

REMEDIAL ACTION PLAN AND SVE SYSTEM DESIGN REPORT

ONE HOUR MARTINIZING CLEANERS 6737 MILWAUKEE AVENUE WAUWATOSA, WI 53511 BRRTS# 02-41-551923

October 17, 2018

Prepared By:

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CERTIFICATIONS

I, Andrew Horwath, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Senior Engineer, Lic. No. E-43831-6

Signature, title and P.E. number



I, Wayne Fassbender, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Senior Project Manager

Signature and title

Date: October 17, 2018



EXECUTIVE SUMMARY

EnviroForensics, LLC (EnviroForensics) has prepared this Remedial Action Plan and SVE System Design Report (Report) on behalf of OHM Holdings, Inc. for the One Hour Martinizing Cleaners facility located at 6737 Milwaukee Avenue, Wauwatosa, Wisconsin (Site). Historic releases of the dry cleaning solvent tetrachloroethene (PCE) to the subsurface have occurred at the Site during its former operation as an active dry cleaning facility. Pure PCE product does not appear to have been released in significant quantities because concentrations of PCE are low and not indicative of pure PCE. In addition, very little natural degradation of PCE has occurred to produce daughter compounds such as trichloroethene, dichloroethene, or vinyl chloride. Residual PCE impacts in soil have not resulted in detectable concentrations in groundwater to date (the water table resides at depths of approximately between 48 and 52 feet below ground surface (bgs) across the Site and fluctuates approximately 1.0 to 1.5 feet seasonally). However, PCE vapors have accumulated beneath the Site building and an adjacent commercial building to the south in concentrations that pose a vapor intrusion risk.

Some active remediation is required to reduce contaminant concentrations to levels that will not continue to pose a vapor intrusion risk or a risk for groundwater impacts. Soil impacts targeted for remediation are located at depths up to 18-20 feet bgs and much of the contaminant mass is located beneath the dry cleaner building. Therefore, excavation of this material is not feasible. Site soil consists mainly of silty sand and gravel which is permeable and readily transmits soil vapor (as opposed to a clay or silt matrix), and is conducive to remediation by soil vapor extraction (SVE). SVE is a time-tested method and is a practical remedial method that can be utilized effectively at this Site. The primary objectives of SVE are to remove contaminant mass from soil and reduce the potential for vapor intrusion in the Site building and adjacent commercial structure.

The SVE system has been designed using the results of an SVE pilot study conducted in 2016. The system will consist of four (4) extraction wells connected to the SVE mechanical equipment via sub-grade piping. The system will be operated at the vacuum necessary to achieve the desired radius of influence (ROI). Operation and maintenance (O&M) activities for the SVE system will be conducted routinely to optimize system efficiency. Performance monitoring, including subsurface vacuum measurements and effluent sampling of PCE concentrations, will be performed to verify the ROI and calculate contaminant mass removal rates. The overall effectiveness of SVE will be evaluated by confirmation soil and soil vapor sampling.



A Construction Documentation Report will be prepared that documents as-built construction of the SVE system and the final O&M Plan for the SVE system. Semi-annual progress reports will be submitted to WDNR, as required, during remediation.



1.0 INTRODUCTION

EnviroForensics, LLC (EnviroForensics) has prepared this Remedial Action Plan and SVE System Design Report (Report) on behalf of OHM Holdings, Inc. (OHM) pertaining to construction of a soil vapor extraction (SVE) system at their property located at 6737 Milwaukee Avenue, Wauwatosa, Wisconsin (Site). The location of the Site is shown on **Figure 1**. The goal of the SVE system is to achieve reduction of unsaturated soil impacts that are currently producing tetrachloroethene (PCE) vapors which pose a risk of intrusion to the Site building and nearby commercial structure. This Report follows guidelines for remedial action design set forth in Wisconsin Administrative Code (WAC) Chapter NR 724 rule and other associated State of Wisconsin Chapter NR 700 series rules. The design criteria for the SVE system, including engineering plans and specifications, is provided in this Report.

This Report follows submittal of the Site Investigation Report, dated January 19, 2016, with approval and conditions by the Wisconsin Department of Natural Resources (WDNR) on February 27, 2018. The conditions included a request by the WDNR for additional on-site and off-site investigations to determine the extents of residual PCE impacts. During meeting discussions with the WDNR held on May 17, 2018, it was agreed that these investigations would be completed following remedial actions. The intent to sample soil after remedial actions was confirmed in a letter to the WDNR dated June 28, 2018.

