) |
|----------|-----------------------------|
|----------|-----------------------------|

| | |
|----------|------|
| Arsenic | 69.8 |
| Cadmium | <1 |
| Chromium | 20.7 |
| Lead | 114 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------|-------------|--------------------------|
| Client ID: | MW3 | Client: | Tenor Co., LLC |
| Date Received: | 07/02/20 | Project: | Farwest UST, F&BI 007036 |
| Date Extracted: | 07/06/20 | Lab ID: | 007036-02 |
| Date Analyzed: | 07/06/20 | Data File: | 007036-02.058 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration
ug/L (ppb) |
|----------|-----------------------------|
|----------|-----------------------------|

| | |
|----------|------|
| Arsenic | 13.7 |
| Cadmium | <1 |
| Chromium | 1.20 |
| Lead | 2.19 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------|-------------|-------------------------------------|
| Client ID: | MW4 | Client: | Tenor Co., LLC |
| Date Received: | 07/02/20 | Project: | Farwest UST, F&BI 007036 |
| Date Extracted: | 07/06/20 | Lab ID: | 007036-03 and 007036-03 x20 |
| Date Analyzed: | 07/06/20 | Data File: | 007036-03.059 and 007036-03 x20.111 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration
ug/L (ppb) |
|----------|-----------------------------|
|----------|-----------------------------|

| | |
|----------|------|
| Arsenic | 100 |
| Cadmium | <1 |
| Chromium | <20 |
| Lead | 6.39 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------|-------------|--------------------------|
| Client ID: | MW5 | Client: | Tenor Co., LLC |
| Date Received: | 07/02/20 | Project: | Farwest UST, F&BI 007036 |
| Date Extracted: | 07/06/20 | Lab ID: | 007036-04 |
| Date Analyzed: | 07/06/20 | Data File: | 007036-04.060 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration
ug/L (ppb) |
|----------|-----------------------------|
|----------|-----------------------------|

| | |
|----------|------|
| Arsenic | 1.59 |
| Cadmium | <1 |
| Chromium | 4.60 |
| Lead | 6.39 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|------------|-------------|--------------------------|
| Client ID: | MW6 | Client: | Tenor Co., LLC |
| Date Received: | 07/02/20 | Project: | Farwest UST, F&BI 007036 |
| Date Extracted: | 07/06/20 | Lab ID: | 007036-05 |
| Date Analyzed: | 07/06/20 | Data File: | 007036-05.061 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration
ug/L (ppb) |
|----------|-----------------------------|
|----------|-----------------------------|

| | |
|----------|------|
| Arsenic | 1.64 |
| Cadmium | <1 |
| Chromium | 1.48 |
| Lead | <1 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

| | | | |
|-----------------|----------------|-------------|--------------------------|
| Client ID: | Method Blank | Client: | Tenor Co., LLC |
| Date Received: | Not Applicable | Project: | Farwest UST, F&BI 007036 |
| Date Extracted: | 07/06/20 | Lab ID: | I0-400 mb |
| Date Analyzed: | 07/06/20 | Data File: | I0-400 mb.041 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration
ug/L (ppb) |
|----------|-----------------------------|
|----------|-----------------------------|

| | |
|----------|----|
| Arsenic | <1 |
| Cadmium | <1 |
| Chromium | <1 |
| Lead | <1 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/13/20

Date Received: 07/02/20

Project: Farwest UST, F&BI 007036

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 82 | 96 | 60-130 | 16 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/13/20

Date Received: 07/02/20

Project: Farwest UST, F&BI 007036

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

Laboratory Code: 007042-01 (Matrix Spike)

| Analyte | Reporting
Units | Spike
Level | Sample
Result | Percent
Recovery
MS | Percent
Recovery
MSD | Acceptance
Criteria | RPD
(Limit 20) |
|----------|--------------------|----------------|------------------|---------------------------|----------------------------|------------------------|-------------------|
| Arsenic | ug/L (ppb) | 10 | <1 | 93 | 92 | 70-130 | 1 |
| Cadmium | ug/L (ppb) | 5 | <1 | 98 | 98 | 70-130 | 0 |
| Chromium | ug/L (ppb) | 20 | <1 | 100 | 99 | 70-130 | 1 |
| Lead | ug/L (ppb) | 10 | <1 | 85 | 85 | 70-130 | 0 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|----------|--------------------|----------------|----------------------------|------------------------|
| Arsenic | ug/L (ppb) | 10 | 95 | 85-115 |
| Cadmium | ug/L (ppb) | 5 | 97 | 85-115 |
| Chromium | ug/L (ppb) | 20 | 97 | 85-115 |
| Lead | ug/L (ppb) | 10 | 97 | 85-115 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

SAMPLE CHAIN OF CUSTODY

Page # _____ of _____

SAMPLERS (signature) *Shirley*

PROJECT NAME/NO.

PO#

Forest HST

PROJECT ADDRESS

327 5. Komen St., Seattle, WA, 98108

Email Address *dwane.adkins@att.net* 2296 Bcomest.net

• ELECTRONIC DATA REQUESTED

TURNAROUND TIME

- Standard Turnaround ☒
- RUSH _____

Rush charges authorized by:

SAMPLE DISPOSAL

- Dispose after 30 days

- Return samples

Samples Received at _____

[illegible]

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by: 81040

Received by:

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PRINT NAME

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COMPANY

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DATE _____

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7/2/70 13:15

1

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

October 23, 2020

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on October 16, 2020 from the Farwest UST, F&BI 010292 project. There are 4 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
TNR1023R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 16, 2020 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 010292 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 010292 -01 | MW2 |
| 010292 -02 | MW3 |
| 010292 -03 | MW4 |
| 010292 -04 | MW5 |
| 010292 -05 | MW6 |
| 010292 -06 | MW7 |
| 010292 -07 | MW10 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/23/20
Date Received: 10/16/20
Project: Farwest UST, F&BI 010292
Date Extracted: 10/20/20
Date Analyzed: 10/21/20

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS
AS STODDARD SOLVENT
USING METHOD NWTPH-D_x
Results Reported as ug/L (ppb)**

| <u>Sample ID</u>
Laboratory ID | <u>Stoddard Solvent Range</u>
(C ₈ -C ₁₁) | <u>Surrogate</u>
<u>(% Recovery)</u>
(Limit 51-134) |
|-----------------------------------|---|---|
| MW2
010292-01 | <250 | 91 |
| MW3
010292-02 | <250 | 88 |
| MW4
010292-03 | <250 | 92 |
| MW5
010292-04 | <250 | 91 |
| MW6
010292-05 | 6,600 | 80 |
| MW7
010292-06 | <250 | 92 |
| MW10
010292-07 | <250 | 95 |
| Method Blank
00-2351 MB | <250 | 91 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/23/20

Date Received: 10/16/20

Project: Farwest UST, F&BI 010292

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
STODDARD SOLVENT USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Percent
Recovery
LCSD | Acceptance
Criteria | RPD
(Limit 20) |
|------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Stoddard Solvent | ug/L (ppb) | 2,500 | 72 | 84 | 60-130 | 15 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

ME 10/16/20 7:03

Page # 1 of 1

PO#

Farnest N St

REMARKS

INVOICE TO

Project Specific RIs - Yes / No

SAMPLE DISPOSAL
☒ Dispose after 30 days
☐ Archive Samples
☐ Other

constitution

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | Notes |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|----------|---------------|---------------|---------------|---------------|-------|
| | | | | | | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | |
| MW 2 | 01 | 10/16/20 | 11:45 AM | | | | | | | | X | |
| MW 3 | 02 | / | 11:55 AM | | | | | | | | | |
| MW 4 | 03 | / | 12:15 PM | | | | | | | | | |
| MW 5 | 04 | / | 12:05 PM | | | | | | | | | |
| MW 6 | 05 | / | 9:10 AM | | | | | | | | | |
| MW 7 | 06 | / | 11:30 AM | | | | | | | | | |
| MW 10 | 07 | X | 9:30 AM | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
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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

November 12, 2020

Duane Bartel, Project Manager
Tenor Co., LLC
1313 Washington St.
Sumner, WA 98390

Dear Mr Bartel:

Included are the results from the testing of material submitted on November 6, 2020 from the Farwest UST, F&BI 011123 project. There are 10 pages included in this report.

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
TNR1112R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 6, 2020 by Friedman & Bruya, Inc. from the Tenor Co., LLC Farwest UST, F&BI 011123 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Co., LLC</u> |
|----------------------|-----------------------|
| 011123 -01 | IN24HR-11-06-20 |
| 011123 -02 | OUT24HR-11-06-20 |

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

| | | | |
|-------------------|-----------------|-------------|--------------------------|
| Client Sample ID: | IN24HR-11-06-20 | Client: | Tenor Co., LLC |
| Date Received: | 11/06/20 | Project: | Farwest UST, F&BI 011123 |
| Date Collected: | 11/06/20 | Lab ID: | 011123-01 |
| Date Analyzed: | 11/10/20 | Data File: | 110922.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| | % | Lower | Upper |
|----------------------|-----------|--------|--------|
| Surrogates: | Recovery: | Limit: | Limit: |
| 4-Bromofluorobenzene | 102 | 70 | 130 |

| Compounds: | Concentration
ug/m3 |
|-----------------------|------------------------|
| APH EC5-8 aliphatics | <40 |
| APH EC9-12 aliphatics | <50 |
| APH EC9-10 aromatics | <25 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

| | | | |
|-------------------|------------------|-------------|--------------------------|
| Client Sample ID: | OUT24HR-11-06-20 | Client: | Tenor Co., LLC |
| Date Received: | 11/06/20 | Project: | Farwest UST, F&BI 011123 |
| Date Collected: | 11/06/20 | Lab ID: | 011123-02 |
| Date Analyzed: | 11/10/20 | Data File: | 110923.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| | % | Lower | Upper |
|----------------------|-----------|--------|--------|
| Surrogates: | Recovery: | Limit: | Limit: |
| 4-Bromofluorobenzene | 89 | 70 | 130 |

| Compounds: | Concentration
ug/m3 |
|-----------------------|------------------------|
| APH EC5-8 aliphatics | <40 |
| APH EC9-12 aliphatics | <50 |
| APH EC9-10 aromatics | <25 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

| | | | |
|-------------------|----------------|-------------|--------------------------|
| Client Sample ID: | Method Blank | Client: | Tenor Co., LLC |
| Date Received: | Not Applicable | Project: | Farwest UST, F&BI 011123 |
| Date Collected: | Not Applicable | Lab ID: | 00-2670 MB |
| Date Analyzed: | 11/09/20 | Data File: | 110910.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| | % | Lower | Upper |
|----------------------|-----------|--------|--------|
| Surrogates: | Recovery: | Limit: | Limit: |
| 4-Bromofluorobenzene | 90 | 70 | 130 |

| Compounds: | Concentration
ug/m3 |
|-----------------------|------------------------|
| APH EC5-8 aliphatics | <40 |
| APH EC9-12 aliphatics | <50 |
| APH EC9-10 aromatics | <25 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|-----------------|-------------|--------------------------|
| Client Sample ID: | IN24HR-11-06-20 | Client: | Tenor Co., LLC |
| Date Received: | 11/06/20 | Project: | Farwest UST, F&BI 011123 |
| Date Collected: | 11/06/20 | Lab ID: | 011123-01 |
| Date Analyzed: | 11/10/20 | Data File: | 110922.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| | % | Lower | Upper |
|----------------------|-----------|--------|--------|
| Surrogates: | Recovery: | Limit: | Limit: |
| 4-Bromofluorobenzene | 104 | 70 | 130 |

| Compounds: | Concentration | |
|--------------|---------------|---------|
| | ug/m3 | ppbv |
| Benzene | 0.48 | 0.15 |
| Toluene | <19 | <5 |
| Ethylbenzene | <0.43 | <0.1 |
| m,p-Xylene | 1.2 | 0.28 |
| o-Xylene | <0.43 | <0.1 |
| Naphthalene | 0.084 j | 0.016 j |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|------------------|-------------|--------------------------|
| Client Sample ID: | OUT24HR-11-06-20 | Client: | Tenor Co., LLC |
| Date Received: | 11/06/20 | Project: | Farwest UST, F&BI 011123 |
| Date Collected: | 11/06/20 | Lab ID: | 011123-02 |
| Date Analyzed: | 11/10/20 | Data File: | 110923.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| | %
Recovery: | Lower
Limit: | Upper
Limit: |
|-------------------------------------|----------------|-----------------|-----------------|
| Surrogates:
4-Bromofluorobenzene | 91 | 70 | 130 |

| Compounds: | Concentration | |
|--------------|---------------|---------|
| | ug/m3 | ppbv |
| Benzene | 0.44 | 0.14 |
| Toluene | <19 | <5 |
| Ethylbenzene | <0.43 | <0.1 |
| m,p-Xylene | 1.0 | 0.23 |
| o-Xylene | <0.43 | <0.1 |
| Naphthalene | 0.057 j | 0.011 j |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|----------------|-------------|--------------------------|
| Client Sample ID: | Method Blank | Client: | Tenor Co., LLC |
| Date Received: | Not Applicable | Project: | Farwest UST, F&BI 011123 |
| Date Collected: | Not Applicable | Lab ID: | 00-2670 MB |
| Date Analyzed: | 11/09/20 | Data File: | 110910.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| | % | Lower | Upper |
|----------------------|-----------|--------|--------|
| Surrogates: | Recovery: | Limit: | Limit: |
| 4-Bromofluorobenzene | 92 | 70 | 130 |

| Compounds: | Concentration | |
|--------------|---------------|----------|
| | ug/m3 | ppbv |
| Benzene | <0.32 | <0.1 |
| Toluene | <19 | <5 |
| Ethylbenzene | <0.43 | <0.1 |
| m,p-Xylene | <0.87 | <0.2 |
| o-Xylene | <0.43 | <0.1 |
| Naphthalene | <0.057 j | <0.011 j |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/12/20

Date Received: 11/06/20

Project: Farwest UST, F&BI 011123

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR VOLATILES BY METHOD MA-APH**

Laboratory Code: 011163-02 1/8.3 (Duplicate)

| Analyte | Reporting
Units | Sample
Result | Duplicate
Result | RPD
(Limit 30) |
|-----------------------|--------------------|------------------|---------------------|-------------------|
| APH EC5-8 aliphatics | ug/m3 | <330 | <330 | nm |
| APH EC9-12 aliphatics | ug/m3 | <410 | <410 | nm |
| APH EC9-10 aromatics | ug/m3 | <210 | <210 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|-----------------------|--------------------|----------------|----------------------------|------------------------|
| APH EC5-8 aliphatics | ug/m3 | 67 | 77 | 70-130 |
| APH EC9-12 aliphatics | ug/m3 | 67 | 85 | 70-130 |
| APH EC9-10 aromatics | ug/m3 | 67 | 101 | 70-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/12/20

Date Received: 11/06/20

Project: Farwest UST, F&BI 011123

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR VOLATILES BY METHOD TO-15**

Laboratory Code: 011163-02 1/8.3 (Duplicate)

| Analyte | Reporting
Units | Sample
Result | Duplicate
Result | RPD
(Limit 30) |
|--------------|--------------------|------------------|---------------------|-------------------|
| Benzene | ug/m3 | <2.7 | <2.7 | nm |
| Toluene | ug/m3 | <160 | <160 | nm |
| Ethylbenzene | ug/m3 | <3.6 | <3.6 | nm |
| m,p-Xylene | ug/m3 | <7.2 | <7.2 | nm |
| o-Xylene | ug/m3 | <3.6 | <3.6 | nm |
| Naphthalene | ug/m3 | <2.2 | <2.2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Benzene | ug/m3 | 43 | 102 | 70-130 |
| Toluene | ug/m3 | 51 | 106 | 70-130 |
| Ethylbenzene | ug/m3 | 59 | 98 | 70-130 |
| m,p-Xylene | ug/m3 | 120 | 102 | 70-130 |
| o-Xylene | ug/m3 | 59 | 101 | 70-130 |
| Naphthalene | ug/m3 | 71 | 78 | 70-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

11-06-20

concentration

TURNAROUND TIME
☒ Standard
☐ RUSH _____
 Rush charges authorized by: _____

SAMPLE DISPOSAL
☒ Default: Clean after 3 days
☐ Archive (Fee may apply)

| SAMPLE INFORMATION | | | | | | | | | | ANALYSIS REQUESTED | | | | | | |
|--------------------|--------|-------------|---------------|--|--------------|--------------------|--------------------|------------------|------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------|-------------|------------------------------------|
| Sample Name | Lab ID | Canister ID | Flow Cont. ID | Reporting Level:
IA=Indoor Air
SG=Soil Gas
(Circle One) | Date Sampled | Initial Vac. ("Hg) | Field Initial Time | Final Vac. ("Hg) | Field Final Time | TO15 Full Scan | TO15 BTEXN | TO15 cVOCs | APH | Helium | Naphthalene | do not forget TO15 Full Scan Notes |
| I-24 NR-11-08-20 | OJ | | | IA / SG | 11/6/20 | 29" | 125 PM | 9" | 11:56 AM | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| Oat 24 NR-11-08-20 | DZ | | | IA / SG | 11/6/20 | 31" | 1:25 PM | " " | 11:50 AM | <input checked="" type="checkbox"/> | | | | | | |
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| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|---------------------|------------|---------|----------|
| Relinquished by: <i>[Signature]</i> | Shye Patel | Target Co. | 11/6/20 | 12:25 PM |
| Received by: <i>[Signature]</i> | Anna Webster Bruger | F45 | 11/6/20 | 12:25 |
| Relinquished by: | | | | |
| Received by: | | | | |

Appendix D: Treatment System Documents

Carbon Filtering Notes

Remediation of Soil impacted by leaking of mineral spirits from FarWest Paint, Inc's UST.

Project Started: UST removed in 2009

Current date: May, 2020

- See subsequent pages for specifications and procurement information for Carbon Canisters used in the Vapor Extraction Systems and Ground Water Processing system for this project.
- Over the period of this remediation (2009 to present), a total of twelve 55-gallon drums of vapor-phase processing granulated activated carbon have been used to process approximately 600 pounds of vapor phase mineral spirits (Stoddard solvent). This would be roughly equivalent to a bit less than 100 gallons of mineral spirits if expressed as a liquid. Ten of these drums have been disposed of and two are currently still unspent and are installed and currently operational in the VES system installed in the environmental shed. Note: See Disposal section of the Appendix for disposition of the ten spent drums.
- Other carbon used in this UST remediation project was 55 gallons of liquid-processing granulated activated carbon that was incorporated into the ground-water processing system in the environmental shed as a near-final-stage polishing operation to increase the efficiency of the processing system. This carbon processed about 50 pounds of liquid phase mineral spirits before being spent, which would be equivalent to about 7 gallons of liquid phase mineral spirits. Note: See Disposal section for its disposition.
- In 2018, when the groundwater processing system was upgraded to incorporate three packed column air strippers, the VES system was modified to add a Positive Pressure Section that used positive pressure to push the Exhaust air stream from the air strippers, first, through a dedicated air-water separator, then through a series of activated carbon bed filters, followed by a set of four activated carbon filter Elements. The granulated activated carbon used was drawn from 2 of the 55-gallon drums procured from Alaska Logistics in 2018. Approximately 20 carbon filter elements were consumed total. Sampling the exhaust stream was from a port just downstream of the filter elements, immediately before the exhaust grill. Note: See Disposal Section of the Appendix for disposal of spent carbon.

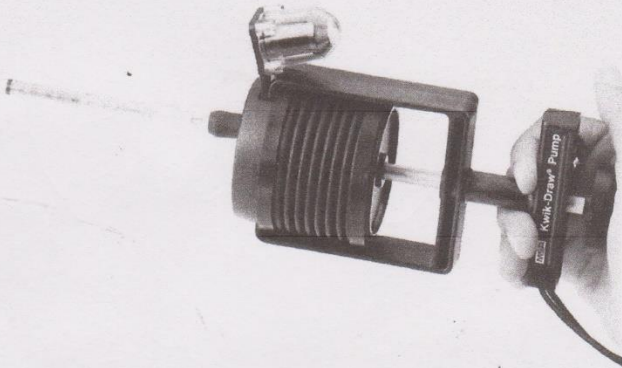

**Mineral Spirits
VOC Vapor Monitoring**

- **Original VES Carbon Canisters**
- **Upgraded VES Carbon for Pressure Filtration
System (downstream from Air Strippers)**
- **Offices**
- **Warehouse**
- **2010 Dirt Stockpile (2' x 4' x 100' trench in warehouse)**


MSA

Glass Detector Tube, Detects For Aromatic Hydrocarbons, 5.0 to 500 ppm Measuring Range

Item # **4LP64** Mfr. Model # **804132** Catalog Page # **N/A** UNSPSC # **41113116**



Kwik-Draw® Sampling Pump



MSA AUER
804132 8088-811
Aromaten
5...300 ppm C₆H₆
Touren
F1
Kurzzeitschichten
Short-term detector tubes
Tubes pour des mesures ponctuelles
Tubos detectoras para tiempo
Fiesta rápida e temporaria
Kurzzeit-Probierglas
Kontrollgerät
Kontrollgerät

Aromat, Kohlenwasserstoffe
Aromatic hydrocarbons
Hydrocarbures aromatiques
Hidrocarburos aromáticos
Idrocarburi aromatici
Aromatische koolwaterstoffen
Aromatische koolwaterstoffen
Aromatische koolwaterstoffen

Glass Detector Tube, Detects For Aromatic Hydrocarbons, 5.0 to 500 ppm

Item # **4LP64** Mfr. Model # **804132** Catalog Page # **N/A** UNSPSC # **41113116**



Detector Tube

Aromatic Hydrocarbons

Part No.: 804132

MSA AUER

Instructions for Use

- 1 **Application**
Detection of aromatic hydrocarbons.
- 2 **Detector Tube Sampling Pump**
MSA AUER Gas-Tester® II H, Kwik-Draw™ Pump, Gas-Tester® I/ ThumbPump™ Sampler, Toximeter® II or other suitable detector tube pumps. Observe respective instructions for use.
- 3 **Measuring Range**
5 ppm ... 300 ppm benzene (C₆H₆) at n=10 (10 pump strokes).
- 4 **Chemical Reaction and Color Change**
Oxidation of aromatic hydrocarbons by a iodate/ sulfuric acid reagent.
Color change: white → brown.
- 5 **Sampling Procedure**
 - Check detector tube pump for leakage
 - Break off both tube tips.
 - Insert detector tube tightly into pump.
Gas-Tester, Kwik-Draw pump, ThumbPump Sampler: Arrow on tube must point toward the pump.
Toximeter II: Insert tube into outlet side (blue arrow). Arrow on tube points away from pump.
Factor: see package.
 - Perform 10 pump strokes.
 - Read concentration at end of color zone within 2 minutes after sampling.
 - Duration of one pump stroke: 10 ... 20 seconds.
- 6 **Ambient Conditions During Sampling**
Detector tubes can be used between 5 °C and 40 °C (41 °F and 104 °F) and up to 80 % rh (40 g/m³ at 40 °C [104 °F]).
- 7 **Measurement of other Aromatic Hydrocarbons**
The table specifies the concentration (C) of every substance listed which is equivalent to the tube reading (C_{benz}) (in number of pump strokes). Mixtures of different aromatic hydrocarbons may be detected semi quantitatively only.
- 8 **Interferences and Cross Sensitivities**
 - a) No interference from:
 - hydrogen, methane, ethane, carbon dioxide,
 - propane up to 2 vol%.
 - b) higher saturated hydrocarbons (e. g. hexanes, octanes), olefinic hydrocarbons (e. g. ethylene), carbon monoxide, hydrogen sulfide will be indicated by a slight brown discoloration.
- 9 **Overall Uncertainty**
Up to ± 40% in the range above 50 ppm benzene.
(expressed as relative standard deviation).
- 10 **Storage and Transport**
Up to 25 °C (77 °F) and protected from light. Expiration date: see back of package.
- 11 **Safety Advice / Disposal**
For tubes contents the following indications of danger apply:
R: 21/22-24.
Safety advice S: 2-24/25-26-28(water).
Tubes must be kept away from unauthorized persons. For disposal of tubes as waste observe the legal regulations applicable in the individual country of use.

Manufactured by MSA AUER GmbH, Germany

www.msa-tubes.com

Tubos Detectores

Hidrocarburos Aromáticos

No de pedido: 5086-811

MSA AUER



Kwik-Draw® Sampling Pump Operation and Maintenance

- Deluxe Model with End-of-Stroke Indicator (P/N 487500)
- Basic Model (P/N 488543)

The Kwik-Draw Pump is designed to measure concentrations of gases and vapors when used with AUER/MSA Detector Tubes.

Description

The Kwik-Draw Pump is a one-handed, manually-operated bellows pump of 100 cc capacity.

Tube Holder

This rubber part permits mounting of detector tubes, remote sampling lines or other detectors.

Filter Disc

This porous plastic disc mounted in the rubber Tube Holder protects the Pump from dirt and dust particles which may alter the flow or damage the pump.

Exhaust Valve

Located under the valve cover, this valve closes as the bellows re-inflates, and readily opens on the exhaust stroke so blow-back through the tube holder is negligible.

Stroke Counter

For convenience, a stroke counter is incorporated into the Pump handle.

End-of-stroke Indicator

As the bellows begins to re-inflate, and after the knob is released, the indicator eyeball turns high-visibility green. As the vacuum decreases, the eye begins to roll back to black. The stroke is over when the eye is all black.

NOTE: Kwik-Draw Pump (P/N 488543) does not have an end-of-stroke indicator.

Operation

1. Using the breaker on the Pump, break off both tips of the Detector Tube.
2. Using a twisting motion, insert the Tube into the rubber tube holder. The arrow on the Tube should point toward the Pump.
3. Re-zero stroke counter.
4. With all four fingers on the handle, depress the knob with your palm.

NOTE: Watch the stroke counter; to ensure proper sample volume, the counter will only advance if a full pump stroke is taken.

5. Release the knob.

6. As the Pump re-inflates, the end-of stroke indicator turns to high-visibility green. The stroke is over when the eye returns to the all black state.

NOTE: If your Pump does not have the end-of-stroke indicator, wait 30 seconds after full bellows inflation to ensure that all 100 cc of the sample is drawn through the tube. The Detector Tube must be held in the sampling area during this period.

7. To evaluate the stain, follow the instructions provided with the Detector Tubes.

Remote Sampling

Remote sampling is accomplished by putting the pump, connecting tube, remote sampling line and Detector Tube together, in that order.

Maintenance

Under conditions of normal use, this Pump should require little maintenance. Depending on the frequency of use, periodic cleaning and checks for correct performance are recommended.

Tube Holder

Replace the Tube Holder when it shows signs of wear or loss of elasticity. If filter is not clogged or cracked, save the Filter Disc for re-use in the new Tube Holder.

Filter Disc

Periodically remove the Filter Disc for cleaning or replacement.

1. Remove the Filter Disc from the Tube Holder by rolling the flange part of the Tube Holder down and away from the Disc.
2. Gently tap or blow on the surface to remove any foreign matter.
3. Replace Disc so previously exposed surface is once again facing away from Pump.

Shaft

If the shaft is dirty or the bellows inflation is jerky, remove the shaft by unscrewing; then, clean with auto wax.

Valves

1. With the valve cover removed, check the valves for dirt or debris.
2. Remove dirt with a gentle puff of air or by using a soft brush.
3. Replace valve(s) if necessary.

NOTE: Apply a very thin film of lubricant to the ball and sealing surface of the valve before installing (see FIGURE).

Pump Performance Test

After extended idleness and periodically during use, check the Pump for proper performance with the following test:

Field Leakage Test

1. Plug the Pump inlet by inserting an unbroken Detector Tube into the Tube Holder.
2. Deflate the Pump fully, release, and wait 10 minutes. The Pump is leak-free if the distance from the bellows to the frame is 1/2-inch or greater after 10 minutes. If the Pump leaks, check the Tube Holder and, if necessary, the valves (see "Maintenance"). After repair, re-test for leakage.

CAUTION

Use of a Pump that leaks may result in the under-estimation of a hazard and could result in property damage, injury or death.

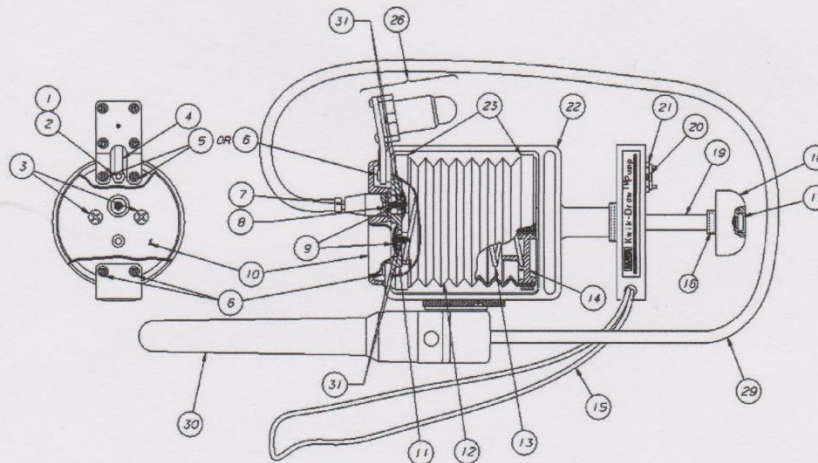
If Pump performance is inadequate and cannot be corrected by these measures, return the Pump to MSA for repair. Call (1-800-MSA-2222) for the location of your nearest service center.

| ITEM NO. | DESCRIPTION | PART NO. |
|----------|--|----------|
| ** 1 | Elbow Fitting | 634181 |
| 2 | Plug, 10-32 | 630019 |
| 3 | Screw, 6-32 x 5/8 | 634373 |
| ** 4 | Tubing | 603278 |
| ** 5 | Screw, 4-40 x 1/2 | 634372 |
| 6 | Screw, 4-40 x 5/16 | 634371 |
| 7 | Tube Holder | 463801 |
| 8 | Filter Disk | 463799 |
| 9 | Valve with Item 31 | 627409 |
| 10 | Cover Assembly | 489006 |
| 11 | Front Cap | 487501 |
| 12 | Bellows Replacement Kit
Bellows with Rings
Belt, 2 each (Item 23) | 488940 |
| 13 | spring | 487490 |
| 14 | Back Cap | 487520 |
| 15 | Wrist Strap | 488034 |
| 16 | Roll Pin | 627587 |
| 17 | Screw, 10-32 x 3/8 | 634374 |
| 18 | Knob | 487074 |
| 19 | Shaft | 487487 |
| 20 | Screw, 4 x 3/8 self tapping | 628515 |
| 21 | Counter | 487833 |
| 22 | Frame with Bushings | 487601 |
| 23 | Belt | 634542 |
| ** 26 | End-of-Stroke Indicator Assembly
Indicator
Screw, 2 each (Item 5)
Tubing (Item 4)
Elbow Fitting (Item 1) | 488835 |
| * 27 | Pouch | 488394 |
| * 28 | Instructions | 488781 |
| *** 29 | Tubing, 20" | 602294 |
| ***30 | Holder Assembly | 485233 |
| 31 | Lubricant | 28317 |

*Listed but not shown

**Deluxe model only

***Hazmat kit only



2009-2011

| Mineral Spirits Vapor Monitoring Log | | | | | | | | |
|--------------------------------------|-----------|---------|-----------------|--------------------|-----------|---------|--------|--------|
| 2009 | | | DRUM # | | | | | |
| Date / | | | 1 1/2 | Test Equip/ | Test Tube | PEL/TLV | | |
| Canister# | Warehouse | Offices | VES 1 | Model | Range | TWA | Odor? | Tester |
| 7/28 | <100 | <50 | 6 | MSA AVER
804132 | 400 | 400 | MILD | DB |
| 8/24 | <100 | <50 | 15 | " | " | " | STRONG | DB |
| 9/26 | <100 | <100 | 15 | DIRT PILE
>400 | " | " | STRONG | DB |
| 10/25 | <50 | <10 | 1 1/2
INSTLD | <400 | " | " | MILD | DB |
| 11/28 | <100 | ND | 10 | <100 | " | " | NO | DB |
| 12/30 | <100 | ND | 10 | MSA AVER
804132 | " | " | NO | DB |
| 1/29 | <110 | ND | 2 1/2 | " | " | " | NO | DB |
| 2/27 | ND | ND | <100 | " | " | " | MILD | DB |
| 3/28 | " | " | >100 | " | " | " | MILD | DB |
| 4/30 | " | " | <300 | " | " | " | STRONG | DB |
| 5/29 | " | " | >300 | " | " | " | STRONG | DB |
| 6/30 | ND | ND | 3 1/4
100 | " | " | " | MILD | DB |
| 7/30 | " | " | 150 | " | " | " | MILD | DB |
| 8/28 | " | " | 150 | " | " | " | MILD | DB |
| 9/26 | " | " | 200 | " | " | " | MILD | DB |
| 10/29 | " | " | 250 | " | " | " | MILD | DB |
| 11/28 | " | " | <300 | " | " | " | STRONG | DB |
| 12/31 | " | " | >300 | " | " | " | STRONG | DB |
| 1/28 | " | " | 5 1/4
0 | " | " | " | NO | DB |
| 2/26 | " | " | 20 | " | " | " | NO | DB |
| 3/28 | " | " | 50 | " | " | " | NO | DB |
| 4/21 | " | " | 100 | " | " | " | MILD | DB |
| 5/27 | " | " | 150 | " | " | " | MILD | DB |

VERSION 1
R1

2011 – 2017

| 2011 | Mineral Spirits Vapor Monitoring Log | | | | | | | | |
|-----------|--------------------------------------|---------|-------------|--------------------|-----------------------|---------|--------|--------|----|
| 2017 | | | DRUMS | | | | | | |
| Date / | | | 546 | Test Equip/ | Test Tube | PEL/TLV | VES | | |
| Canister# | Warehouse | Offices | VES 1 | Model | Range | TWA | Odor? | Tester | |
| 6/28/11 | 0 | 0 | 100 | MSA AEDR
804132 | 400 | 400 | NO | DB | |
| 7/30 | NO | NO | >100 | — | — | — | SLIGHT | DB | |
| 8/27 | NO | NO | <300 | — | — | — | STRONG | DB | |
| 9/29 | NO | NO | >300 | — | — | — | STRONG | DB | |
| 10/28 | 0 | 0 | 546
<100 | MSA AEDR
804132 | 400 | 400 | SLIGHT | DB | |
| 11/27 | NO | NO | >100 | " | " | " | " | DB | |
| 12/27 | NO | NO | <200 | — | — | — | STRONG | DB | |
| 2012 | 1/28/12 | 0 | 0 | >200 | 804132 | 400 | 400 | " | DB |
| | 4/31 | NO | NO | >200 | — | — | — | " | DB |
| | 8/28 | NO | NO | <300 | — | — | — | " | DB |
| 2013 | 1/30/13 | 0 | 0 | <300 | 804132 | 400 | 400 | " | DB |
| | 4/24 | NO | NO | 300 | — | — | — | " | DB |
| | 8/27 | NO | NO | >300 | Need to replace drums | | STRONG | DB | |
| 2014 | 1/30/14 | NO | NO | OFF | — | — | 400 | NO | DB |
| | 6/30 | " | " | " | — | — | " | NO | " |
| 2015 | 1/28/15 | " | " | " | — | — | " | NO | " |
| | 6/29 | " | " | " | — | — | " | NO | " |
| 2016 | 1/29/16 | " | " | " | — | — | " | NO | " |
| | 6/30 | " | " | " | — | — | " | NO | " |
| 2017 | 1/30/17 | " | " | " | — | — | " | NO | " |
| | 6/28 | " | " | " | — | — | " | NO | " |
| 2018 | 8/17 | <100 | <20 | OFF | — | — | " | NO | " |
| | 8/18 | <100 | <50 | OFF | — | — | 400 | NO | DB |

Removed 3rd set stirred Re-installed 3rd set

STARTED 18X18X7 EXCAVATION

VERSION 1

VES OFF

Note: No Renters 2018 - 2020
 NOTE: VES 2 went operational in August 2018

| Mineral Spirits Vapor Monitoring Log | | | | | | | | | | |
|--------------------------------------|-----------|-----------|-------|------------|-------------|----------------------------|---------|---------|--------|----|
| 2018 | | Canisters | | | | | | | | |
| Date / | | | 7/18 | 7/19 | Test Equip/ | Test Tube | PEL/TLV | | | |
| Canister# | Warehouse | Offices | VES 1 | VES 2 | Model | Range | TWA | Odor? | Tester | |
| NEW DUMPS 7, 8 & 9 | 8/25 | NO | NO | <100 | 100 | MSA AVER 804132 | 400 | 400 ppm | NO/YES | DB |
| | 9/28 | NO | NO | <300 | 300 | " | " | " | NO/YES | DB |
| | 10/22 | <10 | <5 | >300 | 300 | " | " | " | SLIGHT | DB |
| NEW DUMPS 10, 11 & 12 | 11/28 | NO | — | 10/11 <100 | 121 >100 | " | " | " | NONE | DB |
| | 12/27 | NO | — | >100 | >300 | ← Replaced w/ Fresh carbon | | " | DB | |
| 2019 | 1/25 | NO | — | <300 | >100 | — | — | — | " | DB |
| | 2/28 | — | — | — | — | — | — | — | " | DB |
| | 3/31 | — | — | — | — | — | — | — | " | DB |
| | 4/30 | — | — | — | — | — | — | — | " | DB |
| | MAY 19 | — | — | — | — | — | — | — | NONE | DB |
| | JUNE 19 | — | — | — | — | — | — | — | NONE | DB |
| | JULY 19 | <100 | <50 | — | — | MSA AVER 804132 | 400 | 400 | MILD | DB |
| | 8/28 | >100 | <100 | — | — | — | — | — | STRONG | DB |
| | 9/30 | >100 | 50 | OFF | OFF | MSA AVER 804132 | 400 | 400 | STRONG | DB |
| | 10/29 | <100 | 50 | " | " | " | 400 | 400 | MILD | DB |
| | 11/29 | 50 | ND | " | " | " | 400 | 400 | SLIGHT | DB |
| | 12/26 | — | — | — | — | — | — | — | NONE | DB |
| | 1/29 | — | — | OFF | OFF | — | — | — | NONE | DB |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

ND = Non Detect

p = part of drum to fill bed filter

* - Each time 300 ppm was reached, bed filtration switched out for clean.

VERSION 2

MSDS attached

PERMISSIBLE EXPOSURE LIMITS

Stoddard Solvent PEL = 500 ppm avg. over 8 hr work shift

Occupational Health Guideline for**Stoddard Solvent**

Niosh Recommendations 350

MSDS says
PEL & TLV & TWA
are all 400 ppm**INTRODUCTION**

This guideline is intended as a source of information for employees, employers, physicians, industrial hygienists, and other occupational health professionals who may have a need for such information. It does not attempt to present all data; rather, it presents pertinent information and data in summary form.

SUBSTANCE IDENTIFICATION

- Formula: Generally C₈ through C₁₁ paraffins (85%) and aromatics (15%)
- Synonyms: Dry cleaning safety solvent; mineral spirits
- Appearance and odor: Colorless liquid with kerosene-like odor.

PERMISSIBLE EXPOSURE LIMIT (PEL)

The current OSHA standard for Stoddard solvent is 500 parts of Stoddard solvent per million parts of air (ppm) averaged over an eight-hour work shift. This may also be expressed as 2950 milligrams of Stoddard solvent per cubic meter of air (mg/m³). NIOSH has recommended that the permissible exposure limit for refined petroleum products, including Stoddard solvent, be reduced to 350 mg/m³ averaged over a work shift of up to 10 hours per day, 40 hours per week, with a ceiling level of 1800 mg/m³ measured over a 15-minute period. The NIOSH Criteria Document for Refined Petroleum Products should be consulted for more detailed information.

HEALTH HAZARD INFORMATION

• Routes of exposure

Stoddard solvent can affect the body if it is inhaled, comes in contact with the eyes or skin, or is swallowed.

• Effects of overexposure

1. **Short-term Exposure:** Overexposure to Stoddard solvent causes irritation of the eyes, nose, and throat, and

may cause dizziness. Very high air concentrations may cause unconsciousness and death.

2. **Long-term Exposure:** Prolonged overexposure to the liquid may cause skin irritation.

3. **Reporting Signs and Symptoms:** A physician should be contacted if anyone develops any signs or symptoms and suspects that they are caused by exposure to Stoddard solvent.

• Recommended medical surveillance

The following medical procedures should be made available to each employee who is exposed to Stoddard solvent at potentially hazardous levels:

1. **Initial Medical Examination:**

—A complete history and physical examination: The purpose is to detect pre-existing conditions that might place the employee at increased risk, and to establish a baseline for future health monitoring. Examination of the skin, liver, blood, urine, and central nervous system should be stressed.

—Skin: Stoddard solvent is a defatting agent and can cause dermatitis on prolonged exposure. Persons with pre-existing skin disorders may be more susceptible to the effects of this agent.

—Liver function tests: Stoddard Solvent may cause liver damage. A profile of liver function should be obtained by utilizing a medically acceptable array of biochemical tests.

—Urinalysis: The kidneys may be affected by Stoddard solvent. Since kidney damage has been observed from exposure, a urinalysis should be performed to include, at a minimum, specific gravity, albumin, glucose, and a microscopic on centrifuged sediment.

—A complete blood count: A complete blood count should be performed, including a red cell count, a white cell count, a differential count of a stained smear, as well as hemoglobin and hematocrit.

—Respiratory system examination: In persons with impaired pulmonary function, especially those with obstructive airway diseases, the breathing of Stoddard solvent might cause exacerbation of symptoms due to its irritant properties.

These recommendations reflect good industrial hygiene and medical surveillance practices and their implementation will assist in achieving an effective occupational health program. However, they may not be sufficient to achieve compliance with all requirements of OSHA regulations.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service Centers for Disease Control
National Institute for Occupational Safety and Health

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

September 1978

1

2. Periodic Medical Examination: The aforementioned medical examinations should be repeated on an annual basis.

• **Summary of toxicology**

Stoddard solvent vapor is a mild narcotic and a mucous membrane irritant. Since it contains both aliphatic and aromatic hydrocarbons in varying concentrations, toxicologic opinion is based upon deductions as to the relative health hazard of the different fractions. The vapor of the aliphatic fractions is chiefly nonane and isodecane. The aromatic component is considered to be more toxic. Stoddard solvent has an odor threshold of about 4 to 5 mg/m³ and olfactory fatigue has been observed in about 6 minutes at low concentrations. Eye irritation was reported in a test exposure of human subjects at 850 mg/m³. Industrial exposures to unknown but fairly high concentrations over long periods have resulted in headaches, eye, nose, and throat irritation, fatigue, marrow hypoplasia and, in extreme cases, death. Dermal exposures to the liquid solvent have caused dermatitis and jaundice.

CHEMICAL AND PHYSICAL PROPERTIES

• **Physical data**

1. Molecular weight: 144 (approximately)
2. Boiling point (760 mm Hg): 150 to 200 C (302 to 392 F)
3. Specific gravity (water = 1): 0.78
4. Vapor density (air = 1 at boiling point of Stoddard solvent): 5
5. Melting point: Data not available
6. Vapor pressure at 20 C (68 F): 2 mm Hg (estimate)
7. Solubility in water, g/100 g water at 20 C (68 F): Insoluble
8. Evaporation rate (butyl acetate = 1): Less than 1

• **Reactivity**

1. Conditions contributing to instability: Heat
2. Incompatibilities: Contact with strong oxidizing agents may cause fires and explosions.
3. Hazardous decomposition products: Toxic gases and vapors (such as carbon monoxide) may be released in a fire involving Stoddard solvent.
4. Special precautions: Stoddard solvent will attack some forms of plastics, rubber, and coatings.

• **Flammability**

1. Flash point: 38.7 to 60 C (102 to 140 F) (closed cup)
2. Autoignition temperature: 226 to 260 C (440 to 500 F)
3. Flammable limits in air, % by volume: Lower: 0.8
4. Extinguishant: Carbon dioxide, dry chemical, foam

• **Warning properties**

1. Odor Threshold: May give an odor threshold of 30 ppm for Stoddard solvent (mineral spirits). According to the AIHA *Hygienic Guide* for Stoddard solvent, "most Stoddard solvents have a petroleum odor that is perceptible at about 1 ppm."

2 Stoddard Solvent

2. Eye Irritation Level: Grant states that "the vapor of Stoddard solvent is perceptively irritating to human eyes at 400 ppm."

3. Evaluation of Warning Properties: Through its odor and irritant effects, Stoddard solvent can be detected below the permissible exposure limit. For the purposes of this guideline, therefore, Stoddard solvent is treated as a material with good warning properties.

MONITORING AND MEASUREMENT PROCEDURES

• **Eight-Hour Exposure Evaluation**

Measurements to determine employee exposure are best taken so that the average eight-hour exposure is based on a single eight-hour sample or on two four-hour samples. Several short-time interval samples (up to 30 minutes) may also be used to determine the average exposure level. Air samples should be taken in the employee's breathing zone (air that would most nearly represent that inhaled by the employee).

• **Ceiling Evaluation**

Measurements to determine employee ceiling exposure are best taken during periods of maximum expected airborne concentrations of Stoddard solvent. Each measurement should consist of a fifteen (15) minute sample or series of consecutive samples totalling fifteen (15) minutes in the employee's breathing zone (air that would most nearly represent that inhaled by the employee). A minimum of three (3) measurements should be taken on one work shift and the highest of all measurements taken is an estimate of the employee's exposure.

• **Method**

Sampling and analyses may be performed by collection of Stoddard solvent vapors using an adsorption tube with subsequent desorption with carbon disulfide and gas chromatographic analysis. Also, detector tubes certified by NIOSH under 42 CFR Part 84 or other direct-reading devices calibrated to measure Stoddard solvent may be used. An analytical method for Stoddard solvent is in the *NIOSH Manual of Analytical Methods*, 2nd Ed., Vol. 3, 1977, available from the Government Printing Office, Washington, D.C. 20402 (GPO No. 017-033-00261-4).

RESPIRATORS

• Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the permissible exposure level. However, there are some exceptions where respirators may be used to control exposure. Respirators may be used when engineering and work practice controls are not technically feasible, when such controls are in the process of being installed, or when they fail and need to be supplemented. Respirators may also be used for operations which require entry into tanks or closed

September 1978

vessels, and in emergency situations. If the use of respirators is necessary, the only respirators permitted are those that have been approved by the Mine Safety and Health Administration (formerly Mining Enforcement and Safety Administration) or by the National Institute for Occupational Safety and Health.

- In addition to respirator selection, a complete respiratory protection program should be instituted which includes regular training, maintenance, inspection, cleaning, and evaluation.

PERSONAL PROTECTIVE EQUIPMENT

- Employees should be provided with and required to use impervious clothing, gloves, face shields (eight-inch minimum), and other appropriate protective clothing necessary to prevent repeated or prolonged skin contact with liquid Stoddard solvent.
- Clothing wet with liquid Stoddard solvent should be placed in closed containers for storage until it can be discarded or until provision is made for the removal of Stoddard solvent from the clothing. If the clothing is to be laundered or otherwise cleaned to remove the Stoddard solvent, the person performing the operation should be informed of Stoddard solvent's hazardous properties.
- Any clothing which becomes wet with liquid Stoddard solvent should be removed promptly and not reworn until the Stoddard solvent is removed from the clothing.
- Employees should be provided with and required to use splash-proof safety goggles where liquid Stoddard solvent may contact the eyes.

SANITATION

- Skin that becomes wet with liquid Stoddard solvent should be promptly washed or showered with soap or mild detergent and water to remove any Stoddard solvent.

COMMON OPERATIONS AND CONTROLS

The following list includes some common operations in which exposure to Stoddard solvent may occur and control methods which may be effective in each case:

| Operation | Controls |
|---|---|
| Use as a solvent in dry cleaning industry | Process enclosure; local exhaust ventilation; personal protective equipment |
| Use in paint and varnish industries | General dilution ventilation |

Operation

Use as a solvent for printing inks and textile-printing industries

Use in manufacture of aerosol sprays as a solvent for paints, varnishes, and insecticides

Use in manufacture of sprays for pesticides, herbicides, household cleaners, and silicone compounds

Use as a solvent and thinner in protective coating materials

Use in metal cleaning and degreasing; and in leather degreasing

Use as a general solvent in fabric water-proofing, processing of synthetic yarns, extraction of fats and oils, as a tackifying agent for rubber, in rubber cements, and in polishes

Controls

General dilution ventilation; local exhaust ventilation; personal protective equipment

General dilution ventilation; local exhaust ventilation; personal protective equipment

General dilution ventilation; local exhaust ventilation; personal protective equipment

General dilution ventilation; local exhaust ventilation; personal protective equipment

Process enclosure; local exhaust ventilation; personal protective equipment

Local exhaust ventilation; general dilution ventilation; personal protective equipment

EMERGENCY FIRST AID PROCEDURES

In the event of an emergency, institute first aid procedures and send for first aid or medical assistance.

• Eye Exposure

If Stoddard solvent gets into the eyes, wash eyes immediately with large amounts of water, lifting the lower and upper lids occasionally. If irritation persists after washing, get medical attention. Contact lenses should not be worn when working with this chemical.

• Skin Exposure

If Stoddard solvent gets on the skin, promptly wash the contaminated skin using soap or mild detergent and water. If Stoddard solvent soaks through the clothing, remove the clothing immediately and wash the skin using soap or mild detergent and water. If irritation persists after washing, get medical attention.

• Breathing

If a person breathes in large amounts of Stoddard solvent, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration.

Keep the affected person warm and at rest. Get medical attention as soon as possible.

- **Swallowing**

If Stoddard solvent has been swallowed, do not induce vomiting. Get medical attention immediately.

- **Rescue**

Move the affected person from the hazardous exposure. If the exposed person has been overcome, notify someone else and put into effect the established emergency rescue procedures. Do not become a casualty. Understand the facility's emergency rescue procedures and know the locations of rescue equipment before the need arises.

SPILL, LEAK, AND DISPOSAL PROCEDURES

- Persons not wearing protective equipment and clothing should be restricted from areas of spills or leaks until cleanup has been completed.

- If Stoddard solvent is spilled or leaked, the following steps should be taken:

1. Remove all ignition sources.
2. Ventilate area of spill or leak.
3. For small quantities, absorb on paper towels. Evaporate in a safe place (such as a fume hood). Allow sufficient time for evaporating vapors to completely clear the hood ductwork. Burn the paper in a suitable location away from combustible materials. Large quantities can be collected and atomized in a suitable combustion chamber. Stoddard solvent should not be allowed to enter a confined space, such as a sewer, because of the possibility of an explosion.

- Waste disposal methods:

Stoddard solvent may be disposed of:

1. By absorbing it in vermiculite, dry sand, earth or a similar material and disposing in a secured sanitary landfill.
2. By atomizing in a suitable combustion chamber.

REFERENCES

- American Conference of Governmental Industrial Hygienists: "Stoddard Solvent," *Documentation of the Threshold Limit Values for Substances in Workroom Air* (3rd ed., 2nd printing), Cincinnati, 1974.
- American Industrial Hygiene Association: "Stoddard Solvent," *Hygienic Guide Series*, Detroit, Michigan, 1975.
- Davis, A., et al.: "The Effects on Human Volunteers of Exposure to Air Containing Gasoline Vapor," *Archives of Environmental Health*, 1:548-554, 1960.
- Grant, W. M.: *Toxicology of the Eye* (2nd ed.), C. C. Thomas, Springfield, Illinois, 1974.
- May, J.: "Solvent Odor Thresholds for the Evaluation of Solvent Odors in the Atmosphere," *Staub-Reinhalt*, 26:9, 385-389, 1966.
- National Institute for Occupational Safety and Health, U.S. Department of Health, Education, and Welfare: *Criteria for a Recommended Standard . . . Occupational Exposure to Refined Petroleum Products*, HEW Publication No. (NIOSH) 77-192, U.S. Government Printing Office, Washington, D.C., 1977.
- Patty, F. A. (ed.): *Toxicology*, Vol. II of *Industrial Hygiene and Toxicology* (2nd ed. rev.), Interscience, New York, 1963.
- Sax, N. I.: *Dangerous Properties of Industrial Materials* (3rd ed.), Van Nostrand Reinhold, New York, 1968.

RESPIRATORY PROTECTION FOR STODDARD SOLVENT

| Condition | Minimum Respiratory Protection*
Required Above 500 ppm |
|---|---|
| Vapor Concentration | |
| 1000 ppm or less | A chemical cartridge respirator with a full facepiece and an organic vapor cartridge(s). |
| 5000 ppm or less | A gas mask with a chin-style or a front- or back-mounted organic vapor canister.
Any supplied-air respirator with a full facepiece, helmet, or hood.
Any self-contained breathing apparatus with a full facepiece. |
| Greater than 5000 ppm or entry and escape from unknown concentrations | Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode.

A combination respirator which includes a Type C supplied-air respirator with a full facepiece operated in pressure-demand or other positive pressure or continuous-flow mode and an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive pressure mode. |
| Fire Fighting | Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode. |
| Escape | Any gas mask providing protection against organic vapors.
Any escape self-contained breathing apparatus. |

*Only NIOSH-approved or MSHA-approved equipment should be used.



SAFETY DATA SHEET: REGULAR MINERAL SPIRITS

IN CASE OF TRANSPORTATION EMERGENCY CONTACT:

CHEMTREC:(800) 424-9300

ALL OTHER INQUIRIES:

(770) 904-7042 // www.ciscochem.com
266 Rue Cezzan Lavonia, GA 30553



1. IDENTIFICATION

CAS # 8052-41-3

SYNONYMS:

Naphtha, stoddard solvent, mineral spirits, white spirit

GENERIC CHEMICAL NAME:

Naphtha, high paraffinic, stoddard solvent, naphtha solvent

PRODUCT TYPE:

Substance

Mineral Spirits MSDS

*NOTE: legal limit of exposure in the US
PEL = Personal Exposure Limit = 500 ppm*

*Exposure over 8hr Day → TWA = Time Weighted Average = 100 ppm
Lifetime Exposure → TLV = Threshold Limit Value = 100 ppm*

2. HAZARDS IDENTIFICATION

APPEARANCE:

COLORLESS LIQUID

ODOR:

PETROLEUM SOLVENT

SIGNAL WORD:

WARNING!

FLAMMABLE LIQUID AND VAPOR
STATIC ACCUMULATING LIQUID CAN BECOME ELECTROSTATIC ALLY
IN BONDED AND GROUNDED EQUIPMENT; SPARKS MAY IGNITE LIQUID
AND VAPOR MAY CAUSE FLASH FIRE
HARMFUL IF SWALLOWED, CAN ENTER LUNGS AND CAUSE DAMAGE
MAY CAUSE CHRONIC EFFECTS
MAY CAUSE SKIN IRRITATION
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY TRACT IRRITATION
PROLONGED SKIN CONTACT MAY CAUSE IRRITATION

EXPOSURE ROUTES:

INHALATION, INGESTION, SKIN AND/OR EYE CONTACT

PHYSICAL:

KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER
TIGHTLY CLOSED. USE ONLY WITH ADEQUATE VENTILATION.
AVOID SPARK PROMOTERS. GROUND/BOND CONTAINER AND
EQUIPMENT. THESE ALONE MAY BE INSUFFICIENT TO REMOVE
STATIC ELECTRICITY

EYES:

AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING

**SDS: REGULAR MINERAL
SPIRITS**

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SKIN: AVOID CONTACT WITH SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING

SYMPTOMS OF OVER EXPOSURE: IRRITATION TO EYES, NOSE, THROAT; DIZZINESS; DERMATITIS; CHEMICAL PNEUMONITIS (aspiration liquid)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: PRE-EXISTING DISORDERS INVOLVING ANY TARGET ORGANS MENTIONED IN THIS MSDS ARE BEING AT RISK MAY BE AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT.

CHRONIC EFFECTS:

3. COMPOSITION

| CAS # | COMPONENT | PERCENT |
|-----------|------------------|---------|
| 8052-41-3 | STODDARD SOLVENT | 100 |

HAZARDOUS CONSTITUENT(S) CONTAINED IN COMPLEX SUBSTANCES

| CAS # | COMPONENT | PERCENT |
|------------|-----------------------------------|---------|
| 100-41-4 | ETHYL BENZENE | 0.1 |
| 111-84-2 | NONANE | 1.0-8.0 |
| 25551-13-7 | TRIMETHYL BENZENE (mixed isomers) | 0.5-5.0 |

Component Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Stoddard solvent, Ethyl Benzene, Nonane, Trimethyl Benzene (See Section 8)

4. FIRST AID MEASURES

EYES

Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

SKIN

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

INHALATION:

Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

INGESTION:

DO NOT INDUCE VOMITING. If conscious, rinse out mouth with water. Get medical attention immediately.

NOTE TO PHYSICIANS

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE FIGHTING MEASURES

Flammable Properties

This product is a flammable static accumulating liquid. Static accumulating liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor may cause flash fire. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Restrict flow velocity to avoid build-up of static charge. Refer to NFPA 77, API 2003, and CENELEC CLC/TR 50404 for further guidance.

Extinguishing Media

Use dry chemical, CO₂, water spray (FOG) or foam

Specific Hazards Arising from Chemical

Elevated temperatures can lead to the formation of irritating fumes and vapors. Decomposition products may include the following materials: Carbon dioxide and Carbon monoxide.

Protective Equipment and Precautions for Firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Methods for Containment

Stop leak if without risk.

Methods for Cleanup

Move containers from spill area. Approach release from upwind. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Handling Procedures

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Use non-sparking tools.

Shipping and Storing Procedures

Store in accordance with local regulations. Store in a segregated and approved area. Keep in the original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials. Do not store in unlabeled containers. Store and use away from heat, sparks, open flame or any other ignition source. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers that retain product residue may be hazardous. Do not reuse container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Component Exposure Limits

Stoddard Solvent

| | | | | |
|------------|------|---------|------|------------|
| ACGIH TLV: | TWA: | 100ppm | | |
| OSHA PEL: | TWA: | 500 ppm | TWA: | 2900 mg/m3 |

| | | | | |
|---|------------------------|---------|------|-----------|
| NIOSH REL: | TWA: | N/A ppm | TWA: | 350 mg/m3 |
| NIOSH Ceiling: | 1800 mg/m3 [15 minute] | | | |
| Ethyl Benzene
ACGIH TLV: | TWA: | 20 ppm | TWA: | N/A mg/m3 |
| OSHA PEL: | TWA: | 100 ppm | TWA: | 435 mg/m3 |
| Nonane
ACGIH TLV: | TWA: | 200 ppm | | |
| Trimethyl Benzene (all isomers)
ACGIH TLV: | TWA: | 25 ppm | | |

N/A signifies not available.

ENGINEERING CONTROLS

This product is a static accumulating liquid. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Material should be handled in enclosed vessels and equipment. Use only in adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

EYE/FACE PROTECTION

Chemical goggles or face shield

SKIN PROTECTION

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times. Coveralls, apron, and boots as necessary to minimize contact.

RESPIRATORY PROTECTION

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on known or anticipated exposure levels.

GENERAL HYGIENE

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Please see the Product Specification Sheet for further information.

| | |
|------------------------------------|-------------------|
| Appearance: | Colorless |
| Odor: | Petroleum solvent |
| Physical State: | Liquid |
| Flash Point (f): | 105 |
| Boiling Point (f): | >310 |
| Vapor Pressure
(mm Hg at 20°C): | 0.62 |
| Water Soluble: | NO |

| | |
|--------------------------|---------------|
| Specific Gravity (g/cc): | .77 |
| Density (lbs/gal) | 6.4 |
| PH: | Not available |

10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|--|
| Stability: | Stable under normal conditions. If heated, product's static accumulation will rise and could cause flash fire. |
| Polymerization: | No polymerization |
| Incompatibility: | Strong acids and oxidizing materials |
| Conditions to Avoid: | High temperatures, sparks, flames |
| Hazardous Decomposition Products: | Does not decompose at ambient temperatures |

11. TOXICOLOGICAL INFORMATION

Acute Exposure
Minimally toxic. Negligible hazards at ambient/normal handling temperatures.

Respiratory Irritation
If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.

Eye Irritation
May cause eye irritation. Vapors formed from heating may cause eye irritation.

Skin Irritation
May cause skin irritation

Sensitization
Not expected to cause skin or respiratory sensitization.

Component Analysis – LD50 / LC50
Acute Toxicity Estimate (ATE) Values for Product:

| | |
|---------------------|--------------|
| Inhalation LC50 Rat | 21 mg/L 1 HR |
| Oral LD50 Rat | >7000 mg/kg |
| Dermal LD50 Rabbit | >2000 mg/kg |

Chronic Exposure

Target Organ Effects
Vapor/aerosol concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death. Prolonged or repeated direct exposure to the skin results in symptoms of irritation and redness, dermatitis or oil acne.

Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

Carcinogenicity

Contains Ethyl Benzene which is considered a carcinogen under IARC. It has caused cancer in laboratory animal studies. The relevance of these findings to humans is uncertain.

Mutagenicity

No data available to indicate product or any components present at greater than .1% are mutagenic or genotoxic.

Reproductive Toxicity

No data available to indicate either product or components present at greater than .1% that may cause reproductive toxicity.

Teratogenicity

No data available to indicate product or any components contained at greater than .1% may cause birth defects.

12. ECOLOGICAL INFORMATION

Component Analysis- Ecotoxicity – Aquatic Life

| Duration/T est/Species | Concentrations/Conditions |
|------------------------|---------------------------|
| 96 Hr LC50 | N/A mg/L |
| Pimephals promelas | |

Degradability Not determined

Bioaccumulation Not determined

Soil Mobility Not determined

13. DISPOSAL CONSIDERATIONS

Disposal Instructions

The generation of waste should be avoided or minimized wherever possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

14. TRANSPORT INFORMATION

EMERGENCY RESPONSE GUIDE NUMBER: 128

U.S. DOT BULK (OVER 119 GALLONS)

UN 1268, PETROLEUM DISTILLATES , N.O.S. (Naphtha solvent), 3, PG III, combustible liquid

Bulk container must be labeled on two opposing sides

U.S. DOT Non-bulk (under 119 gallons)

Not regulated.....Exempt from labeling and placarding unless shipped via Air or Vessel

*Truck/Rail car must be placarded on all 4 sides if aggregate gross weight exceeds 1,000 pounds

15. REGULATORY INFORMATION

SARA Extremely Hazardous

**SDS: REGULAR MINERAL
SPIRITS**

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Substances (Sections 302 & 304)

This product does not contain greater than 1% of any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA Section 313

This product contains the following components in concentrations greater than 0.1% for carcinogenic substances and/or 1.0% of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Ethyl Benzene (CASRN: 100-41-4): 0.1%

1,2,4 Trimethylbenzene (CASRN: 95-63-6): 2.7%

SARA Section 311 & 312 Classifications

| | |
|--------------------|-----|
| Acute Hazard: | NO |
| Chronic Hazard: | YES |
| Fire Hazard: | YES |
| Reactivity Hazard: | NO |

CERCLA

This product contains the following components listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4:

Ethyl Benzene (CASRN: 100-41-4): 0.1% RQ=1,000 lbs.

CALIFORNIA PROP 65

This product contains chemical(s) known to the state of California to cause cancer and/or birth defects.

Clean Water Act / Oil Pollution Act

This product may be subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424- 8802.

PA RIGHT TO KNOW ACT

This product contains the following components listed under the Pennsylvania Right To Know Act:

Stoddard Solvent (CASRN: 8052-41-3)

N-Decane (CASRN: 124-18-5)

N-Nonane (CASRN: 111-84-2)

1,2,4 Trimethylbenzene (CASRN: 95-63-6)

Ethyl Benzene (CASRN: 100-41-4)

Global Chemical Inventories

| INVENTORY | COMPONENT
ALL COMPONENTS |
|-------------|-----------------------------|
| US TSCA | Present* |
| EU | Present |
| JAPAN | Not available |
| AUSTRALIA | Present |
| NEW ZEALAND | Present |
| CANADA | Present |
| SWITZERLAND | Not Available |
| KOREA | Present |
| PHILIPPINES | Present |
| CHINA | Present |
| TAIWAN | Present |

*May be subject to TSCA 12b export notification. Contains Nonane (CASRN: 111-84-2) at 7.85%.

16. OTHER INFORMATION

US NFPA Ratings

HEALTH
1

FIRE
2

INSTABILITY
0

HIMIS RATINGS

HEALTH
1*

FIRE
2

PHYSICAL HAZARDS
0

Precautionary Labels

Signal Word

WARNING!

Flammable liquid and vapor

Static accumulating liquid can become electrostatically charged even in bonded and grounded equipment; Sparks may ignite liquid and vapor may cause flash fire

Harmful if swallowed, can enter lungs and cause damage

May cause chronic effects

May cause skin irritation

May cause eye irritation

May cause respiratory tract irritation

Prolonged skin contact may cause irritation

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Date Created: 4/7/2015

Date Updated: 4/7/2015

VISA/MC CHARGE FORM

H2 Oil Recovery Equipment, Inc. is authorized to make the following charges to the listed credit card account below:

Date: 5/27/2009

Company: Tenor Company, LLC.

Card name: DUANE M. BARTEL

| | |
|----------|------------|
| Amount: | \$1,040.00 |
| Shipping | \$190.00 |
| Tax \$ | 120.71 |

Carbon

Total \$1,350.71

Items: (2) VSC-200 Vapor Phase Carbon Vessels each filled with Carbon
H2 Ref # 290322

Card #: [REDACTED]

Exp Date: 4/12

Signature: Duane Bartel

Ship to: Customer Pick Up Rental
Carbon Drop Ship Inc.

Carbon Canisters

Phone discussion w/ Chad Bundy 9/30/2009

Disposal: Siemens

15403 NE Castles Rd
Brush Prairie, WA, 98606**VISA/MC CHARGE FORM**H2 Oil Recovery Equipment, Inc. is authorized to make the following charges to the listed credit card account below: *Chad Bundy 541-382-7070
chad@oilrecovery.com*Date: 9/30/2009Company: Tenor Company/Duane Bartell• 1 carbon drum absorbs
about 50# of solvent
or 28 gallons/drumCard name: MasterCard

Amount: \$1,040.00

Shipping \$190.00

Tax \$ 120.71

Total \$1,350.71

• \$250 lab analysis
+ \$200 packing
• \$150 disposal fee for
spent canisters
• fbi@isomedia.comItems: (2) VSC-200 Vapor Phase Carbon Vessels each filled with Carbon
H2 Ref # 290322Card #: [REDACTED]CarbonExp Date: 4/12Signature: Duane Bartell

Ship to:

327 S. Kenyon Street
Seattle, WA, 98108John Picarello
Siemens - Info on Carbon Canisters
800-926-8420



Alaska-Logistics LLC
(866) 585 3281

Home | Voyages ☒ | Ports ☒ | AL Equipment ☒ | Employment | Contact Information and Directions
Rates and Forms | Contact us | Hours

8:00 am - 4:30 pm

Telephone numbers:

Office: (206) 767-2555
Toll Free: (866) 585-3281
After hrs: (206) 799-1840
After hrs: 206-799-1555

Mailing Address

P.O. Box 3512
Seattle, WA 98124-3512

E mail:

info@alaska-logistics.com
sales@alaska-logistics.com

Warehouse and Office location:

Seattle, WA 98108

Seward office:

1101 Port Ave, Seward, AK 99664
Telephone number after hrs: (907) 422-7128 Fax number: (907) 224-6434

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Seattle Receiving & Administrative Assistant

Lily Kornachuk

lily@alaska-logistics.com

*In 2018,
Alaska Logistics traded us 6
unused 55 gallon drums of granulated
activated carbon for rent.
Made deal w/ Allyn Long, President
of Alaska Logistics.
Delivered to us by Steve Sauerbrey*

[Signature]
2018

Water Technologies

Westates™ brand
Vent-Scrub™
Vapor Phase
Adsorbers**SIEMENS****APPLICATIONS**

The Westates™ brand Vent-Scrub™ adsorbers have been proven to be the simplest and most cost effective way to treat malodorous and VOC emission problems. Sturdy steel construction and specially formulated corrosion resistant internal coating ensures long service life and low maintenance. Applications for Vent-Scrub™ adsorbers include:

- API separator vents
- VOC control from soil vapor extraction (SVE) systems and airstrippers
- Wastewater and product storage tank vents
- Process vents
- Refinery and chemical plant wastewater sewer vents
- Laboratory hood exhausts

INSTALLATION, STARTUP AND OPERATION

Siemens can provide a total service package that includes utilizing OSHA trained personnel providing on-site carbon changeouts, packaging and transportation of spent carbon for recycling at our reactivation facilities, where the contaminants are thermally destroyed.

We provide instructions on sampling the spent carbon and completion of our spent carbon profile form. Spent carbon acceptance testing can be performed at our certified laboratory. When requested, a certificate of reactivation will be issued.

**BENEFITS AND DESIGN FEATURES**

- Durable, carbon steel construction.
- Abrasion and corrosion resistant baked epoxy lining; urethane exterior finish (Vent-Scrub™ 1000, 2000, 3000, 8000 adsorbers).
- Ready-to-use systems: simple installation and operation.
- Applications to 3000 SCFM.
- The Vent-Scrub™ 1000, 2000, 3000 and 8000 adsorbers have forklift channels for easy handling.
- The Vent-Scrub™ 200, 400, 1000 and 2000 adsorbers are UN/DOT approved transportation containers for RCRA hazardous spent carbon.
- Hose kit and pipe manifold options are available to simplify installation and operation.

PIPING MANIFOLD (OPTIONAL)

- 2" / 1.315" sch 80 PVC piping and valves (optional carbon steel and stainless steel piping).
- Series or parallel operation.
- Sampling ports and pressure gauges.
- Flexible hoses with Kamlock fittings allow easy installation and removal during service exchange operations (Vent-Scrub™ 200, 400, 1000 and 2000 adsorbers).

| SPECIFICATIONS | | | | | |
|--|-----------|-----------|-----------------------|------------------|-------------------|
| Vent-Scrub™ Model No. | 200 | 400 | 1000/2000 | 3000 | 8000 |
| Dimensions, diameter x overall height | 22" x 34" | 30" x 43" | 48" x 56"/48" x 8' 0" | 60" x 9' 3" | 96" x 11' 0" |
| Inlet Connection | 2" FNPT | 4" FNPT | 4" FNPT | 10" Flange | 12" Flange |
| Outlet Connection | 2" MPT | 4" FNPT | 4" FNPT | 10" Flange | 12" Flange |
| Manway | Top | Top | 18" Top | 16" Top | 20" Top/Side |
| Internal Distribution ⁽¹⁾ | PVC | PVC | PVC | FRP/PPL | FRP/PPL |
| Interior Coating | Epoxy | Epoxy | Epoxy | Epoxy | Epoxy |
| Exterior Coating | Enamel | Enamel | Epoxy/Urethane | Epoxy/Urethane | Epoxy/Urethane |
| Carbon Fill Volume (Cu.ft.) | 6.8 | 14 | 34/68 | 107 | 273 |
| Cross Sectional Area (sq.ft.) | 2.8 | 4.9 | 12.3 | 19.6 | 50.2 |
| Approx. Carbon Weight (lbs) | 200 | 400 | 1000/2000 | 3000 | 8000 |
| Empty Vessel Weight (lbs) | 250 | 480 | 890/1190 | 2500 | 4500 |
| Flow, CFM (max.) | 100 | 300 | 500 | 1500 | 3750 |
| Pressure, psig (max.) | 3 | 3 | 14.9 | 5 | 5 |
| Temperature, deg. F (max) ⁽⁴⁾ | 140 | 140 | 140 | 140 | 140 |
| Vacuum, in. Hg (max.) | N/A | N/A | 12/12 ⁽²⁾ | 6 ⁽³⁾ | 12 ⁽³⁾ |

¹Carbon steel and stainless steel internals are also available.

²For vacuum greater than 12 in. Hg on Vent-Scrub™ 2000, contact your Siemens representative.

³For vacuum service on Vent-Scrub™ 3000 and Vent-Scrub™ 8000, contact your Siemens representative.

⁴For higher temperatures, stainless and carbon steel internals are available.

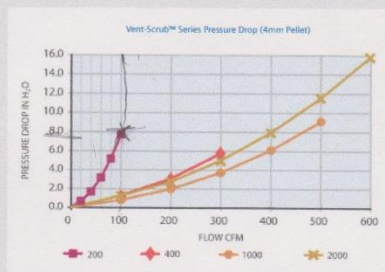
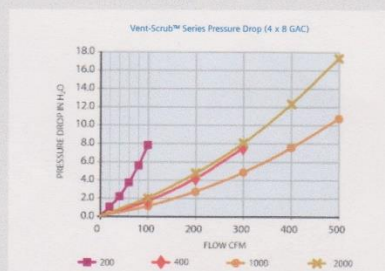
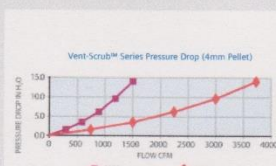
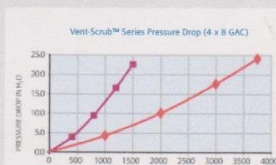
For detailed dimensional information or drawings, contact your local Siemens sales representative.

VENT-SCRUB™ ADSORBERS SAFETY CONSIDERATIONS

The adsorption of organic contaminants on activated carbon is an exothermic process, i.e. involves the release of heat.

Certain chemical compounds such as ketones, aldehydes, organic acids and organic sulfur compounds may form reactive species on the carbon surface and under certain conditions may lead to a high temperature rise. If you are unaware or unsure of reactions that may occur, appropriate tests should be performed before installing the Vent-Scrub adsorbers.

At high VOC concentrations of organic compounds the heat of adsorption can lead to an increase in carbon bed temperature. The heat can be controlled by a number of techniques such as a dilution of the inlet flow, nitrogen blanketing of the carbon system or prewetting of the carbon bed.



The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

Westates and Vent-Scrub are trademarks of Siemens, its subsidiaries or affiliates.

Siemens
Water Technologies

Environmental Services
2430 Rose Place
Roseville, MN 55113
800.525.0658 phone

information.water@siemens.com
WS-VSC-DS-0207
©2007 Siemens Water Technologies Corp.
Subject to change without prior notice.

Ordered using EDT MC on 4/15/10

**H2 Oil Recovery Equipment, Inc.
VISA/MC Credit Card Authorization Form**

H2 Oil Recovery Equipment, Inc. is authorized to make the following charges to the listed credit card account below:

With this order, total carbon drums = ~~8~~ 6
@ 4/15/2010

Date: April 14, 2010

Company: Tenor Company / Duane Bartel

Name on Card: Master Card

Amount: \$ 1,060.00

Shipping \$ -

Tax \$ 82.00

Total \$ 1,142.00

Items: (2) VSC-200 Carbon Drums
WILL CALL - Picked Up in
~~North South Bend, OR.~~
Brush Prairie, WA

Card #: [REDACTED]

Exp Date: 4/12

Signature: *Duane Bartel*

Ship to: Will Call @ Siemens

15403 NE Caples Rd

Brush Prairie, WA

98606

Return by e-mail or fax to 541-382-2242

Thank you for your order!

Summary of 2010 VES and Ground-water Processing Design

System was designed and consulted by Chad Bundy of H2Oil, South Bend, Oregon.

System Components Description (In order of flow):

Line from 55 gallon settling drum in peristaltic pump cabinet to 3-filter filter set.

Line from Filter Set to Knock out drum/Air-Water Separator.

Rotron, 3 HP, 240 volt, 3-Phase Regenerative Vacuum with variable speed inverter.

Fuji, 1 HP, 120 volt, Regenerative Blower for Air Stripper Tote. Originally used for bubbler in air stripper tote, and providing passive exhaust through carbon canisters at times when GW processing was on but VES was off to process fumes for GW processing tanks and free product production drums. See Appendix D-34 for details.

Valves

Gauges

275-gallon tote configured as air stripper.

300-gallon tote configured for skimming/decanting.

Discharge line from decanting tote to center of plume.

FarWest Paint UST Mineral Spirits

Free Product Recovery, Processing and Disposal

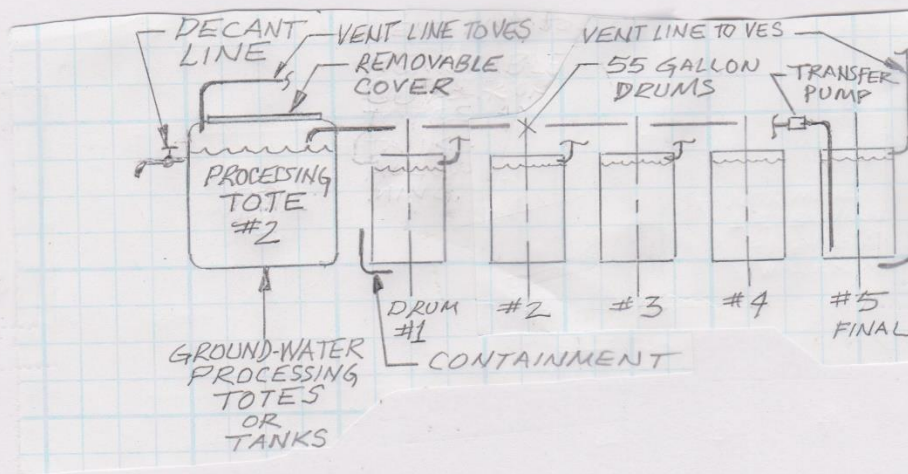
2010 – 2019

2010 -2019: Initially, skimming and decanting was performed several times per week from the original processing system's skimming/ decanting tote. In the early days of processing, it would often have a meniscus layer of approximately .020 to .040 thick after several days of accumulation. Skimmed and decanting product was initially accumulated into one clean, empty drum secured after each session with a gasket-fitted lid. When that drum was full, another drum was added and skimming/ decanting expanded to include not only the decanting drum, but also the first drum. As skimming of that drum filled the second drum, a third drum was added and so forth, until a total of six drums were involved in the concentration process. A sump pump was installed in the bottom of drum 6 so that whenever product was to be added to drum 6, an equal amount of product was pumped out of the bottom of that drum and directed to drum one for recycling. Theoretically, the drum that should have had the highest purity of concentrated product, drum 6, never accumulated more than about a quarter inch of pure product and even that broke down over time. This leads me to the conclusion that this product, after being underground for 60 years, constantly exposed to ground water and soil rich in iron oxide and natural chemistry, bacteria and forces all combining to promote natural corrosion, oxidation and degeneration of the pure product, resulted in fragmentation and degradation of the pure product to the point that it cannot even be accumulated anymore as pure product.

The final product, when tested by Friedman and Bruya, from drum #6, which should have been yielding product close to pure (one billion parts per billion), could only produce a lab result of 6,200 ppb for drum #6. Surprisingly, the product actually tested purer in the lower numbered drums. This leads me to conclude that the product (mineral spirits) has become so corroded over the decades that even mild processing (pumping, skimming, decanting and limited exposure to oxygen) results in rapid and aggressive breaking down of the product.

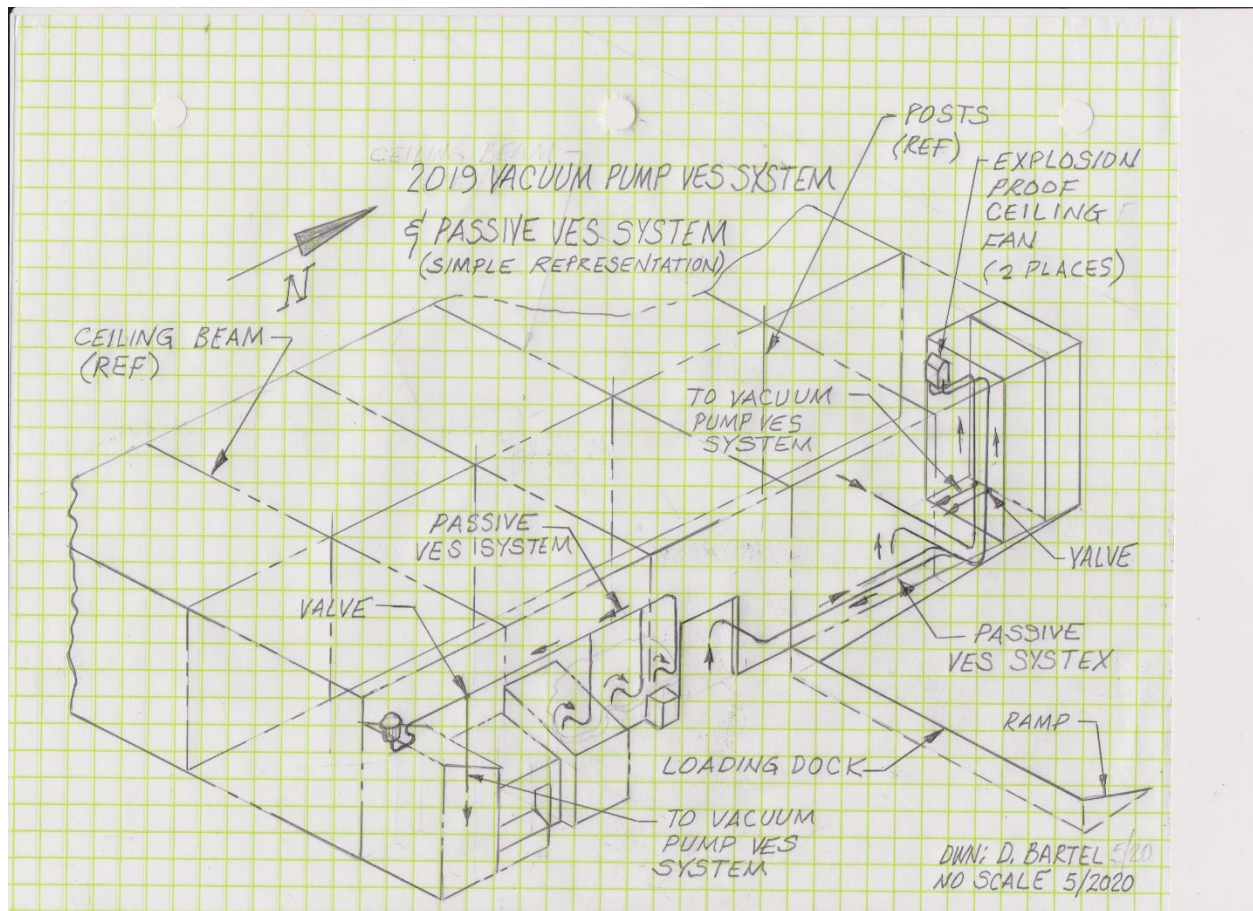
When the system was upgraded in 2018, use of the six free product recovery drums was eliminated. The contents of all the drums was run through the upgraded system, including processing by the Organoclay and Aquatic Carbon polishing operation. Though experience showed no pure product was achievable with this system due to the effects of product corrosion due to age (60 years underground) and exposure to natural effects of its containment environment, what VOCs remained were completely consumed by the upgraded ground-water and VES processing systems (specifically, the contributions of air stripping, organoclay, aquatic carbon, granulated activated carbon and the occasional use of H₂O₂ treatments during this time).

FREE PRODUCT PRODUCTION (FROM TANK SKIMMING & DECANTING)

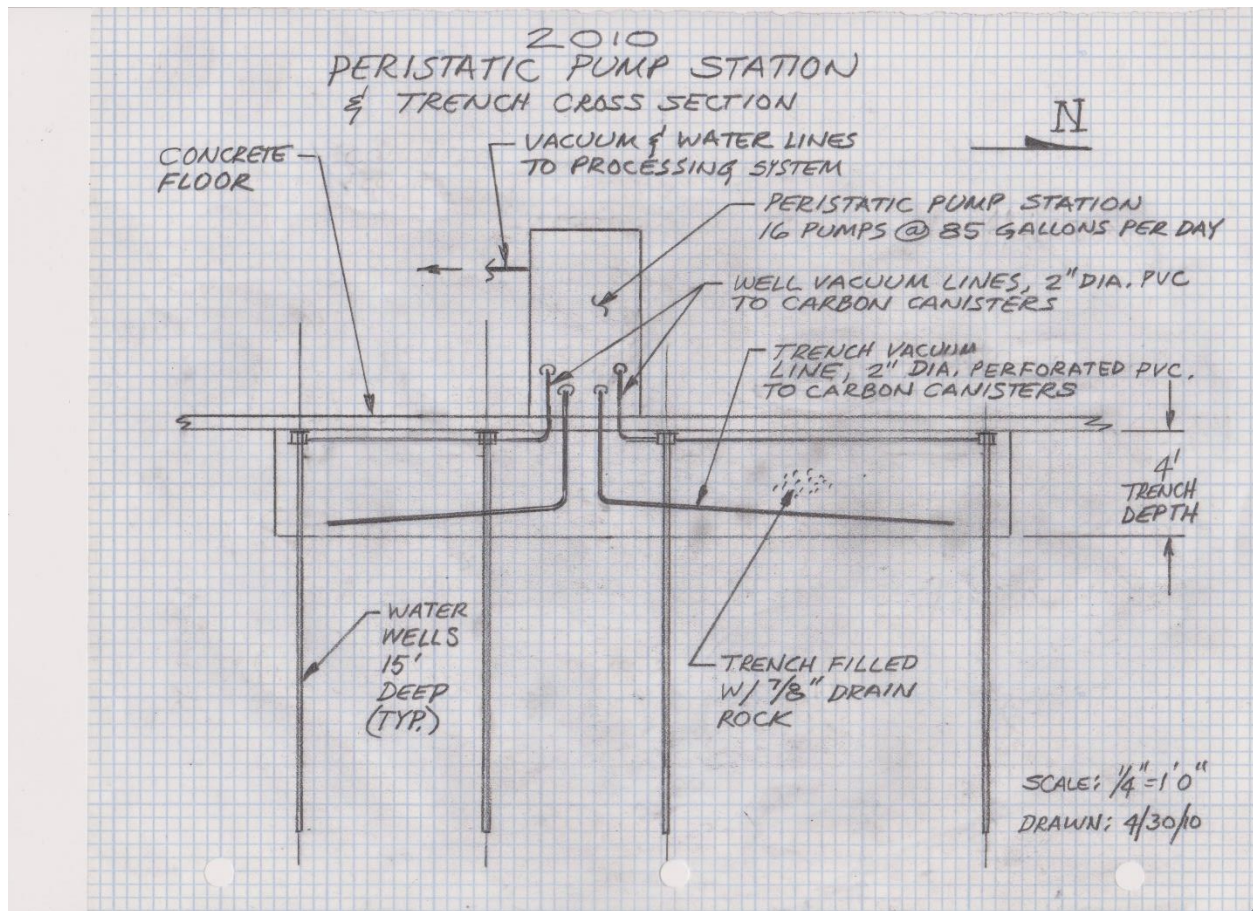


NOTES:

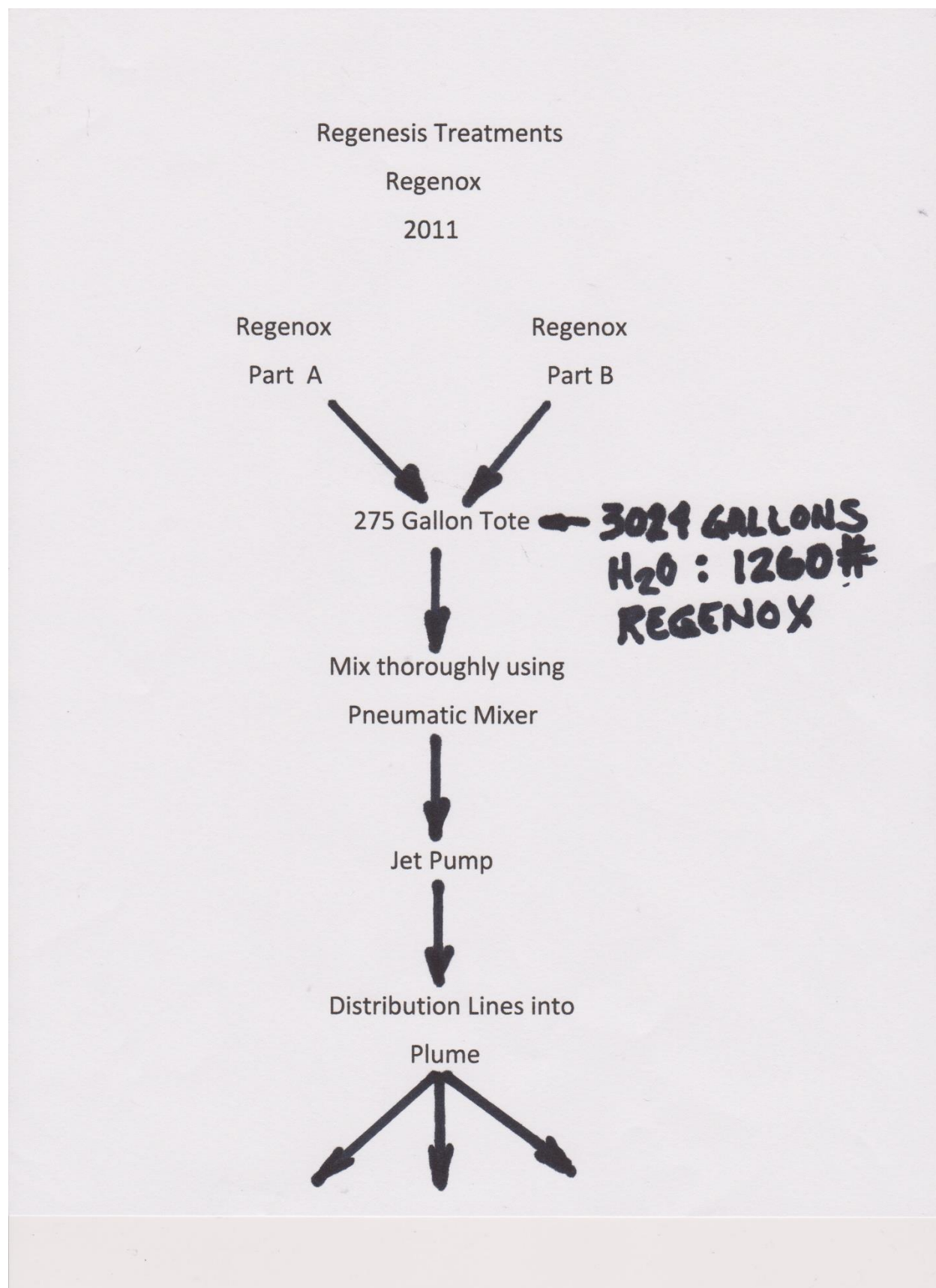
- 1) FOR A FEW MONTHS, SIX DRUMS WERE USED.
- 2) FOR 10/28/11 F&B REPORT, FURTHER CONSOLIDATION WAS ATTEMPTED USING 5 GALLON BUCKETS. INTERESTING EXERCISE, BUT WAY TOO MUCH EFFORT REQUIRED.
- 3) CONCLUSION: PRODUCT DEMONSTRATES MORE OF A TENDANCY TO BREAK DOWN VS. CONCENTRATING.

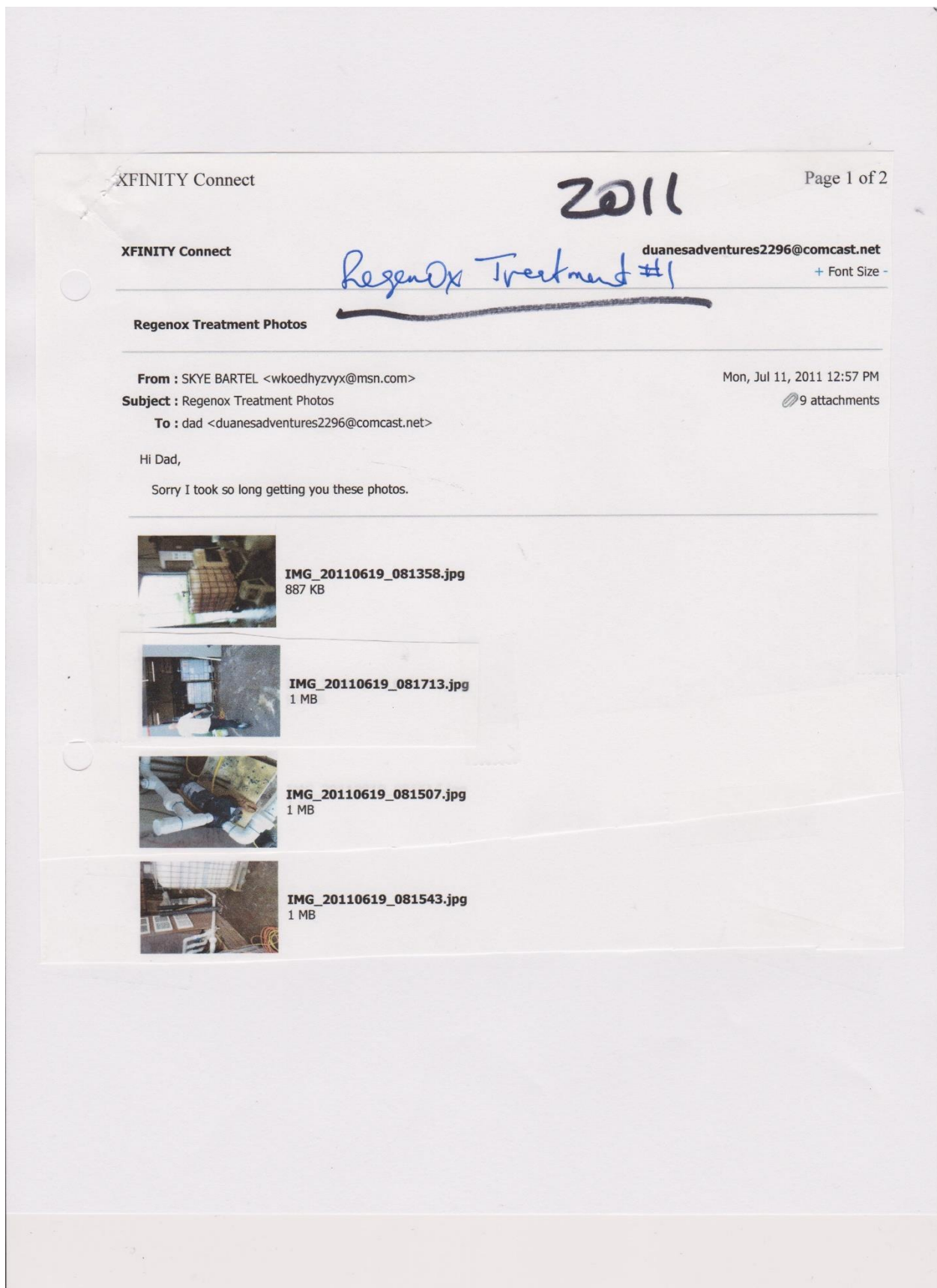


2019 Active & Passive VES



2010 VES & Sparge/Treatment Lines





REGENOX

Range of Treatable Contaminants

REGENESIS products have been used to effectively treat a broad range of groundwater contaminants from petroleum hydrocarbons, to chlorinated solvents, pesticides, and metals. Contact us to discuss the treatability of your contaminant of concern and site details so that we can recommend the most effective REGENESIS solution.

☑ Contaminant treatable with REGENESIS Products

| Range of Treatable Contaminants | PlumeStop® | RegenOx® | PetroCleanse | PersulfOx® | ORC® Advanced | 3DME® | HRC® | HRC-X® | BDI® Plus | CRS® | AquaZVI™ | MicroZVI™ |
|--|------------|----------|--------------|------------|---------------|-------|------|--------|-----------|------|----------|-----------|
| HYDROCARBONS | | | | | | | | | | | | |
| Benzene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Toluene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Ethylbenzene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Xylene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| ORGANICS | | | | | | | | | | | | |
| Gasoline Range Organics (GRO) (C ₆ -C ₁₀) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Diesel Range Organics (DRO) (C ₁₁ -C ₂₄) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Oil Range Organics (ORO) (C ₂₅ -C ₃₄) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Creosote (coal tar) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| ALCOHOLS | | | | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Tert-butyl alcohol (TBA) | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| CHLORINATED SOLVENTS | | | | | | | | | | | | |
| Tetrachloroethylene (PCE) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Trichloroethene (TCE) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dichloroethene (DCE) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Vinyl chloride (VC) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Tetrachloroethane | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Trichloroethane (TCA) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dichloroethane (DCA) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carbon tetrachloride | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Chloroethane | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Chloroform | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Chloromethane | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Chlorotoluene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Methylene chloride | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dichloropropane | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dichloropropene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Hexachlorobutadiene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Trichloropropane | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Bis(2-chloroethyl)ether | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Bis(2-chloroethoxy)methane | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) | | | | | | | | | | | | |
| Acenaphthene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Acenaphthylene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Anthracene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Benzo(a)anthracene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Benzo(a)pyrene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Benzo(b)fluoranthene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Benzo(g,h)perylene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Chrysene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Dibenzo(a,h)anthracene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Fluorene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Naphthalene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Phenanthrene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Pyrene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| AROMATIC AMIDES | | | | | | | | | | | | |
| 2-chlorophenol | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 2,4-dichlorophenol | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 2,4-dinitrophenol | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 4-chloro-3-methyl phenol | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 4-iso-propyltoluene | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 4-nitrophenol | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |



April 27, 2011

Duane Bartel
Tenor Co LLC
1313 Washington Street
Sumner, WA 98390

**RE: Proposal for Remediation using RegenOx at Farwest UST site
Regenesis Proposal No. BRG39641**

Dear Mr. Bartel:

Thank you for the opportunity to technically evaluate this project. Below we have provided information related to the design and application of RegenOx™ to treat the residual petroleum hydrocarbons within the defined target treatment areas at the above-referenced site.