A request to re-enter the Dry Cleaner Environmental Response Fund (DERF) reimbursement program for funding of the remedial actions, along with a request for variance from the consultant bidding process, was approved by the WDNR on June 11, 2018.

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2.0 SITE BACKGROUND

Site investigation activities began at the Site by Giles Engineering & Associates, Inc. (Giles Engineering) in 2008. EnviroForensics assumed management of investigation activities in 2009 with completion of a Site Investigation Report in 2016, and soil vapor extraction remedial pilot testing completed in 2017. This section describes the Site and presents a brief history.

2.1 Geographic Information

The layout of the Site, including Site features, and the surrounding area, is depicted on **Figure 2**. The Site is improved with a slab-on-grade, one story building and asphalt/concrete parking and driveway areas. There are no surface water features or private wells on the Site. The Site is bound by Milwaukee Avenue to the north; North 68th Street to the west; a commercial property (1536 N. 68th Street) to the south; and a residential property (6721 Milwaukee Avenue) to the east. The adjacent commercial property to the south is currently occupied as office space for an accounting firm. The surrounding area consists of a mix of residential and commercial properties.

2.2 Site History

The Site operated as a gasoline service station from at least 1927 up to the late 1970's or early 1980's. The property was purchased as a vacant gasoline service station by OHM in 1982. The underground gasoline storage tanks were removed by the previous owners. An underground heating oil tank was removed from the Site in 1997 under the current ownership.

OHM operated the Site as an active dry cleaning facility beginning in 1982. The former dry cleaning machine was located on the eastern portion of the building and is no longer present. PCE was the main dry cleaning solvent used in the cleaning process until its use was discontinued at this facility in 2009. Since 2009, the site has been a drop-off location for clothes cleaned at a central facility. OHM discontinued the use of PCE in their dry cleaning process in January of 2014, in favor of a more environmentally friendly solvent.

In 2008, during initial discovery investigations performed by Giles Engineering, PCE was detected in subsurface soil indicating that a release of PCE had occurred at the Site sometime in the past. The amount of chemical released, the duration of the release, and the specific release areas or locations are unknown, but the source areas are below the building foundation near the



old dry cleaning machine, and also outside the building near a storage shed. This would indicate that floor spills occurred inside the building that may have entered the subsurface through the joint between the floor slab and outside wall, or into a floor drain which may have leaked. The soil impacts near the storage shed were likely caused by spillage. It is not known whether these incidental releases were of fresh or waste product.

2.3 Hydrogeologic Setting

The Site lithology is comprised of poorly sorted glacially deposited till generally consisting of silty, clayey, sand and gravel with interspersed and discontinuous lenses of silty clay and sandy clay, which are typically between 1-2 feet thick. Coarser material consisting of sand and gravel with varying amounts of silt and clay appear to be predominant. A 10-feet thick clay layer is encountered just above the water table at a depth of between 45 to 55 feet. The surface of the water table as measured in monitoring wells exists at depths of between 48 to 52 feet below ground surface (bgs) on Site and fluctuates between 1.0-1.5 feet seasonally. The direction of groundwater flow is consistently toward the northeast.

2.4 Subsurface Impacts

The extent of soil impacts is shown on **Figure 3**, and the extent of soil vapor impacts is shown on **Figure 4**. PCE is the primary compound detected with only minimal detections of compounds associated with the natural degradation of PCE. No chlorinated volatile organic compounds (CVOCs) were detected in groundwater during the course of Site investigations; therefore, proposed remedial actions are not targeting groundwater.

As seen on **Figure 3**, a primary source area for PCE soil contamination was identified underneath the east side of the OHM building, where the dry cleaning machine was formerly located. Up to 510 micrograms per kilogram (μ g/kg) of PCE were detected at that location, diminishing with depth. A secondary location of PCE-impacted soil was identified on the southeast portion of the Site, adjacent to a storage shed. Up to 530 μ g/kg of PCE were detected at this location, again diminishing with depth.

Soil contaminant concentrations were compared to WDNR Residual Contaminant Levels (RCL), which are based on the United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSL). At many locations, the concentrations exceed the RCL established for protection of groundwater; however, none of the PCE concentrations in the shallow soil



exceeded the RCLs for direct contact in either residential or non-residential settings. Potable water is supplied to the City of Wauwatosa from Lake Michigan.