Product Description

A detailed description of RegenOx can be found at the following website link www.regenesis.com

Product Quantities and Cost*

RegenOx

Quantity – 1,620 lbs (Part A = 1,080 lbs Part B = 540 lbs)

RegenOx Product Cost - \$4,050 (\$2.50/lb)

**The above cost does not include freight or applicable taxes. Please contact Regenesis customer service at 949.366.8000 or me at 916.409.9331 for a shipping quote. The price quoted in this proposal is locked for 30 days.*

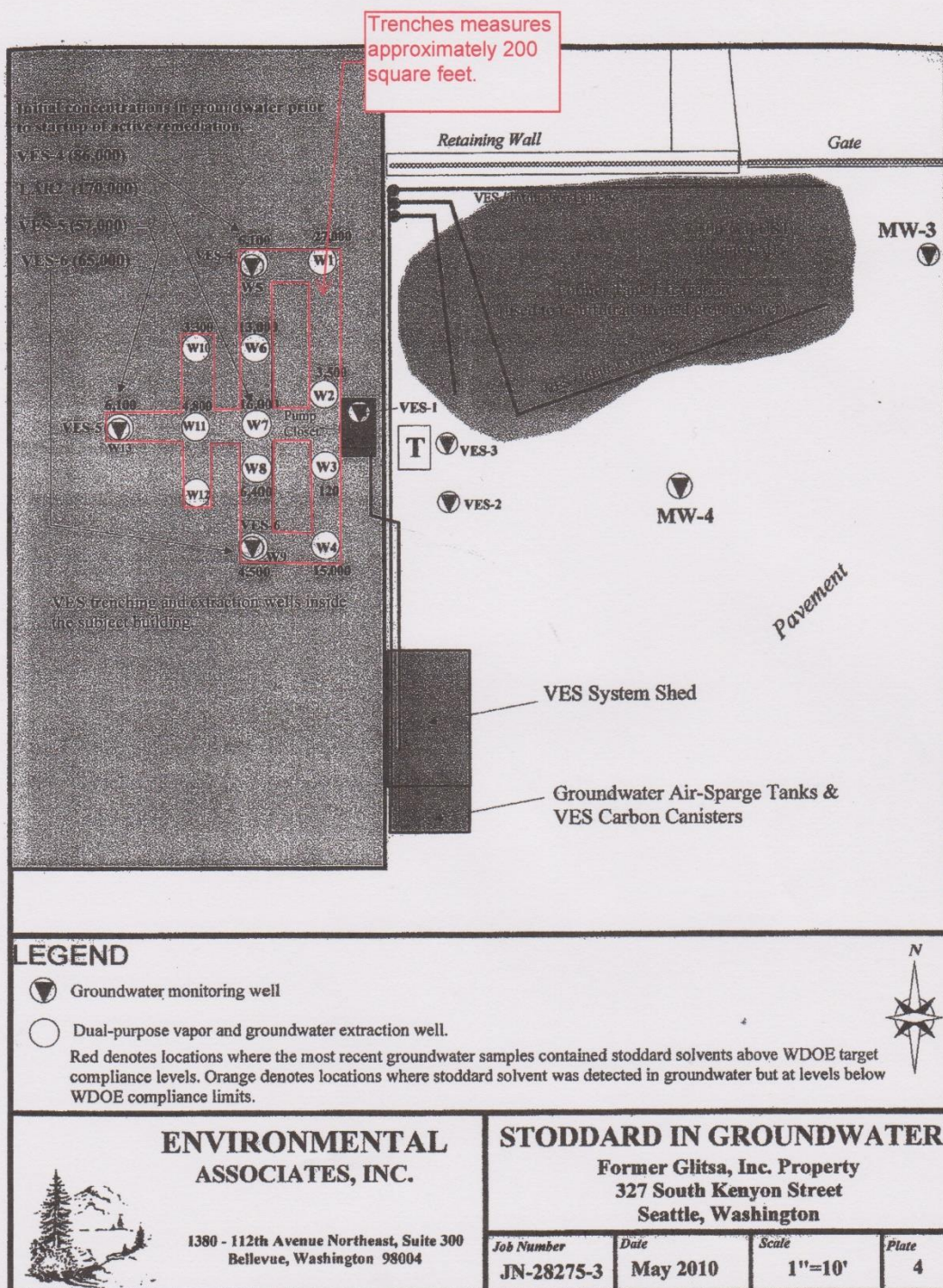
Proposed Application Design

We have provided the material cost associated with applying RegenOx throughout the 200 square foot trench system at the Farwest site. This is a unique application where we are attempting to inject the RegenOx into the existing wells in an effort to “flood” the trench with RegenOx. Following the injection additional water should be added to the trench in an effort to fully saturate it. *I have attached application instructions for injecting RegenOx into wells. We understand that you already have wells in place so part of the instructions will not apply to your site.*

Regenesis appreciates the opportunity to present you with this proposal. If you need any additional information please feel free to contact Jack Peabody at 925.944.5566 (jpeabody@regenesi.com) or me at 916.409.9331 (bgriffiths@regenesi.com).

1030 Sierra View Circle Lincoln, CA 95648 ~ TELEPHONE: 916.409.9331

bgriffiths@regenesi.com ~ www.regenesis.com



REGENOX PART A MSDS

RegenOx® – Part A (Oxidizer Complex)

Material Safety Data Sheet (MSDS)

Last Revised: September 27, 2013

Section 1 – Supplier Information and Material Identification

Supplier:



REGENESIS

1011 Calle Sombra
San Clemente, CA 92673
Telephone: 949.366.8000
Fax: 949.366.8090
E-mail: info@regenesis.com

Chemical Description: A mixture of sodium percarbonate [$2\text{Na}_2\text{CO}_3 \cdot 3\text{H}_2\text{O}_2$], sodium carbonate [Na_2CO_3], sodium silicate and silica gel.

Chemical Family: Inorganic Chemicals

Trade Name: RegenOx® – Part A (Oxidizer Complex)

Product Use: Used to remediate contaminated soil and groundwater (environmental applications)

Section 2 – Chemical Information/Other Designations

| <u>CAS No.</u> | <u>Chemical</u> | <u>Percentage</u> |
|----------------|---------------------|-------------------|
| 15630-89-4 | Sodium Percarbonate | 60 -100 % |
| 7699-11-6 | Silicic Acid | < 1 % |
| 63231-67-4 | Silica Gel | < 1 % |

Section 3 – Physical Data

Form: Powder

Color: White

Odor: Odorless

Melting Point: NA

Boiling Point: NA

RegenOx – Part A

Section 3 – Physical Data (cont)

| | |
|-----------------------------------|--|
| Flammability/Flash Point: | NA |
| Vapor Pressure: | NA |
| Bulk Density: | 0.9 – 1.2 g/cm ³ |
| Solubility: | Min 14.5g/100g water @ 20 °C |
| Viscosity: | NA |
| pH (3% solution): | ≈ 10.5 |
| Decomposition Temperature: | Self-accelerating decomposition with oxygen release starts at 50 °C. |

Section 4 – Reactivity Data

| | |
|---|--|
| Stability: | Stable under normal conditions |
| Conditions to Avoid/Incompatibility: | Acids, bases, salts of heavy metals, reducing agents, and flammable substances |
| Hazardous Decomposition Products: | Oxygen. Contamination with many substances will cause decomposition. The rate of decomposition increases with increasing temperature and may be very vigorous with rapid generation of oxygen and steam. |

Section 5 – Regulations

| | |
|--|---------|
| TSCA Inventory Listed: | Yes |
| CERCLA Hazardous Substance (40 CFR Part 302) | |
| Listed Substance: | No |
| Unlisted Substance: | Yes |
| SARA, Title III, Sections 313 (40 CFR Part 372) – Toxic Chemical Release Reporting: Community Right-To-Know | |
| Extremely Hazardous Substance: | No |
| WHMIS Classification: | C, D2B |
| Canadian Domestic Substance List: | Appears |

RegenOx – Part A

Section 6 – Protective Measures, Storage and Handling

Technical Protective Measures

- Storage:** Oxidizer. Store in a cool, well ventilated area away from all sources of ignition and out of the direct sunlight. Store in a dry location away from heat and in temperatures less than 40 °C.
- Keep away from incompatible materials and keep lids tightly closed. Do not store in improperly labeled containers.
- Protect from moisture. Do not store near combustible materials. Keep containers well sealed.
- Store separately from reducing materials. Avoid contamination which may lead to decomposition.
- Handling:** Avoid contact with eyes, skin and clothing. Use with adequate ventilation.
- Do not swallow. Avoid breathing vapors, mists or dust. Do not eat, drink or smoke in the work area.
- Label containers and keep them tightly closed when not in use.
- Wash hands thoroughly after handling.

Personal Protective Equipment (PPE)

- Engineering Controls:** General room ventilation is required if used indoors. Local exhaust ventilation, process enclosures or other engineering controls may be needed to maintain airborne levels below recommended exposure limits. Avoid creating dust or mists. Maintain adequate ventilation at all times. Do not use in confined areas. Keep levels below recommended exposure limits. To determine actual exposure limits, monitoring should be performed on a routine basis.
- Respiratory Protection:** For many conditions, no respiratory protection is necessary; however, in dusty or unknown conditions or when exposures exceed limit values a NIOSH approved respirator should be used.
- Hand Protection:** Wear chemical resistant gloves (neoprene, rubber, or PVC).

RegenOx – Part A

Section 6 – Protective Measures, Storage and Handling (cont)

| | |
|---|---|
| Eye Protection: | Wear chemical safety goggles. A full face shield may be worn in lieu of safety goggles. |
| Skin Protection: | Try to avoid skin contact with this product. Chemical resistant gloves (neoprene, PVC or rubber) and protective clothing should be worn during use. |
| Other: | Eye wash station. |
| Protection Against Fire & Explosion: | Product is non-explosive. In case of fire, evacuate all non-essential personnel, wear protective clothing and a self-contained breathing apparatus, stay upwind of fire, and use water to spray cool fire-exposed containers. |

Section 7 – Hazards Identification

Potential Health Effects

| | |
|----------------------|---|
| Inhalation: | Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath, and irritations to mucous membranes, nose and throat. |
| Eye Contact: | Causes irritation, redness and pain. |
| Skin Contact: | Causes slight irritation. |
| Ingestion: | May be harmful if swallowed (vomiting and diarrhea). |

Section 8 – Measures in Case of Accidents and Fire

| | |
|--------------------------------|---|
| After Spillage/Leakage: | Eliminate all ignition sources. Evacuate unprotected personnel and never exceed any occupational exposure limit. Shovel or sweep spilt material into plastic bags or vented containers for disposal. Do not return spilled or contaminated material to the inventory. |
| Extinguishing Media: | Water |
| First Aid | |
| Eye Contact: | Flush eyes with running water for at least 15 minutes with eyelids held open. Seek a specialist. |
| Inhalation: | Remove affected person to fresh air. Seek medical attention if the effects persist. |
| Ingestion: | If the individual is conscious and not convulsing, give two-four cups of water to dilute the chemical and seek medical attention immediately. Do Not induce vomiting. |

RegenOx – Part A

Section 8 – Measures in Case of Accidents and Fire (cont)

Skin Contact: Wash affected areas with soap and a mild detergent and large amounts of water.

Section 9 – Accidental Release Measures

Precautions:

Cleanup Methods: Shovel or sweep spilt material into plastic bags or vented containers for disposal. Do not return spilled or contaminated material to the inventory.

Section 10 – Information on Toxicology

Toxicity Data

LD50 Oral (rat): 2,400 mg/kg

LD50 Dermal (rabbit): Min 2,000 mg/kg

LD50 Inhalation (rat): Min 4,580 mg/kg

Section 11 – Information on Ecology

Ecology Data

Ecotoxicological Information: NA

Section 12 – Disposal Considerations

Waste Disposal Method

Waste Treatment: Dispose of in an approved waste facility operated by an authorized contactor in compliance with local regulations.

Package (Pail) Treatment: The empty and clean containers are to be recycled or disposed of in conformity with local regulations.

RegenOx – Part A

Section 13 – Shipping/Transport Information

D.O.T. Shipping Name: Oxidizing Solid, N.O.S. [A mixture of sodium percarbonate $[2\text{Na}_2\text{CO}_3 \cdot 3\text{H}_2\text{O}_2]$, sodium carbonate $[\text{Na}_2\text{CO}_3]$, sodium silicate and silica gel.]

UN Number: 1479

Hazard Class: 5.1

Labels: 5.1 (Oxidizer)

Packaging Group: III

Section 14 – Other Information

| | | |
|---------------------|-------------------------|---|
| HMIS® Rating | Health – 1 (slight) | Reactivity – 1 (slight) |
| | Flammability – 0 (none) | Lab PPE – goggles, gloves, and lab coat |

HMIS® is a registered trademark of the National Painting and Coating Association.

Section 15 – Further Information

The information contained in this document is the best available to the supplier at the time of writing, but is provided without warranty of any kind. Some possible hazards have been determined by analogy to similar classes of material. The items in this document are subject to change and clarification as more information become available. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

REGENOX PART B MSDS

RegenOx® – Part B (Activator Complex)

Material Safety Data Sheet (MSDS)

Last Revised: December 9th, 2013

Section 1 – Supplier Information and Material Identification

Supplier:



REGENESIS

1011 Calle Sombra
San Clemente, CA 92673
Telephone: 949.366.8000
Fax: 949.366.8090
E-mail: info@regenesis.com

| | |
|-----------------------|--|
| Chemical Description: | A mixture of sodium silicate solution, silica gel and ferrous sulfate |
| Chemical Family: | Inorganic Chemicals |
| Trade Name: | RegenOx® – Part B (Activator Complex) |
| Product Use: | Used for environmental remediation of contaminated soils and groundwater |

Section 2 – Chemical Information/Other Designations

| <u>CAS No.</u> | <u>Chemical</u> |
|----------------|--|
| 1344-09-8 | Silicic Acid, Sodium Salt, Sodium Silicate |
| 63231-67-4 | Silica Gel |
| 7720-78-7 | Ferrous Sulfate |
| 7732-18-5 | Water |

Section 3 – Physical Data

| | |
|---------------------------|------------|
| Form: | Liquid |
| Color: | Blue/Green |
| Odor: | Odorless |
| Melting Point: | NA |
| Boiling Point: | NA |
| Flammability/Flash Point: | NA |
| Vapor Pressure: | NA |

Regenesis-RegenOx Part B

Section 3 – Physical Data (cont)

| | |
|--|--|
| Specific Gravity | 1.39 g/cm ³ |
| Solubility: | Miscible |
| Viscosity: | NA |
| pH (3% solution): | 11 |
| Hazardous Decomposition Products: | Oxides of carbon and silicon may be formed when heated to decomposition. |

Section 4 – Reactivity Data

| | |
|-----------------------------|--|
| Stability: | Stable under normal conditions. |
| Conditions to Avoid: | None. |
| Incompatibility: | Avoid hydrogen fluoride, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases, oxidizers, aluminum, fiberglass, copper, brass, zinc, and galvanized containers. |

Section 5 – Regulations

| | |
|--|-------|
| TSCA Inventory Listed: | Yes |
| CERCLA Hazardous Substance (40 CFR Part 302) | |
| Listed Substance: | No |
| Unlisted Substance: | Yes |
| SARA, Title III, Sections 302/303 (40 CFR Part 355) – Emergency Planning and Notification | |
| Extremely Hazardous Substance: | No |
| SARA, Title III, Sections 311/312 (40 CFR Part 370) – Hazardous Chemical Reporting: Community Right-To-Know | |
| Hazard Category: | Acute |
| SARA, Title III, Sections 313 (40 CFR Part 372) – Toxic Chemical Release Reporting: Community Right-To-Know | |
| Extremely Hazardous Substance: | No |

Regenesis-RegenOx Part B

Section 6 – Protective Measures, Storage and Handling

Technical Protective Measures

Storage: Keep in a tightly closed container (steel or plastic) and store in a cool, well ventilated area away from all incompatible materials (acids, reactive metals, and ammonium salts). Store in a dry location away from heat above 60 degrees C and colder than 10 degrees C. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Use with adequate ventilation.
Do not use product if it is brownish-yellow in color.

Personal Protective Equipment (PPE)

Engineering Controls: General room ventilation is required if used indoors. Local exhaust ventilation, process enclosures or other engineering controls may be needed to maintain airborne levels below recommended exposure limits. Safety shower and eyewash station should be within direct access.

Respiratory Protection: Use NIOSH-approved dust and mist respirator where spray mist exists. Respirators should be used in accordance with 29 CFR 1910.134.

Hand Protection: Wear chemical resistant gloves.

Eye Protection: Wear chemical safety goggles. A full face shield may be worn in lieu of safety goggles.

Skin Protection: Try to avoid skin contact with this product. Gloves and protective clothing should be worn during use.

Other:

Protection Against Fire & Explosion: Product is non-explosive and non-combustible.

Regenesis-RegenOx Part B

Section 7 – Hazards Identification

Potential Health Effects

| | |
|----------------------|---|
| Inhalation: | Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath, and irritations to mucous membranes, nose and throat. |
| Eye Contact: | Causes irritation, redness and pain. |
| Skin Contact: | Causes irritation. Symptoms include redness, itching and pain. |
| Ingestion: | May cause irritation to mouth, esophagus, and stomach. |

Section 8 – Measures in Case of Accidents and Fire

| | |
|--|--|
| After Spillage/Leakage (small): | Mop up and neutralize liquid, then discharge to sewer in accordance with local, state and federal regulations. |
| After Spillage/Leakage (large): | Keep unnecessary personnel away; isolate hazard area and do not allow entrance into the affected area. Do not touch or walk through spilled material. Stop leak if possible without risking injury. Prevent runoff from entering into storm sewers and ditches that lead to natural waterways. Isolate the material if at all possible. Sand or earth may be used to contain the spill. If containment is not possible, neutralize the contaminated area and flush with large quantities of water. |
| Extinguishing Media: | Material is compatible with all extinguishing media. |
| Further Information: | |
| First Aid | |
| Eye Contact: | Flush eyes with running water for at least 15 minutes with eyelids held open. Seek a specialist. |
| Inhalation: | Remove affected person to fresh air. Give artificial respiration if individual is not breathing. If breathing is difficult, give oxygen. Seek medical attention if the effects persist. |
| Ingestion: | If the individual is conscious and not convulsing, give two-four cups of water to dilute the chemical and seek medical attention immediately. <u>DO NOT</u> induce vomiting. |
| Skin Contact: | Wash affected areas with soap and a mild detergent and large amounts of water. Remove contaminated clothing and shoes. |

Regensis-RegenOx Part B

Section 9 – Accidental Release Measures

Precautions:

PPE: Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots (see Section 6).

Environmental Hazards: Sinks and mixes with water. High pH of this material may be harmful to aquatic life. Only water will evaporate from a spill of this material.

Cleanup Methods: Pick-up and place in an appropriate container for reclamation or disposal. US regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities.

Section 10 – Information on Toxicology

Toxicity Data

Sodium Silicate: When tested for primary eye irritation potential according to OECD Guidelines, Section 405, a similar sodium silicate solution produced corneal, iridal and conjunctival irritation. Some eye irritation was still present 14 days after treatment, although the average primary irritation score has declined from 29.7 after 1 day to 4.0 after 14 days. When tested for primary skin irritation potential, a similar sodium silicate solution produced irritation with a primary irritation index of 3 to abraded skin and 0 to intact skin. Human experience confirms that irritation occurs when sodium silicates get on clothes at the collar, cuffs, or other areas where abrasion may exist.

The acute oral toxicity of this product has not been tested.

Ferrous Sulfate: LD50 Oral (rat): 319 mg/kg not a suspected carcinogen.

Regenesis-RegenOx Part B

Section 11 – Information on Ecology

Ecology Data**Ecotoxicological Information:**

Based on 100% solid sodium silicate, a 96 hour median tolerance for fish of 2,320 mg/l; a 96 hour median tolerance for water fleas of 247 mg/L; a 96 hour median tolerance for snail eggs of 632 mg/L; and a 96 hour median tolerance for Amphipoda of 160 mg/L.

Section 12 – Disposal Considerations

Waste Disposal Method**Waste Treatment:**

Neutralize and landfill solids in an approved waste facility operated by an authorized contactor in compliance with local regulations.

Package (Pail) Treatment:

The empty and clean containers are to be recycled or disposed of in conformity with local regulations.

Section 13 – Shipping/Transport Information

D.O.T.

This product is not regulated as a hazardous material so there are no restrictions.

Section 14 – Other Information

HMIS® Rating

Health – 2 (moderate)

Reactivity – 0 (none)

Flammability – 0 (none)

Lab PPE – goggles,
gloves, and lab coat

Contact – 1 (slight)

HMIS® is a registered trademark of the National Painting and Coating Association.

Section 15 – Further Information

The information contained in this document is the best available to the supplier at the time of writing, but is provided without warranty of any kind. Some possible hazards have been determined by analogy to similar classes of material. The items in this document are subject to change and clarification as more information become available. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Regenesis-RegenOx Part B

Page 7

First Regenox Order 6/3/2011

Sales Acknowledgment


REGENESIS
 Established in 1994

 1011 Calle Sombra
 San Clemente, CA 92673
 US

Order Information

| | | | |
|--------------|-----------------|------------------|------------------|
| Order Number | 30487 | Prepared By | Angelica Hurtado |
| PO Number | Farwest | Proposal # | BrG39641 |
| Order Date | 6/3/2011 | Account District | Northwest |
| Site Name | Tenor / Farwest | Account Owner | Jack Peabody |

Account Information

| | | | |
|--------------|---|-----------------|--|
| Bill To Name | Tenor Co., LLC | Ship To Name | Tenor Co., LLC |
| Bill To | 1313 Washington St
Sumner, Washington 98390
United States | Site Contact | Steve 206-795-1573 |
| | | Ship To | c/o alaska logistics llc 327 South Kenyon Street
Seattle, Washington 98108
United States |
| Contact Name | Duane Bartel | Ship From | San Clemente, CA |
| Email | duanesadventures2296@comcast.net | Ship Date | 6/3/2011 |
| Phone | (206) 321-5565 | Delivery Date | 6/9/2011 |
| | | Delivery Method | Standard |

Site Information

| | | | |
|---------------------|---------|---------------------|------------------------------------|
| Site City | Seattle | Contamination | Petro. H - Aromatics (BTEX, TPH-G) |
| Site State/Province | WA | Application Methods | Alternative Method |
| | | Pilot or Full-scale | Full-Scale |

Products

| Product | Quantity | Sales Price | Total Price |
|-------------------------------------|----------|-------------|--------------|
| RegenOx Part A Pail (30 lb/13.60kg) | 1,290.00 | USD 2.50 | USD 3,225.00 |
| RegenOx Part B Pail (30 lb/13.60kg) | 650.00 | USD 2.50 | USD 1,625.00 |

 Special Delivery DELIVER ON JUNE 9TH -
 Instructions

| | |
|----------------------------|--------------|
| Subtotal | USD 4,850.00 |
| Total Price | USD 4,850.00 |
| Tax | USD 0.00 |
| Estimated Shipping/Freight | USD 837.43 |
| Handling Fees | USD 75.00 |
| Grand Total | USD 5,762.43 |

Payment Terms Credit Card

Regenesis thanks you for your business. To ensure that your order is properly processed and delivered to your satisfaction Regenesis requires every customer to confirm the information shown above by signing, dating and returning this order confirmation by fax or e-mail. Orders will not be shipped until the signed and dated order confirmation is received. Any changes or modifications to this order must be received by Regenesis no later than 24 hours prior to the ship date shown above.

Please fax or e-mail the sales confirmation Attn: Regenesis Order Desk, fax 949-366-8090 or customerservice@regenesisis.com.

Sales Acknowledgment

**REGENESIS**

Established in 1994

1011 Calle Sombra
San Clemente, CA 92673
US

Payment Terms: A finance fee of 1.5% will be applied to accounts over the listed payment terms. Volume discount pricing will be rescinded on accounts outstanding over 90 days.

Return Policy: 15% re-stocking fee will be charged for all returned goods. Return freight must be prepaid. All requests to return product must be in original condition and no product will be accepted for return after 90 days from date of delivery.

Shipping Terms: customer acknowledges and accepts the shipping method and associated terms and conditions selected per above, e.g. "Standard or Guaranteed".

Customer agrees that product shipped under "Standard terms and conditions" provides only an estimate of the date of arrival to the project site. Product shipped under "Guaranteed terms and conditions" requires the carrier to deliver product on the date required or it will forfeit all transportation costs associated with the shipment. Under no circumstances will Regenesis be responsible for any additional project related expenses if the transportation company fails to deliver the product on the requested date.

Authorization

CUSTOMER SIGNATURE

DATE

Second Regenox Order 11/3/2011

Sales Acknowledgment

**REGENESIS**

Established in 1994

1011 Calle Sombra
San Clemente, CA 92673
US

Order Information

| | | | |
|--------------|-----------------|------------------|------------------|
| Order Number | 31140 | Prepared By | Angelica Hurtado |
| Order Date | 11/3/2011 | Proposal # | BrG39641 |
| Site Name | Tenor / Farwest | Account District | Northwest |
| | | Account Owner | Jack Peabody |

Account Information

| | | | |
|--------------|---|-----------------|---|
| Bill To Name | Tenor Co., LLC | Ship To Name | Tenor Co. LLC |
| Bill To | 1313 Washington St
Sumner, WA 98390
United States | Site Contact | Steve 206-795-1573 |
| | | Ship To | C/O Alaska Logistics, 327 South Kenyon Street
Seattle, WA 98108
United States |
| Contact Name | Duane Bartel | Ship From | San Clemente, CA |
| Email | duanesadventures2296@comcast.net | Ship Date | 11/14/2011 |
| Phone | (206) 321-5565 | Delivery Date | 11/17/2011 |
| | | Delivery Method | Standard |

Site Information

| | | | |
|---------------------|---------|---------------------|------------------------------------|
| Site City | Seattle | Contamination | Petro. H - Aromatics (BTEX, TPH-G) |
| Site State/Province | WA | Application Methods | Alternative Method |
| | | Pilot or Full-scale | Full-Scale |

Products

| Product | Quantity | Sales Price | Total Price |
|-----------------------------|----------|-------------|--------------|
| RegenOx Part A Pail (30 lb) | 840.00 | USD 2.50 | USD 2,100.00 |
| RegenOx Part B Pail (30 lb) | 420.00 | USD 2.50 | USD 1,050.00 |

| | | | |
|------------------|-------------------------------|------------------|--------------|
| Special Delivery | CALL TO SCHEDULE DUANE BARTEL | Subtotal | USD 3,150.00 |
| Instructions | 206-321-5565 Lift gate | Estimated | USD 707.17 |
| | | Shipping/Freight | |
| | | Handling Fees | USD 75.00 |
| | | Grand Total | USD 3,932.17 |

Payment Terms Credit Card

Regenesis thanks you for your business. To ensure that your order is properly processed and delivered to your satisfaction Regenesis requires every customer to confirm the information shown above by signing, dating and returning this order confirmation by fax or e-mail. Orders will not be shipped until the signed and dated order confirmation is received. Any changes or modifications to this order must be received by Regenesis no later than 24 hours prior to the ship date shown above.

Please fax or e-mail the sales confirmation Attn: Regenesis Order Desk, fax 949-366-8090 or customerservice@regenesisc.com.

Quote Name Tenor/farwest

Sales Acknowledgment

**REGENESIS**

Established in 1994

1011 Calle Sombra
San Clemente, CA 92673
US

Payment Terms: A finance fee of 1.5% will be applied to accounts over the listed payment terms. Volume discount pricing will be rescinded on accounts outstanding over 90 days.

Return Policy: 15% re-stocking fee will be charged for all returned goods. Return freight must be prepaid. All requests to return product must be in original condition and no product will be accepted for return after 90 days from date of delivery.

Shipping Terms: customer acknowledges and accepts the shipping method and associated terms and conditions selected per above, e.g. "Standard or Guaranteed".

Customer agrees that product shipped under "Standard terms and conditions" provides only an estimate of the date of arrival to the project site. Product shipped under "Guaranteed terms and conditions" requires the carrier to deliver product on the date required or it will forfeit all transportation costs associated with the shipment. Under no circumstances will Regenesis be responsible for any additional project related expenses if the transportation company fails to deliver the product on the requested date.

Authorization

CUSTOMER SIGNATURE

DATE

11/3/2011

Quote Name

Tenor/farwest

FarWest Paint UST Ground-Water Remediation Using Hydrogen Peroxide**Dec. 2012 -June 2013****Product and Sourcing:**

Grainger: Tough Guy Hydrogen Peroxide – manufacturer # 12M180

Specs: See MSDS attached.

Treatment:

Ratio of water to Hydrogen Peroxide Product: 100 : 1 (approx.)

Concentration of H₂O₂ per gallon of Product: 1 – 5 %

Total number of treatments with this Product: 5

Number of gallons of Product used per Treatment: 44

(First treatment used 37 gallons of Product and 4,000 gallons of water)

Number of gallons of water used per treatment: 4,000

Method: Clean municipal water metered through flow sensor and H₂O₂ gravity fed and metered using precision needle valve and timer. See illustration.

Notes:

An optimum ratio would have used less water, but caution was exercised to avoid potential hazard of heat generation underground due to H₂O₂'s reactivity as it sheds oxygen in the presence of Volatile Organic compounds.

We encountered no undesirable side effects from use of the H₂O₂:

No excess heat at wells.

No foaming from wells.

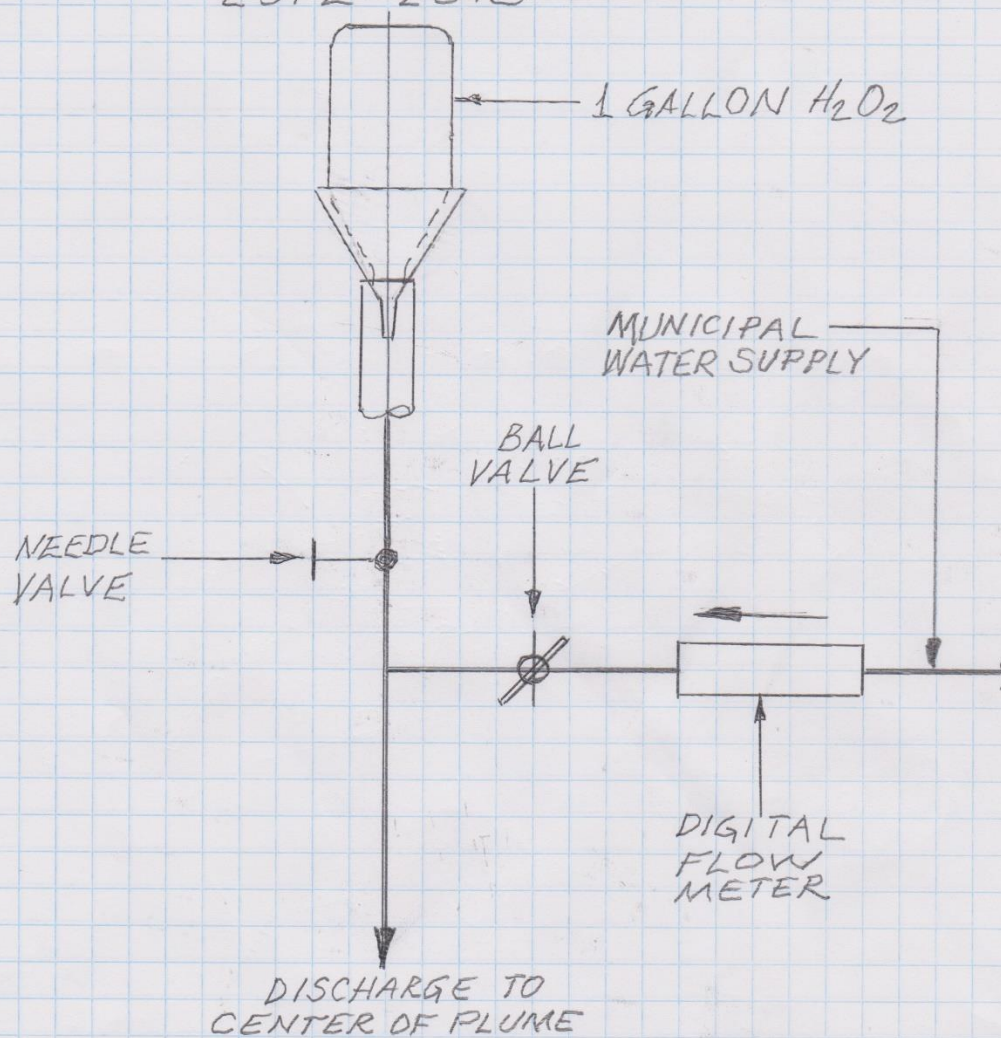
Little risk of harming beneficial bacteria in the soil at this dilution ratio.

The half life of Hydrogen Peroxide in water is 30 days.

It breaks down to form water and oxygen.

Processed water returned to the Plume center (not to sewer).

SCHEMATIC DIAGRAM
 H_2O_2 TREATMENT SYSTEM
2012-2013



DWN: D. BARTEL
SCALE: NONE

HYDROGEN PEROXIDE MSDS


☒ Close this window

SDS

Common Name: BZ7631 TGUY HYDRGN PER GP CL R30824 4/1G

Manufacturer: W.W. GRAINGER

SDS Revision Date: 7/30/2012

SDS Format: GHS-US

Item Number(s): 12M180

Manufacturer Model Number(s):

Note: The half-life of hydrogen-peroxide in water is 30 days.

SDS Table of Contents

Click the desired link below to jump directly to that section in the SDS.

[SECTION 1. PRODUCT AND COMPANY IDENTIFICATION](#)
[SECTION 2. HAZARDS IDENTIFICATION](#)
[SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS](#)
[SECTION 4. FIRST AID MEASURES](#)
[SECTION 5. FIREFIGHTING MEASURES](#)
[SECTION 6. ACCIDENTAL RELEASE MEASURES](#)
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[SECTION 16. OTHER INFORMATION](#)

This product was used for
Ground-Water Remediation
Treatments in 2012-2013.

RATIO: 100 gallons water : 1 gallon H_2O_2
in a 5% concentration.

Total H_2O_2 used: 213 gallons (2012-2013)
(5% concentration)

SAFETY DATA SHEET

BZ7631 TGUY HYDRGN PER GP CL R30824 4/1G

VERSION: 1.2

REVISION DATE: 07/30/2012

PRINT DATE: 07/31/2012

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION



MATERIAL NAME: BZ7631 TGUY HYDRGN PER GP CL R30824 4/1G

MATERIAL NUMBER: 00000000001044957

MANUFACTURER OR SUPPLIER'S DETAILS:

COMPANY: W.W. GRAINGER, INC.

ADDRESS:
100 GRAINGER PARKWAY
LAKE FOREST, IL
USA

Hydrogen Peroxide

TELEPHONE: 800-472-4643

EMERGENCY TELEPHONE NUMBERS:
FOR SDS INFORMATION: 800-255-3320
FOR A MEDICAL EMERGENCY: 800-255-3320
FOR A TRANSPORTATION EMERGENCY: 800-255-3320

SECTION 2. HAZARDS IDENTIFICATION



EMERGENCY OVERVIEW:

APPEARANCE: LIQUID

COLOUR: GREEN, CLEAR

ODOUR: PLEASANT

GHS CLASSIFICATION:
SKIN IRRITATION: CATEGORY 2
SERIOUS EYE DAMAGE: CATEGORY 1

GHS LABEL ELEMENT:

HAZARD PICTOGRAMS: CORROSION

SIGNAL WORD: DANGER

HAZARD STATEMENTS:
H315: CAUSES SKIN IRRITATION.
H318: CAUSES SERIOUS EYE DAMAGE.

PRECAUTIONARY STATEMENTS:

PREVENTION:
P264: WASH SKIN THOROUGHLY AFTER HANDLING.
P280: WEAR EYE PROTECTION/FACE PROTECTION.
P280: WEAR PROTECTIVE GLOVES.

RESPONSE:

P302 + P352:
IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

P305 + P351 + P338 + P310:
IF IN EYES:
RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES,
IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON
CENTER OR DOCTOR/PHYSICIAN.

P332 + P313:
IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION.

P362: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

STORAGE:
P403: STORE IN A WELL-VENTILATED PLACE.
P405: STORE LOCKED UP.

DISPOSAL:
DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL REGULATION.

POTENTIAL HEALTH EFFECTS:

CARCINOGENICITY:

IARC:
NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO

0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.

ACGIH: CONFIRMED ANIMAL CARCINOGEN WITH UNKNOWN RELEVANCE TO HUMANS

HYDROGEN PEROXIDE 7722-84-1

OSHA:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.

NTP:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE / MIXTURE: MIXTURE

HAZARDOUS COMPONENTS:

| CHEMICAL NAME | CAS-NO. | CONCENTRATION [%] |
|---|------------|-------------------|
| HYDROGEN PEROXIDE | 7722-84-1 | >=1 - <5 |
| 1-(1-METHYL-2-PROPOXYETHOXY)PROPAN-2-OL | 29911-27-1 | >=1 - <2 |

SECTION 4. FIRST AID MEASURES

GENERAL ADVICE:
MOVE OUT OF DANGEROUS AREA.
CONSULT A PHYSICIAN.
SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.
DO NOT LEAVE THE VICTIM UNATTENDED.

IF INHALED:
REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, GET MEDICAL ATTENTION.

IN CASE OF SKIN CONTACT:
WASH OFF IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
IF ON CLOTHES, REMOVE CLOTHES.
WASH CONTAMINATED CLOTHING BEFORE RE-USE.

IN CASE OF EYE CONTACT:
REMOVE CONTACT LENSES.
PROTECT UNHARMED EYE.
IMMEDIATELY FLUSH EYES FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.
IF EYE IRRITATION PERSISTS, CONSULT A SPECIALIST.

IF SWALLOWED:
KEEP RESPIRATORY TRACT CLEAR.

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY A PHYSICIAN OR POISON CONTROL CENTER.

TAKE VICTIM IMMEDIATELY TO HOSPITAL.

SECTION 5. FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:
ALCOHOL-RESISTANT FOAM
CARBON DIOXIDE (CO₂)
DRY CHEMICAL
WATER SPRAY JET

UNSUITABLE EXTINGUISHING MEDIA: HIGH VOLUME WATER JET

SPECIFIC HAZARDS DURING FIREFIGHTING:
DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES.

HAZARDOUS COMBUSTION PRODUCTS:
CARBON DIOXIDE (CO₂)
CARBON MONOXIDE
SMOKE

SPECIFIC EXTINGUISHING METHODS:
USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT.

FURTHER INFORMATION:
COLLECT CONTAMINATED FIRE EXTINGUISHING WATER SEPARATELY. THIS MUST NOT BE DISCHARGED INTO DRAINS.

FIRE RESIDUES AND CONTAMINATED FIRE EXTINGUISHING WATER MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:
WEAR SELF-CONTAINED BREATHING APPARATUS FOR FIREFIGHTING IF NECESSARY.

SECTION 6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
USE PERSONAL PROTECTIVE EQUIPMENT.
ENSURE ADEQUATE VENTILATION.
EVACUATE PERSONNEL TO SAFE AREAS.

ENVIRONMENTAL PRECAUTIONS:
PREVENT PRODUCT FROM ENTERING DRAINS.

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

IF THE PRODUCT CONTAMINATES RIVERS AND LAKES OR DRAINS INFORM RESPECTIVE AUTHORITIES.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:
SOAK UP WITH INERT ABSORBENT MATERIAL (E.G. SAND, SILICA GEL, ACID BINDER, UNIVERSAL BINDER, SAWDUST).

KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

SECTION 7. HANDLING AND STORAGE



ADVICE ON SAFE HANDLING:
AVOID CONTACT WITH SKIN AND EYES.
FOR PERSONAL PROTECTION SEE SECTION 8.
SMOKING, EATING AND DRINKING SHOULD BE PROHIBITED IN THE APPLICATION AREA.
TO AVOID SPILLS DURING HANDLING KEEP BOTTLE ON A METAL TRAY.
DISPOSE OF RINSE WATER IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS.

CONDITIONS FOR SAFE STORAGE:
KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

ELECTRICAL INSTALLATIONS / WORKING MATERIALS MUST COMPLY WITH THE TECHNOLOGICAL SAFETY STANDARDS.

MATERIALS TO AVOID:
 OXIDIZING AGENTS
 STORE AND KEEP AWAY FROM BASES AND ALKALIES.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

| COMPONENTS | CAS-NO. | VALUE TYPE
(FORM OF
EXPOSURE) | CONTROL
PARAMETERS /
PERMISSIBLE
CONCENTRATION | BASIS |
|-------------------|-----------|-------------------------------------|---|-----------|
| HYDROGEN PEROXIDE | 7722-84-1 | TWA | 1 PPM | ACGIH |
| | | TWA | 1 PPM
1.4 MG/M3 | NIOSH REL |
| | | TWA | 1 PPM
1.4 MG/M3 | OSHA Z-1 |
| | | TWA | 1 PPM
1.4 MG/M3 | OSHA P0 |

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:
 USE RESPIRATORY PROTECTION UNLESS ADEQUATE LOCAL EXHAUST VENTILATION IS PROVIDED OR EXPOSURE ASSESSMENT DEMONSTRATES THAT EXPOSURES ARE WITHIN RECOMMENDED EXPOSURE GUIDELINES.

HAND PROTECTION:

REMARKS:
 THE SUITABILITY FOR A SPECIFIC WORKPLACE SHOULD BE DISCUSSED WITH THE PRODUCERS OF THE PROTECTIVE GLOVES.

EYE PROTECTION:
 ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE CLOSE TO THE WORKSTATION LOCATION.

SAFETY GLASSES

SKIN AND BODY PROTECTION:
 IMPERVIOUS CLOTHING

CHOOSE BODY PROTECTION ACCORDING TO THE AMOUNT AND CONCENTRATION OF THE DANGEROUS SUBSTANCE AT THE WORK PLACE.

HYGIENE MEASURES:
 WHEN USING DO NOT EAT OR DRINK.
 WHEN USING DO NOT SMOKE.
 WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE: LIQUID

COLOUR: GREEN, CLEAR

ODOUR: PLEASANT

ODOUR THRESHOLD: NO DATA AVAILABLE

PH: 2.5 - 3.5

MELTING POINT/FREEZING POINT: NO DATA AVAILABLE

BOILING POINT: NO DATA AVAILABLE

FLASH POINT: NOT APPLICABLE

EVAPORATION RATE: 1

UPPER EXPLOSION LIMIT: NO DATA AVAILABLE
LOWER EXPLOSION LIMIT: NO DATA AVAILABLE

VAPOUR PRESSURE: NO DATA AVAILABLE

RELATIVE VAPOUR DENSITY: NO DATA AVAILABLE

DENSITY: 1.014 G/CM3

SOLUBILITY(IES):
WATER SOLUBILITY: SOLUBLE

SOLUBILITY IN OTHER SOLVENTS: NOT DETERMINED

PARTITION COEFFICIENT N-OCTANOL/WATER: NO DATA AVAILABLE

AUTO-IGNITION TEMPERATURE: NOT DETERMINED

THERMAL DECOMPOSITION: NO DATA AVAILABLE

VISCOSITY:

VISCOSITY, KINEMATIC: 3.6 MM2/S (20.0 DEG. C)

SECTION 10. STABILITY AND REACTIVITY



REACTIVITY: STABLE

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS:
NO DECOMPOSITION IF STORED AND APPLIED AS DIRECTED.

CONDITIONS TO AVOID:
HEAT, FLAMES AND SPARKS.
EXTREMES OF TEMPERATURE AND DIRECT SUNLIGHT.

INCOMPATIBLE MATERIALS:
OXIDIZING AGENTS
REDUCING AGENTS
BASES
ORGANIC MATERIALS

HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON MONOXIDE
CARBON DIOXIDE (CO2)

SECTION 11. TOXICOLOGICAL INFORMATION



ACUTE TOXICITY:

PRODUCT:

ACUTE ORAL TOXICITY:
ACUTE TOXICITY ESTIMATE: >5,000 MG/KG

METHOD: CALCULATION METHOD

SKIN CORROSION/IRRITATION:

PRODUCT:

REMARKS: EXTREMELY CORROSIVE AND DESTRUCTIVE TO TISSUE.

SERIOUS EYE DAMAGE/EYE IRRITATION:

PRODUCT:

REMARKS: MAY CAUSE IRREVERSIBLE EYE DAMAGE.

RESPIRATORY OR SKIN SENSITISATION: NO DATA AVAILABLE

GERM CELL MUTAGENICITY: NO DATA AVAILABLE

CARCINOGENICITY: NO DATA AVAILABLE

REPRODUCTIVE TOXICITY: NO DATA AVAILABLE

HYDROGEN PEROXIDE:

1- (1-METHYL-2-PROPOXYETHOXY) PROPAN-2-OL:

STOT - SINGLE EXPOSURE: NO DATA AVAILABLE

STOT - REPEATED EXPOSURE: NO DATA AVAILABLE

ASPIRATION TOXICITY: NO DATA AVAILABLE

FURTHER INFORMATION

PRODUCT:

REMARKS: NO DATA AVAILABLE

SECTION 12. ECOLOGICAL INFORMATION



ECOTOXICITY: NO DATA AVAILABLE

PERSISTENCE AND DEGRADABILITY: NO DATA AVAILABLE

BIOACCUMULATIVE POTENTIAL:

PRODUCT:

PARTITION COEFFICIENT N-OCTANOL/WATER:

REMARKS: NO DATA AVAILABLE

COMPONENTS:

1- (1-METHYL-2-PROPOXYETHOXY) PROPAN-2-OL:

PARTITION COEFFICIENT N-OCTANOL/WATER:

POW: 7.7

MOBILITY IN SOIL: NO DATA AVAILABLE

OTHER ADVERSE EFFECTS: NO DATA AVAILABLE

PRODUCT:

REGULATION:

40 CFR PROTECTION OF ENVIRONMENT; PART 82 PROTECTION OF STRATOSPHERIC
OZONE - CAA SECTION 602 CLASS I SUBSTANCES

REMARKS:

THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I OR
CLASS II ODS AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 602 (40 CFR 82,
SUBPT. A, APP.A + B).

ADDITIONAL ECOLOGICAL INFORMATION: NO DATA AVAILABLE

SECTION 13. DISPOSAL CONSIDERATIONS



DISPOSAL METHODS:

WASTE FROM RESIDUES:

DO NOT DISPOSE OF WASTE INTO SEWER.

DO NOT CONTAMINATE PONDS, WATERWAYS OR DITCHES WITH CHEMICAL OR USED CONTAINER.

DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.

CONTAMINATED PACKAGING:

EMPTY REMAINING CONTENTS.

DISPOSE OF AS UNUSED PRODUCT.

DO NOT RE-USE EMPTY CONTAINERS.

SECTION 14. TRANSPORT INFORMATION



TRANSPORTATION REGULATION:

49 CFR (USA): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:

IMDG (VESSEL): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:

IATA (CARGO AIR): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:

IATA (PASSENGER AIR):

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:

TDG (CANADA): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

SECTION 15. REGULATORY INFORMATION



EPCRA - EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT:

CERCLA REPORTABLE QUANTITY:

| COMPONENTS | CAS-NO. | COMPONENT RQ
(LBS) | CALCULATED PRODUCT RQ
(LBS) |
|----------------------|-----------|-----------------------|--------------------------------|
| ORTHOPHOSPHORIC ACID | 7664-38-2 | 5000 | * |

*: CALCULATED RQ EXCEEDS REASONABLY ATTAINABLE UPPER LIMIT.

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY:

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 304 EHS RQ.

SARA 311/312 HAZARDS: ACUTE HEALTH HAZARD

SARA 302:

NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302.

SARA 313:

THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL COMPONENTS WITH KNOWN CAS

NUMBERS THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313.

CALIFORNIA PROP 65:

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

THE COMPONENTS OF THIS PRODUCT ARE REPORTED IN THE FOLLOWING INVENTORIES:

TSCA: ON TSCA INVENTORY

DSL:

THIS PRODUCT CONTAINS ONE OR SEVERAL COMPONENTS THAT ARE NOT ON THE CANADIAN DSL NOR NDSL.

AICS: NOT IN COMPLIANCE WITH THE INVENTORY

NZIOC: NOT IN COMPLIANCE WITH THE INVENTORY

PICCS: NOT IN COMPLIANCE WITH THE INVENTORY

IECSC: NOT IN COMPLIANCE WITH THE INVENTORY

INVENTORY ACRONYM AND VALIDITY AREA LEGEND:

AICS (AUSTRALIA), DSL (CANADA), IECSC (CHINA), REACH (EUROPEAN UNION), ENCS (JAPAN), ISHL (JAPAN), KECI (KOREA), NZIOC (NEW ZEALAND), PICCS (PHILIPPINES), TCSI (TAIWAN), TSCA (USA)

SECTION 16. OTHER INFORMATION



FURTHER INFORMATION:

NFPA:

| | |
|----------------|---|
| HEALTH | 3 |
| FLAMMABILITY | 0 |
| INSTABILITY | 0 |
| SPECIAL HAZARD | |

HMIS III:

| | |
|-----------------|---|
| HEALTH | 3 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

0 = NOT SIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = EXTREME

* = CHRONIC

OSHA GHS LABEL INFORMATION:

HAZARD PICTOGRAMS: CORROSION

SIGNAL WORD: DANGER

HAZARD STATEMENTS: CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE.

PRECAUTIONARY STATEMENTS:

PREVENTION:

WASH SKIN THOROUGHLY AFTER HANDLING. WEAR EYE PROTECTION/FACE PROTECTION.
WEAR PROTECTIVE GLOVES.

RESPONSE:

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

IF IN EYES:
RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES,
IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON
CENTER OR DOCTOR/PHYSICIAN.

IF SKIN IRRITATION OCCURS:
GET MEDICAL ADVICE/ATTENTION. TAKE OFF CONTAMINATED CLOTHING AND WASH
BEFORE REUSE.

STORAGE: STORE IN A WELL-VENTILATED PLACE. STORE LOCKED UP.

DISPOSAL:
DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL REGULATION.

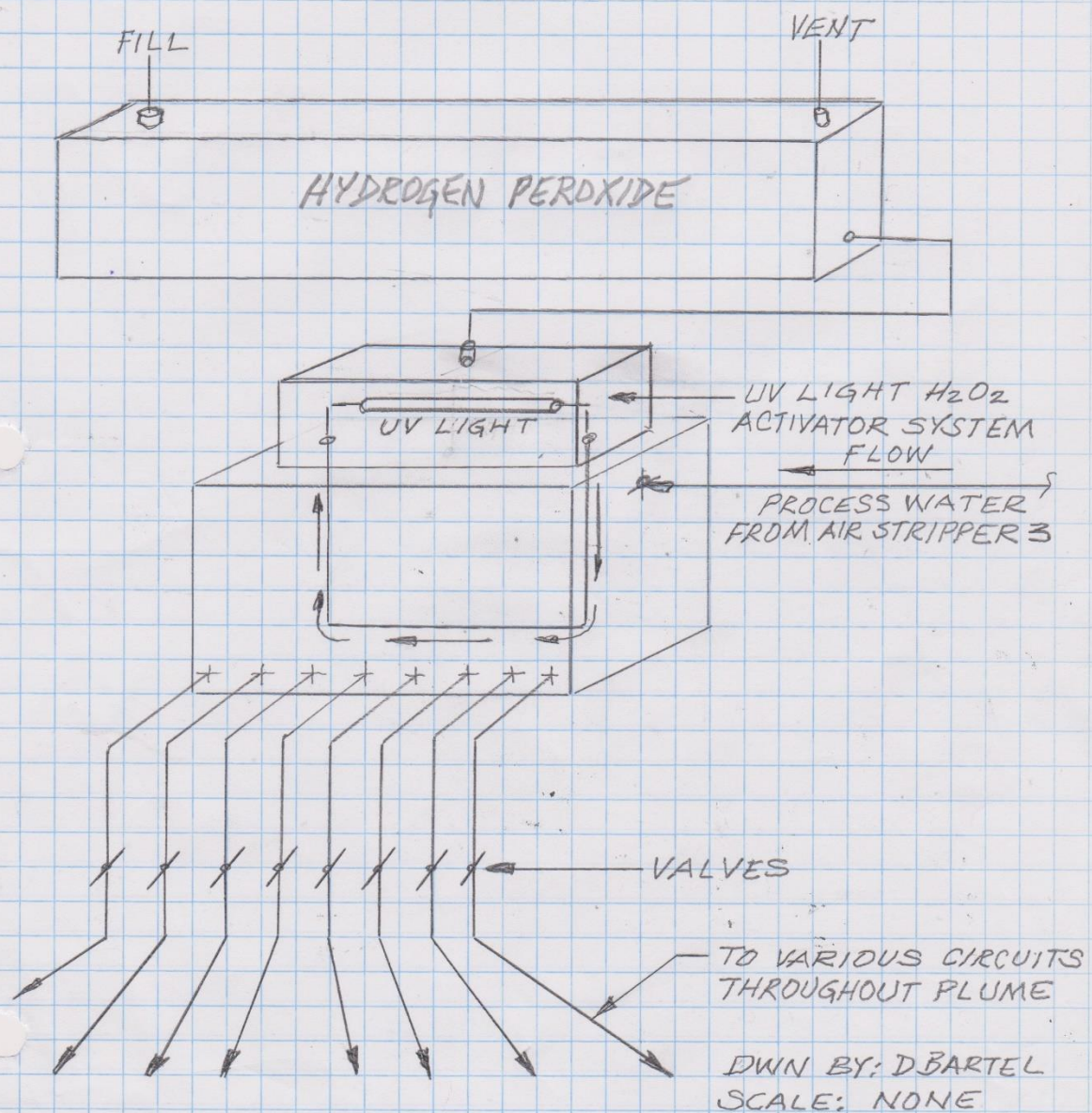
VERSION: 1.1.

REVISION DATE: 07/30/2012

PRINT DATE: 07/31/2012

WE BELIEVE THE STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS
CONTAINED HEREIN ARE RELIABLE, BUT THEY ARE GIVEN WITHOUT WARRANTY OR
GUARANTEE OF ANY KIND. THE INFORMATION IN THIS DOCUMENT APPLIES TO THIS
SPECIFIC MATERIAL AS SUPPLIED. IT MAY NOT BE VALID FOR THIS MATERIAL IF IT
IS USED IN COMBINATION WITH ANY OTHER MATERIALS. USERS SHOULD MAKE THEIR
OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY AND APPLICABILITY OF THE
INFORMATION FOR THEIR PARTICULAR PURPOSES. THIS SDS HAS BEEN PREPARED BY
THE COMPLIANCE SERVICES ORGANIZATION SUPPORTING THIS MANUFACTURER, SUPPLIER
OR DISTRIBUTOR.

SCHEMATIC DIAGRAM
H₂O₂ TREATMENT SYSTEM
2018



FarWest Paint UST Ground-Water Remediation Using Hydrogen Peroxide**2018****Product and Sourcing:**

Integra Chemical, Kent, WA – Hydrogen Peroxide P/N H772.50.90

Specs: See MSDS attached.

Treatment:

Ratio of water to Hydrogen Peroxide Product: 50 : 1 min. – 100:1 max.

Concentration of H₂O₂ per gallon of Product: 50 %

Total number of treatments with this Product: 3

Number of gallons of Product used per Treatment: 100

Number of gallons of water used per treatment: 5,000 min. to 10,000 max

(Each treatment used 1,000 to 2,000 gallons of H₂O per day spread over 5 days)

Method: Process water metered through flow sensor and H₂O₂ gravity fed and metered using precision needle valve and timer. Additional activation of H₂O₂ by UV light was used to increase the reactivity of the H₂O₂. See illustration.

Notes:

An aggressive ratio of H₂O₂ to water was used in these treatments due to disappointment with results of prior treatments using H₂O₂. The heat generated was closely monitored to avoid excess heat generation underground due to H₂O₂'s reactivity as it sheds oxygen in the presence of Volatile Organic compounds.

We carefully managed ratios and flow rates to prevent undesirable side effects from use of the H₂O₂:

No excess heat at wells.

No foaming from wells.

Processed water returned to the source (not to sewer).

SAFETY DATA SHEET: HYDROGEN PEROXIDE, 50%**1. IDENTIFICATION**

Product Name: HYDROGEN PEROXIDE, 50%
 Synonyms:
 Formula and Formula Weight: H₂O₂ 34.01
 Integra numbers beginning with: H772.50
 Recommended Use: Commercial/Industrial use
 Restrictions on Use: No information available

INTEGRA Chemical Company 24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)
 1216 6th Ave N
 Kent WA 98032
 Phone: 253-479-7000

2. HAZARDS IDENTIFICATION

| OSHA Classification: | Hazard Category: | Hazard Statement: |
|-----------------------------|------------------|--|
| Acute Toxicity - Oral | 4 | Harmful if swallowed. |
| Skin Corrosion/Irritation | 1 | Causes severe skin burns and eye damage. |
| Eye Damage/Irritation | 1 | Causes serious eye damage. |
| Sensitization - Respiratory | 1B | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Oxidizing Liquids | 1 | May cause fire or explosion; strong oxidizer. |

Signal Word: Danger

**Precautionary Statements****Prevention:**

Keep away from heat.
 Keep, Store away from clothing and other combustible materials.
 Take any precaution to avoid mixing with combustibles.
 Do not breathe fume, gas, mist, vapors, spray.
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Wear protective gloves, protective clothing, eye protection, face protection.
 Wear fire, flame resistant, retardant clothing.
 Wear respiratory protection.

Response

If swallowed: Call a poison center, doctor if you feel unwell.
 If swallowed: Rinse mouth. Do NOT induce vomiting.
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water, shower.
 If inhaled: Remove person to fresh air and keep comfortable for breathing.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
 Immediately call a poison center, doctor.
 Specific treatment (see first aid section on this label)
 If experiencing respiratory symptoms: Call a poison center, doctor.
 Wash contaminated clothing before reuse.
 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Storage

Store locked up.

Disposal

Dispose of contents, container in accordance with all governmental regulations.

Hazards Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | Synonyms | CAS # | % Weight |
|-------------------|------------------|------------|----------|
| Water | | 07732-18-5 | 50 |
| Hydrogen peroxide | Hydrogen dioxide | 07722-84-1 | 50 |

4. FIRST AID MEASURES

OSHA SDS #: 25753 rev 101 3/27/2015 HYDROGEN PEROXIDE, 50%

Page 1

| | |
|-------------------|--|
| Inhalation: | Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult administer oxygen. Seek medical attention. |
| Eye Contact: | Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical attention. |
| Skin Contact: | Immediately remove contaminated clothing. Flush skin with water for at least 15 minutes. Seek immediate medical attention. |
| Ingestion: | Rinse mouth and give victim large quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention. If swallowed, large amounts of oxygen may be released quickly. The distention of the stomach or esophagus may be injurious. Insertion of a gastric lavage tube may be advisable. |
| Additional notes: | Symptoms and effects include skin, eye, nose, throat irritation; sore throat, cough, shortness of breath, pulmonary edema; dizziness; headache; blurred vision, corneal ulcer; bleaching of skin; abdominal pain, distention; nausea, vomiting; possible embolism in the blood resulting in shock or symptoms of a stroke. |

5. FIRE-FIGHTING MEASURES

| | |
|------------------------------------|---|
| Extinguishing Media: | Use only water. |
| Special Equipment and Precautions: | Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection. |
| Specific Hazards: | This chemical may cause a fire if it dries on clothing, wood, or other combustibles. Contact with flammable liquids or vapors may cause immediate fire or explosion. Decomposition will release oxygen which will increase the explosive limits and burning rate of vapors. |
| Hazardous combustion products: | Contamination or heat may cause a self-accelerating exothermic decomposition with oxygen gas and steam release that can cause dangerous pressure. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|-------------------|--|
| Spill Procedures: | Prevent spread of spill. Eliminate potential sources of ignition and contamination. Wear full protective equipment.

Flood area with water and drain to an approved chemical sewer or wastewater treatment system. May be destroyed with sodium metabisulfite or sodium sulfite after diluting to 5-10% peroxide (1.9 lbs SO ₂ equivalent per pound of peroxide). |
|-------------------|--|

7. HANDLING AND STORAGE

| | |
|-------------------------|---|
| Incompatible Materials: | Reducing agents, combustibles, metals, cyanides, hexavalent chrome compounds, nitric acid, alcohols, bases. |
| Storage and Handling: | Store locked up in a cool dry, well-ventilated area dedicated to oxidizer storage. Keep well away from incompatibles and potential sources of contamination. Keep out of light. Keep containers tightly closed when not in use. Regularly vent containers to prevent dangerous build-up of oxygen gas.

Keep away from heat.
Keep, Store away from clothing and other combustible materials.
Take any precaution to avoid mixing with combustibles.
Do not breathe fume, gas, mist, vapors, spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing, eye protection, face protection.
Wear fire, flame resistant, retardant clothing.
Wear respiratory protection. |

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

| | |
|--------------------------------|--|
| OSHA & ACGIH Exposure Limits: | |
| Water | None identified |
| Hydrogen peroxide | OSHA TWA: 1 ppm; 1.4 mg/m ³ ACGIH TWA: 1 ppm; 1.4 mg/m ³ |
| Engineering Controls: | Use general or local exhaust ventilation to meet TLV and PEL requirements. |
| Respiratory Protection: | Respiratory protection required if airborne concentrations exceed PEL or TLV. Use a NIOSH approved full facepiece supplied air respirator. |
| Skin/Eye Protective Equipment: | Safety goggles, face shield, chemical-resistant gloves and protective clothing appropriate for the risk of exposure. Natural rubber, nitrile, or polyvinylchloride afford adequate protection. Do not wear leather gloves or leather shoes because they can ignite following contact with peroxide.

Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers. Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-----------------------------------|
| Appearance: | Clear, colorless liquid |
| Odor: | Slightly irritating, pungent odor |
| Odor Threshold: | Not available |
| pH: | Not available |
| Melting/Freezing Point: | -52.2 °C |
| Initial Boiling Point and Boiling Range: | 114 °C |
| Flash Point: | Not available |
| Evaporation Rate: | Not available |
| Flammability: | Not available |

| | |
|--|----------------------|
| Flammable or Explosive | Upper: Not available |
| Limits (% by volume in air) | Lower: Not available |
| Vapor Pressure: | 13.5 mm Hg@20°C |
| Vapor Density: | Not available |
| Relative Density: | 1.19 Water=1 |
| Solubility: | Miscible with water. |
| Partition Coefficient: n-octanol/water | Not available |
| Auto-Ignition Temperature: | Not available |
| Decomposition Temperature: | Not available |
| Viscosity: | Not available |

10. STABILITY AND REACTIVITY

| | |
|-------------------------------------|---|
| Reactivity: | No information available |
| Stability: | Unstable |
| Possibility of Hazardous Reactions: | Hazardous polymerization will not occur; contamination may cause rapid decomposition, generating large quantities of heat. |
| Conditions to Avoid: | Excessive heat, light or contamination of any kind. |
| Incompatibles: | Reducing agents, combustibles, metals, cyanides, hexavalent chrome compounds, nitric acid, alcohols, bases. |
| Decomposition Products: | Contamination or heat may cause a self-accelerating exothermic decomposition with oxygen gas and steam release that can cause dangerous pressure. |

11. TOXICOLOGICAL INFORMATIONEffects of Over Exposure:

| | |
|-----------------------|---|
| Inhalation: | Vapors and mists severely irritate the nose and throat. Symptoms may include chest discomfort, cough, sore throat, dizziness, headache, difficulty in breathing and shortness of breath, pulmonary edema. |
| Skin Contact: | Brief exposure will irritate and bleach the skin. Longer exposure causes severe irritation, blisters and burns. May cause redness, pain, vesicles on skin. |
| Eye Contact: | Vapors will irritate the eyes. Liquid and mists will irritate and may burn the eyes. This product is corrosive to the eyes and its effects may be delayed. May cause blurred vision, corneal ulcer. Direct liquid contact on the eyes may cause irreversible damage or blindness. |
| Ingestion: | The liquid is severely irritating to the mouth and throat. May cause sore throat, abdominal pain, nausea, vomiting. Swallowing the liquid may cause a sudden evolution of oxygen, which can cause injury by distension of the esophagus or stomach. Local internal bleeding may result. May cause embolism in the blood resulting in shock or symptoms of a stroke. Gross overexposure by ingestion may be fatal. |
| Chronic Effects: | None identified |
| Target Organs: | Eyes, skin, respiratory system. |
| Additional Effects: | May aggravate pre-existing skin and respiratory conditions. Possible lung damage. |
| Reproductive Effects: | This material may be mutagenic. |
| Carcinogenicity: | Hydrogen peroxide is listed by the IARC as Group 3, Unclassifiable. |

Toxicity Data:

| | |
|-------------------|---|
| Water | No information available |
| Hydrogen peroxide | LC50 (inhalation, rat) -- for Hydrogen peroxide 90% > 2000 ppm/8H |
| | LD50 (skin, rat) -- for Hydrogen peroxide 35% > 2000 mg/kg |
| | LD50 (oral, rat) -- for Hydrogen peroxide 35% 1232 mg/kg |

12. ECOLOGICAL INFORMATION

| | <u>Aquatic Toxicity Data:</u> | <u>Terrestrial Toxicity Data:</u> |
|--------------------------------|---|-----------------------------------|
| Water | No information available | No information available |
| Hydrogen peroxide | LC50 Lepomis macrochirus: 26.7 mg/L - 9 | No information available |
| Persistence and degradability: | Biodegradable | |
| Bioaccumulative potential: | Potential to bioaccumulate is low | |
| Mobility in soil: | No information available | |
| Other adverse effects: | No information available | |

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

This product is a regulated material for domestic ground transportation, per CFR Title 49.

| | |
|-----------------------|-------------------------------------|
| UN Number: | UN2014 |
| Proper Shipping Name: | Hydrogen peroxide, aqueous solution |
| Packing Group: | II |
| Hazard Class: | 5.1 |
| Subsidiary Risk: | 8 |

Environmental hazards: No information available
Special precautions: No information available
Bulk transport: No information available

15. REGULATORY INFORMATION

Hydrogen peroxide is listed in the TSCA inventory and in SARA 302.

16. OTHER INFORMATION

OSHA SDS #: 25753 rev 101 3/27/2015

NE = Not established; NA = Not applicable or Not available

The information presented above is offered for informational purposes only. This SDS, and the associated product, is intended for use only by technically qualified persons, and at their own discretion and risk. Since conditions and manner of use are outside the control of Integra Chemical Company, we make no warranties, either expressed or implied, and assume no liability in connection with any use of this information.

***** END OF SDS *****

Summary of 2018 Upgraded VES and Ground-water Processing Design

System was designed by Duane Bartel.

Components eliminated from original groundwater processing system for upgrade:

- Eliminated Original monitoring wells (2" dia.) converted to production wells.
- Eliminated peristaltic pumps (16), pump cabinet with settling drum.
- Plumbing to environmental shed Air Stripper Tote.
- Air Stripper Tote eliminated.
- Skimming/Decanting Tote eliminated.
- All associated plumbing.

Components added to groundwater processing system for upgrade:

- New style production wells (2" dia., 8" auger bored with sand around well pipe) replaced old style wells.
- Waterspout 2 inline pumps inside each well with 3/8" lines to environmental processing shed.
- 750 gallon Settling Tank
- 1000-gallon Packed Column Air Stripper #1, 14,000CFM blower, 10-20gpm water processing capacity.
- Packed Tower Air Stripper #2, 14,000CFM blower, 10-20gpm water processing capacity.
- Packed Tower Air Stripper #3, 14,000CFM blower, 10-20gpm water processing capacity, Using 34 fog nozzles, powered by a 7 HP 400 psi diaphragm pump.
- Two 55-gallon drums and two 30-gallon canisters of Organoclay
- One 40 gallon canister of aquatic granulated activated carbon
- One UV light clarifier/activator unit, mostly used with H2O2 for augmentation.
- Discharge back to selectable portions of the plume.

Upgraded VES System retained Basic VES Components but added the following:

- 2HP, 3-Phase, 240 volt, 90CFM, FUJI Ring Blower.
- 12" Dia. flex ducting from air strippers to dedicated pressurized air-water separator made from two 275-gallon totes in series.
- Bed carbon filtration on Pressure side of VES system.
- Carbon filter element section using (6) 9" x 20" x 1" carbon filter elements downstream from Bed carbon filtration.
- Added MSA VOC monitoring port in VES exhaust duct between
- Rerouted VES plumbing as needed for new VES/sparge lines in warehouse.
- Added warehouse plumbing for alternate VES routing to passive VES exhaust ports in north warehouse ceiling and south ceiling of environmental shed.

Above Ground Oil Water Separators

Page 1 of 5



ORGANOCLAY
Ecologix
 (http://www.ecologixsystems.com/)

Phone (678-514-2100) (tel:678-514-2100)

Tom McKinney

AHP-55 Liquid Phase Oil Water Separators

AHP-55 Series Liquid Phase Vessels are designed for oil removal applications. The top is made of heavy gauge domed steel and is powder-coated for durability. The interior has dual liners and a heavy domed bottom. Each unit has a built-in 30 psi pressure relief valve with a 3/4 inch NPT connection, influent/effluent sample and pressure ports. If you've got oily wastewater that needs to be cleaned up before discharge to the sewer, the AHP-55 might just become your new best friend.

[Above Ground Oil Water Separator \(product-ows-ecos.php\)](#) | [Below Ground Oil Water Separator \(product-ows-hqb.php\)](#) | [SkimLoop oil Water Separator \(oil-water-separator-skimloop.php\)](#) | [BORS \(product-ows-bors.php\)](#) | [OilFree \(product-ows-oilfree.php\)](#) | [Organoclay Cartridges \(mcm-organoclay-cartridges.php\)](#)

AHP-55 LGAC 830

Contains a [granular activated carbon \(product-activated-carbon.php\)](#) made especially for use in a liquid phase applications. Its particle size and pore structure has been specifically designed to provide the best adsorption of impurities from liquid steam with the least flow resistance and pressure drop. The resulting product is characterized by high internal surface area and contains a broad pore size distribution.



AHP-55 LGAC 1240

Contains a pelletized activated carbon made especially for use in a vapor applications. Its particle size and pore structure have been specifically designed to provide the best adsorption of impurities from vapor steam with the least flow resistance.

AHP-55 MCM-830P

A modified clay mineral designed for use as a filter media in process and wastewater treatment. The product effectively removes a wide range of hydrocarbons and trace amounts of heavy metals from water. Unlike competitive filter media, Ecologix [Organoclay - MCM-830P \(product-specialty-chemicals-organoclay.php\)](#) does not swell or blind when sorbing contaminants, so there is no need for blending it with an anthracite filler.

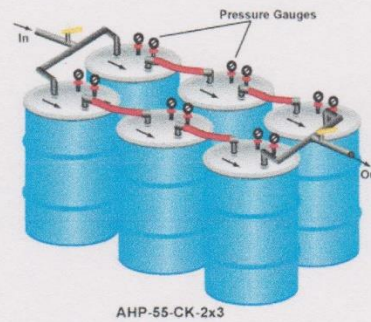
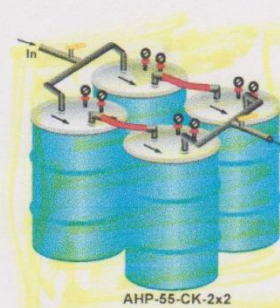
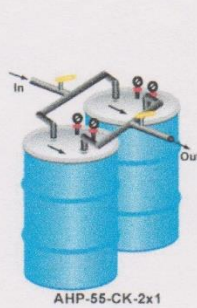
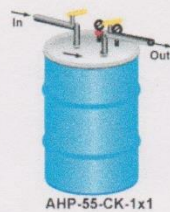
*Note: Pressurized Barrel
 Option or can be
 gravity flow.*

<http://www.ecologixsystems.com/product-ows-ahp.php>

10/18/2017

AHP-55 Series Liquid Phase Vessel Specifications

| Model | Max PSI | Max GPM | Media | Lbs of Media | Size (55 gal) | Mesh | Inlet/Outlet |
|------------------|---------|---------|------------------|--------------|---------------|---------|--------------|
| AHP-55 LGAC 830 | 30 | 10 | Activated Carbon | 180 | 24" x 35" | 8 x 30 | 2" |
| AHP-55 LGAC 1240 | 30 | 10 | Activated Carbon | 180 | 24" x 35" | 12 x 40 | 2" |
| AHP-55 MCM 830P | 30 | 10 | OrganoClay | 250 | 24" x 35" | 8 x 30 | 2" |



Flow Kit Connection Setup 1 - 6 Canisters

Flow Rates and Part Numbers for Connection Kits

| Configuration | Max GPM per setup | Part Number |
|--------------------|-------------------|---------------|
| Flow Control Valve | Valv1CK | |
| 1 in and out | 10 | AHP-55-CK-1x1 |
| 2 in series | 10 | AHP-55-CK-1x2 |

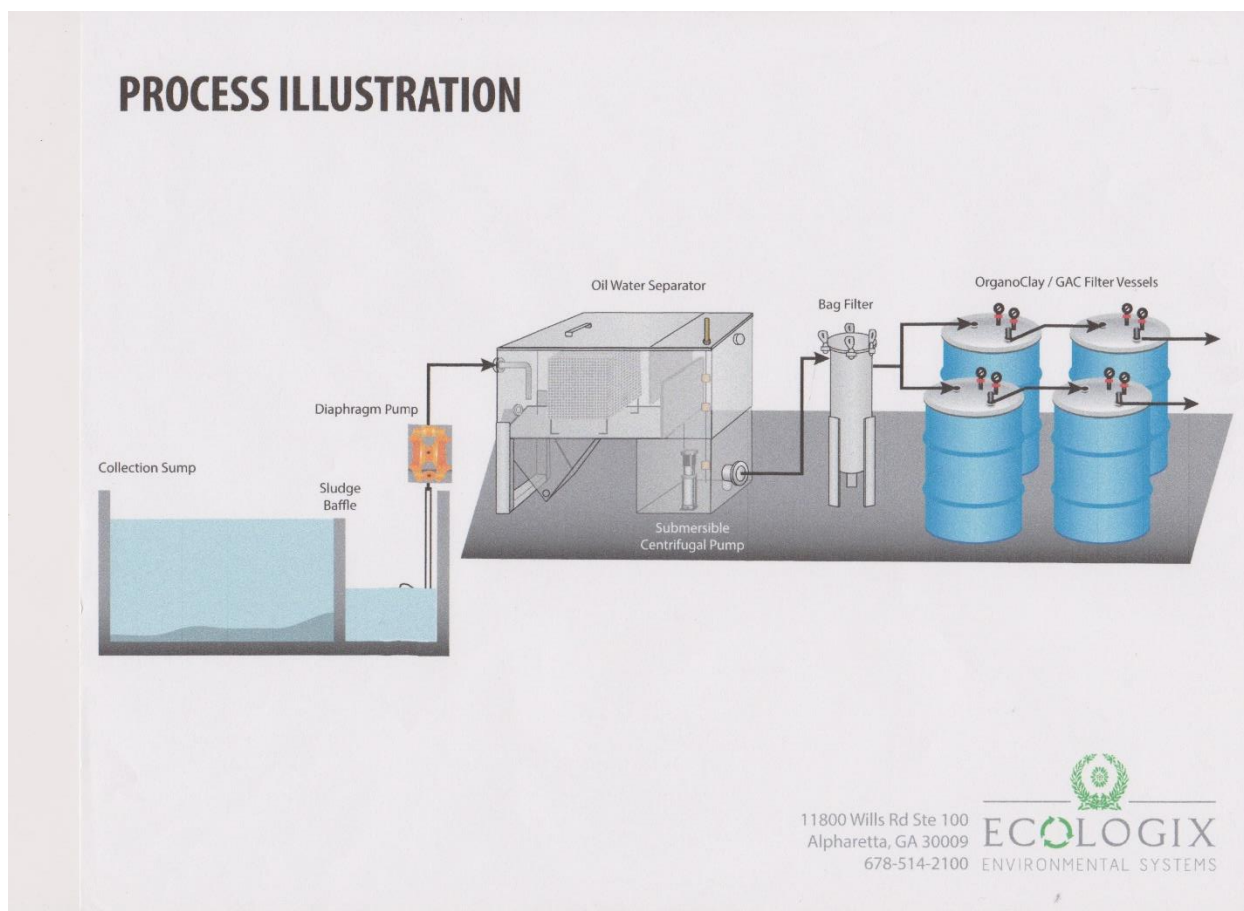
| | | |
|----------------------------|----|---------------|
| 3 in series | 10 | AHP-55-CK-1x3 |
| 2 in parallel | 20 | AHP-55-CK-2x1 |
| 2 in parallel, 2 in series | 20 | AHP-55-CK-2x2 |
| 2 in parallel, 3 in series | 20 | AHP-55-CK-2x3 |

AHP-55 Optional Connection Kit

Sold pre-assembled. Allows user to easily connect AHP-55's in series and in parallel. Connections are 1" female cam lock in and out. Allows easy switch of flow direction for occasional backwashing. (note: to prevent clogging, never backwash into another carbon filter in the train. This will only foul the following canister. Instead backwash into an empty drum and allow sediments to settle. Once settled, decant the clear liquid on top and dispose of the slurry below). Comes pre-assembled as shown. 1/4" PVC Valves, 0-60 psi gauges. Recommended for first time purchase of AHP-55 vessels.



Used AHP Unit



10-22-2017
Diane Betel

ORGANOCLAY

The following two pages are notes from a phone meeting w/ Tom McKinney of Ecologix Systems of Alpharetta, GA. on October 22, 2017.

According to Tom:

- Organoclay will absorb 80% of its weight in VOC. A 55 gallon drum of organoclay will absorb ~~over 40 gallons~~ about 44 gallons of mineral spirits.
- Once saturated, the infusing of the VOC into the organoclay transforms the mineral spirits into a non-toxic, non-polluting material that can be disposed of in a normal land/fill.
- If a gravity system is used, adjust height of tote as necessary to achieve the flow rate desired.
- Use a filter to separate silts & clays or they will foul the organoclay and dramatically decrease its efficiency.

10-22-17
Tom Beld

ORGANOCLAY

REF ONLY

Following Page Shows
a very minimalistic
Organoclay Processing
System

- Ten gallons per minute
max. throughput (under pressure
& using one 55 gallon volume of
organoclay in a 80 gallon pressure tank)
- Another option is to use (2) 55 gallon
drums, each filled half full of organoclay
& 6" of peagravel at the bottom. Set
up for gravity flow, with sufficient fall
(head), this simple arrangement can process
10 gpm also. (Note: no pump needed.)

Super-Minimalist Equipment Approach to Mineral Spirit Remediation

DBartel 10/22/2017

Existing 275 gallon Reservoir/Trash
Tote in Environmental Equipment
Shed

Notes:

- A 55 Gallon Drum
of organoclay can
trap 45 gallons
of mineral spirits.

- Ecologix - Alpharetta, GA

55 gallon or
80 gallon Pressure
Vessel w/ 50 gallons
of Organoclay.

- A 55 gallon drum
of organoclay can
absorb 45 gallons
of mineral spirits
- Ecologix - Alpharetta,
Georgia.

- PF-500-MCM.
830P-DR

- Purchased (2)
DRUMS OCT 28

- Inv # 72461

- Cust # 14556

- 348 50 EA

- (2) orders
two weeks
apart

- Second Inv
72528

+ 3rd order
6 wks later

TO
Sewer

Bag
Filter

Pump

Equipment Shown is within lower
level of Environmental Equip. Shed

DB
12/21/17
Inv #
7311

XFINITY Connect

Page 2 of 12

ORGANO CLAY

Thanks.
Duane

From: "Tom McKinney" <tmckinney@ecologixsystems.com>
To: "duanesadventures2296" <duanesadventures2296@comcast.net>
Sent: Monday, October 23, 2017 1:28:13 PM
Subject: RE: Process Illustration - Sump to OWS to Polishing.pdf - Adobe Acrobat Professional

Duane,

I just heard back from the factory. I thought our drums had some kind of coating but they indicated that they did not... and also that we can only sell a complete unit.

You may check for a drum dealer in your area to help you with a couple new drums with possibly some type of coating on the inside.



Tom McKinney - Sales Manager
Water & Wastewater Treatment Solutions
 11800 Wills Road | Suite 100 | Alpharetta | GA | 30009
 888-326-2020 Toll Free (U.S., Canada, Mexico)
 678-514-2100 - O ext. 7017
 678-514-2106 - F
tmckinney@EcologixSystems.com
www.EcologixSystems.com

Engineering complete water and wastewater treatment solutions worldwide

From: duanesadventures2296@comcast.net [mailto:duanesadventures2296@comcast.net]
Sent: Monday, October 23, 2017 3:37 PM
To: Tom McKinney <tmckinney@ecologixsystems.com>
Cc: duanesadventures2296 <duanesadventures2296@comcast.net>; galas455 <galas455@aol.com>; Bartel, Skye <wkoedhyzvxx@msn.com>
Subject: Re: Process Illustration - Sump to OWS to Polishing.pdf - Adobe Acrobat Professional

Hi Tom,

(2) Drums - \$948⁵⁰ EA. - Inv# 72461 10/23/17 (2)
 Inv# 72528 11/04/17 (2)
 Inv# 7311 12/21/17 (2)

I am ready to place the order for a drum of organoclay. So if you will please send me the bid and ordering information, I would like to do this ASAP.

I plan to put half in one drum and half in another, which leads me to inquire what would an empty drum with lid, coated inside in the manner you described, cost?
 All my drums are bare metal inside and have a lot of rust scale?
 This way, my system would have two identical drums for the final stage.
 I look forward to your reply.

Duane Bartel

From: "Tom McKinney" <tmckinney@ecologixsystems.com>
To: "Duane Bartel" <duanesadventures2296@comcast.net>
Sent: Thursday, October 19, 2017 11:36:16 AM

[https://web.mail.comcast.net/zimbra/h/printmessage?id=C:411799&tz=\(GMT-08:00\) Aut...](https://web.mail.comcast.net/zimbra/h/printmessage?id=C:411799&tz=(GMT-08:00) Aut...) 10/25/2017

Appendix E: Soil Disposal & Backfill Documents

FarWest Paint UST Mineral Spirit
Hazardous and Non-Hazardous Waste Disposal
2010 -2020

Spent Carbon Canisters (55-gallon drums):

- Between 2010 – 2017, six carbon canisters (Siemens VSC-200 Vapor Phase Carbon Vessels filled with Carbon H2 Ref# 290322), were used but none were completely spent.
- Used, but unspent drums were sealed and stored in dry, heated storage shed.
- During 2017 warehouse excavation (18' x 18' x 7' DP), contents of six carbon canisters was blended with mineral spirit-contaminated soil removed for disposal by Republic Services as hazardous waste (Profile #: 4178 17 12485.
- During 2019 warehouse excavation, four additional carbon canisters (none completely spent) were disposed of by evenly distributing the contents with the contaminated soil removed from the 2019 excavation and disposed of as hazardous waste by Republic Services using the same profile #: 4178 17 12485.
- Two remaining canisters, still unspent, are installed and currently useable for reactivation of the VES system. They are probably over half spent. When they are spent, Siemen's has a facility in Brush Prairie, Washington where they can be disposed of.

FarWest Paint UST Mineral Spirits

Tailings Disposal

2010 – 2019

2010 – 2' x 4' x 100' Long Trench in warehouse: This small project involved a lot of hand-digging and grading by hand to separate a lot of gravel that was available in the trench soil. The soil close to the East factory wall was moderately polluted with mineral spirits but was only slightly polluted at the West end of the trench. Some of the removed soil was not polluted at all. Overall, the amount of soil that was above clean up levels (100ppm for dirt/ 300ppm in air) was less than half of the total soil removed. The gravel in the soil was separated from the soil and put back into the trench. The trench was filled the rest of the way with ¾" drain rock. Three 48" fans were run 24/7 during the project. The combination of good ventilation, modest rate of completion of the project due to the large amount of manual work, and the low average pollution of the soil resulted in the average soil pollution level being only slightly above the clean-up level by the time the soil was removed from the warehouse. Once stockpiled outdoors, the soil was tested using a MSA tester with Auer tubes rated for mineral spirits. Testing the stockpile in multiple places, all samples tested slightly above the clean-up level initially. Two weeks later, it tested below clean-up limits. The amount of dirt in the stockpile was about a truck load. The dirt was spread evenly over the south yard.

2017-2018 – 18' x 18' x 7' DP excavation was excavated and the soil hauled away as Hazardous Waste by Republic Services under Profile #: 4178 17 12485. The excavation was filled with ¾" drain rock. See attached Profile, Bills of Lading and Gravel delivery records.

2017 – 2' x 20' long x 7' Deep trench by North face of Environmental Shed. Soil disposed of by Republic Services under same profile as above and same Bills of Lading and same Gravel delivery.

Carbon Canisters (2010-2017) – Four nearly-spent 55-gallon drums of Siemen's VSC-200 granulated, activated carbon (drum #s 1-4) were evenly distributed in dirt hauled from the 2017 excavation described above, treated as hazardous waste under that Profile. See Profile attached for that excavation. Hauled by Republic Services. Gravel sourcing same as above.

2018-2019 – Large (2,000 square foot) indoor warehouse excavation to remove mineral spirit-impacted soil under the warehouse floor. This included three trenches, two indoors and one just outside the East warehouse wall, just North of the environmental shed. All excavations were about 11 ½ feet deep. The same Profile was used for these excavations as was used for the 2017 excavations. Republic hauled away this dirt as hazardous waste. Gravel was delivered by Cadman Inc. See attached Bills of Lading and Gravel delivery documentation.

2018 – 2019 – Six more nearly-spent carbon canisters were disposed of with the waste dirt described above by Republic Services under the same profile. Documentation same as above.

2018 – 2019 – Disposal of four barrels of Organoclay. Although this spent material is not required to be treated as hazardous waste, we decided to be conservative regarding its disposal and had it hauled away by Republic Services in the same manner as above.

2019 – Sludge cakes from retired sediment totes and tanks was broken up, pulverized and blended into the mineral spirit-impacted soil of the 2019 excavation and disposed of in the same manner as above.



SPECIAL WASTE SERVICE AGREEMENT NON-HAZARDOUS WASTES

Special Waste Profile Number: 4178 17 12485

Generator Billing Information

Name: Tenor Company
 Address: 327 S Kenyon
 City: Seattle
 State: Washington Zip: 98330
 Phone: 206-321-5565 Fax: _____
 Contact: Duane Bartel

Republic Waste Location (Company)

Regional Disposal Company
4178 Roosevelt Regional MSW LF WA
500 Roosevelt Grade Road
Roosevelt WA 99356

Project: Mineral Spent contaminated soil County and State of Origin: King County, Washington

Additional Information: _____

1. **Special Waste Service.** Subject to the terms and conditions contained herein, the Company and the Generator agree to be legally bound hereby and the Company agrees to accept at its Facility, Acceptable Waste (hereinafter referred to as "Special Waste" or "Waste") delivered by Generator, and which is acceptable to the Company as herein provided.
2. **Acceptable Waste.** Only those Special Wastes described in Paragraph 3 herein and in any Special Waste Profile(s) which number is identical to the contract number referenced above, and which Profile(s) are hereby incorporated by reference herein, and which Waste is subsequently approved by the Company and is otherwise in accordance with all laws, regulations and permits, shall be acceptable for disposal at the Facility ("Acceptable Waste").

| 3. (A) Rates for Disposal: | | | | |
|----------------------------|-----------------|----------------|----------------------|----------------|
| Waste | Disposal Method | Disposal Rate: | Fees / Taxes / Misc. | Transportation |
| PCS | Landfill | \$45.00 | All applicable | NA |
| | | | | |

Additional Information: _____

Generator shall also be liable for all taxes, fees, or other charges imposed by federal, state, local or provincial laws and regulations.

Cannot Exceed Daily Volume of NA Without Prior Approval of Company.

- (B) **Incorporation by Reference.** In addition to Special Waste Profile(s), the following documents are incorporated by reference into this Agreement as if fully set forth herein.

1) TB-12485 bill of lading

2) _____

4. **Term of Agreement.** This Agreement is effective for 5 months, commencing 8/7/2017 and shall automatically be renewed for a similar term thereafter unless either party shall give written notice (via certified mail) of termination to the other party at least thirty (30) days prior written notice.

THE COMPANY AND THE GENERATOR, IN CONSIDERATION OF THE MUTUAL OBLIGATIONS CONTAINED HEREIN, AGREE THAT THIS IS A LEGALLY BINDING AGREEMENT WHICH IS SUBJECT TO THE TERMS AND CONDITIONS SET FORTH ON THIS PAGE AND ON THE REVERSE SIDE OF THIS DOCUMENT. IN ADDITION, THE GENERATOR IS CERTIFYING THE ATTACHED TERMS AND CONDITIONS HAVE BEEN REVIEWED AND INITIALLED AT THE BOTTOM OF THE PAGE.

GENERATOR

Duane M. Bartel
 SIGNATURE (AUTHORIZED REPRESENTATIVE)

Duane Bartel / General Manager / Partner
 NAME AND TITLE (PLEASE PRINT)

8/7/17
 DATE

REPUBLIC SERVICES, INC./COMPANY

Terese Dillashaw
 SIGNATURE (AUTHORIZED REPRESENTATIVE)

Terese Dillashaw
 NAME AND TITLE (PLEASE PRINT)

8/7/17
 DATE

May 2009

Terms and Conditions of Special Waste Service Agreement

5. **The Agreement** This agreement of the parties ("Agreement") for the disposal of Special Waste shall consist of this Agreement, riders to the Agreement (if any) and any Application, permit and approval that may be applicable to such Waste.
6. **Waste Accepted at Facility** Generator represents, warrants and covenants that the Waste delivered to Company at its Facility hereunder will be Acceptable Waste and will not contain any unacceptable quantity of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances, as defined by applicable federal, state, local or provincial laws or regulations. Any Waste which does not meet these requirements shall hereinafter be referred to as "Unacceptable Waste". The Generator shall in all matters relating to the collection, transportation and disposal of the Waste hereunder, comply with all applicable federal, state and local laws, regulations, rules and orders regarding the same. The word "Facility" shall mean any landfill, transfer station or other location used to transfer, process or otherwise dispose of such Waste.
7. **Special Waste** Generator represents, warrants and covenants that the Waste delivered to Company hereunder (i) will not contain any Special Waste that is not specifically described on any Application which is attached hereto or which is subsequently approved by the Company, (ii) will meet the material description as set forth in any Application and otherwise in all significant respects and (iii) will not contain Unacceptable Waste. The parties may incorporate additional Special Waste as part of this Agreement if prior to delivery of such Waste to Company, Generator has provided an Application for such Waste and Company has approved disposal of such Waste within the limitations and conditions contained in Company's written notice of approval of Special Waste Disposal. Title to any and all Waste handled or disposed of by Company shall at all times remain with Generator and Broker (if a Broker is involved).
8. **Rights of Refusal/Rejection** The Generator shall inspect all Waste at the place(s) of collection and shall remove any and all Unacceptable Waste. Company has the right to refuse, or to reject after acceptance, any load(s) of Waste(s) delivered to its Facility including if the Company believes the Generator has breached (or is breaching) its representations, warranties, covenants or agreements hereunder, or any applicable federal, state or local laws, regulations, rules or orders, even if only a portion of such Waste load is unacceptable. The Company shall have the right to inspect all vehicles and containers of Waste haulers, including the Generator's vehicles, in order to determine whether the Waste is Acceptable Waste or Unacceptable Waste pursuant to this Agreement and all applicable federal, state and local laws, rules and regulations. The Company's exercise, or failure to exercise, its rights hereunder shall not operate to relieve the Generator of its responsibilities or liability under this Agreement. The Generator shall be responsible for, and bear all reasonable expenses and damages incurred by the Company, as a result of the Unacceptable Waste and in the reloading and removal of Unacceptable Waste disposed in the Facility. The Company, may also, in its sole discretion, require the Generator to promptly remove the Unacceptable Waste.
9. **Limited License to Enter** This Agreement provides Generator with a license to enter the Facility for the limited purpose of, and only to the extent necessary for, off-loading Acceptable Waste at the Facility in the manner directed by Company. Except in an emergency, Generator's personnel shall not leave the immediate vicinity of their vehicle. After off-loading the Waste, Generator's personnel shall promptly leave the Facility. Under no circumstances shall Generator or its personnel engage in any scavenging of Waste or other materials at the Facility. The Company reserves the right to make and enforce reasonable rules and regulations concerning the operation of the Facility, the conduct of the drivers and others on the Facility premises, quantities and sources of Waste, and any other matters necessary or desirable for the safe, legal and efficient operation of the Facility including, but not limited to, speed limits on haul roads imposed by the Company, and the wearing of hard hats and other personal protection equipment by all individuals allowed on the Facility premises. Generator agrees to conform to such rules and regulations as they may be established and amended from time to time. Company may refuse to accept Waste from and shall deny an entrance license to, any of Generator's personnel whom Company believes is under the influence of alcohol or other chemical substances. Generator shall be solely responsible for its employees and subcontractors performing their obligations in a safe manner when at the facility of Company.
10. **Charges and Payment** Payment shall be made by Generator within thirty (30) days after receipt of invoice from Company. In the event that any amount is overdue, the Company may terminate this Agreement. Generator agrees to pay a finance charge equal to the maximum interest rate permitted by law. Generator shall be liable for all taxes, fees, or other charges imposed upon the disposal of the Waste by federal, state, local or provincial laws and regulations. Company, from time to time, may modify its rates upon thirty (30) days written notice to Generator.
11. **Termination** Generator's obligations, representations, warranties and covenants regarding the Waste delivered and all indemnities shall survive termination of this Agreement. Should Generator materially default in any of its obligations hereunder, then Company may immediately terminate this Agreement and Generator shall be liable for all costs and damages incurred by the Company.
12. **Driver's Knowledge and Authority** Generator represents, warrants and covenants that its drivers who deliver Waste to Company's Facility have been advised by Generator of the Company's prohibition on deliveries of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances or any other Unacceptable Waste to the Facility of Company's restrictions on deliveries of Special Waste to the Facility, of the definitions of "Hazardous Waste and Hazardous Substances" as provided by applicable federal, state and local law, rules and regulations and "Special Waste" as provided herein, and of the terms of this license to enter Company's Facility.
13. **Indemnification** Generator shall indemnify, defend and hold harmless the Company and its subsidiaries, affiliates and parent corporations, as applicable and their respective officers, directors, lenders, employees, subcontractors and agents from and against any and all claims, suits, losses, liabilities, assessments, damages, fines, costs and expenses, including reasonable attorneys fees arising under federal, state or local laws, regulations or ordinances, or relating to the content of the Waste, or arising out of or in connection with any breach of this Agreement or arising out of the negligent collection, transportation and disposal of Waste by Generator or Generator's employees, agents, subcontractors or representatives thereof. Generator shall also be responsible for increased inspection, testing, study and analysis costs made necessary due to reasonable concerns of the Company as to the content of the Waste following discovery of potentially Unacceptable Waste. This indemnification and other obligations stated in this paragraph shall survive the termination of this Agreement.
14. **Insurance** Generator shall maintain in full force and effect throughout the term of this Agreement the following types of insurance in at least the amounts specified below.

| Coverages | Minimum Amounts of Insurance |
|-----------------------|---------------------------------|
| Worker's Compensation | Statutory |
| General Liability | \$500,000 combined single limit |
| Automobile Liability | \$500,000 combined single limit |

All insurance will be by insurers authorized to do business in the state in which the Facility is located. Prior to Generator being allowed on Facility premises, Generator shall provide the Company with certificates of insurance or other satisfactory evidence that such insurance has been procured and is in force. Said policies shall not thereafter be canceled, be permitted to expire or lapse, or be changed without thirty (30) days advance written notice to the Company. Generator warrants that it will secure the above minimum amounts of insurance from any transportation of the Waste to the Facility.

15. **Failure to Perform** Neither party hereto shall be liable for its failure to perform hereunder due to circumstances not its fault and beyond its reasonable control, including, but not limited to, strikes or other labor disputes, riots, protests, civil disturbances or sabotage, changes in law, fires, floods, compliance with government requests, explosions, accidents, weather, lack of required natural resources, or acts of God affecting either party hereto. In the event of any of the circumstances provided for in the preceding sentence, including, but not limited to, whether any federal, state or local court or governmental authority takes any action which would (i) close or restrict operations at the Facility, (ii) limit the quantity or prohibit the disposal of Waste at the Facility, or (iii) limit the ability of or prohibit Generator from delivering Waste to the Facility, the Company shall have the right, at its option, to reduce, suspend or terminate Generator's access to the Facility immediately, without prior notice and without any additional liabilities between the parties, other than Generator's payment obligation hereunder. Neither Party is required hereunder to settle any labor dispute against its own best judgment.

16. **Other Termination** The occurrence of any of the following events shall also constitute an event of default by the Generator and shall give the Company the right to immediately terminate this Agreement:

- (A) A petition for reorganization or bankruptcy filed by or against the Generator.
- (B) Failure by Generator to pay any amounts due to Company.
- (C) Any breach by Generator of any of its obligations pursuant to the Agreement.

Generator shall be liable for and shall indemnify, defend and hold harmless Company from any losses, claims expenses or damages incurred by the Company as a result of termination hereunder.