As can be seen on **Figure 4**, CVOC vapors have accumulated beneath the Site building (slab on grade) and adjacent commercial building to the south (basement slab) in concentrations that exceed the Vapor Risk Screening Levels (VRSLs) for non-residential settings. Sub-slab vapor samples collected at SSV-2 in the Site building contained PCE at up to 20,600 micrograms per cubic meter (μ g/m³), and the northwest corner of the basement in the commercial property to the south contained PCE at up to 12,400 μ g/m³. In addition, indoor air samples collected from the Site building contained PCE above the non-residential Vapor Action Level. At the time of indoor air sampling, solutions containing CVOCs were being used in the building to remove stubborn stains from dry cleaned clothes and the old dry cleaning machine was still within the building. A field screening of vapors using a photoionization detector (PID) was performed at that time. The PID readings indicated elevated volatile organic compound readings near the unused dry cleaning machine. Since the last indoor air sampling event, the deactivated dry cleaning machine has been removed.

Additional subsurface data was collected in August of 2018 from the adjacent Milwaukee Avenue and 68th Street roadways. PCE was detected in soil and soil gas along the sanitary lateral leading to the main in Milwaukee Avenue indicating that lateral acted as a migration conduit to a limited degree. The concentrations in soil at direct push boring DP-2 shown on **Figure 3** are below the RCLs for direct contact exposure, but above the RCL for protection of groundwater. Soil vapor sample SG-2 collected close to the lateral and at the approximate depth of the lateral contained PCE at a concentration of 3,720 μ g/m³ and trichloroethene (TCE) at a concentration of 91.4 μ g/m³ which are below the VRSLs for these compounds (**Figure 4**). Soil vapor sample SG-1 located east along the sanitary main contained PCE at a concentration of 404 μ g/m³ and TCE at a concentration of 34.9 μ g/m³, which are less than their respective VRSLs for these compounds.

2.5 SVE Pilot Testing

SVE pilot testing was performed by EnviroForensics in June of 2016. A copy of the full pilot test report is included in **Appendix A**. Two (2) soil vapor extraction wells were installed to facilitate testing and several existing and newly installed vapor monitoring points were used to measure negative pressures during the test. The two (2) extraction wells consisted of one (1) shallow well screened from 3-5 feet bgs; and one (1) deeper well screened from 10-20 feet bgs.



The data collected during testing supports using SVE to effectively remediate the Site. The radius of negative pressures propagated outward over 50 feet using the shallow SVE well and almost to 80 feet using the deeper SVE well. Based on this data, a minimal number of extraction wells are needed to create an effective remediation zone.



3.0 REMEDIAL ACTIVITIES

The recommended closure strategy is a combination of active remediation and possible passive risk management methods. The remedial action for soil will consist of SVE. The use of SVE should eliminate the current risk of vapor intrusion to indoor air at the Site building and adjacent commercial building to the south. The SVE system will also reduce the mass of CVOCs in soil which will in turn reduce the risk of reoccurring accumulation of sub-slab vapor and the risk of eventual migration to groundwater.

Site closure may involve using various passive risk management measures such as the use of cap maintenance to retain the building slab and outside paving as an engineered barrier to further prevent the downward migration of CVOC impacts in soil to the water table. However, the need for further engineered barriers or institutional controls such as Site use restrictions will be assessed following active remediation.

3.1 Soil Vapor Extraction (SVE)

SVE technology will be used to remediate vadose zone soil impacts beneath and around the Site building. The primary objective of SVE is to remove contaminant mass from vadose zone soil to concentrations that no longer pose a risk of vapor intrusion to the Site building and commercial building located adjacent to the south.

The SVE system is designed to extract soil vapor and consists of four (4) extraction wells installed around the perimeter of the Site building, below grade piping, and the SVE mechanical components. The results of 2016 pilot testing and distribution of Site contaminants were utilized to create the SVE extraction layout. The design radius of influence (ROI) of each deep SVE well is estimated to be approximately 79 feet, while the ROI for the shallow well was estimated to be 52 feet. Applied vacuum were determined to be 6.2 inches mercury (inHg) in the deeper zone, and 10 inHg in the shallow zone, with flow rates between 100 and 285 actual cubic feet per minute (acfm).

The following sections describe the SVE system design, operation and maintenance activities, and performance monitoring program.