17. **Assignment** Generator may not assign, transfer or otherwise vest in any other Company, entity or person, in whole or in part, any of its rights or obligations under the Agreement without the prior written consent of the Company, provided, however, that the Company may without any such prior written consent, assign its rights and/or obligations under the Agreement to a subsidiary or affiliate corporation.

18. **Right of Disposal** This Agreement does not grant any rights to dispose of Waste other than in accordance herewith. The Company reserves the right to immediately terminate access to the Facility by Generator and Generator's personnel in the event of breach or violation by Generator of any of the terms of this Agreement, the Company's operating rules or payment policies or any applicable laws or regulations.

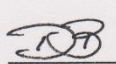
19. **Continuing Compliance** The Generator has a continuing obligation to inform the Company of any new information, or information not previously provided to the Company by Generator which may affect the acceptability of the Waste by the Company. Further, the Generator shall comply with all Company requests for evidence of Generator's continuing compliance with the terms of the Agreement including but not limited to the following: (i) providing new, updated Waste profiles on the Waste(s) offered for disposal or, (ii) providing appropriate certification that the Waste being offered for disposal is accurately reflected by the appropriate Application or, (iii) re-sample the Waste at Generator's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or, (iv) allow the Company to re-sample the Waste at Generator's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or (v) all of the above.

Miscellaneous

- (A) This Agreement shall be governed by the laws of the State in which the Facility is located.
- (B) No waiver of a breach of any of the obligations contained in the Agreement shall be construed to be a waiver of any prior or succeeding breach of the same obligation or of any other obligation of this Agreement.
- (C) No modification, release, discharge or waiver of any provision or obligation hereof shall be of any force, or effect, unless in writing signed by all parties to this Agreement.
- (D) Generator shall treat as confidential and not disclose to others during or subsequent to the terms of this Agreement, except as is necessary to perform this Agreement, or to comply with any applicable law or regulation any information (including any technical information, experience or date) regarding the Company's plans, programs, plants, processes, products, costs, equipment or operations which may come within the knowledge of the Generator or its employees in the performance of this Agreement, without in each instance securing the prior written consent of the other Company.
- (E) If any term, phrase, obligation or provision of this Agreement shall be held to be invalid, illegal or unenforceable in any respect, this Agreement shall remain in effect and be construed without regard to such term, phrase, obligation or provision.
- (F) This Agreement constitutes the entire understanding between the parties, replacing and amending any prior agreements between the parties, and shall be binding upon all parties hereto, their successors, heirs, representatives and assigns. Any provision, term or condition in any acknowledgement, purchase order or other response by Generator which is in addition to or different from the provisions of this Agreement shall be deemed objected to by the Company and shall be of no effect.
- (G) Generator represents, warrants and covenants that it is and, during the term of this Agreement will remain, in compliance with and will perform its obligations pursuant to all applicable laws and regulations and shall indemnify, defend and hold harmless the Company from any breach thereof.
- (H) It is the understanding and agreement of the parties that the Company is an independent contractor, and is not an agent, nor an authorized representative of the Generator.


21. **Notices** All notices herein provided for shall be considered as having been given upon being placed in the mail, certified postage prepaid addressed to the Company or Generator at the address herein set forth in this Agreement or to such other address as may be given to the other party in writing.

22. **Liquidated Damages** In the event that this Agreement is terminated by the Generator in a manner not in accordance with paragraph 4 hereof, or terminated due to a breach of this Agreement by the Generator, the Generator shall pay, as liquidated damages, and not as a penalty, the greater of an amount equal to six (6) months' service charges or the Generator's most recent monthly charge multiplied by six (6). The Generator shall be given credit for any advance payments made hereunder, however, in computing the amount owed as liquidated damages hereunder. The Generator acknowledges that this liquidated damages clause is reasonable and is applicable to recover damages related to its investment in equipment, development of landfills and hiring of employees undertaken by the Company to service its customers including the Generator. This liquidated damages clause in no way relieves the Generator from its obligations and liability for other cost or damages as set forth elsewhere in this Agreement.

GENERATOR: 

REPUBLIC SERVICES/COMPANY: 

May 2009



**REPUBLIC
SERVICES**

SPECIAL WASTE PROFILE

Page 1 of 2

Requested Disposal Facility: 4176 Roosevelt Regional MSWLF WA

Waste Profile #
41781712485

Salus Rep # **251-Tenison**

I. Generator Information

Generator Name: Tenor company

Generator Site Address: 327 S Kenyon

City: Seattle County: King State: Washington Zip: 98128

State ID/Reg No. _____ State Approval/Waste Code _____ NAICS # _____

Generator Mailing Address (if different): ☐ 327 S Kenyon

City: Seattle County: _____ State: Washington Zip: 98128

Generator Contact Name: Duane Barle Email: _____

Phone Number: (206) 321-5566 Ext: _____ Fax Number: _____

II. Billing Information

Bill To: Tenor Contract Name: Duane Barle

Billing Address: 327 S Kenyon Email: _____

City: Seattle State: WA Zip: 98128 Phone: _____

III. Waste Stream Information

Name of Waste: mineral spirit contaminated soil

Process Generating Waste: see two attachments

Leaking tank: _____

Type of Waste: ☐ INDUSTRIAL PROCESS WASTE ☒ POLLUTION CONTROL WASTE

Physical State: ☒ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID

Method of Shipment: ☒ BULK ☐ DRUM ☐ BAGGED ☐ OTHER

Estimated Annual Volume: 400 Tons

Frequency: ☒ ONE TIME ☐ ONGOING

Disposal Consideration: ☒ LANDFILL ☐ SOLIDIFICATION ☐ BIOREMEDIATION

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules? ☒ YES or ☐ NO

Type of Sample: ☐ COMPOSITE SAMPLE ☒ GRAB SAMPLE

Sample Date: 8-2-2017

Sample ID Numbers: IN 16

© Republic Services April 2013

Page 2 of 2

Waste Profile #

REPUBLIC SERVICES SPECIAL WASTE PROFILE

V. Physical Characteristics of Waste

| Characteristic Components | % by Weight (range) |
|-------------------------------------|--|
| 1. Solids | 100 |
| 2. Liquids | |
| 3. Gases | |
| 4. Other | |
| 5. Color | |
| 6. Odor (describe) | |
| 7. Does Waste Contain Free Liquids? | <input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO |
| 8. Solids | 100 |
| 9. pH | 7.8 |
| 10. Flash Point | 140 °F |

See report p. 2 dated July 26, 2017

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its oxides), Lindane, Malathion, Toxaphene, 2,4-D, or 2,4,5-TP S-NuX as defined in 40 CFR 261.33? ☐ Yes or ☒ No

Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) (reference 40 CFR 261.23(a)(5))? ☐ Yes or ☒ No

Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761? ☐ Yes or ☒ No

Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA P-Listed Solvents? ☐ Yes or ☒ No

Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? ☐ Yes or ☒ No

Does this waste contain regulated concentrations of 2,3,7,8-Tetrahydrodibenzo-p-dioxin (2,3,7,8-TCDD) or any other dioxin as defined in 40 CFR 261.31? ☐ Yes or ☒ No

Is this a regulated Radioactive Waste as defined by Federal and/or State regulations? ☐ Yes or ☒ No

Is this a regulated Microbial or Infectious Waste as defined by Federal and/or State regulations? ☐ Yes or ☒ No

Is this waste a reactive or heat generating waste? ☐ Yes or ☒ No

Does the waste contain sulfur or sulfur by-products? ☐ Yes or ☒ No

Is this waste generated at a Federal Superfund Clean-up Site? ☐ Yes or ☒ No

Is this waste from a TSD facility, TSD like facility or consolidation? ☐ Yes or ☒ No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate representation of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

Approved Representative Name And Title: Duane Bartel
 Title: Owner
 Date: 8/3/17

Teller Company Name: _____
 Date: _____

© Republic Services April 2013



SPECIAL WASTE PROFILE

Page 2 of 2

V. Physical Characteristics of Waste

| Characteristic Components | | % by Weight (range) | |
|---------------------------|-------------------------|--|-----------------------|
| 1. soil | | 100 | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| Color
brown | Odor (describe)
soil | Does Waste Contain Free Liquids?
<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO | % Solids
100 |
| | | pH:
7.8 | Flash Point
140 °F |

See report, pg. 2 dated July 26, 2017

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

| | |
|--|--|
| Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm)[reference 40 CFR 261.23(a)(5)]? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Is this a regulated Radioactive Waste as defined by Federal and/or State regulations? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Is this waste a reactive or heat generating waste? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Does the waste contain sulfur or sulfur by-products? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Is this waste generated at a Federal Superfund Clean Up Site? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |
| Is this waste from a TSD facility, TSD like facility or consolidator? | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No |

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

| | |
|--|-------------------------------|
|
Authorized Representative Name And Title (Type or Print) | Tenor Company
Company Name |
|
Authorized Representative Signature |
Date |



SPECIAL WASTE PROFILE

Page 1 of 2

Requested Disposal Facility: 4178 Roosevelt Regional MSW LF WA

Waste Profile #

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed.

I. Generator Information

Sales Rep #:

Generator Name: Tenor company

Generator Site Address: 327 S Kenyon

City: Sattle

County: King

State: Washington

Zip: 98128

State ID/Reg No:

State Approval/Waste Code:

(if applicable)

NAICS #:

Generator Mailing Address (if different): 327 S Kenyon

City: Sattle

County:

State: Washington

Zip: 98128

Generator Contact Name: Duane Bartel

Email:

Phone Number: (206) 321-5565

Ext:

Fax Number:

II. Billing Information

Bill To: Tenor

Contact Name: Duane Bartel

Billing Address: 327 S Kenyon

Email:

City: Seattle

State: WA

Zip: 98128

Phone:

III. Waste Stream Information

Name of Waste: mineral spirit contaminated soil

Process Generating Waste:

Leaking tank

UST

MSDS

See two attachments

Type of Waste:

☐

INDUSTRIAL PROCESS WASTE

☒

POLLUTION CONTROL WASTE

Physical State:

☒

SOLID

☐

SEMI-SOLID

☐

POWDER

☐

LIQUID

Method of Shipment:

☒

BULK

☐

DRUM

☐

BAGGED

☐

OTHER:

Estimated Annual Volume: 400

Tons

Frequency:

☒

ONE TIME

☐

ONGOING

Disposal Consideration:

☒

LANDFILL

☐

SOLIDIFICATION

☐

BIOREMEDIATION

IV. Representative Sample Certification☐

NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?

☒

YES or

☐

NO

Type of Sample: ☐ COMPOSITE SAMPLE ☒ GRAB SAMPLE

Sample Date: 6/2/2017

Sample ID Numbers: IN 16'



Mineral Spirits 66/3

Material Safety Data Sheet

CITGO Petroleum Corporation
1701 Golf Road, Suite 1-1101
Rolling Meadows, IL 60008-4295

MSDS No. 19024
Revision Date 06/07/2005

IMPORTANT: Read this MSDS before handling or disposing of this product and pass this information on to employees, customers and users of this product.

Emergency Overview

Physical State Liquid.
Color Transparent, colorless. **Odor** Characteristic hydrocarbon solvent odor.

CAUTION:
Combustible liquid and vapor.
Harmful or fatal if swallowed - Can enter lungs and cause damage.
Can cause eye, skin or respiratory tract irritation.
Harmful to aquatic organisms.

Hazard Rankings

| | HMIS | NFPA |
|---------------|------|------|
| Health Hazard | * 1 | 1 |
| Fire Hazard | 2 | 2 |
| Reactivity | 0 | 0 |

* = Chronic Health Hazard

Protective Equipment

Minimum Recommended
See Section 8 for Details



SECTION 1. PRODUCT IDENTIFICATION

| | | | |
|-----------------------|---|---|--------------------------------------|
| Trade Name | Mineral Spirits 66/3 | Technical Contact | (800) 967-7601
(8am - 4pm CT M-F) |
| Product Number | 19024 | Medical Emergency | (832) 486-4700 |
| CAS Number | 8052-41-3 | CHEMTREC Emergency
(United States Only) | (800) 424-9300 |
| Product Family | Petroleum hydrocarbon solvent | | |
| Synonyms | Petroleum hydrocarbon solvent;
CITGO® Material Code No.: 19358
Former product code(s): 2358 | | |

SECTION 2. COMPOSITION

This product may be composed, in whole or in part, of any of the following refinery streams:

Light hydrotreated distillate (petroleum) [CAS No.: 64742-47-8]
Heavy hydrotreated naphtha (petroleum) [CAS No.: 64742-48-9]
Petroleum hydrocarbon distillates [CAS No.: 8052-41-3]

This product contains the following chemicals as components of the refinery streams listed above:

| Component Name(s) | CAS Registry No. | Concentration (%) |
|---------------------|------------------|-------------------|
| Nonane, all isomers | Mixture. | 10 - 30 |

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Continued on Next Page

Page Number: 1

Mineral Spirits 66/3

SECTION 3. HAZARDS IDENTIFICATION

Also see Emergency Overview and Hazard Ratings on the top of Page 1 of this MSDS.

Major Route(s) of Entry Skin contact. Inhalation.

Signs and Symptoms of Acute Exposure

| | |
|--|--|
| Inhalation | Breathing high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression with symptoms including nausea, headache, dizziness, fatigue, drowsiness, or unconsciousness. Breathing high concentrations of this material, for example, in an enclosed space or by intentional abuse, can cause irregular heartbeats which can cause death. |
| Eye Contact | This product can cause transient mild eye irritation with short-term contact with liquid sprays or mists. Symptoms include stinging, watering, redness, and swelling. |
| Skin Contact | This product can cause mild, transient skin irritation with short-term exposure. The severity of irritation will depend on the amount of material that is applied to the skin and the speed and thoroughness that it is removed. Symptoms include redness, itching, and burning of the skin. Repeated or prolonged skin contact can produce moderate irritation (dermatitis). |
| Ingestion | If swallowed, this material may irritate the mucous membranes of the mouth, throat, and esophagus. It can be readily absorbed by the stomach and intestinal tract. Symptoms include a burning sensation of the mouth and esophagus, nausea, vomiting, dizziness, staggering gait, drowsiness, loss of consciousness, and delirium, as well as additional central nervous system (CNS) effects. Due to its light viscosity, there is a danger of aspiration into the lungs during vomiting. Aspiration can result in severe lung damage or death. |
| Chronic Health Effects Summary | Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction.

Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. |
| Conditions Aggravated by Exposure | Disorders of the following organs or organ systems that may be aggravated by significant exposure to this material or its components include: Skin, Respiratory System, Liver, Kidneys, Central Nervous System (CNS) |
| Target Organs | May cause damage to the following organs: kidneys, lungs, the nervous system, liver, mucous membranes, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea |
| Carcinogenic Potential | This product is not known to contain any components at concentrations above 0.1% which are considered carcinogenic by OSHA, IARC or NTP. |

OSHA Hazard Classification is indicated by an "X" in the box adjacent to the hazard title. If no "X" is present, the product does not exhibit the hazard as defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| OSHA Health Hazard Classification | | | | OSHA Physical Hazard Classification | | | |
|-----------------------------------|-------------------------------------|--------------|--------------------------|-------------------------------------|-------------------------------------|------------------|--------------------------|
| Irritant | <input checked="" type="checkbox"/> | Sensitizer | <input type="checkbox"/> | Combustible | <input checked="" type="checkbox"/> | Explosive | <input type="checkbox"/> |
| Toxic | <input type="checkbox"/> | Highly Toxic | <input type="checkbox"/> | Flammable | <input type="checkbox"/> | Oxidizer | <input type="checkbox"/> |
| Corrosive | <input type="checkbox"/> | Carcinogenic | <input type="checkbox"/> | Compressed Gas | <input type="checkbox"/> | Organic Peroxide | <input type="checkbox"/> |
| | | | | | | Pyrophoric | <input type="checkbox"/> |
| | | | | | | Water-reactive | <input type="checkbox"/> |
| | | | | | | Unstable | <input type="checkbox"/> |

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Continued on Next Page

Page Number: 2

Mineral Spirits 66/3**SECTION 4. FIRST AID MEASURES**

Take proper precautions to ensure your own health and safety before attempting rescue or providing first aid. For more specific information, refer to Exposure Controls and Personal Protection in Section 8 of this MSDS.

| | |
|---------------------------|--|
| Inhalation | Immediately move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). If breathing is difficult, 100 percent humidified oxygen should be administered by a qualified individual. Seek medical attention immediately. |
| Eye Contact | Flush eyes with cool, clean, low-pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. If easily accomplished, check for and remove contact lenses. If contact lenses cannot be removed, seek immediate medical attention. Do not use eye ointment. Seek medical attention. |
| Skin Contact | Remove contaminated shoes and clothing. Flush affected area with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. Do not use ointments. If skin surface is not damaged, clean affected area thoroughly with mild soap and water. Seek medical attention if tissue appears damaged or if pain or irritation persists. |
| Ingestion | Do not induce vomiting. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Never give anything by mouth to a person who is not fully conscious. Do not leave victim unattended. Seek medical attention immediately. |
| Notes to Physician | INHALATION: Inhalation overexposure can produce toxic effects. Monitor for respiratory distress. If cough or difficulty in breathing develops, evaluate for upper respiratory tract inflammation, bronchitis, and pneumonitis. Administer supplemental oxygen with assisted ventilation, as required. |

This material (or a component) sensitizes the heart to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in individuals exposed to this material. Administration of sympathomimetic drugs should be avoided.

INGESTION: If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.

SECTION 5. FIRE FIGHTING MEASURES

| | | | |
|---|--|------------------------------|--------|
| NFPA Flammability Classification | NFPA Class-II combustible liquid. | | |
| Flash Point | Closed cup: 42°C (108°F). (Tagliabue.) | | |
| Lower Flammable Limit | AP 0.6 % | Upper Flammable Limit | AP 6 % |
| Autoignition Temperature | AP 230°C (AP 446°F) | | |
| Hazardous Combustion Products | Carbon dioxide, carbon monoxide, smoke, fumes, and/or unburned hydrocarbons. | | |
| Special Properties | Combustible Liquid! This material releases vapors when heated above ambient temperatures. Vapors can cause a flash fire. Vapors can travel to a source of ignition and flashback. A vapor and air mixture can create an explosion hazard in confined spaces such as sewers. Use only with adequate ventilation. If container is not properly cooled, it can rupture in the heat of a fire. | | |

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| | |
|------------------------------------|---|
| Extinguishing Media | <p>SMALL FIRE: Use dry chemicals, carbon dioxide, foam, or inert gas (nitrogen). Carbon dioxide and inert gas can displace oxygen. Use caution when applying carbon dioxide or inert gas in confined spaces.</p> <p>LARGE FIRE: Use foam, water fog, or water spray. Water fog and spray are effective in cooling containers and adjacent structures. However, water can cause frothing and/or may not extinguish the fire. Water can be used to cool the external walls of vessels to prevent excessive pressure, autoignition or explosion. DO NOT use a solid stream of water directly on the fire as the water may spread the fire to a larger area.</p> |
| Protection of Fire Fighters | <p>Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. Evacuate area and fight the fire from a maximum distance or use unmanned hose holders or monitor nozzles. Cover pooling liquid with foam. Containers can build pressure if exposed to radiant heat; cool adjacent containers with flooding quantities of water until well after the fire is out. Withdraw immediately from the area if there is a rising sound from a venting safety device or discoloration of vessels, tanks, or pipelines. Be aware that burning liquid will float on water. Notify appropriate authorities of potential fire and explosion hazard if liquid enter sewers or waterways.</p> |

SECTION 6. ACCIDENTAL RELEASE MEASURES

Take proper precautions to ensure your own health and safety before attempting spill control or clean-up. For more specific information, refer to the Emergency Overview on Page 1, Exposure Controls and Personal Protection in Section 8 and Disposal Considerations in Section 13 of this MSDS.

Combustible Liquid! Release causes an immediate fire or explosion hazard. Evacuate all non-essential personnel from immediate area and establish a "regulated zone" with site control and security. A vapor-suppressing foam may be used to reduce vapors. Eliminate all ignition sources. All equipment used when handling this material must be grounded. Stop the leak if it can be done without risk. Do not touch or walk through spilled material. Remove spillage immediately from hard, smooth walking areas. Prevent its entry into waterways, sewers, basements, or confined areas. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to appropriate waste containers. Use clean, non-sparking tools to collect absorbed material.

For large spills, secure the area and control access. Dike far ahead of a liquid spill to ensure complete collection. Water mist or spray may be used to reduce or disperse vapors; but, it may not prevent ignition in closed spaces. This material will float on water and its run-off may create an explosion or fire hazard. Verify that responders are properly HAZWOPER-trained and wearing appropriate respiratory equipment and fire-resistant protective clothing during cleanup operations. In an urban area, cleanup spill as soon as possible; in natural environments, cleanup on advice from specialists. Pick up free liquid for recycle and/or disposal if it can be accomplished safely with explosion-proof equipment. Collect any excess material with absorbent pads, sand, or other inert non-combustible absorbent materials. Place into appropriate waste containers for later disposal. Comply with all laws and regulations.

SECTION 7. HANDLING AND STORAGE

Handling

A spill or leak can cause an immediate fire or explosion hazard. Keep containers closed and do not handle or store near heat, sparks, or any other potential ignition sources. Do not contact with oxidizable materials. Do not breathe vapor. Use only with adequate ventilation and personal protection. Never siphon by mouth. Avoid contact with eyes, skin, and clothing. Prevent contact with food and tobacco products. Do not take internally.

When performing repairs and maintenance on contaminated equipment, keep unnecessary persons away from the area. Eliminate all potential ignition sources. Drain and purge equipment, as necessary, to remove material residues. Follow proper entry procedures,

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including compliance with 29 CFR 1910.146 prior to entering confined spaces such as tanks or pits. Use gloves constructed of impervious materials and protective clothing if direct contact is anticipated. Provide ventilation to maintain exposure potential below applicable exposure limits. Use appropriate respiratory protection when concentrations exceed any established occupational exposure level (See Section 8). Promptly remove contaminated clothing. Wash exposed skin thoroughly with soap and water after handling.

A static electrical charge can accumulate when this material is flowing through pipes, nozzles or filters and when it is agitated. A static spark discharge can ignite accumulated vapors particularly during dry weather conditions. Always bond receiving containers to the fill pipe before and during loading. Always keep nozzle in contact with the container throughout the loading process. Do not fill any portable container in or on a vehicle. Do NOT use compressed air for filling, discharging or other handling operations.

Product container is not designed for elevated pressure. Do not pressurize, cut, weld, braze solder, drill, or grind on containers. Do not expose product containers to flames, sparks, heat or other potential ignition sources. Empty containers may contain product residues that can ignite with explosive force. Observe label precautions. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

Storage

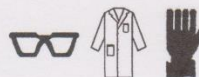
Keep container closed. Store in a cool, dry, well-ventilated area. Do not store with oxidizing agents. Do not store at elevated temperatures or in direct sunlight for extended periods of time. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers or waste residues of this product.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**Engineering Controls**

Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. All electrical equipment should comply with the National Electric Code. An emergency eye wash station and safety shower should be located near the work-station.

Personal Protective Equipment

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. The following pictograms represent the minimum requirements for personal protective equipment. For certain operations, additional PPE may be required.

**Eye Protection**

Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Chemical goggles should be worn during transfer operations or when there is a likelihood of misting, splashing, or spraying of this material. A suitable emergency eye wash water and safety shower should be located near the work station.

Hand Protection

Avoid skin contact. Use heavy duty gloves constructed of chemical resistant materials such as Viton® or heavy nitrile rubber. Wash hands with plenty of mild soap and water before eating, drinking, smoking, use of toilet facilities or leaving work. DO NOT use gasoline, kerosene, solvents or harsh abrasives as skin cleaners.

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| | |
|-------------------------------|---|
| Body Protection | Avoid skin contact. Wear long-sleeved fire-retardant garments (e.g., Nomex®) while working with flammable and combustible liquids. Additional chemical-resistant protective gear may be required if splashing or spraying conditions exist. This may include an apron, boots and additional facial protection. If product comes in contact with clothing, immediately remove soaked clothing and shower. Promptly remove and discarded contaminated leather goods. |
| Respiratory Protection | For known vapor concentrations above the occupational exposure guidelines (see below), use a NIOSH-approved organic vapor respirator if adequate protection is provided. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134). For airborne vapor concentrations that exceed the recommended protection factors for organic vapor respirators, use a full-face, positive-pressure, supplied air respirator. Due to fire and explosion hazards, do not enter atmospheres containing concentrations greater than 10% of the lower flammable limit of this product. |
| General Comments | Warning! Use of this material in spaces without adequate ventilation may result in generation of hazardous levels of combustion products and/or inadequate oxygen levels for breathing. Odor is an inadequate warning for hazardous conditions. |

Occupational Exposure Guidelines**Substance**

Petroleum Hydrocarbon Distillates

Applicable Workplace Exposure Levels**ACGIH TLV (United States).**

TWA: 100 ppm 8 hour(s).

OSHA PEL Z2 (United States).

TWA: 500 ppm 8 hour(s).

Nonane, all isomers

ACGIH (United States).

TWA: 200 ppm 8 hour(s).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

| | | | | | |
|------------------------------|--|--------------|-------------------------|-------------------------------|--|
| Physical State | Liquid. | Color | Transparent, colorless. | Odor | Characteristic hydrocarbon solvent odor. |
| Specific Gravity | 0.78 (Water = 1) | pH | Not applicable | Vapor Density | 5 (Air = 1) |
| Boiling Range | 159 to 199°C (318 to 390°F) | | | Melting/Freezing Point | Not available. |
| Vapor Pressure | <0.1 kPa (<1 mm Hg) (at 20°C) | | | Volatility | 780 g/l VOC (w/v) |
| Solubility in Water | Very slightly soluble in cold water. (<0.1 % w/w) | | | Viscosity (cSt @ 40°C) | not available |
| Flash Point | Closed cup: 42°C (108°F). (Tagliabue.) | | | | |
| Additional Properties | Paraffin, Isoparaffin and Cycloparaffin Hydrocarbons Content = >99 Wt.% (ASTM D-1319);
Aromatic Hydrocarbon Content = <1 Wt. % (ASTM D-1319);
Average Density at 60°F = 6.48 lbs./gal. (Calculated via ASTM D-287);
Aniline Cloud Point Temperature = 155°F (68°C) (ASTM D-611);
Kauri-Butanol (KB) Value = 33 (ASTM D-1133)
Dry Point Temperature = 390°F (199°C) (ASTM D-86, D-850 or D-1078);
Evaporation Rate = 0.2 (n-Butyl acetate = 1.0);
Heat Value = 19,784 Btu. per pound | | | | |

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Page Number: 6

Mineral Spirits 66/3**SECTION 10. STABILITY AND REACTIVITY**

| | | | |
|---|---|---------------------------------|------------------------|
| Chemical Stability | Stable. | Hazardous Polymerization | Not expected to occur. |
| Conditions to Avoid | Keep away from heat, flame and other potential ignition sources. Keep away from strong oxidizing conditions and agents. | | |
| Materials Incompatibility | Strong acids, alkalies, and oxidizers such as liquid chlorine and oxygen. | | |
| Hazardous Decomposition Products | No additional hazardous decomposition products were identified other than the combustion products identified in Section 5 of this MSDS. | | |

SECTION 11. TOXICOLOGICAL INFORMATION

For other health-related information, refer to the Emergency Overview on Page 1 and the Hazards Identification in Section 3 of this MSDS.

Toxicity Data**Light hydrotreated distillate (petroleum):**

Studies on laboratory animals have shown similar materials to cause eye and respiratory tract irritation. Studies of similar materials on laboratory animals have resulted in skin irritation after repeated or prolonged contact. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and rash (dermatitis).

Petroleum hydrocarbon distillates:

Dermal, Acute LD₅₀ (rabbit): >3000 mg/kg

Inhalation, Acute LC₅₀ (rat): >5.5 mg/l (8 hours)

Studies on laboratory animals have associated similar materials with eye and respiratory tract irritation. Studies on laboratory animals have shown similar materials to cause skin irritation after repeated or prolonged contact. Repeated direct application of Stoddard Solvent to the skin can produce defatting dermatitis and kidney damage in laboratory animals. Rats developed kidney damage and elevated blood urea nitrogen levels when exposed to a concentration of 1.9 mg/L for 65 days. The kidney damage occurred only in male rats and appeared to involve both the tubules and glomeruli. The significance of these animal study results to human health is unclear.

SECTION 12. ECOLOGICAL INFORMATION

| | |
|---------------------------|--|
| Ecotoxicity | This mixture contains components that are potentially toxic to freshwater and saltwater ecosystems. |
| Environmental Fate | This product will normally float on water. Components will evaporate rapidly. This material may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. The log Kow value for this product is expected to be in the range of 3.3 to 6. |

Mineral Spirits 66/3


SECTION 13. DISPOSAL CONSIDERATIONS

Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

Maximize material recovery for reuse or recycling. Recovered non-usable material may be regulated by US EPA as a hazardous waste due to its ignitibility (D001) characteristics. Conditions of use may cause this material to become a "hazardous waste", as defined by federal or state regulations. It is the responsibility of the user to determine if the material is a RCRA "hazardous waste" at the time of disposal. Transportation, treatment, storage and disposal of waste material must be conducted in accordance with RCRA regulations (see 40 CFR 260 through 40 CFR 271). State and/or local regulations may be more restrictive. Contact your regional US EPA office for guidance concerning case specific disposal issues.

SECTION 14. TRANSPORT INFORMATION

The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.

| | | | |
|-----------------------------|---|--|---------|
| US DOT Status | A U.S. Department of Transportation (DOT) regulated material. | | |
| Proper Shipping Name | Petroleum Distillates, n.o.s. (Naphtha Solvent), 3, UN1268 PG III | | |
| Hazard Class | 3 | Packing Group(s) | III |
| | | UN/NA Number | UN 1268 |
| Reportable Quantity | A Reportable Quantity (RQ) has not been established for this material. | | |
| Placard(s) |  | | |
| | Emergency Response Guide No. | 128 | |
| | MARPOL III Status | Not a DOT "Marine Pollutant" per 49 CFR 171.8. | |

SECTION 15. REGULATORY INFORMATION

| | |
|---|--|
| TSCA Inventory | This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory. |
| SARA 302/304 Emergency Planning and Notification | The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No components were identified. |
| SARA 311/312 Hazard Identification | The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories:
fire, Acute (Immediate) Health Hazard, Chronic (Delayed) Health Hazard |

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Page Number: 8

Mineral Spirits 66/3**SARA 313 Toxic
Chemical Notification
and Release Reporting**

This product contains the following components in concentrations above de minimis levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA: No components were identified.

CERCLA

The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. This product or refinery stream is not known to contain chemical substances subject to this statute. However, it is recommended that you contact state and local authorities to determine if there are any other reporting requirements in the event of a spill.

**Clean Water Act
(CWA)**

This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

**California
Proposition 65**

This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

**New Jersey
Right-to-Know Label**

For New Jersey R-T-K labeling requirements, refer to components listed in Section 2.

**Additional Regulatory
Remarks**

Federal Hazardous Substances Act, related statutes, and Consumer Product Safety Commission regulations, as defined by 16 CFR 1500.14(b)(3) and 1500.83(a)(13): This product contains "Petroleum Distillates" which may require special labeling if distributed in a manner intended or packaged in a form suitable for use in the household or by children. Precautionary label dialogue should display the following: **DANGER: Contains Petroleum Distillates! Harmful or fatal if swallowed! Call Physician Immediately. KEEP OUT OF REACH OF CHILDREN!**

SECTION 16. OTHER INFORMATION

Refer to the top of Page 1 for the HMIS and NFPA Hazard Ratings for this product.

REVISION INFORMATION

Version Number 4.1
Revision Date 06/07/2005
Print Date Printed on 06/07/2005.

ABBREVIATIONS

| | | | | | | |
|--|-----------|-----------------|--------------|---|-------------|---------------------|
| AP: Approximately | EQ: Equal | >: Greater Than | <: Less Than | NA: Not Applicable | ND: No Data | NE: Not Established |
| ACGIH: American Conference of Governmental Industrial Hygienists | | | | AIHA: American Industrial Hygiene Association | | |
| IARC: International Agency for Research on Cancer | | | | NTP: National Toxicology Program | | |
| NIOSH: National Institute of Occupational Safety and Health | | | | OSHA: Occupational Safety and Health Administration | | |
| NPCA: National Paint and Coating Manufacturers Association | | | | HMIS: Hazardous Materials Information System | | |
| NFPA: National Fire Protection Association | | | | EPA: US Environmental Protection Agency | | |

DISCLAIMER OF LIABILITY

| | | | | | |
|----------|-------|---------------|------------|------------------------|----------------|
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|----------|-------|---------------|------------|------------------------|----------------|

Mineral Spirits 66/3

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***** END OF MSDS *****

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

July 26, 2017

Duane Bartel, Project Manager
Tenor Company
1313 Washington St.
Sumner, WA 98390

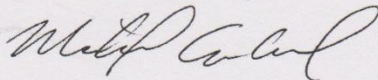
Dear Mr Bartel:

Included are the results from the testing of material submitted on June 2, 2017 from the Farwest UST, F&BI 706044 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. 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
c: dhopper@republicservices.com
NAA0726R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTSCASE NARRATIVE

This case narrative encompasses samples received on June 2, 2017 by Friedman & Bruya, Inc. from the Tenor Company Farwest UST, F&BI 706044 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Tenor Company</u> |
|----------------------|----------------------|
| 706044 -01 | OUT 15' (2 jars) |
| 706044 -02 | IN 12' |
| 706044 -03 | IN 16' |

Sample IN 16' was sent to Fremont Analytical for flashpoint analysis. Review of the enclosed report indicates that all quality assurance were acceptable.

Several analytes in the 6020A matrix spike did not meet the acceptance criteria. The laboratory control sample met the acceptance criteria, therefore the results were likely due to matrix effect.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/26/17
Date Received: 06/02/17
Project: Farwest UST, F&BI 706044
Date Extracted: 07/18/17
Date Analyzed: 07/18/17

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR pH
USING EPA METHOD 9045D**

Sample ID
Laboratory ID

pH

IN 16'
706044-03

7.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020A

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | IN 16' | Client: | Tenor Company |
| Date Received: | 06/02/17 | Project: | Farwest UST, F&BI 706044 |
| Date Extracted: | 06/06/17 | Lab ID: | 706044-03 |
| Date Analyzed: | 06/06/17 | Data File: | 706044-03.126 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
| Arsenic | 1.85 |
| Barium | 18.3 |
| Cadmium | <1 |
| Chromium | 10.9 |
| Lead | 1.80 |
| Mercury | <1 |
| Selenium | <1 |
| Silver | <1 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020A

| | | | |
|-----------------|------------------------|-------------|--------------------------|
| Client ID: | Method Blank | Client: | Tenor Company |
| Date Received: | Not Applicable | Project: | Farwest UST, F&BI 706044 |
| Date Extracted: | 06/06/17 | Lab ID: | I7-309 mb |
| Date Analyzed: | 06/07/17 | Data File: | I7-309 mb.033 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| | | | |
|--------------------|-------------|--------------|--------------|
| Internal Standard: | % Recovery: | Lower Limit: | Upper Limit: |
|--------------------|-------------|--------------|--------------|

| Analyte: | Concentration
mg/kg (ppm) |
|----------|------------------------------|
| Arsenic | <1 |
| Barium | <1 |
| Cadmium | <1 |
| Chromium | <1 |
| Lead | <1 |
| Mercury | <1 |
| Selenium | <1 |
| Silver | <1 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/26/17

Date Received: 06/02/17

Project: Farwest UST, F&BI 706044

**QUALITY ASSURANCE RESULTS
FROM THE ANALYSIS OF SOIL
SAMPLES FOR pH BY METHOD 9045D**

Laboratory Code: 707222-03 (Duplicate)

| Analyte | Sample
Result | Duplicate
Result | Relative Percent
Difference | Acceptance
Criteria |
|---------|------------------|---------------------|--------------------------------|------------------------|
| pH | 8.4 | 8.5 | 1 | 0-20 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/26/17

Date Received: 06/02/17

Project: Farwest UST, F&BI 706044

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

Laboratory Code: 706086-01 (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 | 2.04 | 78 | 92 | 75-125 | 16 |
| Barium | mg/kg (ppm) | 50 | 34.6 | 83 | 98 | 75-125 | 17 |
| Cadmium | mg/kg (ppm) | 10 | <1 | 80 | 88 | 75-125 | 10 |
| Chromium | mg/kg (ppm) | 50 | 15.9 | 80 | 92 | 75-125 | 14 |
| Lead | mg/kg (ppm) | 50 | 3.23 | 80 | 86 | 75-125 | 7 |
| Mercury | mg/kg (ppm) | 5 | <1 | 74 vo | 85 | 75-125 | 14 |
| Selenium | mg/kg (ppm) | 5 | <1 | 73 vo | 84 | 75-125 | 14 |
| Silver | mg/kg (ppm) | 10 | <1 | 74 vo | 82 | 75-125 | 10 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting
Units | Spike
Level | Percent
Recovery
LCS | Acceptance
Criteria |
|----------|--------------------|----------------|----------------------------|------------------------|
| Arsenic | mg/kg (ppm) | 10 | 86 | 80-120 |
| Barium | mg/kg (ppm) | 50 | 94 | 80-120 |
| Cadmium | mg/kg (ppm) | 10 | 93 | 80-120 |
| Chromium | mg/kg (ppm) | 50 | 96 | 80-120 |
| Lead | mg/kg (ppm) | 50 | 98 | 80-120 |
| Mercury | mg/kg (ppm) | 5 | 95 | 80-120 |
| Selenium | mg/kg (ppm) | 5 | 93 | 80-120 |
| Silver | mg/kg (ppm) | 10 | 92 | 80-120 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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 compound 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. Compounds in the sample matrix interfered with the quantitation of the analyte.

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.



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Friedman & Bruya
Michael Erdahl
3012 16th Ave. W.
Seattle, WA 98119

RE: 706044
Work Order Number: 1707157

July 25, 2017

Attention Michael Erdahl:

Fremont Analytical, Inc. received 1 sample(s) on 7/18/2017 for the analyses presented in the following report.

Flashpoint by EPA 1010/ASTM D93

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike C. Ridgeway".

Mike Ridgeway
Laboratory Director

DoD/ELAP Certification #L17-135, ISO/IEC 17025:2005
ORELAP Certification: WA 100009-007 (NELAP Recognized)

Original

www.fremontanalytical.com

Page 1 of 8



Date: 07/25/2017

CLIENT: Friedman & Bruya
Project: 706044
Work Order: 1707157

Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Date/Time Collected | Date/Time Received |
|---------------|------------------|---------------------|---------------------|
| 1707157-001 | IN 16' | 06/02/2017 10:30 AM | 07/18/2017 12:15 PM |

Original

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Page 2 of 8

**Case Narrative**

WO#: 1707157

Date: 7/25/2017

CLIENT: Friedman & Bruya
Project: 706044

WorkOrder Narrative:

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Original

Page 3 of 8



Qualifiers & Acronyms

WO#: 1707157
Date Reported: 7/25/2017

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate

Original

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Page 4 of 8

**Fremont**
*Analytical***Analytical Report**Work Order: 1707157
Date Reported: 7/25/2017

Client: Friedman & Bruya

Collection Date: 6/2/2017 10:30:00 AM

Project: 706044

Lab ID: 1707157-001

Matrix: Soil

Client Sample ID: IN 16'

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

Flashpoint by EPA 1010/ASTM D93

Batch ID: R37513 Analyst: AB

| | | | | | | |
|------------|-----|--|---|----|---|----------------------|
| Flashpoint | 140 | | H | °F | 1 | 7/20/2017 5:09:05 PM |
|------------|-----|--|---|----|---|----------------------|

Original

Page 5 of 8

Date: 7/25/2017



Work Order: 1707157
CLIENT: Friedman & Bruya
Project: 706044

QC SUMMARY REPORT
Flashpoint by EPA 1010/ASTM D93

| | | | | |
|-----------------------|------------------|-----------|--------------------------|---------------|
| Sample ID: LCS-R37513 | SampType: LCS | Units: °F | Prep Date: 7/20/2017 | RunNo: 37513 |
| Client ID: LCSW | Batch ID: R37513 | %REC | Analysis Date: 7/20/2017 | SeqNo: 721021 |
| Analyte | Result | SPK value | LowLimit | HighLimit |
| Flashpoint | 151 | 152.0 | 65 | 135 |
| | | 0 | 99.2 | |
| | | | RPD Ref Val | RPD Limit |
| | | | | Qual |



Sample Log-In Check List

Client Name: FB

Work Order Number: 1707157

Logged by: Clare Griggs

Date Received: 7/18/2017 12:15:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☒ No ☐
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes ☐ No ☐ Not Required ☒
6. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
7. Were all items received at a temperature of $>0^{\circ}\text{C}$ to 10.0°C * Yes ☐ No ☒ NA ☐
- Please refer to item information.**
8. Sample(s) in proper container(s)? Yes ☒ No ☐
9. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
10. Are samples properly preserved? Yes ☒ No ☐
11. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
12. Is there headspace in the VOA vials? Yes ☐ No ☐ NA ☒
13. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
14. Does paperwork match bottle labels? Yes ☒ No ☐
15. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
16. Is it clear what analyses were requested? Yes ☒ No ☐
17. Were all holding times able to be met? Yes ☐ No ☒

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

| Item # | Temp °C |
|--------|---------|
| Cooler | 10.6 |
| Sample | 10.1 |

* Note: DoD/ELAP and TNI require items to be received at $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$

Original

Page 7 of 8

TB-12485
 Certification No. TB-12485
 Billing Acct. No. 333459
 Product Code V6

BILL OF LADING
Contaminated Soil
REGIONAL DISPOSAL COMPANY

54 S. Dawson Street
 Seattle, WA 98134
 Telephone (206) 332-7700 / Fax (206) 332-7600

This Bill of Lading augments the Master Service Agreement ("Agreement") entered into by Tenac Co (Generator/Agent) and Regional Disposal Company ("RDC") on 8/7/17 (date). The terms herein are made a part of the Agreement. In the event of conflict between this Bill of Lading and the Agreement, the terms of the Agreement prevail.

RDC hereby authorizes the Wastes ("Waste") described in Certification No. TB-12485 signed by Generator/Agent on 8/7/17 (date), for disposal at Roosevelt Regional Landfill. Contractor shall present a copy of this Bill of Lading with each shipment delivered.

Location of Waste: 327 S Kenyon Seattle

Method of Shipment: _____

Additional Fees (e.g., laboratory fees, transportation fees, special handling fees, etc. If none, so state): _____

PERFORMANCE DATE

FOR RDC TRANSPORTATION: Generator shall make the Waste available for shipment no later than _____ (date). RDC shall transport the Waste no later than _____ (date), unless RDC notifies the Generator in writing that Waste transport shall be suspended or canceled due to RDC's exercise of its right to inspect or analyze the Waste (as provided in the Agreement).

FOR GENERATOR TRANSPORTATION: Agent shall begin delivery of the Waste at [check one]:

☐ Roosevelt Regional Landfill.

☒ Seattle Transfer Station located at Third and Lander.

Waste delivery shall begin no later than 8/7/17 (date), and shall complete delivery of the Waste no later than 12/31/17 (date), unless RDC notifies Generator/Agent in writing to suspend or cancel the waste delivery due to RDC's exercise of its right to inspect or analyze the Waste (As provided in the Agreement).

GENERATOR / AGENT

REGIONAL DISPOSAL COMPANY

Duane Bartel
 Signature

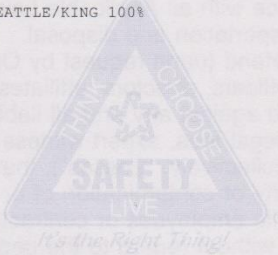
Teresa Dillashaw
 Signature

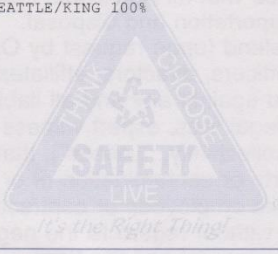
Duane Bartel / General Manager / Partner
 Printed Name and Title

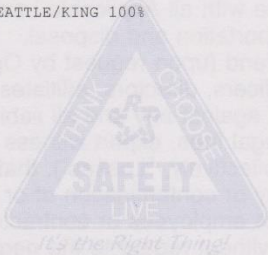
Teresa Dillashaw
 Printed Name and Title

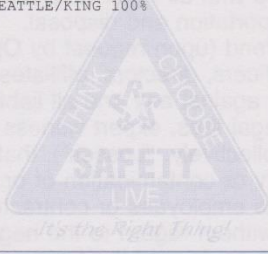
8/7/17
 Date


8/7/17
 Date

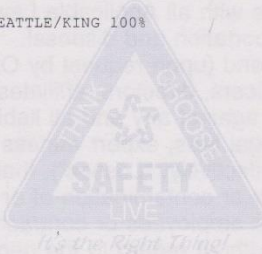
| | | | | | | |
|--|------|---|-----------------|-----------|-----|------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | SITE 01 TICKET # 954119 CELL
WEIGHMASTER IN - Karyn B. OUT - Michelle H.
DATE/TIME IN 8/23/17 12:50 pm DATE/TIME OUT 8/23/17 1:02 pm
VEHICLE SOIL CONTAINER
REFERENCE 4 MCKEE
BILL OF LADING | | | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | | |
| SCALE IN GROSS WEIGHT 46,840 NET TONS 10.20
SCALE OUT TARE WEIGHT 26,440 NET WEIGHT 20,400 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 10.20 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

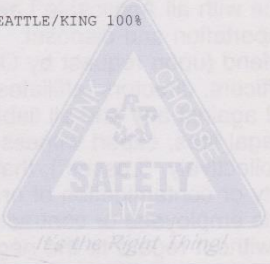
| | | | | | | |
|--|------|---|-----------------|-----------|-----|------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | SITE 01 TICKET # 954119 CELL
WEIGHMASTER IN - Karyn B. OUT - Michelle H.
DATE/TIME IN 8/23/17 12:50 pm DATE/TIME OUT 8/23/17 1:02 pm
VEHICLE SOIL CONTAINER
REFERENCE 4 MCKEE
BILL OF LADING | | | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | | |
| SCALE IN GROSS WEIGHT 46,840 NET TONS 10.20
SCALE OUT TARE WEIGHT 26,440 NET WEIGHT 20,400 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 10.20 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

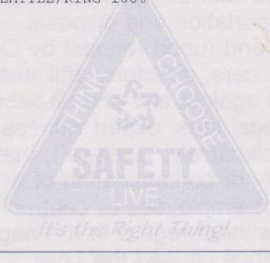
| | | | | | | | |
|--|-------------|---------------------------------------|-----------------|--|------------|---|--|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 954142 CELL
WEIGHMASTER Patrice G.
DATE/TIME IN 8/23/17 2:29 pm DATE/TIME OUT 8/23/17 4:09 pm
VEHICLE 4 MCKEE CONTAINER
REFERENCE
BILL OF LADING | | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | | | |
| SCALE IN GROSS WEIGHT 48,680 NET TONS 11.20
SCALE OUT TARE WEIGHT 26,280 NET WEIGHT 22,400 | | | | INBOUND
INVOICE | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL | |
| 0.00 | YD | Tracking QTY | | | | | |
| 11.20 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | | |
|  | | | | | | | |
| | | | | | | NET AMOUNT
TENDERED
CHANGE
CHECK# | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | | |

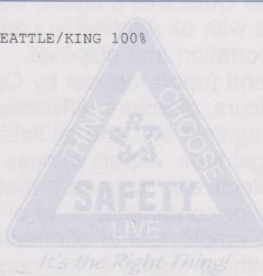
| | | | | | | | |
|--|-------------|---------------------------------------|-----------------|--|------------|---|--|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | | | SITE 01 TICKET # 954142 CELL
WEIGHMASTER Patrice G.
DATE/TIME IN 8/23/17 2:29 pm DATE/TIME OUT 8/23/17 4:09 pm
VEHICLE 4 MCKEE CONTAINER
REFERENCE
BILL OF LADING | | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | | | |
| SCALE IN GROSS WEIGHT 48,680 NET TONS 11.20
SCALE OUT TARE WEIGHT 26,280 NET WEIGHT 22,400 | | | | INBOUND
INVOICE | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL | |
| 0.00 | YD | Tracking QTY | | | | | |
| 11.20 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | | |
|  | | | | | | | |
| | | | | | | NET AMOUNT
TENDERED
CHANGE
CHECK# | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | | |

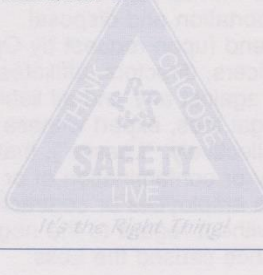
| | | | | | | |
|--|------|---------------------------------------|-----------------|---|-----|------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 954134 CELL
WEIGHMASTER Patrice G.
DATE/TIME IN 8/23/17 1:50 pm DATE/TIME OUT 8/23/17 3:36 pm
VEHICLE H-55 MCKEE CONTAINER
REFERENCE
BILL OF LADING | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | | |
| SCALE IN GROSS WEIGHT 47,200 NET TONS 11.11
SCALE OUT TARE WEIGHT 24,980 NET WEIGHT 22,220 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 11.11 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
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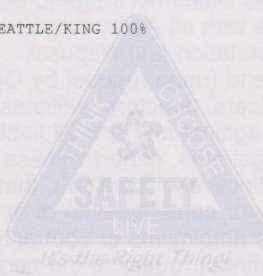
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DATE/TIME IN 8/23/17 1:50 pm DATE/TIME OUT 8/23/17 3:36 pm
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| 0.00 | YD | Tracking QTY | | | | |
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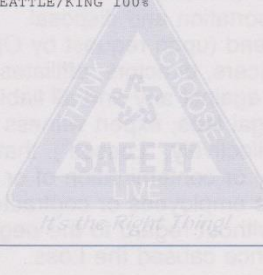
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|--|------|--------------|-----------------|--|-----|------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 954102 CELL
WEIGHMASTER IN - Patrice G. OUT - Karyn B. | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | DATE/TIME IN 8/23/17 9:00 am DATE/TIME OUT 8/23/17 9:52 am
VEHICLE 4 MCKEE CONTAINER
REFERENCE
BILL OF LADING | | |
| SCALE IN GROSS WEIGHT 49,520 NET TONS 11.58
SCALE OUT TARE WEIGHT 26,360 NET WEIGHT 23,160 | | | | INBOUND INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 11.58 | tn | SW-CONT SOIL | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
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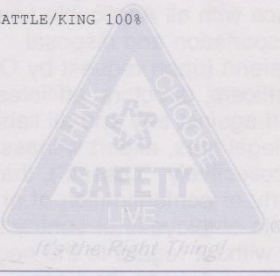
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| SITE REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | | | SITE 01 TICKET # 954102 CELL
WEIGHMASTER IN - Patrice G. OUT - Karyn B. | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | DATE/TIME IN 8/23/17 9:00 am DATE/TIME OUT 8/23/17 9:52 am
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REFERENCE
BILL OF LADING | | |
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SCALE OUT TARE WEIGHT 26,360 NET WEIGHT 23,160 | | | | INBOUND INVOICE | | |
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| 0.00 | YD | Tracking QTY | | | | |
| 11.58 | tn | SW-CONT SOIL | | | | |
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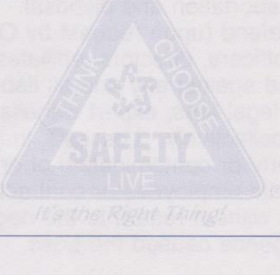
| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|---|-----------------|------------------|------------------------|-------------------|--------------------|--|--|------------------------------|--|--|-------------------------------------|--|--------------------------------------|---------------------------|--|------------------|------------------|--|--|-----------------------|--|--|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">SITE</td> <td style="width:40%;">TICKET # 954101</td> <td style="width:50%;">CELL</td> </tr> <tr> <td colspan="3">WEIGHMASTER</td> </tr> <tr> <td colspan="3">IN - JAMIE B. OUT - Karyn B.</td> </tr> <tr> <td colspan="2">DATE/TIME IN 8/23/17 8:50 am</td> <td>DATE/TIME OUT 8/23/17 9:50 am</td> </tr> <tr> <td colspan="2">VEHICLE H-55 MCKEE</td> <td>CONTAINER</td> </tr> <tr> <td colspan="3">REFERENCE</td> </tr> <tr> <td colspan="3">BILL OF LADING</td> </tr> </table> | | SITE | TICKET # 954101 | CELL | WEIGHMASTER | | | IN - JAMIE B. OUT - Karyn B. | | | DATE/TIME IN 8/23/17 8:50 am | | DATE/TIME OUT 8/23/17 9:50 am | VEHICLE H-55 MCKEE | | CONTAINER | REFERENCE | | | BILL OF LADING | | |
| SITE | TICKET # 954101 | CELL | | | | | | | | | | | | | | | | | | | | | | |
| WEIGHMASTER | | | | | | | | | | | | | | | | | | | | | | | | |
| IN - JAMIE B. OUT - Karyn B. | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE/TIME IN 8/23/17 8:50 am | | DATE/TIME OUT 8/23/17 9:50 am | | | | | | | | | | | | | | | | | | | | | | |
| VEHICLE H-55 MCKEE | | CONTAINER | | | | | | | | | | | | | | | | | | | | | | |
| REFERENCE | | | | | | | | | | | | | | | | | | | | | | | | |
| BILL OF LADING | | | | | | | | | | | | | | | | | | | | | | | | |
| CUSTOMER
333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | | | | | | | | | | | | | | | | | | | | |
| SCALE IN GROSS WEIGHT 52,880 NET TONS 13.92
SCALE OUT TARE WEIGHT 25,040 NET WEIGHT 27,840 | | INBOUND
INVOICE | | | | | | | | | | | | | | | | | | | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL | | | | | | | | | | | | | | | | | | |
| 0.00 | YD | Tracking QTY | | | | | | | | | | | | | | | | | | | | | | |
| 13.92 | tn | SW-CONT SOIL
Origin:SEATTLE/KING 100% | | | | | | | | | | | | | | | | | | | | | | |
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| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | | | | | | | | | | | | | | | | | | | |

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| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">SITE</td> <td style="width:40%;">TICKET # 954101</td> <td style="width:50%;">CELL</td> </tr> <tr> <td colspan="3">WEIGHMASTER</td> </tr> <tr> <td colspan="3">IN - JAMIE B. OUT - Karyn B.</td> </tr> <tr> <td colspan="2">DATE/TIME IN 8/23/17 8:50 am</td> <td>DATE/TIME OUT 8/23/17 9:50 am</td> </tr> <tr> <td colspan="2">VEHICLE H-55 MCKEE</td> <td>CONTAINER</td> </tr> <tr> <td colspan="3">REFERENCE</td> </tr> <tr> <td colspan="3">BILL OF LADING</td> </tr> </table> | | SITE | TICKET # 954101 | CELL | WEIGHMASTER | | | IN - JAMIE B. OUT - Karyn B. | | | DATE/TIME IN 8/23/17 8:50 am | | DATE/TIME OUT 8/23/17 9:50 am | VEHICLE H-55 MCKEE | | CONTAINER | REFERENCE | | | BILL OF LADING | | |
| SITE | TICKET # 954101 | CELL | | | | | | | | | | | | | | | | | | | | | | |
| WEIGHMASTER | | | | | | | | | | | | | | | | | | | | | | | | |
| IN - JAMIE B. OUT - Karyn B. | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE/TIME IN 8/23/17 8:50 am | | DATE/TIME OUT 8/23/17 9:50 am | | | | | | | | | | | | | | | | | | | | | | |
| VEHICLE H-55 MCKEE | | CONTAINER | | | | | | | | | | | | | | | | | | | | | | |
| REFERENCE | | | | | | | | | | | | | | | | | | | | | | | | |
| BILL OF LADING | | | | | | | | | | | | | | | | | | | | | | | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | | | | | | | | | | | | | | | | | | | | |
| SCALE IN GROSS WEIGHT 52,880 NET TONS 13.92
SCALE OUT TARE WEIGHT 25,040 NET WEIGHT 27,840 | | INBOUND
INVOICE | | | | | | | | | | | | | | | | | | | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL | | | | | | | | | | | | | | | | | | |
| 0.00 | YD | Tracking QTY | | | | | | | | | | | | | | | | | | | | | | |
| 13.92 | tn | SW-CONT SOIL
Origin:SEATTLE/KING 100% | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | NET AMOUNT | | | | | | | | | | | | | | | | | | |
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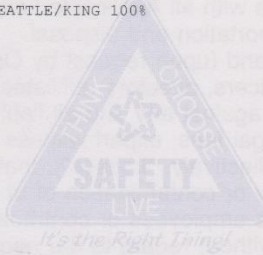
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|--|------|---------------------------------------|-----------------|---|-----|------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 954106 CELL
WEIGHMASTER IN - Patrice G. OUT - JAMIE B.
DATE/TIME IN 8/23/17 10:48 am DATE/TIME OUT 8/23/17 11:13 am
VEHICLE 4 MCKEE CONTAINER
REFERENCE
BILL OF LADING | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | | |
| SCALE IN GROSS WEIGHT 45,780 NET TONS 9.73
SCALE OUT TARE WEIGHT 26,320 NET WEIGHT 19,460 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 9.73 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
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REGIONAL DISPOSAL INTERMODAL --
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WEIGHMASTER IN - Patrice G. OUT - JAMIE B.
DATE/TIME IN 8/23/17 10:48 am DATE/TIME OUT 8/23/17 11:13 am
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| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">SITE 01</td> <td style="width:40%;">TICKET # 954105</td> <td style="width:50%;">CELL</td> </tr> <tr> <td colspan="3">WEIGHMASTER IN - Patrice G. OUT - JAMIE B.</td> </tr> <tr> <td colspan="2">DATE/TIME IN 8/23/17 10:48 am</td> <td>DATE/TIME OUT 8/23/17 11:11 am</td> </tr> <tr> <td colspan="2">VEHICLE H-55 MCKEE</td> <td>CONTAINER</td> </tr> <tr> <td colspan="3">REFERENCE</td> </tr> <tr> <td colspan="3">BILL OF LADING</td> </tr> </table> | | SITE 01 | TICKET # 954105 | CELL | WEIGHMASTER IN - Patrice G. OUT - JAMIE B. | | | DATE/TIME IN 8/23/17 10:48 am | | DATE/TIME OUT 8/23/17 11:11 am | VEHICLE H-55 MCKEE | | CONTAINER | REFERENCE | | | BILL OF LADING | | |
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3rd and lander -Seattle, WA | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">SITE 01</td> <td style="width:40%;">TICKET # 954105</td> <td style="width:50%;">CELL</td> </tr> <tr> <td colspan="3">WEIGHMASTER IN - Patrice G. OUT - JAMIE B.</td> </tr> <tr> <td colspan="2">DATE/TIME IN 8/23/17 10:48 am</td> <td>DATE/TIME OUT 8/23/17 11:11 am</td> </tr> <tr> <td colspan="2">VEHICLE H-55 MCKEE</td> <td>CONTAINER</td> </tr> <tr> <td colspan="3">REFERENCE</td> </tr> <tr> <td colspan="3">BILL OF LADING</td> </tr> </table> | | SITE 01 | TICKET # 954105 | CELL | WEIGHMASTER IN - Patrice G. OUT - JAMIE B. | | | DATE/TIME IN 8/23/17 10:48 am | | DATE/TIME OUT 8/23/17 11:11 am | VEHICLE H-55 MCKEE | | CONTAINER | REFERENCE | | | BILL OF LADING | | |
| SITE 01 | TICKET # 954105 | CELL | | | | | | | | | | | | | | | | | | | |
| WEIGHMASTER IN - Patrice G. OUT - JAMIE B. | | | | | | | | | | | | | | | | | | | | | |
| DATE/TIME IN 8/23/17 10:48 am | | DATE/TIME OUT 8/23/17 11:11 am | | | | | | | | | | | | | | | | | | | |
| VEHICLE H-55 MCKEE | | CONTAINER | | | | | | | | | | | | | | | | | | | |
| REFERENCE | | | | | | | | | | | | | | | | | | | | | |
| BILL OF LADING | | | | | | | | | | | | | | | | | | | | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | | | | | | | | | | | | | | | | | |
| SCALE IN GROSS WEIGHT 46,340 NET TONS 10.65
SCALE OUT TARE WEIGHT 25,040 NET WEIGHT 21,300 | | INBOUND
INVOICE | | | | | | | | | | | | | | | | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL | | | | | | | | | | | | | | | |
| 0.00 | YD | Tracking QTY | | | | | | | | | | | | | | | | | | | |
| 10.65 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | | | | | | | | | | | | | | | | |
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| | | | | | | NET AMOUNT
TENDERED
CHANGE
CHECK# | | | | | | | | | | | | | | | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | | | | | | | | | | | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | | | | | | | | | | | | | | | | |

| | | | | | |
|---|--|--------|------------|--|---------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 954116 CELL
WEIGHMASTER IN - Karyn B. OUT - JAMIE B.
DATE/TIME IN 8/23/17 12:37 pm DATE/TIME OUT 8/23/17 12:44 pm
VEHICLE SOIL CONTAINER
REFERENCE H-55
BILL OF LADING | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | |
| SCALE IN GROSS WEIGHT | | 47,440 | NET TONS | 11.16 | INBOUND |
| SCALE OUT TARE WEIGHT | | 25,120 | NET WEIGHT | 22,320 | INVOICE |

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
|---|------|--------------|------|-----------|-----|-------|
| 0.00 | YD | Tracking QTY | | | | |
| 11.16 | tn | SW-CONT SOIL | | | | |
|  | | | | | | |

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12) _____

SIGNATURE _____

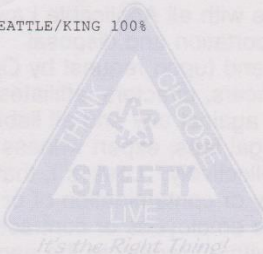
NET AMOUNT

TENDERED

CHANGE

CHECK#

| | | | | | |
|---|--|--------|------------|--|---------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | | | SITE 01 TICKET # 954116 CELL
WEIGHMASTER IN - Karyn B. OUT - JAMIE B.
DATE/TIME IN 8/23/17 12:37 pm DATE/TIME OUT 8/23/17 12:44 pm
VEHICLE SOIL CONTAINER
REFERENCE H-55
BILL OF LADING | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | | |
| SCALE IN GROSS WEIGHT | | 47,440 | NET TONS | 11.16 | INBOUND |
| SCALE OUT TARE WEIGHT | | 25,120 | NET WEIGHT | 22,320 | INVOICE |

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
|---|------|--------------|------|-----------|-----|-------|
| 0.00 | YD | Tracking QTY | | | | |
| 11.16 | tn | SW-CONT SOIL | | | | |
|  | | | | | | |

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12) _____

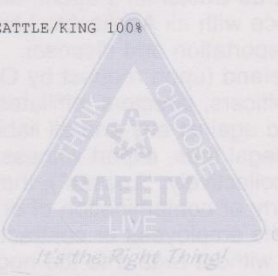
SIGNATURE _____

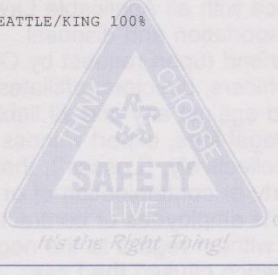
NET AMOUNT

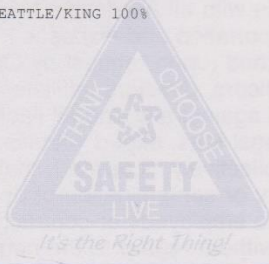
TENDERED

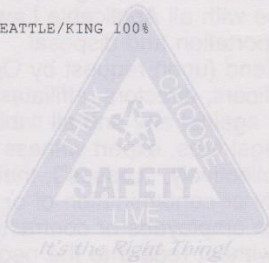
CHANGE

CHECK#

| | | | | | | |
|--|------|---------------------------------------|-----------------|---|-----|------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 954161 CELL | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 8/24/17 8:12 am DATE/TIME OUT 8/24/17 8:24 am
VEHICLE 4 MCKEE CONTAINER
REFERENCE
BILL OF LADING | | |
| SCALE IN GROSS WEIGHT 50,840 NET TONS 12.32
SCALE OUT TARE WEIGHT 26,200 NET WEIGHT 24,640 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 12.32 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

| | | | | | | |
|--|------|---------------------------------------|-----------------|---|-----|------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | | | SITE 01 TICKET # 954161 CELL | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | | | WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 8/24/17 8:12 am DATE/TIME OUT 8/24/17 8:24 am
VEHICLE 4 MCKEE CONTAINER
REFERENCE
BILL OF LADING | | |
| SCALE IN GROSS WEIGHT 50,840 NET TONS 12.32
SCALE OUT TARE WEIGHT 26,200 NET WEIGHT 24,640 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 12.32 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

| | | | | | | |
|--|------|--|------|-----------|-----|-----------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | SITE 01 TICKET # 954164 CELL
WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 8/24/17 9:07 am DATE/TIME OUT 8/24/17 9:24 am
VEHICLE H-55 MCKEE CONTAINER
REFERENCE
BILL OF LADING | | | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | 2017 | | | | |
| SCALE IN GROSS WEIGHT 43,820 NET TONS 9.45
SCALE OUT TARE WEIGHT 24,920 NET WEIGHT 18,900 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 9.45 | tn | SW-CONT SOIL | | | | |
| | | Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | | | | SIGNATURE _____ |

| | | | | | | |
|--|------|--|------|-----------|-----|-----------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | SITE 01 TICKET # 954164 CELL
WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 8/24/17 9:07 am DATE/TIME OUT 8/24/17 9:24 am
VEHICLE H-55 MCKEE CONTAINER
REFERENCE
BILL OF LADING | | | | |
| CUSTOMER 333459
Tenor Co. LLC
1313 Washington St.
Sumner, WA 98390
Contract:TB-12485 | | 2017 | | | | |
| SCALE IN GROSS WEIGHT 43,820 NET TONS 9.45
SCALE OUT TARE WEIGHT 24,920 NET WEIGHT 18,900 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 9.45 | tn | SW-CONT SOIL | | | | |
| | | Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | | | | SIGNATURE _____ |

July 2019 Approved Profile
REPUBLIC

Dana Hopper <dhopper@republicservices.com>

7/29/2019 10:29 AM

Mineral Spirit Contaminated Soil

To duanesadventures2296@comcast.net <duanesadventures2296@comcast.net> Copy
Teresa Dillashaw <tdillashaw@republicservices.com>

Good morning Duane,

The completed recertification packet is attached.

Thank you,

Dana Hopper

NW Special Waste Coordinator

Roosevelt LF, WA / Coffin Butte LF, OR /

Missoula LF, MT / Wasatch LF, UT

54 S Dawson St

Seattle, WA 98134

e dhopper@republicservices.com

o 206.332.7742

f 206.764.1234 w RepublicServices.com



We'll handle it from here.*

- 41781712485 Tenor Company2.pdf (7 MB)
- image001.jpg (53 KB)

REPUBLIC JULY 2019 PROFILE
APPROVED

| | | | |
|---|---------|---|------|
|  | | Republic Services, Inc.
18500 N. Allied Way, Phoenix, AZ 85054 | |
| SPECIAL WASTE DEPARTMENT DECISION | | | |
| Waste Profile #
41781712485 | | Expiration Date
11/30/2019 | |
| I. Decision Request: | | <input type="checkbox"/> Initial <input checked="" type="checkbox"/> Recertification <input checked="" type="checkbox"/> Change | |
| Disposal Facility: 4178 - Roosevelt Regional MSW L/F | | | |
| Generator Name: Tenor Company | | | |
| Generator Site Address: 327 S Kenyon | | | |
| City: Seattle | County: | State: WA | Zip: |
| Name of Waste: Mineral Spirit Contaminated Soil | | | |
| Estimated Annual Volume: 400 Tons | | | |

II. Special Waste Department Decision: ☒ Approved ☐ Rejected

Management Method(s): ☒ Landfill ☐ Solidification ☐ Bioremediation ☐ Deep Well ☐ Transfer Facility

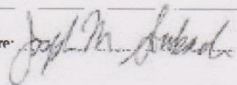
Problematic Special Waste according to Republic? ☐ Yes ☒ No

If yes, which one? _____

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

Per the Special Waste Profile Change Form dated 22 JULY 2019, the generator has requested a time extension until NOVEMBER 30, 2019 in order to complete disposal of the profiled waste.

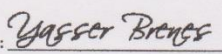
Special Waste Analyst Signature: 
 Date: 7/22/2019

Name (Printed): Joseph Sorokach


III. Facility Decision: ☒ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: 
 Date: 7/22/2019

Name (Printed): Yasser Brenes

| | | |
|--|--|---|
| <h2>Special Waste Profile - Recertification</h2> | |  |
| Disposal Facility: 4178 Roosevelt Regional MSW Landfill WA | | Waste Profile #: 41781712485 |
| | | Sales Rep #: |

I. Generator Information

Generator Name: Tenor Company

Generator Site Address: 327 S Kenyon

City: Seattle County: King State: Washington Zip: 98108

State ID/Reg No: State Approval/Waste Code: NAICS:

Generator Mailing Address ☒ (if different) 1313 Washington St.

City: Sumner County: Pierce State: Washington Zip: 98390

Generator Contact Name: Duane Bartel Email:

Phone Number: 206-321-5565 Ext: Fax Number:

II. Waste Stream Information

Name of Waste: Same

Check Section 1 or 2 below

1. ☐ **There has been a change** in the characteristics of the waste stream due to the following:

- a. Change of a raw material used in the waste generating process.
- b. Change in the waste generating process itself.
- c. Change in a physical characteristic of the waste.
- d. New information has been documented concerning the human health effects of exposure to the waste.

If any of these changes have occurred, a new profile sheet must be completed, and new analysis and/or SDS must be provided as appropriate.

2. ☒ **There have been no changes** that would alter the physical characteristics of the special waste stream.
Updated analytical may be required.

III. Representative Sample Certification

☒ **No Sample Taken**

☐ **Sample Taken** Type of Sample --Select Sample Type--

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☐ Yes ☐ No

Sample Date: Sample ID Numbers:

Special Waste Profile - Recertification



IV. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.


I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original."

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services.

| | | |
|---|--------------------|-------------------|
| Duane Bartel | Managing Partner | Tenor Company LLC |
| Authorized Representative Name
(Printed) | Title
(Printed) | Company Name |
| | | |
| Authorized Representative Signature | | Date |
| | | 7-22-19 |

Special Waste Profile - Change



I. Generator Information
This form may be used to request changes to an existing Special Waste Profile

Generator Name: **Tenor Company**

Name of Waste: **mineral spirits contaminated soil**

Waste Profile #: **41781712485**

II. Purpose of Change
*Description of change requested and reason for change
(provide detailed explanation of why the change is requested following the appropriate checked circle below).*

☐ Volume Increase By: _____
Is the analysis originally submitted with the Profile representative of the volume increase? ☐ Yes ☐ No *If no, complete Section III below*

☒ Extend Expiration Date: **November 30 2019**

☐ Change or Add Landfill: _____

☐ Add Additional Laboratory Reports: *Complete Representative Sample Certification; Section III below*

☐ Add MSDS: _____

☐ Generator Name Change: _____

☒ Other: **phase 1 was done 2017 -this material is coming from underneath a concrete floor and in 2017 the warehouse was still being used and now is vacant to complete the project fro new construction.**

III. Representative Sample Certification

☒ No Sample Taken

☐ Sample Taken Type of Sample --Select Sample Type--
Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☐ Yes ☐ No

Sample Date: _____

Sample ID Numbers: _____

Page 1

Tenor Company

41781712485

April 2019

Special Waste Profile - Change



IV. Certification

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

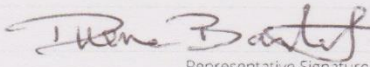
If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I hereby certify that the waste and the process generating the waste are unchanged and are accurately represented in the original profile.

Duane Bartel
Authorized Representative Name
(Printed)

Managing Partner
Title
(Printed)

Tenor Company LLC
Company Name


Representative Signature

7-22-19
Date

Certification No. TB-12485
Billing Acct. No. 333459
Product Code 16

BILL OF LADING
Contaminated Soil
REGIONAL DISPOSAL COMPANY
54 S. Dawson Street
Seattle, WA 98134
Telephone: (206) 332-7700 / Fax: (206) 332-7600

This Bill of Lading augments the Master Service Agreement ("Agreement") entered into by Tenon (Generator/Agent) and Regional Disposal Company ("RDC") on 7/23/19 (date). The terms herein are made a part of the Agreement. In the event of conflict between this Bill of Lading and the Agreement, the terms of the Agreement prevail.

RDC hereby authorizes the Wastes ("Waste") described in Certification No. TB-12485 signed by Generator/Agent on 7/23/19 (date), for disposal at Roosevelt Regional Landfill. Contractor shall present a copy of this Bill of Lading with each shipment delivered.

Location of Waste: 327 S Kenyon Seattle

Method of Shipment: _____

Additional Fees (e.g., laboratory fees, transportation fees, special handling fees, etc. If none, so state): _____

PERFORMANCE DATE

FOR RDC TRANSPORTATION: Generator shall make the Waste available for shipment no later than _____ (date). RDC shall transport the Waste no later than _____ (date), unless RDC notifies the Generator in writing that Waste transport shall be suspended or canceled due to RDC's exercise of its right to inspect or analyze the Waste (as provided in the Agreement).

FOR GENERATOR TRANSPORTATION: Agent shall begin delivery of the Waste at [check one]:
☐ Roosevelt Regional Landfill. ☒ Seattle Transfer Station located at Third and Lander.

Waste delivery shall begin no later than 7/23/19 (date), and shall complete delivery of the Waste no later than 7/30/19 (date), unless RDC notifies Generator/Agent in writing to suspend or cancel the waste delivery due to RDC's exercise of its right to inspect or analyze the Waste (As provided in the Agreement).

| | |
|--|--|
| <p style="text-align: center;">GENERATOR / AGENT</p> <p style="text-align: center;"><u>Duane Bartel</u>
Signature</p> <p style="text-align: center;"><u>Duane Bartel / Managing Partner</u>
Printed Name and Title</p> <p style="text-align: center;"><u>7/24/19</u>
Date</p> | <p style="text-align: center;">REGIONAL DISPOSAL COMPANY</p> <p style="text-align: center;"><u>James Dillashaw</u>
Signature</p> <p style="text-align: center;"><u>Teresa Dillashaw</u>
Printed Name and Title</p> <p style="text-align: center;"><u>7/23/19</u>
Date</p> |
|--|--|

Certification No. TB-12485R
Billing Acct. No. 21001
Product Code V6

BILL OF LADING
Contaminated Soil
REGIONAL DISPOSAL COMPANY
54 S. Dawson Street
Seattle, WA 98134
Telephone: (206) 332-7700 / Fax: (206) 332-7600

This Bill of Lading augments the Master Service Agreement ("Agreement") entered into by Div 175 (Generator/Agent) and Regional Disposal Company ("RDC") on 7/26/19 (date). The terms herein are made a part of the Agreement. In the event of conflict between this Bill of Lading and the Agreement, the terms of the Agreement prevail.

RDC hereby authorizes the Wastes ("Waste") described in Certification No. TB-12485R signed by Generator/Agent on 7/25/19 (date), for disposal at Roosevelt Regional Landfill. Contractor shall present a copy of this Bill of Lading with each shipment delivered.

Location of Waste: 327 S Kenyon Seattle

Method of Shipment: _____

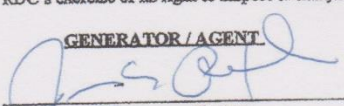
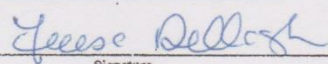
Additional Fees (e.g., laboratory fees, transportation fees, special handling fees, etc. If none, so state):
Duane 206 - 321 - 5565

PERFORMANCE DATE

FOR RDC TRANSPORTATION: Generator shall make the Waste available for shipment no later than _____ (date). RDC shall transport the Waste no later than _____ (date), unless RDC notifies the Generator in writing that Waste transport shall be suspended or canceled due to RDC's exercise of its right to inspect or analyze the Waste (as provided in the Agreement).

FOR GENERATOR TRANSPORTATION: Agent shall begin delivery of the Waste at [check one]:
☐ Roosevelt Regional Landfill. ☒ Seattle Transfer Station located at Third and Lander.

Waste delivery shall begin no later than 7/25/19 (date), and shall complete delivery of the Waste no later than 11/30/19 (date), unless RDC notifies Generator/Agent in writing to suspend or cancel the waste delivery due to RDC's exercise of its right to inspect or analyze the Waste (As provided in the Agreement).

| | |
|---|---|
| <p><u></u>
Signature</p> <p><u>Jim Axelson</u>
Printed Name and Title</p> <p><u>7/26/19</u>
Date</p> | <p>REGIONAL DISPOSAL COMPANY</p> <p><u></u>
Signature</p> <p><u>Terese Dillashaw</u>
Printed Name and Title</p> <p><u>7/26/19</u>
Date</p> |
|---|---|



SPECIAL WASTE SERVICE AGREEMENT NON-HAZARDOUS WASTES

Special Waste Profile Number: 4178 17 12485Generator Billing Information

Name: Tenor Company
 Address: 1313 Washington St.
 City: Sumner
 State: Washington Zip: 98104
 Phone: 206-321-5565 Fax: _____
 Contact: Duane Bartel

Republic Waste Location (Company)

Regional Disposal Company
4178 Roosevelt Regional MSW LF WA
500 Roosevelt Grade Road
Roosevelt WA 99356

Project: 327 Kenyon Seattle, WA

County and

State of Origin: King County, WA

Additional Information: _____

- Special Waste Service.** Subject to the terms and conditions contained herein, the Company and the Generator agree to be legally bound hereby and the Company agrees to accept at its Facility, Acceptable Waste (hereinafter referred to as "Special Waste" or "Waste") delivered by Generator, and which is acceptable to the Company as herein provided.
- Acceptable Waste.** Only those Special Wastes described in Paragraph 3 herein and in any Special Waste Profile(s) which number is identical to the contract number referenced above, and which Profile(s) are hereby incorporated by reference herein, and which Waste is subsequently approved by the Company and is otherwise in accordance with all laws, regulations and permits, shall be acceptable for disposal at the Facility ("Acceptable Waste").
- (A) **Rates for Disposal:**

| Waste | Disposal Method | Disposal Rate: | **Fees / Taxes / Misc. | Transportation |
|-------------------|--|-----------------|--|-----------------------------------|
| | Landfill via 3 rd & Lander TS | | \$16.00 fuel
\$15.00 env. fee month | Delivery \$60.00
Haul \$120.00 |
| Contaminated soil | | \$55.00 per ton | | |

Additional

Information: *** This profile will expire November 30, 2019***

Generator shall also be liable for all taxes, fees, or other charges imposed by federal, state, local or provincial laws and regulations. Cannot Exceed Daily Volume of NA Without Prior Approval of Company.

- (B) **Incorporation by Reference.** In addition to Special Waste Profile(s), the following documents are incorporated by reference into this Agreement as if fully set forth herein.

1) Bill of Lading TB- 2485

2) _____

4. **Term of Agreement.** This Agreement is effective for 4 months, commencing 7/26/19 and shall automatically be renewed for a similar term thereafter unless either party shall give written notice (via certified mail) of termination to the other party at least thirty (30) days prior written notice.

THE COMPANY AND THE GENERATOR, IN CONSIDERATION OF THE MUTUAL OBLIGATIONS CONTAINED HEREIN, AGREE THAT THIS IS A LEGALLY BINDING AGREEMENT WHICH IS SUBJECT TO THE TERMS AND CONDITIONS SET FORTH ON THIS PAGE AND ON THE REVERSE SIDE OF THIS DOCUMENT. IN ADDITION, THE GENERATOR IS CERTIFYING THE ATTACHED TERMS AND CONDITIONS HAVE BEEN REVIEWED AND INITIALLED AT THE BOTTOM OF THE PAGE.

GENERATOR

Duane Bartel
 SIGNATURE (AUTHORIZED REPRESENTATIVE)

Duane Bartel/Managing Partner
 NAME AND TITLE (PLEASE PRINT)

7/26/19
 DATE

REPUBLIC SERVICES, INC/COMPANY

Teressa Dill
 SIGNATURE (AUTHORIZED REPRESENTATIVE)

Teressa Dill
 NAME AND TITLE (PLEASE PRINT)

7/26/19
 DATE

May 2009

Terms and Conditions of Special Waste Service Agreement


5. **The Agreement.** This agreement of the parties ("Agreement") for the disposal of Special Waste shall consist of this Agreement, riders to the Agreement (if any) and any Application, permit and approval that may be applicable to such Waste.
6. **Waste Accepted at Facility.** Generator represents, warrants and covenants that the Waste delivered to Company at its Facility hereunder will be Acceptable Waste and will not contain any unacceptable quantity of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances, as defined by applicable federal, state, local or provincial laws or regulations. Any Waste which does not meet these requirements shall hereinafter be referred to as "Unacceptable Waste". The Generator shall in all matters relating to the collection, transportation and disposal of the Waste hereunder, comply with all applicable federal, state and local laws, regulations, rules and orders regarding the same. The word "Facility" shall mean any landfill, transfer station or other location used to transfer, process or otherwise dispose of such Waste.
7. **Special Waste.** Generator represents, warrants and covenants that the Waste delivered to Company hereunder (i) will not contain any Special Waste that is not specifically described on any Application which is attached hereto or which is subsequently approved by the Company, (ii) will meet the material description as set forth in any Application and otherwise in all significant respects and (iii) will not contain Unacceptable Waste. The parties may incorporate additional Special Waste as part of this Agreement if prior to delivery of such Waste to Company, Generator has provided an Application for such Waste and Company has approved disposal of such Waste within the limitations and conditions contained in Company's written notice of approval of Special Waste Disposal. Title to any and all Waste handled or disposed of by Company shall at all times remain with Generator and Broker (if a Broker is involved).
8. **Rights of Refusal/Rejection.** The Generator shall inspect all Waste at the place(s) of collection and shall remove any and all Unacceptable Waste. Company has the right to refuse, or to reject after acceptance, any load(s) of Waste(s) delivered to its Facility including if the Company believes the Generator has breached (or is breaching) its representations, warranties, covenants or agreements hereunder, or any applicable federal, state or local laws, regulations, rules or orders, even if only a portion of such Waste load is unacceptable. The Company shall have the right to inspect all vehicles and containers of Waste haulers, including the Generator's vehicles, in order to determine whether the Waste is Acceptable Waste or Unacceptable Waste pursuant to this Agreement and all applicable federal, state and local laws, rules and regulations. The Company's exercise or failure to exercise, its rights hereunder shall not operate to relieve the Generator of its responsibilities or liability under this Agreement. The Generator shall be responsible for, and bear all reasonable expenses and damages incurred by the Company, as a result of the Unacceptable Waste and in the reloading and removal of Unacceptable Waste disposed in the Facility. The Company may also, in its sole discretion, require the Generator to promptly remove the Unacceptable Waste.
9. **Limited License to Enter.** This Agreement provides Generator with a license to enter the Facility for the limited purpose of, and only to the extent necessary for, off-loading Acceptable Waste at the Facility in the manner directed by Company. Except in an emergency, Generator's personnel shall not leave the immediate vicinity of their vehicle. After off-loading the Waste, Generator's personnel shall promptly leave the Facility. Under no circumstances shall Generator or its personnel engage in any scavenging of Waste or other materials at the Facility. The Company reserves the right to make and enforce reasonable rules and regulations concerning the operation of the Facility, the conduct of the drivers and others on the Facility premises, quantities and sources of Waste, and any other matters necessary or desirable for the safe, legal and efficient operation of the Facility including, but not limited to, speed limits on haul roads imposed by the Company, and the wearing of hard hats and other personal protection equipment by all individuals allowed on the Facility premises. Generator agrees to conform to such rules and regulations as they may be established from time to time. Company may refuse to accept Waste from and shall deny an entrance license to, any of Generator's personnel whom Company believes is under the influence of alcohol or other chemical substances. Generator shall be solely responsible for its employees and subcontractors performing their obligations in a safe manner when at the Facility of Company.
10. **Charges and Payment.** Payment shall be made by Generator within thirty (30) days after receipt of invoice from Company. In the event that any amount is overdue, the Company may terminate this Agreement. Generator agrees to pay a finance charge equal to the maximum interest rate permitted by law. Generator shall be liable for all taxes, fees, or other charges imposed upon the disposal of the Waste by federal, state, local or provincial laws and regulations. Company, from time to time, may modify its rates upon thirty (30) days written notice to Generator.
11. **Termination.** Generator's obligations, representations, warranties and covenants regarding the Waste delivered and all indemnities shall survive termination of this Agreement. Should Generator materially default in any of its obligations hereunder, then Company may immediately terminate this Agreement and Generator shall be liable for all costs and damages incurred by the Company.
12. **Driver's Knowledge and Authority.** Generator represents, warrants and covenants that its drivers who deliver Waste to Company's Facility have been advised by Generator of the Company's prohibition on deliveries of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances or any other Unacceptable Waste to the Facility of Company's restrictions on deliveries of Special Waste to the Facility, of the definition of "Hazardous Waste and Hazardous Substances" as provided by applicable federal, state and local law, rules and regulations and "Special Waste" as provided herein, and of the terms of this license to enter Company's Facility.
13. **Indemnification.** Generator shall indemnify, defend and hold harmless the Company and its subsidiaries, affiliates and parent corporations, as applicable and their respective officers, directors, lenders, employees, subcontractors and agents from and against any and all claims, suits, losses, liabilities, assessments, damages, fines, costs and expenses, including reasonable attorneys fees arising under federal, state or local laws, regulations or ordinances, or relating to the content of the Waste, or arising out of or in connection with any breach of this Agreement or arising out of the negligent collection, transportation and disposal of Waste by Generator or Generator's employees, agents, subcontractors or representatives thereof. Generator shall also be responsible for increased inspection, testing, study and analysis costs made necessary due to reasonable concerns of the Company as to the content of the Waste following discovery of potentially Unacceptable Waste. This indemnification and other obligations stated in this paragraph shall survive the termination of this Agreement.
14. **Insurance.** Generator shall maintain in full force and effect throughout the term of this Agreement the following types of insurance in at least the amounts specified below:

| Coverages | Minimum Amounts of Insurance |
|-----------------------|---------------------------------|
| Worker's Compensation | Statutory |
| General Liability | \$500,000 combined single limit |
| Automobile Liability | \$500,000 combined single limit |
- All insurance will be by insurers authorized to do business in the state in which the Facility is located. Prior to Generator being allowed on Facility premises, Generator shall provide the Company with certificates of insurance or other satisfactory evidence that such insurance has been procured and is in force. Said policies shall not thereafter be canceled, be permitted to expire or lapse, or be changed without thirty (30) days advance written notice to the Company. Generator warrants that it will secure the above minimum amounts of insurance from any transportation of the Waste to the Facility.
15. **Failure to Perform.** Neither party hereto shall be liable for its failure to perform hereunder due to circumstances not its fault and beyond its reasonable control, including, but not limited to, strikes or other labor disputes, riots, protests, civil disturbances or sabotage, changes in law, fires, floods, compliance with government requests, explosions, accidents, weather, lack of required natural resources, or acts of God affecting either party hereto. In the event of any of the circumstances provided for in the preceding sentence, including but not limited to, whether any federal, state or local court or governmental authority takes any action which would (i) close or restrict operations at the Facility, (ii) limit the quantity or prohibit the disposal of Waste at the Facility, or (iii) limit the ability of or prohibit Generator from delivering Waste to the Facility, the Company shall have the right, at its option, to reduce, suspend or terminate Generator's access to the Facility immediately, without prior notice and without any additional liabilities between the parties, other than Generator's payment obligation hereunder. Neither Party is required hereunder to settle any labor dispute against its own best judgment.
16. **Other Termination.** The occurrence of any of the following events shall also constitute an event of default by the Generator and shall give the Company the right to immediately terminate this Agreement.
 - (A) A petition for reorganization or bankruptcy filed by or against the Generator
 - (B) Failure by Generator to pay any amounts due to Company.
 - (C) Any breach by Generator of any of its obligations pursuant to the Agreement.Generator shall be liable for and shall indemnify, defend and hold harmless Company from any losses, claims, expenses or damages incurred by the Company as a result of termination hereunder.
17. **Assignment.** Generator may not assign, transfer or otherwise vest in any other Company, entity or person, in whole or in part, any of its rights or obligations under the Agreement without the prior written consent of the Company, provided, however, that the Company may without any such prior written consent, assign its rights and/or obligations under the Agreement to a subsidiary or affiliate corporation.
18. **Right of Disposal.** This Agreement does not grant any rights to dispose of Waste other than in accordance herewith. The Company reserves the right to immediately terminate access to the Facility by Generator and Generator's personnel in the event of breach or violation by Generator of any of the terms of this Agreement, the Company's operating rules or payment policies or any applicable laws or regulations.
19. **Continuing Compliance.** The Generator has a continuing obligation to inform the Company of any new information, or information not previously provided to the Company by Generator which may affect the acceptability of the Waste by the Company. Further, the Generator shall comply with all Company requests for evidence of Generator's continuing compliance with the terms of the Agreement including but not limited to the following: (i) providing new, updated Waste profiles on the Waste(s) offered for disposal or, (ii) providing appropriate certification that the Waste being offered for disposal is accurately reflected by the appropriate Application or, (iii) re-sample the Waste at Generator's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or, (iv) allow the Company to re-sample the Waste at Generator's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or (v) all of the above.
20. **Miscellaneous:**
 - (A) This Agreement shall be governed by the laws of the State in which the Facility is located.
 - (B) No waiver of a breach of any of the obligations contained in the Agreement shall be construed to be a waiver of any prior or succeeding breach of the same obligation or of any other obligation of this Agreement.
 - (C) No modification, release, discharge or waiver of any provision or obligation hereof shall be of any force, or effect, unless in writing signed by all parties to this Agreement.
 - (D) Generator shall treat as confidential and not disclose to others during or subsequent to the terms of this Agreement, except as is necessary to perform this Agreement, or to comply with any applicable law or regulation any information (including any technical information, experience or data) regarding the Company's plans, programs, plants, processes, products, costs, equipment or operations which may come within the knowledge of the Generator or its employees in the performance of this Agreement, without in each instance securing the prior written consent of the other Company.
 - (E) If any term, phrase, obligation or provision of this Agreement shall be held to be invalid, illegal or unenforceable in any respect, this Agreement shall remain in effect and be construed without regard to such term, phrase, obligation or provision.
 - (F) This Agreement constitutes the entire understanding between the parties, replacing and amending any prior agreements between the parties, and shall be binding upon all parties hereto, their successors, heirs, representatives and assigns. Any provision, term or condition in any acknowledgement, purchase order or other response by Generator which is in addition to or different from the provisions of this Agreement shall be deemed objected to by the Company and shall be of no effect.
 - (G) Generator represents, warrants and covenants that it is and during the term of this Agreement will remain, in compliance with and will perform its obligations pursuant to all applicable laws and regulations and shall indemnify, defend and hold harmless the Company from any breach thereof.
 - (H) It is the understanding and agreement of the parties that the Company is an independent contractor, and is not an agent, nor an authorized representative of the Generator.
21. **Notices.** All notices herein provided for shall be considered as having been given upon being placed in the mail, certified postage prepaid addressed to the Company or Generator at the address herein set forth in this Agreement or to such other address as may be given to the other party in writing.
22. **Liquidated Damages.** In the event that this Agreement is terminated by the Generator in a manner not in accordance with paragraph 4 hereof, or terminated due to a breach of this Agreement by the Generator, the Generator shall pay, as liquidated damages, and not as a penalty, the greater of an amount equal to six (6) months' service charges or the Generator's most recent monthly charge multiplied by six (6). The Generator shall be given credit for any advance payments made hereunder, however, in computing the amount owed as liquidated damages hereunder. The Generator acknowledges that this liquidated damages clause is reasonable and is applicable to recover damages related to its investment in equipment, development of landfills and hiring of employees undertaken by the Company to service its customers including the Generator. This liquidated damages clause in no way relieves the Generator from its obligations and liability for other cost or damages as set forth elsewhere in this Agreement.