3.1.1 Permitting

Construction and operation permits apply to remediation systems that emit contaminants under WAC Chapters NR 406 and 407, respectively. The following permitting thresholds apply to remediation systems, regardless of whether or not emissions control devices are used:

- Total volatile organic compound (VOC) emissions greater than 5.7 pounds per hour (lb/hr) [NR 406.04(1)(m)2]; and
- Assuming a stack height less than 25 feet, PCE emissions greater than 9.11 lb/hr or 301 pounds per year (lb/yr) [NR 407.03(1)(sm)].

The sampling data collected during the 2016 SVE pilot test indicated a CVOC mass removal rate of less than 100 lb/yr at startup. Therefore, EnviroForensics anticipates that the SVE system will be exempt from permitting requirements. However, the SVE system is designed so that carbon treatment can easily be added if necessary to reduce the concentrations of CVOCs to below the permit thresholds. It is also possible to raise the stack height above 25 feet, which increases the acceptable CVOC emission limits.

Ambient air quality criteria defined in WAC Chapter NR 445.07 also apply to remediation systems. For example, the concentration of PCE must be less than 4,069 μ g/m³ in ambient air while the SVE system is operating. The monitoring program designed to ensure compliance with all emissions and air quality standards is described in Section 3.3.

3.1.2 Infrastructure Installation

Two (2) extraction wells previously installed for pilot testing (SVE-1s and SVE-1d) will be used as points of soil vapor extraction, along with two (2) new extraction wells identified as SVE-2 and SVE-3 on **Figure 5**. SVE-2 will be located to reduce contaminant mass detected near a small storage shed which is the suspected site of a surface spill. Extraction well SVE-3 has been located on the north side of the building to supplement reduction of CVOC concentrations below the Site building slab, facilitate collection of soil vapors and reduce soil concentrations along the sanitary sewer lateral.

The new extraction wells will be constructed of 4-inch diameter schedule 40 polyvinyl chloride (PVC) with 0.020-slotted screen from 4 to 14 feet bgs. The wellheads will be protected at the



surface with 24-inch square flush-mount vaults set in a concrete pad. The extraction wells will be connected with 4-inch diameter PVC in trenches, leading to the equipment trailer to be located on the far southwest corner of the property.

A 1-inch diameter pipe consisting of schedule 40 PVC will be laid in the trench between the SVE trailer and SVE-3 for potential use in discharging condensate if significant condensate is produced by the SVE and this becomes an issue. Based on pilot testing, significant condensate production is not anticipated; however, discharge of excess condensate would be under permit to the City of Wauwatosa, and would require excavating and connection to the sanitary lateral located near SVE-3. In addition, tracer wire will be laid in all of the connection trenching for future accurate locating purposes.

The proposed layout of the system is shown on **Figure 5**. The extraction well and sub-grade piping construction details are depicted on **Figures 6** and **7**.

3.1.3 SVE Mechanical System

Below is a summary of system equipment. A process and instrumentation diagram is included as **Figure 8** and an instrumentation legend is included as **Figure 9**.

- <u>Bi-lobe vacuum blower</u> capable of providing up to 857 acfm of air and applying up to approximately 15 inHg vacuum.
 - The blower will be powered by a 20Hp 3-phase, electric motor.
 - The operation of the motor shall be controlled by a variable frequency drive (VFD).
- <u>A vacuum relief valve</u> assembly shall be installed to protect the blower by automatically reducing the applied vacuum at the blower.
- <u>Vacuum dilution valve</u> assembly with an intake air filter installed between the moisture separator and vacuum pump to reduce the vacuum applied to the recovery well network.
- <u>A particulate air filter</u> installed in the process plumbing between the moisture separator and vacuum extraction pump to protect the vacuum extraction pump from suspended particles in the inlet air flow.