GENERATOR:

REPUBLIC SERVICES/COMPANY:

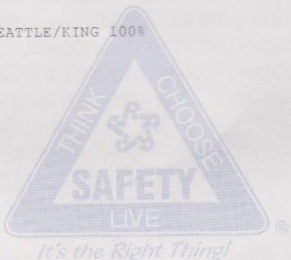
May 2009

| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 978127 CELL | | |
|--|------|---------------------------------------|-----------------|--|-----|--|
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | WEIGHMASTER IN - JAMIE B. OUT - Kim L.
DATE/TIME IN 7/31/19 12:57 pm DATE/TIME OUT 7/31/19 1:05 pm
VEHICLE EC3466 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 3657 | | |
| SCALE IN GROSS WEIGHT 56,040 NET TONS 10.81
SCALE OUT TARE WEIGHT 34,420 NET WEIGHT 21,620 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 10.81 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | NET AMOUNT

TENDERED

CHANGE


CHECK#
_____ |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

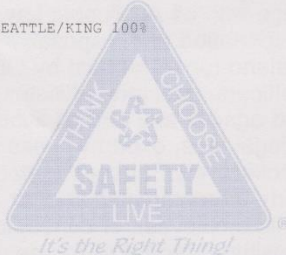
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3rd and lander -Seattle, WA | | | | SITE 01 TICKET # 978185 CELL | | |
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| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | WEIGHMASTER IN - Kelly F. OUT - JAMIE B.
DATE/TIME IN 8/2/19 11:22 am DATE/TIME OUT 8/2/19 11:38 am
VEHICLE EC3465 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 5657 | | |
| SCALE IN GROSS WEIGHT 57,200 NET TONS 11.85
SCALE OUT TARE WEIGHT 33,500 NET WEIGHT 23,700 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 11.85 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | NET AMOUNT


TENDERED

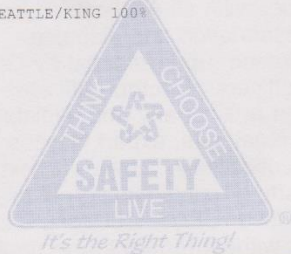
CHANGE

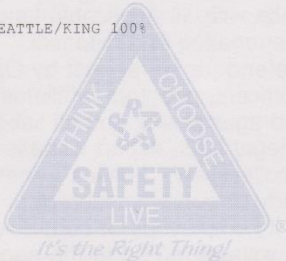
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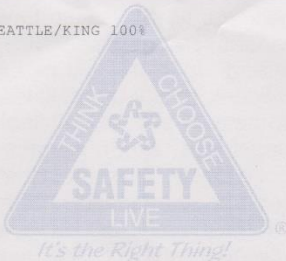
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REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | SITE 01 TICKET # 978269 CELL
WEIGHMASTER IN - Florence D. OUT - JAMIE B.
DATE/TIME IN 8/6/19 2:23 pm DATE/TIME OUT 8/6/19 2:34 pm
VEHICLE EC3465 CONTAINER
REFERENCE TENOR COMAPANY
BILL OF LADING 2657 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 56,940 NET TONS 11.37
SCALE OUT TARE WEIGHT 34,200 NET WEIGHT 22,740 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 11.37 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
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| | | | | | | NET AMOUNT |
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| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | SIGNATURE _____ | | | |
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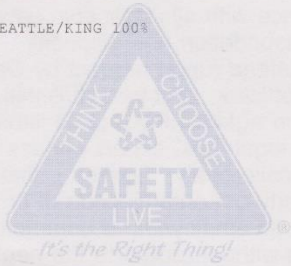
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3rd and lander Seattle, WA | | SITE 01 TICKET # 978264 CELL
WEIGHMASTER Kim L.
DATE/TIME IN 8/6/19 10:01 am DATE/TIME OUT 8/6/19 10:19 am
VEHICLE EC3465 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 2657 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 51,480 NET TONS 8.98
SCALE OUT TARE WEIGHT 33,520 NET WEIGHT 17,960 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 8.98 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | SIGNATURE _____ | | | |
| RS-F042UPR (07/12) | | | | | | |


| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 978265 CELL
WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 8/6/19 10:59 am DATE/TIME OUT 8/6/19 11:11 am
VEHICLE EC3465 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 2657 | | |
|--|------|---------------------------------------|-----------------|--|-----|------------|
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 58,100 NET TONS 11.90
SCALE OUT TARE WEIGHT 34,300 NET WEIGHT 23,800 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 11.90 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |


| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 978256 CELL
WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 8/6/19 8:40 am DATE/TIME OUT 8/6/19 9:00 am
VEHICLE EC3465 CONTAINER
REFERENCE TRENOR COMPANY
BILL OF LADING 2657 | | |
|--|------|---------------------------------------|-----------------|---|-----|------------|
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 54,280 NET TONS 9.99
SCALE OUT TARE WEIGHT 34,300 NET WEIGHT 19,980 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 9.99 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |


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| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | | | SITE 01 TICKET # 978377 CELL
WEIGHMASTER IN - Kelly F. OUT - JAMIE B.
DATE/TIME IN 8/9/19 11:22 am DATE/TIME OUT 8/9/19 11:46 am
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 5657 | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 56,080 NET TONS 10.80
SCALE OUT TARE WEIGHT 34,480 NET WEIGHT 21,600 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 10.80 | tn | SW-CONT SOIL | | | | |
| Origin:SEATTLE/KING 100%
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| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
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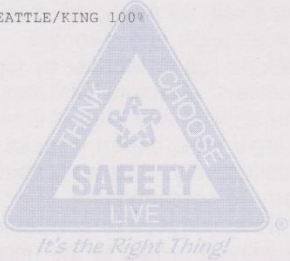
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| SITE
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3rd and lander -Seattle, WA | | | | SITE 01 TICKET # 978403 CELL
WEIGHMASTER IN - JAMIE B. OUT - Kelly F.
DATE/TIME IN 8/12/19 10:43 am DATE/TIME OUT 8/12/19 11:04 am
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 1657 | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 53,980 NET TONS 10.05
SCALE OUT TARE WEIGHT 33,880 NET WEIGHT 20,100 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 10.05 | tn | SW-CONT SOIL | | | | |
| Origin:SEATTLE/KING 100%
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| | | | | | | NET AMOUNT |
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| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

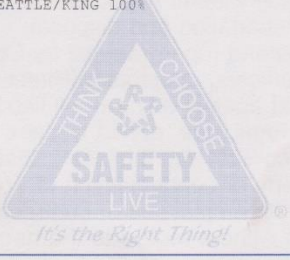
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3rd and lander -Seattle, WA | | SITE 01 TICKET # 978379 CELL
WEIGHMASTER IN - Kelly F. OUT - Kim L.
DATE/TIME IN 8/9/19 12:25 pm DATE/TIME OUT 8/9/19 12:35 pm
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COPANY
BILL OF LADING 5657 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 54,700 NET TONS 10.06
SCALE OUT TARE WEIGHT 34,580 NET WEIGHT 20,120 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 10.06 | tn | SW-CONT SOIL | | | | |
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| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

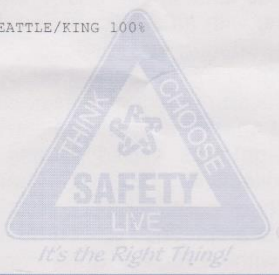
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|--|------|--|-----------------|-----------|-----|------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | SITE 01 TICKET # 978372 CELL
WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 8/9/19 10:30 am DATE/TIME OUT 8/9/19 10:43 am
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 5657 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 55,260 NET TONS 10.62
SCALE OUT TARE WEIGHT 34,020 NET WEIGHT 21,240 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 10.62 | tn | SW-CONT SOIL | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

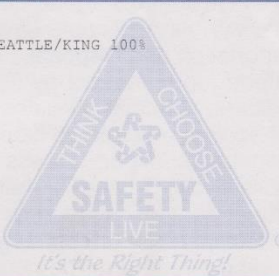
| | | | | | | |
|--|------|---|------|-----------|-----|---|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | SITE 01 TICKET # 978405 CELL
WEIGHMASTER IN - Florence D. OUT - Kelly F.
DATE/TIME IN 8/12/19 11:41 am DATE/TIME OUT 8/12/19 11:54 am
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 1657 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 59,480 NET TONS 12.52
SCALE OUT TARE WEIGHT 34,440 NET WEIGHT 25,040 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 12.52 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | | | | | | NET AMOUNT
TENDERED
CHANGE
CHECK# |
| RS-F042UPR (07/12) | | | | | | SIGNATURE _____ |


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|--|------|---|------|-----------|-----|---|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | SITE 01 TICKET # 978396 CELL
WEIGHMASTER IN - Kelly F. OUT - Kim, L.
DATE/TIME IN 8/12/19 9:31 am DATE/TIME OUT 8/12/19 9:40 am
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 1657 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 57,140 NET TONS 11.30
SCALE OUT TARE WEIGHT 34,540 NET WEIGHT 22,600 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 11.30 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
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TENDERED
CHANGE
CHECK# |
| RS-F042UPR (07/12) | | | | | | SIGNATURE _____ |


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|--|------|---|------|-----------|-----|-----------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | SITE 01 TICKET # 978445 CELL
WEIGHMASTER IN - JAMIE B. OUT - Florence D.
DATE/TIME IN 8/13/19 1:08 pm DATE/TIME OUT 8/13/19 1:17 pm
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 2657 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 56,140 NET TONS 10.85
SCALE OUT TARE WEIGHT 34,440 NET WEIGHT 21,700 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 10.85 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
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| RS-F042UPR (07/12) | | | | | | SIGNATURE _____ |

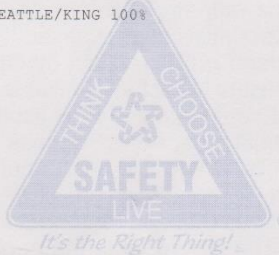
| | | | | | | |
|--|------|---|------|-----------|-----|-----------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | SITE 01 TICKET # 978450 CELL
WEIGHMASTER IN - JAMIE B. OUT - Florence D.
DATE/TIME IN 8/13/19 2:06 pm DATE/TIME OUT 8/13/19 2:18 pm
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 2657 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 57,900 NET TONS 12.02
SCALE OUT TARE WEIGHT 33,860 NET WEIGHT 24,040 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 12.02 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
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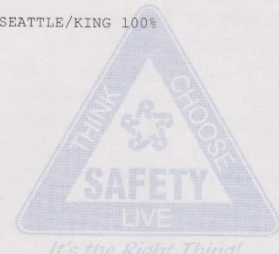
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | SITE 01 TICKET # 978493 CELL
WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 8/15/19 9:58 am DATE/TIME OUT 8/15/19 10:07 am
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 4657 | | | | |
|--|------|---|-----------------|-----------|-----|---|
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 56,980 NET TONS 11.54
SCALE OUT TARE WEIGHT 33,900 NET WEIGHT 23,080 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 11.54 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
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TENDERED
CHANGE
CHECK# |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

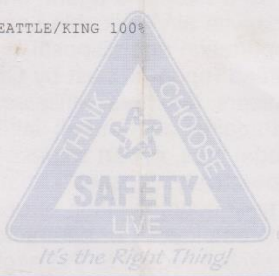
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | SITE 01 TICKET # 978495 CELL
WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 8/15/19 10:42 am DATE/TIME OUT 8/15/19 10:57 am
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 4657 | | | | |
|--|------|--|-----------------|-----------|-----|---|
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 55,300 NET TONS 10.43
SCALE OUT TARE WEIGHT 34,440 NET WEIGHT 20,860 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 10.43 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
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TENDERED
CHANGE
CHECK# |
| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

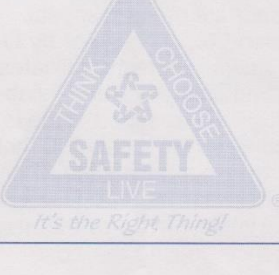
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|--|------|--|------|-----------|-----|---|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | SITE 01 TICKET # 979039 CELL
WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 9/16/19 10:09 am DATE/TIME OUT 9/16/19 10:20 am
VEHICLE EC3467 CONTAINER
REFERENCE TENOR
BILL OF LADING 1657 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 54,740 NET TONS 9.72
SCALE OUT TARE WEIGHT 35,300 NET WEIGHT 19,440 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 9.72 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
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TENDERED
CHANGE
CHECK# |
| RS-F042UPR (07/12) | | SIGNATURE _____ | | | | |


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|--|------|--|------|-----------|-----|---|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | SITE 01 TICKET # 979217 CELL 5622
WEIGHMASTER Kelly F.
DATE/TIME IN 9/20/19 3:06 pm DATE/TIME OUT 9/20/19 3:20 pm
VEHICLE EC3460 CONTAINER
REFERENCE TENOR
BILL OF LADING 327 S KENYON ST | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 52,260 NET TONS 12.38
SCALE OUT TARE WEIGHT 27,500 NET WEIGHT 24,760 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 12.38 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
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CHANGE
CHECK# |
| RS-F042UPR (07/12) | | SIGNATURE _____ | | | | |


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|--|------|---------------------------------------|------|--|-----|-----------------|
| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 979303 CELL | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | WEIGHMASTER IN - JAMIE B. OUT - Florence D.
DATE/TIME IN 9/26/19 2:53 pm DATE/TIME OUT 9/26/19 3:05 pm
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 4657 | | |
| SCALE IN GROSS WEIGHT 57,980 NET TONS 11.17
SCALE OUT TARE WEIGHT 35,640 NET WEIGHT 22,340 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 11.17 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
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| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
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| | | | | | | CHECK# |
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| RS-F042UPR (07/12) | | | | | | SIGNATURE _____ |

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| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 979315 CELL | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | WEIGHMASTER IN - JAMIE B. OUT - Kelly F.
DATE/TIME IN 9/27/19 10:03 am DATE/TIME OUT 9/27/19 10:12 am
VEHICLE EC3468 CONTAINER
REFERENCE TENNOR CORP
BILL OF LADING 5616 | | |
| SCALE IN GROSS WEIGHT 59,340 NET TONS 12.50
SCALE OUT TARE WEIGHT 34,340 NET WEIGHT 25,000 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 12.50 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
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| RS-F042UPR (07/12) | | | | | | SIGNATURE _____ |

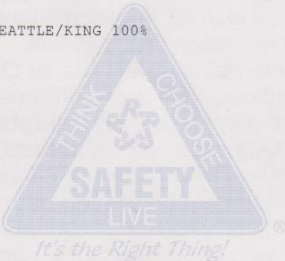
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| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 979296 CELL | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | WEIGHMASTER IN - Florence D. OUT - JAMIE B.
DATE/TIME IN 9/26/19 11:43 am DATE/TIME OUT 9/26/19 11:56 am
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 4657 | | |
| SCALE IN GROSS WEIGHT 56,460 NET TONS 11.05
SCALE OUT TARE WEIGHT 34,360 NET WEIGHT 22,100 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 11.05 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
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| RS-F042UPR (07/12) | | | | | | SIGNATURE _____ |

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| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA | | | | SITE 01 TICKET # 979298 CELL | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | WEIGHMASTER JAMIE B.
DATE/TIME IN 9/26/19 1:06 pm DATE/TIME OUT 9/26/19 1:25 pm
VEHICLE EC3467 CONTAINER
REFERENCE TENOR CORP
BILL OF LADING 4657 | | |
| SCALE IN GROSS WEIGHT 60,420 NET TONS 11.71
SCALE OUT TARE WEIGHT 37,000 NET WEIGHT 23,420 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 11.71 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
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| RS-F042UPR (07/12) | | | | | | SIGNATURE _____ |

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| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | SITE 01 TICKET # 979318 CELL
WEIGHMASTER IN - JAMIE B. OUT - Kelly F.
DATE/TIME IN 9/27/19 10:55 am DATE/TIME OUT 9/27/19 11:10 am
VEHICLE EC3468 CONTAINER
REFERENCE TERNOR COMPANY
BILL OF LADING 5616 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 60,580 NET TONS 13.42
SCALE OUT TARE WEIGHT 33,740 NET WEIGHT 26,840 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 13.42 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
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| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

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| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | SITE 01 TICKET # 979320 CELL
WEIGHMASTER IN - JAMIE B. OUT - Kelly F.
DATE/TIME IN 9/27/19 12:06 pm DATE/TIME OUT 9/27/19 12:17 pm
VEHICLE EC3468 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 5616 | | | | |
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | | | |
| SCALE IN GROSS WEIGHT 55,640 NET TONS 10.02
SCALE OUT TARE WEIGHT 35,600 NET WEIGHT 20,040 | | INBOUND
INVOICE | | | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 10.02 | tn | SW-CONT SOIL Origin:SEATTLE/KING 100% | | | | |
|  | | | | | | |
| | | | | | | NET AMOUNT |
| | | | | | | TENDERED |
| | | | | | | CHANGE |
| | | | | | | CHECK# |
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| RS-F042UPR (07/12) | | | SIGNATURE _____ | | | |

| SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA | | | | SITE 01 TICKET # 979467 CELL | | |
|---|------|--|------|---|-----|-------|
| CUSTOMER 021001
DIV 175 EMERALD CITY/SEATTLE DISP
54 S. Dawson
Seattle, WA 98134
Contract:TB12485R | | | | WEIGHMASTER IN - Kim L. OUT - JAMIE B.
DATE/TIME IN 10/8/19 10:23 am DATE/TIME OUT 10/8/19 10:39 am
VEHICLE EC3467 CONTAINER
REFERENCE TENOR COMPANY
BILL OF LADING 2657 | | |
| SCALE IN GROSS WEIGHT 53,120 NET TONS 9.65
SCALE OUT TARE WEIGHT 33,820 NET WEIGHT 19,300 | | | | INBOUND
INVOICE | | |
| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | Tracking QTY | | | | |
| 9.65 | tn | SW-CONT SOIL
Origin:SEATTLE/KING 100% | | | | |



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RS-F042UPR (07/12) SIGNATURE _____

NET AMOUNT

TENDERED

CHANGE

CHECK#

REPUBLIC SERVICES SPECIAL WASTE PROFILE

Page 1 of 2

Requested Disposal Facility: 4176 Roosevelt Regional MSWLF WA

Waste Profile #: **4181712485**

Salus Rep #: **251-149320**

I. Generator Information

Generator Name: **Tenor company**

Generator Site Address: **327 S Kenyon**

City: **Seattle** County: **King** State: **Washington** Zip: **98128**

State ID/Reg No. _____ State Approval/Waste Code _____ NAICS # _____

Generator Mailing Address (if different): **327 S Kenyon**

City: **Seattle** County: _____ State: **Washington** Zip: **98128**

Generator Contact Name: **Duane Bartel** Email: _____

Phone Number: **(206) 321-5566** Ext: _____ Fax Number: _____

II. Billing Information

Bill To: **Tenor** Contract Name: **Duane Bartel**

Billing Address: **327 S Kenyon** Email: _____

City: **Seattle** State: **WA** Zip: **98128** Phone: _____

III. Waste Stream Information

Name of Waste: **metal spint contaminated soil**

Process Generating Waste: **MSDS**

Leaking tank: **see two attachments**

Type of Waste: ☐ INDUSTRIAL PROCESS WASTE ☒ POLLUTION CONTROL WASTE

Physical State: ☒ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID

Method of Shipment: ☒ BULK ☐ DRUM ☐ BAGGED ☐ OTHER

Estimated Annual Volume: **400** Tons

Frequency: ☒ ONE TIME ☐ ONGOING

Disposal Consideration: ☒ LANDFILL ☐ SOLIDIFICATION ☐ BIOREMEDIATION

IV. Representative Sample Certification ☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules? ☒ YES or ☐ NO

Type of Sample: ☐ COMPOSITE SAMPLE ☒ GRAB SAMPLE

Sample Date: **8-2-2017**

Sample ID Numbers: **11416**

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REPUBLIC SERVICES SPECIAL WASTE PROFILE

Page 2 of 2

Waste Profile # _____

V. Physical Characteristics of Waste

| Characteristic Components | % by Weight (range) |
|---------------------------|---------------------|
| 1. Soil | 100 |
| 2. _____ | _____ |
| 3. _____ | _____ |
| 4. _____ | _____ |
| 5. _____ | _____ |
| 6. _____ | _____ |

Color: brown Odor (describe): son Does Waste Contain Free Liquids? ☐ YES or ☒ NO % Solids: 100 pH: 7.8 Flash Point: 140 °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlorthal, Endrin, Heptachlor (and its isomers), Lindane, Mephoschlor, Toxaphene, 2,4-D, or 2,4,5-TP? ☐ Yes or ☒ No

Does this waste contain reactive sulfides greater than 500 ppm or reactive cyanide greater than 250 ppm (reference 40 CFR 261.23(a)(5)? ☐ Yes or ☒ No

Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761? ☐ Yes or ☒ No

Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA P-Listed Solvents? ☐ Yes or ☒ No

Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? ☐ Yes or ☒ No

Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) or any other dioxin as defined in 40 CFR 261.31? ☐ Yes or ☒ No

Is this a regulated Radioactive Waste as defined by Federal and/or State regulations? ☐ Yes or ☒ No

Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations? ☐ Yes or ☒ No

Is this waste a reactive or heat generating waste? ☐ Yes or ☒ No

Does the waste contain sulfur or sulfur by-products? ☐ Yes or ☒ No

Is this waste generated at a Federal Superfund Clean up Site? ☐ Yes or ☒ No

Is this waste from a TSD facility, TSD like facility or consolidation? ☐ Yes or ☒ No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify the disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

Signature: Duane Bartel Title: Owner/Company
 Approved Representative Name and Title (Print) Company Name

Signature: Duane Bartel Date: 8/3/17
 Approved Representative Signature Date

© Republic Services April 2013



SPECIAL WASTE PROFILE

Page 1 of 2

Requested Disposal Facility: 4178 Roosevelt Regional MSW LF WA

Waste Profile #

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed.

I. Generator Information

Sales Rep #:

| | | | |
|--|--|-------------------|------------|
| Generator Name: Tenor company | | | |
| Generator Site Address: 327 S Kenyon | | | |
| City: Sattle | County: King | State: Washington | Zip: 98128 |
| State ID/Reg No: | State Approval/Waste Code: (if applicable) | | NAICS #: |
| Generator Mailing Address (if different): 327 S Kenyon | | | |
| City: Sattle | County: | State: Washington | Zip: 98128 |
| Generator Contact Name: Duane Bartel | | Email: | |
| Phone Number: (206) 321-5565 | Ext: | Fax Number: | |

II. Billing Information

| | | | |
|-------------------------------|----------------------------|------------|--------|
| Bill To: Tenor | Contact Name: Duane Bartel | | |
| Billing Address: 327 S Kenyon | Email: | | |
| City: Seattle | State: WA | Zip: 98128 | Phone: |

III. Waste Stream Information

| | | |
|---|---|------|
| Name of Waste: mineral spirit contaminated soil | UST | MSDS |
| Process Generating Waste: | See two attachments | |
| Leaking tank | | |
| Type of Waste: | <input type="checkbox"/> INDUSTRIAL PROCESS WASTE <input checked="" type="checkbox"/> POLLUTION CONTROL WASTE | |
| Physical State: | <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SEMI-SOLID <input type="checkbox"/> POWDER <input type="checkbox"/> LIQUID | |
| Method of Shipment: | <input checked="" type="checkbox"/> BULK <input type="checkbox"/> DRUM <input type="checkbox"/> BAGGED <input type="checkbox"/> OTHER: | |
| Estimated Annual Volume: 400 | Tons | |
| Frequency: | <input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> ONGOING | |
| Disposal Consideration: | <input checked="" type="checkbox"/> LANDFILL <input type="checkbox"/> SOLIDIFICATION <input type="checkbox"/> BIOREMEDIATION | |

IV. Representative Sample Certification☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?

☒ YES or ☐ NOType of Sample: ☐ COMPOSITE SAMPLE ☒ GRAB SAMPLE

Sample Date: 6/2/2017

Sample ID Numbers: IN 16'



SPECIAL WASTE PROFILE

Page 2 of 2

V. Physical Characteristics of Waste

| Waste Profile # | | | | | |
|--|-------------------------|--|---------------------|--|-----------------------|
| Characteristic Components | | | % by Weight (range) | | |
| 1. soil | | | 100 | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| Color
brown | Odor (describe)
soil | Does Waste Contain Free Liquids?
<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO | % Solids
100 | pH:
7.8 | Flash Point
140 °F |
| Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile | | | | | |
| Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm)[reference 40 CFR 261.23(a)(5)]? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Is this a regulated Radioactive Waste as defined by Federal and/or State regulations? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Is this waste a reactive or heat generating waste? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Does the waste contain sulfur or sulfur by-products? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Is this waste generated at a Federal Superfund Clean Up Site? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| Is this waste from a TSD facility, TSD like facility or consolidator? | | | | <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

| | |
|---|-------------------------------|
| <u>Duane Bartel</u>
Authorized Representative Name And Title (Type or Print) | Tenor Company
Company Name |
| <u>Duane Bartel</u>
Authorized Representative Signature | <u>8/3/17</u>
Date |

| | | | | | | | |
|---|--|--|--|--------------------------------------|--|--|--|
| CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100 | | TICKET NO. 1921018293 | | TICKET TIME 08:53:28 | | DATE 9/9/2019 | |
| WEIGHMASTER STATION
99231100
Seattle
5225 E. Marginal Way S.
Seattle, WA 98124 | | Customer No. 7847618
Payment Type Account | | Customer Name CASH SALE - CONTRACTOR | | Order No. 10093563 | |
| | | Customer Job No. | | Customer P.O. | | Map Ref. 625 /A2
Disp. Ord. # 79520 | |
| | | Truck Type Solo | | Truck No. MIK21 | | Vehicle or License Plate No. | |
| | | Trailer or License Plate No. | | Zone 60R | | | |
| | | Hauler/Carrier No. 9388259 | | Driver's Name | | Delivered/Ordered 16.53 / 16.00 | |
| | | | | Load No. 1 | | Running Total 16.53 | |


| | | | | |
|--|--|--|--|--|
| SEA/R - TENOR COMPANY
327 S KENYON ST
SEATTLE - ENTER THROUGH EITHER GATE
SEE DUANE ON SITE - CC APPROVED | | | | |
| | | | | |

| Product | Description | Total | Unit Price | Amount |
|---|--------------------|---|------------|---|
| 91050 | 3/4" WASHED GRAVEL | 16.53 | 41.85 | 691.79 |
| ENVIRONMENTAL FEE | | | | 28.93 |
| SCALE WEIGHT
Gross 56,460 LB
Tare 23,400 LB/P.T.*
Net 33,060 LB * | | GROSS & TARE
<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2
X Capoun, Caroline
Deputy Weighmaster | | A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.
LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line. |
| No one available to sign, customer waives receipt signature. <input type="checkbox"/> | | Received by Signature <input checked="" type="checkbox"/> | | Fuel Surcharge 0.00
Sales Tax 72.79
Total 793.51 |
| Arrive Job | | Start Unloading | | Standby Time |
| Finish Unloading | | Customer's Initials | | This Tickets Grand Total |

| | | | | | | | |
|--|--|--|--|--------------------------------------|--|--|--|
| CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100 | | TICKET NO. 1903095064 | | TICKET TIME 09:24:52 | | DATE 9/11/2019 | |
| WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800 | | Customer No. 7847618
Payment Type Account | | Customer Name CASH SALE - CONTRACTOR | | Order No. 10093706 | |
| | | Customer Job No. | | Customer P.O. | | Map Ref. 625 / 625/A
Disp. Ord. # 79670 | |
| | | Truck Type Truck & Trailer | | Truck No. 955 | | Vehicle or License Plate No. B26069C | |
| | | Trailer or License Plate No. | | Zone 135 | | | |
| | | Hauler/Carrier No. 7858190 | | Driver's Name KEVIN | | Delivered/Ordered 33.85 / 32.00 | |
| | | | | Load No. 1 | | Running Total 33.85 | |

| | | | | |
|--|--|--|--|--|
| BD/D - TENOR COMPANY
327 S KENYON ST
SEATTLE - ENTER EITHER GATE - DUMP IN
FRONT OF LOADING DOCK IF NO ONE ONSITE | | | | |
| | | | | |


| Product | Description | Total | Unit Price | Amount |
|---|---------------|---|------------|---|
| 94051 | GRAVEL BORROW | 33.85 | 20.00 | 677.01 |
| ENVIRONMENTAL FEE | | | | 59.24 |
| SCALE WEIGHT
Gross 105,700 LB *
Tare 38,000 LB/P.T.*
Net 67,700 LB * | | GROSS & TARE
<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2
X Tollie, Sheri (B...)
Deputy Weighmaster | | A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.
LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line. |
| No one available to sign, customer waives receipt signature. <input type="checkbox"/> | | Received by Signature <input checked="" type="checkbox"/> | | Fuel Surcharge 0.00
Sales Tax 74.36
Total 810.61 |
| Arrive Job | | Start Unloading | | Standby Time |
| Finish Unloading | | Customer's Initials | | This Tickets Grand Total |



WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800

| | | | | |
|-----------------------------------|-----------------------------|---|---|----------------------------|
| TICKET NO. 1903095123 | | TICKET TIME 07:12:12 | DATE 9/12/2019 | |
| Customer No. 7847618 | Payment Type Account | Customer Name CASH SALE - CONTRACTOR | | Order No. 10093749 |
| Customer Job. No. | Customer P.O. | Map Ref. 625 /625/A | Disp. Ord. # 79670 | |
| Truck Type Truck & Trailer | Truck No. SIL127TT | Vehicle or License Plate No. | Trailer or License Plate No. SIL127B | Zone 120R |
| Hauler/Carrier No. 7774375 | Driver's Name | Delivered/Ordered 31.91 / 32.00 | Load No. 1 | Running Total 31.91 |


BD/R - TENOR COMPANY
327 S KENYON ST
SEATTLE - ENTER EITHER GATE - DUMP IN
FRONT OF LOADING DOCK IF NO ONE ONSITE



CADMAN
HEIDELBERGCEMENTGroup
www.cadman.com

| Product | Description | Total | Unit Price | Amount |
|---------|-------------------|-------|------------|--------|
| 94051 | GRAVEL BORROW | 31.91 | 20.00 | 638.20 |
| | ENVIRONMENTAL FEE | | | 55.85 |


| | | | | | |
|--|------------------------|--|---------------------|--|-------------------------------------|
| SCALE WEIGHT | | GROSS & TARE | | <p>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</p> <p>LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.</p> | Fuel Surcharge |
| Gross 105,820 LB | | <input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 | | | Sales Tax |
| Tare 42,000 LB/P.T.* | | <input checked="" type="checkbox"/> Tollie, Sheri Deputy Weighmaster | | | Total |
| Net 63,820 LB | | | | | Standby Time |
| No one available to sign, customer waives receipt signature. | | Received by Signature | | Print Name (Customer) | Driver's Signature |
| <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Arrive Job | Start Unloading | Finish Unloading | Standby Time | Customer's Initials | This Tickets Grand Total |
| | | | | <input checked="" type="checkbox"/> | |



WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800

| | | | | |
|-----------------------------------|-----------------------------|---|-------------------------------------|----------------------------|
| TICKET NO. 1903095294 | | TICKET TIME 09:59:15 | DATE 9/13/2019 | |
| Customer No. 7847618 | Payment Type Account | Customer Name CASH SALE - CONTRACTOR | | Order No. 10093749 |
| Customer Job. No. | Customer P.O. | Map Ref. 625 /625/A | Disp. Ord. # 79761 | |
| Truck Type Truck & Trailer | Truck No. SIL207TT | Vehicle or License Plate No. | Trailer or License Plate No. | Zone 120R |
| Hauler/Carrier No. 7774375 | Driver's Name | Delivered/Ordered 62.12 / 64.00 | Load No. 2 | Running Total 62.12 |

BD/R - TENOR COMPANY
327 S KENYON ST
SEATTLE - ENTER EITHER GATE - DUMP IN
FRONT OF LOADING DOCK IF NO ONE ONSITE



CADMAN
HEIDELBERGCEMENTGroup
www.cadman.com

| Product | Description | Total | Unit Price | Amount |
|---------|-------------------|-------|------------|--------|
| 94051 | GRAVEL BORROW | 30.62 | 20.00 | 612.40 |
| | ENVIRONMENTAL FEE | | | 53.59 |

| | | | | | |
|--|------------------------|--|---------------------|--|-------------------------------------|
| SCALE WEIGHT | | GROSS & TARE | | <p>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</p> <p>LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.</p> | Fuel Surcharge |
| Gross 103,860 LB | | <input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 | | | Sales Tax |
| Tare 42,620 LB/P.T.* | | <input checked="" type="checkbox"/> Tollie, Sheri Deputy Weighmaster | | | Total |
| Net 61,240 LB | | | | | Standby Time |
| No one available to sign, customer waives receipt signature. | | Received by Signature | | Print Name (Customer) | Driver's Signature |
| <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Arrive Job | Start Unloading | Finish Unloading | Standby Time | Customer's Initials | This Tickets Grand Total |
| | | | | <input checked="" type="checkbox"/> | |

| | | | | | | | |
|--|--|--|--|---|--|-------------------------------------|-------|
| CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100 | | TICKET NO. 1903095262 | | TICKET TIME 07:11:49 | | DATE 9/13/2019 | |
| Customer No. 7847618 | | Payment Type Account | | Customer Name CASH SALE - CONTRACTOR | | Order No. 10093749 | |
| Customer Job No. | | Customer P.O. | | Map Ref. 625 / 625/A | | Disp. Ord. # 79761 | |
| Truck Type | | Truck No. | | Vehicle or License Plate No. | | Trailer or License Plate No. | |
| Hauler/Carrier No. 7774375 | | Driver's Name | | Delivered/Ordered 31.50 / 64.00 | | Load No. 1 | |
| Running Total 31.50 | | | | | | | |
| BD/R - TENOR COMPANY
327 S KENYON ST
SEATTLE - ENTER EITHER GATE - DUMP IN
FRONT OF LOADING DOCK IF NO ONE ONSITE | | | | | | | |
| *Product Description Total Unit Price Amount | | | | | | | |
| 94051 | | GRAVEL BORROW | | | | 31.50 | 20.00 |
| | | ENVIRONMENTAL FEE | | | | | 55.13 |
| SCALE WEIGHT | | GROSS & TARE | | A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME. | | Fuel Surcharge | |
| Gross 105,620 LB | | Scale 1 <input checked="" type="checkbox"/> Scale 2 <input type="checkbox"/> | | LIABILITY WAIVER | | 0.00 | |
| Tare 42,620 LB/P.T.* | | X Tollie, Sheri Deputy Weighmaster | | Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line. | | Sales Tax 69.20 | |
| Net 63,000 LB | | | | | | Total 754.33 | |
| No one available to sign, customer waives receipt signature. | | Received by Signature | | Print Name (Customer) | | Driver's Signature | |
| <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| Arrive Job | | Start Unloading | | Finish Unloading | | Standby Time | |
| | | | | | | Customer's Initials | |
| | | | | | | This Tickets Grand Total | |

| | | | | | | | |
|--|--|--|--|---|--|-------------------------------------|-------|
| CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100 | | TICKET NO. 1903095732 | | TICKET TIME 07:52:34 | | DATE 9/23/2019 | |
| Customer No. 7847618 | | Payment Type Account | | Customer Name CASH SALE- CONTRACTOR | | Order No. 10079718 | |
| Customer Job No. | | Customer P.O. | | Map Ref. 625 / 625-A | | Disp. Ord. # 80073 | |
| Truck Type | | Truck No. | | Vehicle or License Plate No. | | Trailer or License Plate No. | |
| Hauler/Carrier No. 7858190 | | Driver's Name GAIL | | Delivered/Ordered 33.26 / 64.00 | | Load No. 1 | |
| Running Total 33.26 | | | | | | | |
| BD/D TENOR COMPANY
327 S KENYON ST
SEATTLE ENTER THROUGH EITHER GATE
SEE DUANE ON SITE
CC APPROVED | | | | | | | |
| *Product Description Total Unit Price Amount | | | | | | | |
| 91050 | | 3/4" WASHED GRAVEL | | | | 33.26 | 22.30 |
| | | ENVIRONMENTAL FEE | | | | | 58.21 |
| SCALE WEIGHT | | GROSS & TARE | | A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME. | | Fuel Surcharge | |
| Gross 104,460 LB | | Scale 1 <input checked="" type="checkbox"/> Scale 2 <input type="checkbox"/> | | LIABILITY WAIVER | | 0.00 | |
| Tare 37,940 LB/P.T.* | | X Tollie, Sheri Deputy Weighmaster | | Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line. | | Sales Tax 80.79 | |
| Net 66,520 LB * | | | | | | Total 880.69 | |
| No one available to sign, customer waives receipt signature. | | Received by Signature | | Print Name (Customer) | | Driver's Signature | |
| <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| Arrive Job | | Start Unloading | | Finish Unloading | | Standby Time | |
| | | | | | | Customer's Initials | |
| | | | | | | This Tickets Grand Total | |

REPRINT

CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800

| | | | | | | |
|--------------------|-----------------|---------------|-------------|------------------------------|---------------|-----------------------|
| TICKET NO. | 1903096110 | | TICKET TIME | 08:41:40 | DATE | 10/1/2019 |
| Customer No. | 7847618 | Payment Type | Account | | Customer Name | CASH SALE- CONTRACTOR |
| Customer Job. No. | | Customer P.O. | | Map Ref. | 625 / 625-A | Disp. Ord. # |
| Truck Type | Truck & Trailer | Truck No. | 960 | Vehicle or License Plate No. | C58021E | Zone |
| Hauler/Carrier No. | 7858190 | Driver's Name | MICKEY | Delivered/Ordered | 33.49 / 96.00 | Running Total |
| | | | | Load No. | 1 | 33.49 |

BD/D TENOR COMPANY
327 S KENYON ST
SEATTLE ENTER THROUGH EITHER GATE
SEE DUANE ON SITE
CC APPROVED

PAID
CREDIT CARD

| Product | Description | Total | Unit Price | Amount |
|--|--|---|--------------------|--------------------------|
| 91255 | TYPE17 | 33.49 | 21.05 | 704.97 |
| | ENVIRONMENTAL FEE | | | 58.61 |
| SCALE WEIGHT | GROSS & TARE | A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME. | | Fuel Surcharge |
| Gross 105,120 LB * | | LIABILITY WAIVER | | 0.00 |
| Tare 38,140 LB/P.T.* | <input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 | Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line. | | Sales Tax |
| Net 66,980 LB * | X Shauna Deputy Weighmaster | | | 77.12 |
| No one available to sign, customer waives receipt signature. | | Print Name (Customer) | Driver's Signature | Total |
| <input type="checkbox"/> X | | X | X | 840.70 |
| Arrive Job | Start Unloading | Finish Unloading | Standby Time | This Tickets Grand Total |
| | | | X | |

REPRINT

CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800

| | | | | | | |
|--------------------|-----------------|---------------|-------------|------------------------------|---------------|-----------------------|
| TICKET NO. | 1903096413 | | TICKET TIME | 08:57:48 | DATE | 10/7/2019 |
| Customer No. | 7847618 | Payment Type | Account | | Customer Name | CASH SALE- CONTRACTOR |
| Customer Job. No. | | Customer P.O. | | Map Ref. | 625 / 625/A | Disp. Ord. # |
| Truck Type | Truck & Trailer | Truck No. | SIL169TT | Vehicle or License Plate No. | | Zone |
| Hauler/Carrier No. | 7774375 | Driver's Name | | Delivered/Ordered | 62.71 / 64.00 | Running Total |
| | | | | Load No. | 2 | 62.71 |

BD/R - TENOR COMPANY
327 S KENYON ST
SEATTLE - ENTER EITHER GATE - DUMP IN
FRONT OF LOADING DOCK IF NO ONE ONSITE

CADMAN

| Product | Description | Total | Unit Price | Amount |
|--|--|---|--------------------|--------------------------|
| 94051 | GRAVEL BORROW | 31.38 | 20.00 | 627.60 |
| | ENVIRONMENTAL FEE | | | 54.92 |
| SCALE WEIGHT | GROSS & TARE | A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME. | | Fuel Surcharge |
| Gross 104,320 LB | | LIABILITY WAIVER | | 0.00 |
| Tare 41,560 LB/P.T.* | <input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 | Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line. | | Sales Tax |
| Net 62,760 LB | X Tollye Sheri Deputy Weighmaster | | | 68.93 |
| No one available to sign, customer waives receipt signature. | | Print Name (Customer) | Driver's Signature | Total |
| <input type="checkbox"/> X | | X | X | 751.45 |
| Arrive Job | Start Unloading | Finish Unloading | Standby Time | This Tickets Grand Total |
| | | | X | |



SILVER STREAK, INC.

Ph: 425-432-5000 • Fax: 425-432-5515
23700 SE 264th St. • Maple Valley, WA 98038

190778

DELIVERY/TONNAGE TICKET

DBE/WBE # D2F7218670 & SCS916

| | |
|--|---|
| Driver Name: <u>Eugene Cunniff</u> | |
| Date: <u>10/7/19</u> | Truck #: <u>159</u> |
| TRAVEL TIME | |
| Begin: <u>6:15-6:30</u> | End: _____ |
| Driver Total Hours: _____ | |
| Total Travel: _____ | Mileage: _____ |
| Lunch/Down: _____ | Begin Mileage: <u>501940</u> |
| Fuel: _____ | Total Miles: _____ |
| Pre-Trip <input checked="" type="checkbox"/> | Post-Trip <input checked="" type="checkbox"/> |
| DVIR #: _____ | |
| Out-of-State Mileage: _____ | State of Travel: _____ |
| In: _____ | Out: _____ |
| # Trips: _____ | Total Miles: _____ |

Contractor Name: Cadman
PO/Job: 327 S. Kenyon St.
Job Site: Seattle
Bill By ☐ Ton: ☐ Yard: ☐ Job #: Delivery
Start Time: 6:45 Lunch Time: _____
Stop Time: 8:25 Down Time: _____
Total Hours: _____
Reason for Delay (Standby)

[illegible]

By signing this document, I certify that all of the above information is true and accurate.

Signatory of this ticket will be considered your notice of our intent to lien this project. Invoices not paid after the tenth of the month following the date that services were rendered are past due and shall accrue interest at a rate of 18%. Interstate Commerce terms are Net 30 days; WA Interstate terms are Net 30, unless the carrier has made special terms. In the event a dispute arises, the prevailing party shall be entitled to actual attorney fees and costs incurred, regardless if suit is commenced. These attorney fees, collection costs, court costs and similar related expenses expended or incurred by Silverstreak, Inc. in the enforcement of collection shall include, but not be limited to, telephone and postal charges, and reasonable compensation for time of Silverstreak, Inc.'s representatives and attorneys.

WARRANTY: SILVERSTREAK, INC. AND SILVERSTREAK, INC.'S SUPPLIERS AND SUBCONTRACTORS (JOINTLY REFERRED TO AS SILVERSTREAK, INC.) WARRANT ALL MATERIALS SOLD HEREUNDER CONFORM TO SILVERSTREAK, INC. QUOTATION. SILVERSTREAK, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE MATERIALS, WHETHER AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER MATTER.


LIMITATION OF LIABILITY: Silverstreak, Inc.'s liability to customer, however caused, whether in contract, tort, or otherwise, including without limitation, any indemnification, liabilities or damage for property or personal loss, shall in no event exceed the total compensation paid Silverstreak, Inc. hereunder. This limitation of liability shall survive the completion or termination of this transaction.

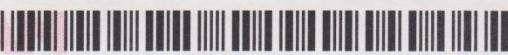
Authorized Rep Signature:

| CADMAN
HEIDELBERG CEMENT Group®
(888) 322-6847 425-961-7100 | | REPRINT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------|--|----------------------|--------------------------------------|--------------------------|---------|-------------|-------|------------|--------|-------|---------------|-------|-------|--------|--|-------------------|--|--|-------|--------------|--|--------------|--|--|------------------|--|---|--|--|----------------------|--|--|--|--|---------------|--|---|--|--|--|--|-----------------------|--|--------------------|--|--|---|--|---|------------|-----------------|------------------|--------------|---------------------|--------------------------|--|--|--|--|---|--|
| WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800 | | TICKET NO. 1903096382 | TICKET TIME 06:56:30 | DATE 10/7/2019 | Order No. 10093749 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer No. 7847618 | Payment Type Account | Customer Name CASH SALE- CONTRACTOR | | Map Ref. 625 / 625/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer Job No. | Customer P.O. | Truck Type | Truck No. SIL159TT | Vehicle or License Plate No. SIL159B | Zone 120R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hauler/Carrier No. 7774375 | Driver's Name | Delivered/Ordered 31.33 / 64.00 | Load No. 1 | Running Total 31.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BD/R - TENOR COMPANY
327 S KENYON ST
SEATTLE - ENTER EITHER GATE - DUMP IN
FRONT OF LOADING DOCK IF NO ONE ONSITE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Print Name (Customer) | | Driver's Signature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrive Job | Start Unloading | Finish Unloading | Standby Time | Customer's Initials | This Tickets Grand Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Print Name (Customer) | | Driver's Signature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrive Job | Start Unloading | Finish Unloading | Standby Time | Customer's Initials | This Tickets Grand Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| CADMAN
HEIDELBERG CEMENT Group®
(888) 322-6847 425-961-7100 | | TICKET NO. 1903096126 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|--|----------------|--------------------------------------|--------------------------|---------|-------------|-------|------------|--------|-------|--------|-------|-------|--------|--|-------------------|--|--|-------|--------------|--|--------------|--|--|------------------|--|---|--|--|----------------------|--|--|--|--|---------------|--|---|--|--|--|--|-----------------------|--|--------------------|--|--|---|--|---|------------|-----------------|------------------|--------------|---------------------|--------------------------|--|--|--|--|---|--|
| WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800 | | TICKET TIME 11:36:19 | DATE 10/1/2019 | Order No. 10079718 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer No. 7847618 | Payment Type Account | Customer Name CASH SALE- CONTRACTOR | | Map Ref. 625 / 625-A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer Job No. | Customer P.O. | Truck Type | Truck No. 1960 | Vehicle or License Plate No. C58021E | Zone 135 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hauler/Carrier No. 7858190 | Driver's Name MICKEY | Delivered/Ordered 66.59 / 96.00 | Load No. 2 | Running Total 66.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BD/D TENOR COMPANY
327 S KENYON ST
SEATTLE ENTER THROUGH EITHER GATE
SEE DUANE ON SITE
CC APPROVED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Product | Description | Total | Unit Price | Amount | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91255 | TYPE17 | 33.10 | 21.05 | 696.76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ENVIRONMENTAL FEE | | | 57.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SCALE WEIGHT | | GROSS & TARE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Print Name (Customer) | | Driver's Signature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrive Job | Start Unloading | Finish Unloading | Standby Time | Customer's Initials | This Tickets Grand Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

[illegible]

| CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100 | | TICKET NO. 1903096413 | | TICKET TIME 08:57:48 | | DATE 10/7/2019 | | | | | | | | | | | | | | | | |
|---|-------------------|---|------------|--|--|---|--|---------|-------------|-------|------------|--------|-------|---------------|-------|-------|--------|--|-------------------|--|--|-------|
| WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800 | | Customer No. 7847618
Payment Type Account
Customer Name CASH SALE- CONTRACTOR | | Order No. 10093749 | | | | | | | | | | | | | | | | | | |
| | | Customer Job No.
Customer P.O. | | Map Ref. 625 / 625/A
Disp. Ord. # 80649 | | | | | | | | | | | | | | | | | | |
| | | Truck Type
Truck & Trailer SIL169TT | | Vehicle or License Plate No.
Trailer or License Plate No. | | Zone 120R | | | | | | | | | | | | | | | | |
| | | Hauler/Carrier No. 7774375
Driver's Name | | Delivered/Ordered 62.71 / 64.00
Load No. 2 | | Running Total 62.71 | | | | | | | | | | | | | | | | |
| BD/R - TENOR COMPANY
327 S KENYON ST
SEATTLE - ENTER EITHER GATE - DUMP IN
FRONT OF LOADING DOCK IF NO ONE ONSITE | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Product</th> <th>Description</th> <th>Total</th> <th>Unit Price</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>94051</td> <td>GRAVEL BORROW</td> <td>31.38</td> <td>20.00</td> <td>627.60</td> </tr> <tr> <td></td> <td>ENVIRONMENTAL FEE</td> <td></td> <td></td> <td>54.92</td> </tr> </tbody> </table> | | | | | | | | Product | Description | Total | Unit Price | Amount | 94051 | GRAVEL BORROW | 31.38 | 20.00 | 627.60 | | ENVIRONMENTAL FEE | | | 54.92 |
| Product | Description | Total | Unit Price | Amount | | | | | | | | | | | | | | | | | | |
| 94051 | GRAVEL BORROW | 31.38 | 20.00 | 627.60 | | | | | | | | | | | | | | | | | | |
| | ENVIRONMENTAL FEE | | | 54.92 | | | | | | | | | | | | | | | | | | |
| SCALE WEIGHT
Gross 104,320 LB
Tare 41,560 LB/P.T.*
Net 62,760 LB | | GROSS & TARE
<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2
X Tollie, Sheri (Deputy Weighmaster) | | A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.
LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line. | | Fuel Surcharge 0.00
Sales Tax 68.93
Total 751.45 | | | | | | | | | | | | | | | | |
| No one available to sign, customer waives receipt signature. <input type="checkbox"/> | | Received by Signature <input checked="" type="checkbox"/> | | Print Name (Customer) X | | Driver's Signature X | | | | | | | | | | | | | | | | |
| Arrive Job | | Start Unloading | | Finish Unloading | | Standby Time | | | | | | | | | | | | | | | | |
| | | | | Customer's Initials X | | This Tickets Grand Total | | | | | | | | | | | | | | | | |

| CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100 | | TICKET NO. 1903096552 | | TICKET TIME 07:15:26 | | DATE 10/8/2019 | | | | | | | | | | | | | | | | |
|---|-------------------|---|------------|--|--|---|--|---------|-------------|-------|------------|--------|-------|---------------|-------|-------|--------|--|-------------------|--|--|-------|
| WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800 | | Customer No. 7847618
Payment Type Debit Card
Customer Name CASH SALE- CONTRACTOR | | Order No. 10093749 | | | | | | | | | | | | | | | | | | |
| | | Customer Job No.
Customer P.O. | | Map Ref. 625 / 625/A
Disp. Ord. # 80747 | | | | | | | | | | | | | | | | | | |
| | | Truck Type
Truck & Trailer SIL169TT | | Vehicle or License Plate No.
Trailer or License Plate No. | | Zone 120 | | | | | | | | | | | | | | | | |
| | | Hauler/Carrier No. 7774375
Driver's Name | | Delivered/Ordered 63.11 / 64.00
Load No. 2 | | Running Total 63.11 | | | | | | | | | | | | | | | | |
| BD/R - TENOR COMPANY
327 S KENYON ST
SEATTLE - SEATTLE - NE SIDE OF PROPERTIE DUM
NO ONE ONSITE - | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Product</th> <th>Description</th> <th>Total</th> <th>Unit Price</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>94051</td> <td>GRAVEL BORROW</td> <td>31.83</td> <td>20.00</td> <td>636.60</td> </tr> <tr> <td></td> <td>ENVIRONMENTAL FEE</td> <td></td> <td></td> <td>55.71</td> </tr> </tbody> </table> | | | | | | | | Product | Description | Total | Unit Price | Amount | 94051 | GRAVEL BORROW | 31.83 | 20.00 | 636.60 | | ENVIRONMENTAL FEE | | | 55.71 |
| Product | Description | Total | Unit Price | Amount | | | | | | | | | | | | | | | | | | |
| 94051 | GRAVEL BORROW | 31.83 | 20.00 | 636.60 | | | | | | | | | | | | | | | | | | |
| | ENVIRONMENTAL FEE | | | 55.71 | | | | | | | | | | | | | | | | | | |
| SCALE WEIGHT
Gross 105,220 LB
Tare 41,560 LB/P.T.*
Net 63,660 LB | | GROSS & TARE
<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2
X Tollie, Sheri (Deputy Weighmaster) | | A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.
LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line. | | Fuel Surcharge 0.00
Sales Tax 69.92
Total 762.23 | | | | | | | | | | | | | | | | |
| No one available to sign, customer waives receipt signature. <input type="checkbox"/> | | Received by Signature <input checked="" type="checkbox"/> | | Print Name (Customer) X | | Driver's Signature X | | | | | | | | | | | | | | | | |
| Arrive Job | | Start Unloading | | Finish Unloading | | Standby Time | | | | | | | | | | | | | | | | |
| | | | | Customer's Initials X | | This Tickets Grand Total | | | | | | | | | | | | | | | | |

REPRINT

| | | | | | | | |
|---|--|-------------------------------|----------------------------|---|-----------------------|------------------------|-----------|
| CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100 | | TICKET NO. 1903096547 | | TICKET TIME | 06:56:37 | DATE | 10/8/2019 |
| WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800 | | Customer No.
7847618 | Payment Type
Debit Card | Customer Name
CASH SALE- CONTRACTOR | | Order No.
10093749 | |
| | | Customer Job No. | Customer P.O. | Map Ref.
625 / 625/A | Disp. Ord. #
80747 | | |
| | | Truck Type
Truck & Trailer | Truck No.
SIL159TT | Vehicle or License Plate No.
SIL159B | Zone
120 | | |
| | | Hauler/Carrier No.
7774375 | Driver's Name | Delivered/Ordered
31.28 / 64.00 | Load No.
1 | Running Total
31.28 | |

BD/R - TENOR COMPANY
327 S KENYON ST
SEATTLE - SEATTLE - NE SIDE OF PROPERTIE DUM
NO ONE ONSITE -

CADMAN
HEIDELBERGCEMENTGroup®
www.cadman.com

| Product | Description | Total | Unit Price | Amount |
|---------|-------------------|-------|------------|--------|
| 94051 | GRAVEL BORROW | 31.28 | 20.00 | 625.60 |
| | ENVIRONMENTAL FEE | | | 54.74 |

| | | | | | |
|----------------------|--|--|--|--|----------------|
| SCALE WEIGHT | | GROSS & TARE | | A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line. | Fuel Surcharge |
| Gross 103,700 LB | | <input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 | | | Sales Tax |
| Tare 41,140 LB/P.T.* | | X Tollie, Sheri
Deputy Weighmaster | | | Total |
| Net 62,560 LB | | | | | 749.05 |

No one available to sign, customer waives receipt signature. ☐ Received by Signature ☒ Print Name (Customer) X Driver's Signature X

Arrive Job Start Unloading Finish Unloading Standby Time Customer's Initials X This Tickets Grand Total

REPRINT

| | | | | | | | |
|---|--|-------------------------------|----------------------------|---|-----------------------|------------------------|-----------|
| CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100 | | TICKET NO. 1903096552 | | TICKET TIME | 07:15:26 | DATE | 10/8/2019 |
| WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800 | | Customer No.
7847618 | Payment Type
Debit Card | Customer Name
CASH SALE- CONTRACTOR | | Order No.
10093749 | |
| | | Customer Job No. | Customer P.O. | Map Ref.
625 / 625/A | Disp. Ord. #
80747 | | |
| | | Truck Type
Truck & Trailer | Truck No.
SIL169TT | Vehicle or License Plate No.
SIL169B | Zone
120 | | |
| | | Hauler/Carrier No.
7774375 | Driver's Name | Delivered/Ordered
63.11 / 64.00 | Load No.
2 | Running Total
63.11 | |

BD/R - TENOR COMPANY
327 S KENYON ST
SEATTLE - SEATTLE - NE SIDE OF PROPERTIE DUM
NO ONE ONSITE -

CADMAN
HEIDELBERGCEMENTGroup®
www.cadman.com


| Product | Description | Total | Unit Price | Amount |
|---------|-------------------|-------|------------|--------|
| 94051 | GRAVEL BORROW | 31.83 | 20.00 | 636.60 |
| | ENVIRONMENTAL FEE | | | 55.71 |

| | | | | | |
|----------------------|--|--|--|--|----------------|
| SCALE WEIGHT | | GROSS & TARE | | A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line. | Fuel Surcharge |
| Gross 105,220 LB | | <input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 | | | Sales Tax |
| Tare 41,560 LB/P.T.* | | X Tollie, Sheri
Deputy Weighmaster | | | Total |
| Net 63,660 LB | | | | | 762.23 |

No one available to sign, customer waives receipt signature. ☐ Received by Signature ☒ Print Name (Customer) X Driver's Signature X



Arrive Job Start Unloading Finish Unloading Standby Time Customer's Initials X This Tickets Grand Total



WEIGHMASTER STATION
99021100
Black Diamond
26111 SE Green Valley Rd.
Black Diamond, WA 98010-7800

| | | | |
|-----------------------------------|--------------------------------|---|----------------------------|
| TICKET NO. 1903096547 | | TICKET TIME 06:56:37 | DATE 10/8/2019 |
| Customer No. 7847618 | Payment Type Debit Card | Customer Name CASH SALE- CONTRACTOR | |
| Customer Job. No. | Customer P.O. | Map Ref. 625 /625/A | Disp. Ord. # 80747 |
| Truck Type Truck & Trailer | Truck No. SIL159TT | Vehicle or License Plate No. SIL159B | Zone 120 |
| Hauler/Carrier No. 7774375 | Driver's Name | Delivered/Ordered 31.28 / 64.00 | Load No. 1 |
| | | | Running Total 31.28 |

BD/R - TENOR COMPANY
 327 S KENYON ST
 SEATTLE - SEATTLE - NE SIDE OF PROPERTIE DUM
 NO ONE ONSITE -

www.cadman.com

| Product | Description | Total | Unit Price | Amount |
|---------|-------------------|-------|------------|--------|
| 94051 | GRAVEL BORROW | 31.28 | 20.00 | 625.60 |
| | ENVIRONMENTAL FEE | | | 54.74 |

SCALE WEIGHT

Gross 103,700 LB

Tare 41,140 LB/P.T.*

Net 62,560 LB

GROSS & TARE

☒ Scale 1 ☐ Scale 2

☒ Tollie, Sheri
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge 0.00

Sales Tax 68.71

Total 749.05

No one available to sign, customer waives receipt signature. ☐

Received by Signature ☒

Print Name (Customer) ☒

Driver's Signature ☒

Standby Time

Arrive Job

Start Unloading ☒

Finish Unloading ☒

Standby Time

Customer's Initials ☒

This Tickets Grand Total

E-86

| | | | | | | | |
|---|------------------------|--|--|--|-------------------------------|-----------------------|--------|
| KANGLEY ROCK & RECYCLING
ACCOUNTING: 9125 TENTH AVENUE SOUTH
SEATTLE, WA 98108 • (206) 762-2566
A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC. | | Kangley Rock & Recycling Locations
KANGLEY PIT (Plant # 21)
32500 SE Kent-Kangley Rd., Ravensdale, WA 98051
BLACK RIVER (Plant # 22) - (206) 658-0912
510 Monster Rd. Renton, WA 98055
LAKE FRANCIS (Plant # 23) - (206) 658-0872
22501 SE Lake Francis Rd. Maple Valley, WA 98038
Cedar Mountain Reclamation
17877 Cedar Grove Rd. SE, Maple Valley, WA 98038
Plant #20 - (206) 658-0913 | | DELIVERY TICKET
ACCOUNTING (206) 762-2566
FAX (206) 762-2358
SALES & ORDER DESK (206) 768-1000 | | | |
| MAP LOCATE | LEAVE PLANT | ARRIVE JOB | LEAVE JOB | ARRIVE PLANT | | | |
| DATE
09/18/2019 | CUSTOMER NO.
724601 | ORDER NO.
636261 | PROJECT | | PLANT #
22 | | |
| CUSTOMER NAME
BARANCO RECYCLING | | | CUSTOMER PO.
TENOR CO | JOB NO.
000050 | DELIVERY TICKET NO.
118764 | | |
| JOB ADDRESS
307 S KING
SEATTLE | | | COLLECT ON DELIVERY (C.O.D.)
<input type="checkbox"/> CASH <input type="checkbox"/> CHECK # _____ <input type="checkbox"/> CHARGE
CARD # _____ EXP. / ____
<input type="checkbox"/> VISA <input type="checkbox"/> MASTERCARD <input type="checkbox"/> DISCOVER | | | | |
| SPECIAL INSTRUCTIONS | | | | | | | |
| QUANTITY | U.M. | PRODUCT CODE | DESCRIPTION | TONS | TOTAL TONS | UNIT PRICE | AMOUNT |
| 1.00 | | LD 910105 | DUMP FEE CLEAN CONC SOLO | 1.00 | | 1.00 | |
| Gross 1.00 | | Tare 1.00 | | Net 0.00 | | | |
| DRIVER | | TRUCK NO.
TMP0462 | ORDERED BY | REMIT PAYMENT TO
9125 10th AVE. S.
SEATTLE, WA 98108
TERMS ON REVERSE | | SUB-TOTAL | |
| DISPATCHER | | TAX CODE
WA | TIME DUE
1 15:07 | | | SALES TAX | |
| RELEASE — CUSTOMER RELEASES AND AGREES TO HOLD HARMLESS KANGLEY ROCK & RECYCLING, A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC. FOR ANY DAMAGE TO HIS REAL OR PERSONAL PROPERTY CAUSED BY DELIVERY OF MATERIALS LISTED ABOVE. DETAILS ON REVERSE. | | | | | | BALANCE FORWARD | |
| CUSTOMER SIGNATURE | | | | | | TOTAL AMOUNT | |
| PRINT NAME <u>Barney Cochran</u> | | | | | | DATE <u>9-18-2019</u> | |

REV 04-2009

CUSTOMER COPY

10 Y. N
40 Y. 10
50 →

~ Concrete Estimate Form ~
Valid for 30 days

Washington State License Lic: #LUCASCL911KQ


John

Lucas Construction LLC
"Standard to a complex concept"™
10%

Date: 10/21/19

Legal Full Name: Duane Bartel
Residence: 327 S Kenyon ST Seattle, WA 98108
Home/Office #: _____
Cell/Contact #: 206-321-5565
E-mail: Duane@adventures2296.comcast.net

| FORM (B) | CONSTRUCTION ITEM | LABOR | MATERIAL | TONS UNITS | TOTAL |
|--|--|----------|----------|------------|-------------|
| 01000 | General Conditions | | | | |
| 2 | <input checked="" type="checkbox"/> Layout - Prep: Using SPECTRA LASER (LL300 N) | Included | N/A | | \$00.00 |
| 3 | <input checked="" type="checkbox"/> Clean up after job completion in the project jurisdiction | Included | N/A | | \$00.00 |
| 4 | <input type="checkbox"/> City Permit, <input type="checkbox"/> EPA, <input checked="" type="checkbox"/> 811, <input type="checkbox"/> Others. | Included | N/A | | \$00.00 |
| 5 | <input type="checkbox"/> Haul Refuse /Hazard: If any and required | N/A | N/A | | \$00.00 |
| 6 | <input checked="" type="checkbox"/> Dump Includes: All materials required to complete the job. | | | | \$ |
| 7 | <input checked="" type="checkbox"/> Site Demolition Includes: Soil, Concrete, asphalt, soil, and others. | | | | \$ |
| 8 | <input checked="" type="checkbox"/> Special Barricades/Partitions: For street and all others. | | | | \$ |
| 9 | <input type="checkbox"/> Architectural/Engineer Design, <input type="checkbox"/> 3D Design, <input type="checkbox"/> Others. | | | | \$ |
| 10 | <input checked="" type="checkbox"/> Construction Estimate Fees/FREE 1 Hour consultation and estimate | | | | \$ |
| 11 | <input checked="" type="checkbox"/> Equipment: Excavator, Compactor, Concrete Saw, Pump/Boom TP | | | | \$ |
| 02000 | Concrete: Smooth F 16.5 SPCY Mix | | | | \$16,850 |
| 13 | <input checked="" type="checkbox"/> Remove existing shipped worn out concrete, asphalt, others if any and then, replace with required Cement Mix Per Cubic Yard or higher PSI, A). 4-5,000 | | | | \$ |
| 14 | <input type="checkbox"/> Driveway, <input type="checkbox"/> Walkway, <input type="checkbox"/> Back Patio, <input type="checkbox"/> Pool Deck, <input checked="" type="checkbox"/> Others: Commercial inside Building | | | | \$ |
| 15 | <input type="checkbox"/> Existing, <input type="checkbox"/> New, <input type="checkbox"/> Addition, <input type="checkbox"/> Others. | | | | \$ |
| 16 | <input checked="" type="checkbox"/> #3 " Rebar Reinforcement, 1 G.M.B. | | | | \$ |
| 17 | <input type="checkbox"/> Steps: <input type="checkbox"/> In, <input type="checkbox"/> Out, <input type="checkbox"/> Round, <input type="checkbox"/> Standard, <input type="checkbox"/> N/A. | | | | \$ |
| 18 | <input type="checkbox"/> Temp Power Lighting (low voltage) (12V), <input type="checkbox"/> LED. | | | | \$ |
| 19 | <input type="checkbox"/> Drainage corrugated and coiled Land pipe 4" minimum. | | | | \$ |
| 20 | <input type="checkbox"/> Concrete Gutter channel to prevent garage flooding. | | | | \$ |
| 21 | <input type="checkbox"/> PT Concrete for commercial and Industrial decks | | | | \$ |
| 22 | <input type="checkbox"/> Conduit, placed in area desired for lighting wired. | | | | \$ |
| 23 | <input checked="" type="checkbox"/> Concrete Curb: Cutting Edge | | | | \$2,950 |
| 24 | <input type="checkbox"/> Impervious Concrete: | | | | \$ |
| 25 | <input checked="" type="checkbox"/> Gravel Options: 6M plastic Brand | | | | \$ |
| 26 | <input type="checkbox"/> Decorative Concrete borders: | | | | \$ |
| 27 | <input checked="" type="checkbox"/> Foundation and Walls: Asphalt, Modified B 35 Beter compactor | | | | \$ |
| 28 | <input type="checkbox"/> Accessories: Epoxy Formula bond, bits and all others | | | | \$ |
| 29 | <input type="checkbox"/> Snap Ties, <input type="checkbox"/> Foundation Clips, <input type="checkbox"/> Castle Chairs, <input type="checkbox"/> Others | | | | \$ |
| 30 | <input type="checkbox"/> Foundation Panels: | | | | \$ |
| NOTE: | It is subject to the drawing, specification, and agreement form. | | | | \$ |
| Acceptance of Proposal - The amount was written, specifications, conditions are satisfactory and are hereby accepted. Owner (s) authorized to do the work as specified. Payment will be made outlined above specified in sections with the grand total right side for this particular project. | | | | | |
| Customer Legal Name: <u>Duane M. Bartel</u> | | | | | |
| Customer Approval Signature: <u>Duane M. Bartel</u> | | | | | |
| Authorized Agent Signature: <u>[Signature]</u> | | | | | |
| NOTE: THIS AGREEMENT SHALL NOT BECOME EFFECTIVE OR BINDING ON CONTRACTOR UNTIL CONTRACTOR'S AUTHORIZED AGENT AND PRUCHASER HAVE SIGNED IT. Please write your job number on your check or money order and make payable to: Lucas Construction LLC | | | | | |
| ADDRESS: 1092 ASH AVE MARYSVILLE, WA 98270 EMAIL: lucasconstructionllc1@gmail.com | | | | | |
| John L, Cell:(425) 244 - 2769 Social Media: @lucasconstructionllc1 | | | | | |
| Sub-Total All Categories | | | | | \$23,450 |
| Mark Up 10% | | | | | \$ |
| Military, Senior, Discount (OFF) | | | | | \$ |
| Sub-Total Construction Cost | | | | | \$19,800 DB |
| Washington State Sale Tax 10.1 % | | | | | \$2,368.45 |
| Contingency 10% | | | | | \$ |
| Total Construction Estimate | | | | | \$22,168.45 |
| DB #21,799.89 | | | | | |



Seattle Dept of Transportation
Street Use Permits, 23rd Floor
700 Fifth Ave, Suite 2300
P O Box 34996
Seattle, WA 98124-4996

STREET USE PERMIT

Permit No.: 413810

☐ Inspector Copy
 ☒ Permittee Copy
 ☐ File Copy

Project ID:
IMPACT Project ID: ex
Estimated Project Completion Date: 12/13/2019

LOCATION

Address: 327 S KENYON ST

High Impact Area: N

Details: S KENYON ST BETWEEN DEAD END 1 AND 5TH E AVE S

Inspector: Lorin Rafferty

Inspection District: DUWAMISH

Application Date: 11/27/19 11:56 am

Issue Date: 11/27/19 12:23 pm

PARTIES (* Primary Applicant)

| Role | Name | Address | Phone | From | To |
|------------------|-------------------|---|---------------|------|----|
| *24 Hour Contact | BARTEL, DUANE | 1313 WASHINGTON ST., SUMNER, WA, 98390 | (206)321-5565 | | |
| Permittee | TENOR COMPANY LLC | 1313 WASHINGTON ST., SUMNER, WA, 98390- | (206)321-5565 | | |

PERMITTED USES

To Be Restored By: PERMITTEE

S KENYON ST BETWEEN DEAD END 1 AND 5TH E AVE S - NON-ARTERIAL

Use 511 Space A - Preparatory or exploratory work for upcoming projects, including surveying, installing monitoring wells, and soil sampling

Condition Description

Start Date 12/05/2019 - TRAVEL LANE PART CLOSED MAINTAIN LOCAL ACCESS

| Start Date | Duration | End Date | Sq. Ft | Issue Date | Ext. | Side of Street | Location Type | Closure Type | Peak Work OK | Day or Time Rstrctns |
|------------|----------|------------|--------|------------|------|----------------|---------------|--------------------------------|--------------|----------------------|
| 12/05/2019 | 30 | 03/04/2020 | 1,000 | 11/27/2019 | N | SOUTH | TRAVEL LANE | PARTIALLY CLOSED AND ACCESSIBL | | |

CONDITIONS OF USE

DESCRIPTION OF WORK :

Additional Notes: Scope: 51i monitoring wells PVMT TY: AC

MOBILITY IMPACT PARTIAL STREET CLOSURE LES THAN 6 HOURS AT TIME 3 WELLS APPLICANT WILL DIVERT TRAFFIC TO HIS OWN PARKING THROUGH, I CAN NOT ADVISE ACTIVITIES ON PRIVATE PROPERTY.

Cust Desc: Drill three (3) soil borings within city street. (See attachment). One soil boring to be completed with a permanently installed groundwater monitoring well.

E1.15 :
MULCHING AND MATTING - Apply mulch to protect exposed soils and promote plant establishment.

E1.40 :
PERMANENT SEEDING AND PLANTING - Install temporary surface runoff control measures prior to seeding or planting to protect the surface from erosion until the vegetation is established. Establish permanent vegetation (e.g., grasses, legumes, trees, and shrubs) as rapidly as possible to prevent soil erosion by wind or water.

E1.45 :
SODDING - Establish permanent turf for immediate erosion protection or to stabilize drainage pathways where concentrated overland flow will occur.

E1.50 :
SOILING - Preserve and use topsoil to enhance final site stabilization with vegetation and to provide a suitable growth medium for final site stabilization vegetation.

E3.25 :
STORM DRAIN INLET PROTECTION - Install storm drain covers on stormwater structures less than 12 inches deep during construction. Install catch basin filter socks in stormwater structures greater than 12 inches deep. Place the storm drain or catch basin grate on top of the catch basin filter sock to hold it in place.

Printed: 12:24:01PM
Wednesday, November 27, 2019
Page 1 of 6



Seattle Dept of Transportation
Street Use Permits, 23rd Floor
700 Fifth Ave, Suite 2300
P O Box 34996
Seattle, WA 98124-4996

STREET USE PERMIT

Permit No.: 413810

Project ID:

IMPACT Project ID: ex

Estimated Project Completion Date: 12/13/2019

C1.20 :

USE OF CHEMICALS DURING CONSTRUCTION - Use only the recommended amounts of chemical materials and apply them in a proper manner. Neutralize the pH of concrete wash water from concrete mixers, if necessary.

C1.35 :

SAWCUTTING AND PAVING POLLUTION PREVENTION - Vacuum slurry and cuttings during the activity to prevent migration offsite and do not leave slurry and cuttings on permanent concrete or asphalt paving overnight. Dispose of collected slurry and cuttings, waste material, and demolition debris in a manner that does not violate groundwater or surface water quality standards. Implement preventative measures such as berms, barriers, secondary containment, and vector trucks if observations indicate that a violation of water quality standards could occur.

C1.45 :

SOLID WASTE HANDLING AND DISPOSAL - Remove and dispose of accumulated solid waste at authorized disposal areas. Label waste containers and place them in a covered area with closed lids. Salvage and recycle any useful materials.

BMP5 :

SPILL PREVENTION AND CLEANUP - Keep a spill cleanup kit in a nearby vehicle or next to the work site so that it is easily accessible. Make sure the contents of the spill kit are appropriate for the types and quantities of materials used for this work task. Refill spill kit materials before beginning work.

BMP16 :

CONCRETE POURING, CONCRETE/ASPHALT CUTTING, AND ASPHALT APPLICATION - Sweep or shovel loose aggregate chunks and dust for recycling or proper disposal. Place storm drain covers or similarly effective containment devices over all storm drains located downslope or adjacent to the work area. Shovel or vacuum all slurry and remove from the site. Perform cleaning of concrete application and mixing equipment or concrete-delivery vehicles in a designated area where the rinse water is controlled.

BMP20 :

LANDSCAPING AND LAWN VEGETATION MANAGEMENT - Use proper fertilizer and herbicide application techniques to minimize nutrient pollution of stormwater. Implement proper landscaping and mulching techniques to prevent plant material and excess mulch from entering the separate storm drainage system. Do not dispose of collected vegetation in separate storm drainage systems, waterways, water bodies or greenbelt areas.

DAMAGED OR DESTROYED UTILITY :

SDOT makes no representation regarding the safety or integrity of the subject structure. If the structure is damaged or destroyed, SDOT will have no obligation to provide an alternative location for the permit utility.

PED MOBILITY COORDINATION :

PEDESTRIAN MOBILITY COORDINATION: One sidewalk at this location must remain open for safe pedestrian passage at all times. Prior to the beginning of any construction, this permit requires: Contractor will coordinate with existing permit holders to coordinate construction impacts on this street segment. Contractor must ensure that one sidewalk or temporary pedestrian pathway remain open at all times to provide for safe pedestrian passage. SDOT reserves the right to require documentation confirming coordination on future permit requests or extensions when deemed necessary. Permittee is required to notify the district Street Use inspector to ensure all required inspections are scheduled.

RIGHTS - ALREADY APV CONTRACTOR :

RIGHTS TO OTHER CONTRACTORS ALREADY APPROVED FOR WORK: The scope of work listed in this permit is approved for the scheduled dates only. SDOT recognizes that construction coordination may be required to allow other contractors with existing approved permits priority in conducting work in the right of way where potential construction conflicts may occur. If, in any given area, the work allowed under this permit conflicts with other area work where contractors demonstrate an existing approved permit, the permittee must move to another location. Permittee is required to notify district Street Use inspector regarding conflicts and any work that is rescheduled due to conflicts. Work that is rescheduled may require an extension or revision to the Street Use permit.

TREE TRUNK OR ROOTS :

Contact the City Arborist Office (684-8733) a minimum of five working-days prior to digging within any landscaped areas in the street rights-of-way. The edge of all trenching must be at least five feet (5') from any street trees. When trenching near trees with trunks greater than twelve inches (12") in diameter, hand dig all trenching for a distance of ten feet (10'), measured five feet (5') radius from the tree trunk. When encountering tree roots, cut off cleanly with sharp saw (do not leave torn or ripped tree roots unattended). Do not cut roots greater than two inches (2") in diameter (contractor will have to hand tunnel underneath the roots). Do not paint ends of roots. Notify Landscape Maintenance at 684-4121 at least forty eight (48) hours in advance when working in landscaped areas or on trees.

WALKWAY FOR PEDS :

Maintain a four-foot (4') wide walkway for pedestrians through or around the work areas. Permittee shall contact all businesses and residents who may be affected by the work to be done under this permit at least one week before starting any construction activity in the street rights-of-way. Permittee must coordinate this work with any other contractors working near its construction zone to avoid conflicts. Access to all businesses shall be maintained during construction. All driveways will be cleared and accessible at the end of every work day.

FEES PAID AT THE COUNTER OR ONLINE

| Description | Date | Amount |
|----------------------------|------------|-----------------|
| ISSUANCE FEE - SIGNIFICANT | 11/27/2019 | \$324.00 |
| Totals: | | \$324.00 |

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Seattle Dept of Transportation
Street Use Permits, 23rd Floor
700 Fifth Ave, Suite 2300
P O Box 34996
Seattle, WA 98124-4996

STREET USE PERMIT

Permit No.: 413810

Project ID:

IMPACT Project ID: ex

Estimated Project Completion Date: 12/13/2019

STREET USE INSPECTOR

Lorin Rafferty (206) 450-0789

Permittee

Director Per

GENERAL REQUIREMENTS

1. **Nature of permit.** This permit is issued according to Seattle Municipal Code ("SMC"), Chapter 15.04, for the use or occupancy of the public right of way in a manner consistent with the terms and conditions in this permit. This permit is wholly of a temporary nature, vests no permanent rights, and is revocable according to SMC Section 15.04.070.
2. **Acceptance of terms, conditions, and requirements.** The Permittee accepts the terms, conditions, and requirements of this permit and agrees to comply with them to the satisfaction of the Seattle Department of Transportation, Street Use Division ("Street Use"), or such other agency as may be designated by the City. The Permittee further agrees to comply with all applicable City ordinances, including but not limited to SMC Title 15, and all applicable state and federal laws.
3. **Copy of permit.** A copy of the issued permit and current approved plans shall be on site and available at all times.
4. **Expiration of permit.** This permit shall remain valid until revoked according to SMC Section 15.04.070; provided that the permit shall expire automatically if the authorized work does not begin within six months from the date the permit is issued. The Permittee is responsible for keeping the permit up to date including submitting updated plans for approval. The Permittee shall submit requests to update a permit in writing or in person, and all requests shall be made to Street Use in a timely manner; otherwise, the Permittee may lose access to requested schedule for continued work in the right of way.
5. **Superiority of Street Improvement Permits.** When a Street Improvement Permit exists, rights acquired under the Street Improvement Permit supersede those acquired under any other Street Use or Utility Permits. Work not approved under the Street Improvement Permit shall require separate Street Use or Utility Permits and Permittee shall obtain these permits in advance of work.
6. **Compliance with technical requirements and standards.** All work within the public right of way shall be performed and completed according to the current or subsequently-amended requirements in the following technical documents published by the City: Right-of-Way Improvements Manual; Street Tree Manual; Standard Specifications for Road, Bridge and Municipal Construction; Standard Plans for Municipal Construction; Right of Way Opening and Restoration Rule; and Traffic Control Manual for In-Street Work.
7. **Scope of work.** The Permittee shall stage equipment or materials and construct or install the improvements and infrastructure reflected in and in accordance with this permit and the City-approved construction plans. Any revisions, omissions, or additions to the scope of work shall be reviewed and approved by the City before implementation.
8. **Street Use notification.** Construction work may be completed in several phases: site preparation (installing traffic control, saw-cutting, etc.); ground breaking; restoration; and staging of equipment and materials. Before beginning any phase of work in the public right of way, the Permittee shall notify Street Use of each start date. The Permittee shall be responsible for notifying Street Use Job Start at (206-684-5270) or SDOTJobStart@seattle.gov a minimum of 2-business days before starting work and shall provide the following information:
 - Permit number;
 - Job-site address;
 - Start date: please specify if Job Start date is the same as the excavation or ground breaking date. If the dates are different, please provide both dates;
 - Brief work description; and
 - Job-site contact name and phone number.

Failure to notify Street Use Job Start shall result in a \$300 penalty or other amounts according to SMC Section 15.04.074. For Street Improvement Permits and Utility Major Permits, a preconstruction meeting is required before starting construction, and the assigned inspector shall be notified a minimum of 2-business days before required inspections. Construction or utility activity occurring with, but not approved under, a Street Improvement or Utility Major Permit shall be permitted under separate Street Use permits. The Permittee shall apply for and obtain these Street Use permits in advance of work. Failure to do so may subject the Permittee to penalties and additional permit review charges may apply.
9. **Underground and overhead utility notification.** The Permittee shall notify the following entities, as applicable, 2-business days in advance:
 - Utility Underground Locate Center (811 or 1-800-424-5555) before ground disturbance; and
 - Seattle City Light (206-684-4911) if working within 10 feet of high-voltage lines.

submitted by phone @ 10:02 12/6/19
10. **Olympic Pipe Line Company notification.** When work in the right of way occurs within 100 feet of an Olympic Pipe Line Company ("OPLC") pipeline, the Permittee shall coordinate the work with OPLC, which may include submitting detailed construction plans to OPLC. The Permittee shall notify OPLC's field coordinator 10-business days in advance of the work (425-981-2506) and an OPLC representative may be required to be onsite during the work.
11. **King County Metro notification.** The contractor shall notify King County Metro Transit in advance of any construction that may disrupt transit service according to the following schedule.
 - Five working days notice for any work requiring a temporary bus stop.
 - Ten working days notice for relocation of a bus shelter or reroute of bus service.
 - King County Metro Transit's electric storage battery Trolley Buses can be activated for weekend outage requires with 15 working days notification. Subject to vehicle and staff support capacity restrictions.

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STREET USE PERMIT

Permit No.: 413810

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Estimated Project Completion Date: 12/13/2019

- No two consecutive transit stops may be closed
If trolley wires are present, call 206-477-1150 or email trolley.impacts@kingcounty.gov
If trolley wires are not present, call 206-477-1140 or email construction.coord@kingcounty.gov

Public notification. Notification requirements shall comply with following:

- For ROW Management and Major permits on non-arterial streets and Public Space Management Short-term Activity permits, the permittee shall hand deliver and/or mail a project notification to adjacent residents and businesses at least 2 business days prior to beginning right of way work or activity
- For ROW Management and Major permits on arterial streets in an Urban Center or Urban Village, the permittee shall hand deliver and/or mail a project notification to all potentially affected residents and businesses within a 2-block radius and community organizations at least 10 business days prior to beginning right of way work or activity, including alleys. For multi-family housing units, notifications must be mailed or emailed to each individual unit, posted predominantly in the building common areas and/or distributed to each individual unit by the building manager/owner.
 - For projects longer than 6 months in duration, the permittee shall a project notification must be delivered monthly and provide an on-site project notice
 - If there is any change of right of way use at any point in the project, an updated project notification must be provided at least 10 business days prior to beginning right of way work or activity
- The project notification shall include the following:
 - The name, address, and description of the project
 - The duration of the project, with beginning and end dates listed
 - Permittee 24-hour contact information (name, phone number, and email)
 - List of right of way closures with dates, duration, and hours of closures
 - For projects longer than 6 months in duration, the right of way closures shall be represented in a visual map
 - SDCI and SDOT permit numbers
 - If available, a link to the project website
- ✕ For projects longer than 6 months in duration, an on-site project information notice shall be posted and maintained at each closure that is visible to the public that shall include the following:
 - The name, address, description, and duration of the project
 - Permittee 24-hour contact information (name, phone number, and email)
 - List of right of way closures with dates, duration, and hours of closures
 - SDCI and SDOT permit numbers
 - A reference to 684-ROAD for residents to report safety or mobility concerns
 - If available, a link to the project website
- ✕ For crosswalk closures longer than two weeks in duration, a crosswalk closure notice must be posted to, and maintained, on each crosswalk closure barricade and include the following:
 - The name and address of the project
 - Permittee 24-hour contact information (name, phone number, and email)
 - The duration and hours of the closure
 - A reference to 684-ROAD for residents to report safety or mobility concerns
 - If available, a link to the project website
- ✕ If the project requires a closure of any portion of an alleyway, the permittee shall notify all impacted residents and businesses at least 10 business days prior to work in the alleyway and coordinate closure dates and times with the following agencies:
 - Seattle Public Utilities: Sally Hulsman (206-684-4682 or sally.hulsman@seattle.gov) and Mike Mannery (206-684-9271 or mike.mannery@seattle.gov)
 - Seattle Fire Department Special Events Division at 206-386-1450 (this division will provide coordination information for the local fire station)
- If the project will close or reduce down to one general purpose lane an arterial street in the Central Business District, the permittee shall notify King County Metro (construction.coord@kingcounty.gov) and the SDOT Transportation Operations Center (construction.coordination@seattle.gov) at least 10 business days prior to beginning work in the public right of way and coordinate closure dates and times with the following agencies:
 - Seattle Fire Department Special Events Division at 206-386-1450 (this division will provide coordination information for the local fire station)
 - Seattle Police Department Non-Emergency Division at 206-625-5011 or SPDdispatch@seattle.gov
- If the project is working outside of approved hours due to an emergency event that will impact public health and safety, the contractor must notify the Street Use inspector, inspector lead, and the Transportation Operations Center at TOC@seattle.gov as soon as the issue has been identified
- If a tree has been approved for removal, the permittee shall post a "tree removal" public-notice placard at least 10-business days prior to beginning work
- If an SDOT public notice comment period is required prior to permitting, the permittee shall conduct the public notice outreach prior to

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- commencement of the SDOT public notice comment period. The comment period will occur as part of the SDOT review process.
12. **Alley notification.** Where this permit authorizes work in an alley, the Permittee shall notify all potentially impacted property owners and businesses prior to any activity occurring in the alley, including and especially those property owners and businesses with tenants using the alley to access parking or for building ingress/egress or deliveries. The Permittee shall schedule work around waste-management-collection days. If this is not possible, the Permittee shall coordinate with waste management services to either provide intermittent alley access during waste pickup or to temporarily establish waste pickup at an alternate location. If an alley is to remain open during permitted work, a minimum 11-foot clear width is required for vehicular access. If an alley is closed to through traffic, the Permittee shall notify the nearest Seattle Fire Department fire station and the Seattle Police Department at the non-emergency numbers prior to commencing work.
 13. **Coordination of work.** In performing work authorized by this permit, the Permittee shall coordinate with other contractors, public agencies and other permittees working in the public right of way to minimize impact to the public. Documented coordination agreements may be required prior to permit issuance and additional notification to the public may be required.
 14. **Hours of work.** Work performed in the public right of way shall occur only during hours authorized under all applicable codes, regulations, rules, and permits.
 15. **Off-hours work.** Work outside of normal working hours, 8:00 AM - 5:00 PM Monday through Friday, is considered "off-hours work" and requires a minimum of 3-business days advanced notice to the Street Use Inspection Supervisor before the off-hours work commences. Off-hours work may also require a separately-approved traffic control plan. A minimum of two hours of inspection time shall be charged for off-hours inspections at the premium rate. A Stop Work order or Citation may be issued for failing to notify Street Use at least 3-business days before the off-hours work.
 16. **Inspection fees.** The Permittee shall pay for City inspections of work authorized under this permit according to the current fee schedule established by SMC Section 15.04.074 and all other associated costs.
 17. **Billing.** All fees and costs billed according to this permit shall be paid to the City of Seattle within 30-calendar days from the invoice date. Past due invoices may be subject to interest charges and may be sent to collections.
 19. **Deposits, charges, and future billings.** The Permittee, also identified as the "Financially Responsible Party" on Street Use permit applications, is responsible and liable for all permit-related charges. If a deposit was made for estimated future Street Use services, any unused portion of the deposit shall be refunded to the Permittee. Any charges in excess of the deposit shall be billed to the Permittee on a monthly basis.
 - Corrective work.** The Permittee is responsible for any additional costs incurred by the City resulting from temporary or corrective measures required to bring the work area into compliance with standards that apply, including but not limited to: temporary traffic control, requirements for temporary structures, temporary stabilization, and temporary restoration when the Permittee is not on site.
 21. **Indemnification.** The Permittee agrees to defend, indemnify, and hold harmless the City of Seattle, its officials, officers, employees, and agents; against any liability, claims, causes of action, judgments, or expenses, including reasonable attorney fees; resulting directly or indirectly from any act or omission of the Permittee, its contractors, subcontractors, anyone directly or indirectly employed by them, and anyone for whose acts or omissions they may be liable; arising out of the Permittee's use or occupancy of the public right of way; and all loss by the failure of the Permittee to fully or adequately perform, in any respect, all authorizations or obligations under this Permit.
 22. **Insurance.** The Permittee shall obtain and maintain in full force and effect, at its own expense, public liability insurance in an amount sufficient to protect the City from all potential claims and risks of loss from perils in connection with any activity that may arise from or be related to the Permittee's activity upon or the use or occupation of the public right of way allowed by the permit; and all claims and risks in connection with activities performed by the Permittee by virtue of the permission granted by the permit. The Permittee shall meet all other insurance requirements in SMC 15.04.045.

EXISTING IMPROVEMENTS

1. **Costs of damage to City property and improvements.** The Permittee shall be responsible for the costs of repairing any damage to City property or improvements, including street trees, resulting from work performed by or on behalf of the Permittee within the public right of way. Damage to street trees is assessed on the value of the tree according to SMC subsection 15.90.018.B.
2. **Utility protection.** The Permittee shall be responsible for checking locations and providing adequate protection for all utilities in the work area.
3. **Utility relocation.** The Permittee shall be responsible for notifying affected utilities and requesting any necessary relocation.
4. **Survey monuments.** Before removing, destroying, disturbing, or covering a survey monument such that the survey point is no longer visible or readily accessible, the Permittee shall obtain a permit from the Department of Natural Resources according to Washington Administrative Code, Chapter 332-120.
5. **Protecting, removing, and relocating existing improvements.** In addition to General Requirements item 12, the Permittee, at their own cost and expense, shall be responsible for coordinating the removal and relocation of existing improvements within the public right of way that their construction or permitted project may interfere with. These existing improvements include, but are not limited to trees, bike racks, newsstands, bike-share stations, signs, benches, artwork, and waste receptacles.
 - For existing improvements, the Permittee shall contact the improvement owner at least 10-business days before starting work to coordinate the temporary removal of the improvement.
 - For newsstands, the Permittee shall coordinate temporary relocation during the construction period by posting notice of upcoming construction projects at SeattleNewsstands.org at least 10-business days before starting work.

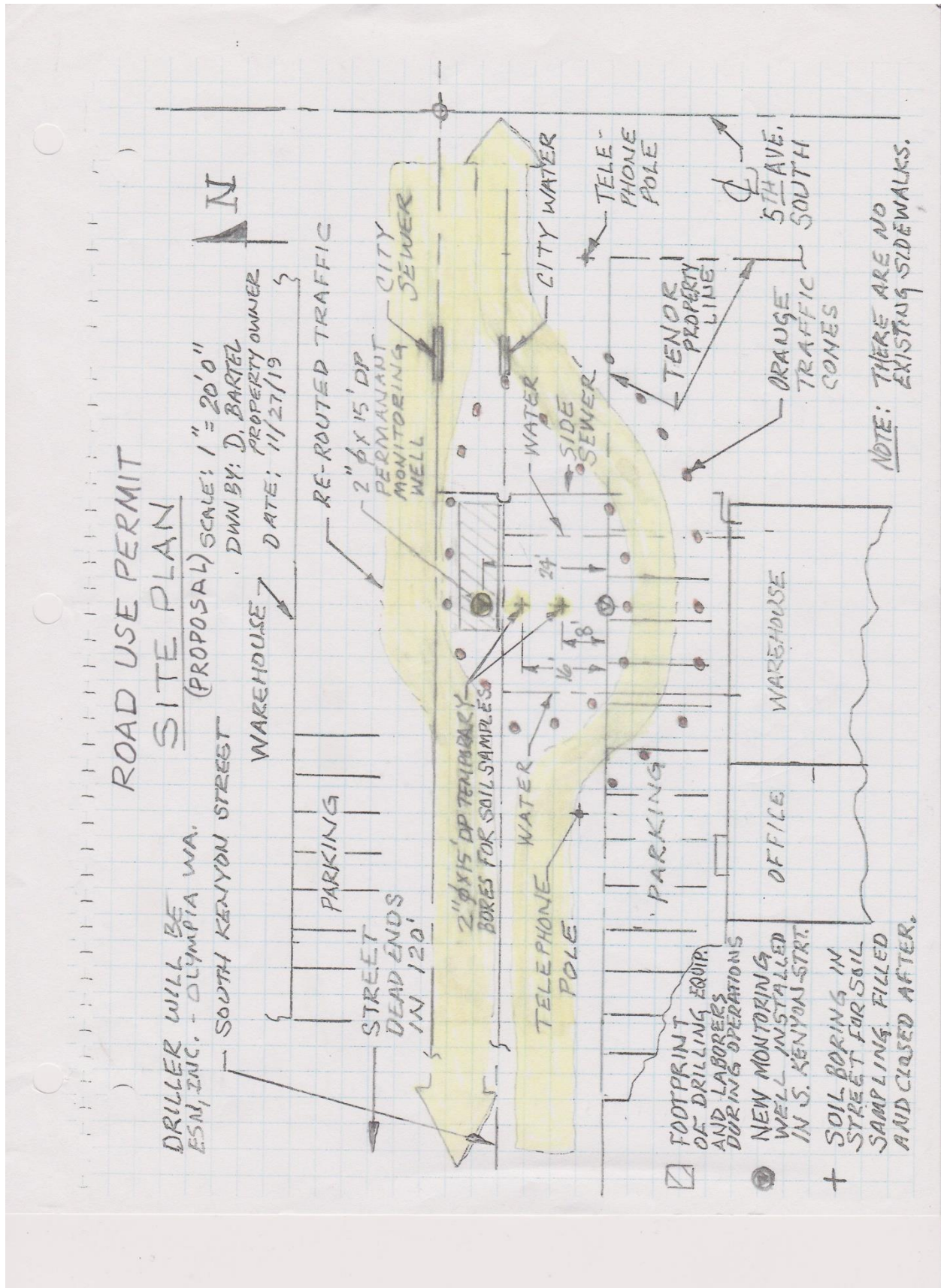
The Permittee shall be responsible for reinstalling the improvements or coordinating the reinstallation in their original location or at a reasonable alternative location approved by the existing improvement owner and meeting all applicable City requirements. The Permittee is further responsible for protecting all trees within the construction project area and shall contact Urban Forestry to disclose and describe any construction

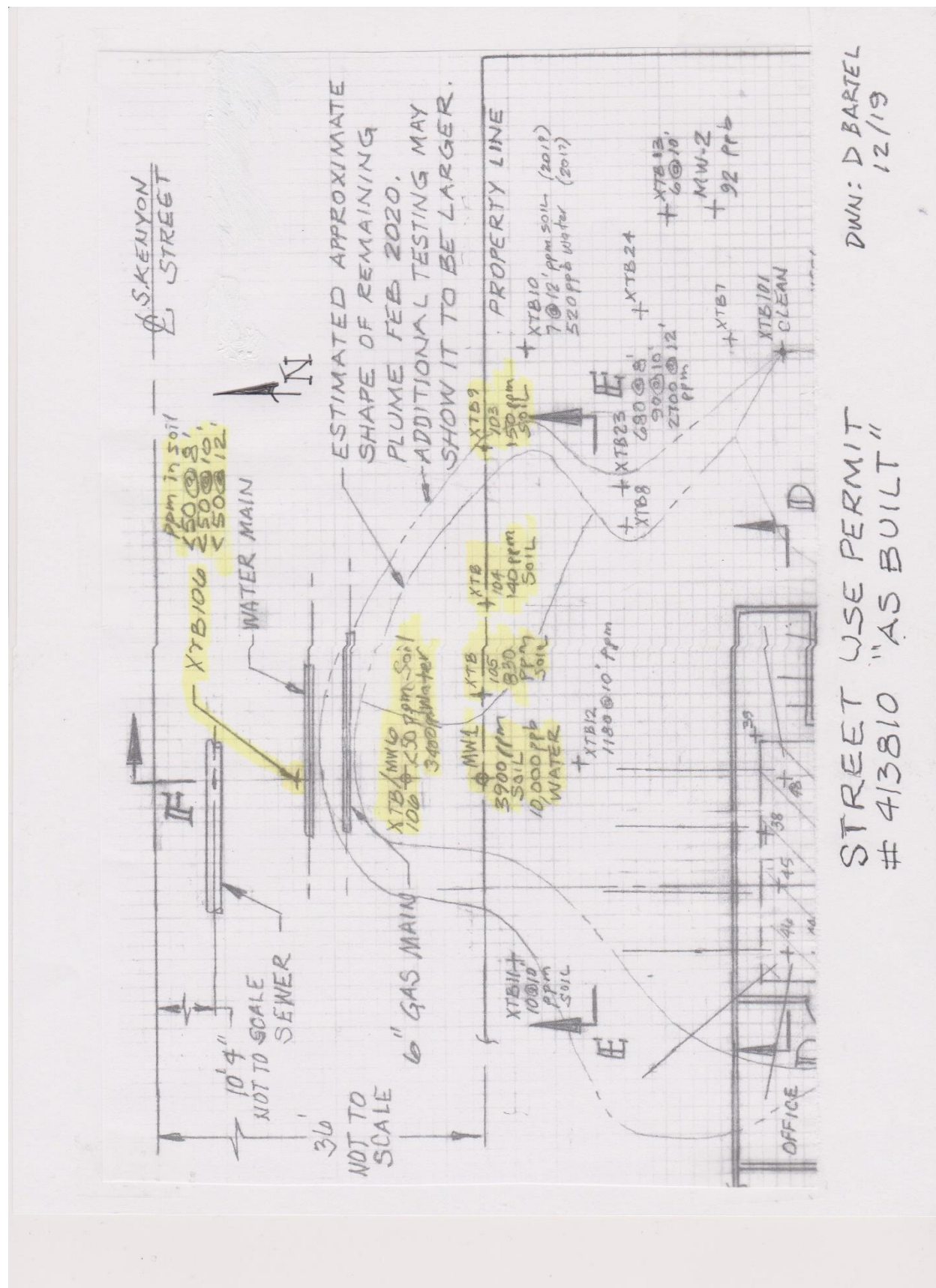
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STREET USE PERMIT

Permit No.: 413810

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impacts to trees.

Failure to contact the improvement owners or Urban Forestry is cause for Street Use to revoke this permit.

6. Monorail system proximity requirements. The Permittee shall be responsible for coordinating with the Seattle Center when any work, deliveries, or loading/unloading will occur within 14 feet of a Monorail structure or 20 feet of a Monorail foundation or below-ground installation. The Permittee shall contact the Seattle Center at 206-905-2601 at least 10-business days before starting construction. Failure to do so is cause for permit revocation.

7. Monorail system proximity guidelines. Below grade: The restricted digging area includes a 45-degree cone extending outward and downward from the ground level of all monorail piers. Nearby excavations shall be monitored to assure footing stability. At- or above-grade: The piers above ground level cannot be moved, nor can any item like lighting or signage be attached to the piers without prior written consent from the Seattle Center Director. Piers shall not be painted. Landscaping shall not occur adjacent to piers or within 10 feet of a Monorail structure without prior written consent of the Seattle Center Director. Any construction activity in the area of the power rails shall follow OSHA guidelines for working around high voltage. Construction equipment shall be located and operated in awareness of and taking account of beam height and the train's 14-foot-operational envelope from each side of the beam. Contractors shall string warning lines from pier to pier under the beams as a guide. Spotters shall be employed when any construction activity occurs within 25 feet of the beams.

ENVIRONMENTAL PROTECTION

1. Best management practices required. The Permittee shall be responsible for protecting the public place, including but not limited to protecting existing street trees and green stormwater infrastructure, and controlling surface runoff, erosion and sediment at the construction site, as required by: the Stormwater Code, (SMC Title 22, Subtitle VIII); the Street and Sidewalk Use Code, (SMC Title 15); the Standard Specifications for Road, Bridge, and Municipal Construction; and Department of Planning and Development Director's Rule 21-2015/Seattle Public Utilities DWW 200, or successor rules or provisions. The site and the surrounding area shall generally be kept clean and free of construction debris or other material, including but not limited to mud, dust, rock, asphalt, and concrete. Waste materials shall be collected and disposed of at an appropriate disposal site. These materials shall be prevented from entering any part of the public sewer and storm drain system, and any surface waters.

TRAFFIC CONTROL REQUIREMENTS

- 1. Compliance with the Traffic Control Manual for In-Street Work.** In order to provide safe and effective work areas and to ward, control, protect, and expedite vehicular and pedestrian traffic; signage for all construction within the public right of way shall comply with the City of Seattle Traffic Control Manual for In-Street Work, as amended. When required, the conditions on the traffic control plan shall supersede any conflicting provisions or requirements in the City of Seattle Traffic Control Manual for In-Street Work. A copy of the current City of Seattle Traffic Control Manual for In-Street Work and the approved traffic control plan shall be on site at all times.
- 2. Lanes to remain open during peak hours.** Traffic lanes shall not be closed during the following peak hours: 6:00 AM - 9:00 AM and 3:00 PM - 7:00 PM in the Central Business District; and 7:00 AM - 9:00 AM and 4:00 PM - 6:00 PM for arterials elsewhere in the City, unless specifically noted on the approved traffic control plan.
- 3. Maintain access.** Access to adjoining properties and businesses shall be maintained or accommodated during construction. Pedestrian access around construction sites shall be implemented and maintained per SDOT Director's Rule 10-2015, or successor rule.
- 4. Width of temporary traffic lanes.** Temporary traffic lanes created during the permitted work shall be a minimum of 11 feet in width unless otherwise approved on the traffic control plan.
- 5. Working within restricted curb spaces.** When the project impacts a restricted curb space, such as meters, pay stations, specific use and load zones; the Permittee shall obtain permission from SDOT Traffic Operations and reserve the spaces with the Traffic Operations Permit Counter (206-684-5086) before starting work.
- 6. Temporary No Parking signs and easels.** In areas without parking pay stations or parking meters, or when Traffic Operations allows reserved parking spaces to be controlled with Temporary No Parking signs, establishing a Temporary No Parking Zone requires placing type R7-T38 (T-38) or R7-T39 (T-39) easels and completing an online verification form in conformance with the Traffic Control Manual for In-Street Work. In high impact areas, the Central Business District, and in areas where construction projects are densely clustered (such as in City-designated "Construction Hubs"), additional requirements for establishing a Temporary No Parking Zone may apply.
- 7. Nighttime illumination.** Four or more Type B warning lights of sufficient brilliance to be seen from 500 feet shall be maintained at all times during the hours of darkness at the points of obstruction or excavation of any right of way.
- 8. Work in alleys.** For work occurring in alleys that impedes vehicular access, including but not limited to egress, ingress, or through travel; "Street Closed" signs shall be placed at each end of the alley. Property owners adjacent to the alley shall be contacted, and their access concerns shall be addressed and mitigated if possible. This may require alternative work scheduling in the case of Solid Waste collection days