- <u>A moisture separator</u> to remove and contain moisture from the air stream prior to the vacuum extraction pump.
 - A float tree assembly will be installed on the moisture separator to automatically pump out water after sufficient moisture accumulation.
- <u>A self-priming transfer pump</u> shall be installed to remove liquid from the moisture separator without reducing the vacuum applied by the vacuum extraction pump. Initially, a 300-gallon plastic tote will be provided to hold any excess liquid (moisture) collected by the system. Moisture will likely contain contaminants, so any liquid collected will be analyzed by a Wisconsin Certified Analytical Laboratory and managed according to State regulations.
- <u>The remediation system controls</u> shall include the following.
 - A 24 hour timer
 - Low vacuum switch
 - High SVE exhaust temperature switch
- <u>The remediation system instrumentation</u> shall include the following.
 - An airflow meter (standard cubic feet per minute)
 - Vacuum gauges at each extraction leg on the manifold (inHg)
 - Vacuum gauge at the blower (inHg)
 - Temperate gauge on the SVE exhaust (°F)
 - High SVE exhaust temperature switch
- <u>System Telemetry</u> will be utilized to monitor system operating conditions and receive alerts.
- Air Permitting
 - Data collected during the SVE pilot study indicated an air permit will not be required.
 - A table depicting the estimated mass removal was provided with the Pilot Study Report.
 - The estimates provided above are conservatively estimated, and represent worstcase scenarios. Mass emissions data collected following system startup will be evaluated to confirm air permitting requirements.



- Electrical Service
 - Power will be supplied to the system through a stand-alone power supply from the local power company.
 - The anticipated power supply is 3 phase, 4-wire, 240 volt service.
 - A licensed electrician will perform the work necessary to prepare the Site to receive a power drop from the local power company.
 - Upon installation, the electrical service will be inspected by the City of Wauwatosa and the local power provider, as required.
- The system equipment will be housed in a trailer located west of the southern storage building on the property.
- SVE Plumbing Connections
 - The conveyance piping will be plumbed to a manifold outside the remediation unit and the manifold will be connected to the vacuum pump.
 - Each branch from the SVE manifold will be equipped with a vacuum gauge and valve to control air-flow from each extraction well.
- Commissioning and Initial Startup
 - Once the remediation units have been delivered, all plumbing connections have been made, and electrical service has been established, the system will be started.
 - The objectives of the startup and optimization phase will be to:
 - confirm the systems have been constructed as designed;
 - confirm the equipment operates as specified; and
 - gather and evaluate initial operating data.

3.2 SVE System Operation and Maintenance (O&M)

Initially, the SVE system will be operated for a period of one (1) year. After the first year of operation, the need for continued operation will be evaluated. The SVE system will be shut off for at least 30 days to allow the subsurface to reach equilibrium and soil and sub-slab vapor samples will be collected to determine the concentrations of residual impacts. If additional remediation is warranted, a change order will be issued to cover the anticipated duration of system operation.



Routine and periodic O&M of the SVE system will be required. O&M activities will include the following:

- Address system shutdowns or operational issues;
- Record operational parameters and vapor concentrations to evaluate efficiency:
 - Effluent CVOC vapor concentration by sample collection in vacuum canisters;
 - Total system run time;
 - System vacuum;
 - Vacuum at each wellhead;
 - Vacuum at monitoring points;
 - o Flow rate; and
 - Exhaust temperature.
- Inspect, maintain, and/or repair the following components as needed and recommended by the manufacturers:
 - Blower belts and pulleys;
 - Blower inlet filter;
 - Blower motor bearings and oil level;
 - System enclosure exhaust fan;
 - Moisture separator tank and float switches;
 - Vacuum bypass valve;
 - Moisture separator dilution valve;
 - Exhaust muffler; and
 - Electrical power phase converter.

EnviroForensics will prepare and submit an Operation and Maintenance Plan to WDNR in accordance with Wisconsin Administrative Code (WAC) Chapter NR 724.13 after the system has been installed.

3.3 SVE Performance Monitoring

The effectiveness of the SVE system is evaluated periodically by monitoring the subsurface vacuum influence and air emissions of total volatile organic compounds (VOCs). These activities are summarized below.

Samples of the SVE system emissions will be collected from the effluent piping and analyzed for VOCs to calculate mass removal rates and cumulative mass removed and to determine



operational changes to optimize system performance. Testing is also required to determine whether emissions treatment is required to stay below permitting thresholds. The emissions testing schedule required under WAC Chapter 419.07 is as follows:

- Once each day for the first 3 days of operation;
- Weekly for the next 3 weeks; and
- Monthly thereafter.

The effluent samples will be collected in 1-liter vacuum canisters at a rate of 200 milliliters per minute and submitted to a laboratory for analysis for PCE and related compounds. The first two samples, collected on days 1 and 2 of operation, will be analyzed on a rush timeframe to avoid delays in meeting the emissions thresholds.

An annual outdoor air sample is required to evaluate ambient air quality and the need for emissions treatment to meet the ambient air standard. The sample will be collected from a location downwind of the exhaust stack at the time of sampling. The ambient air sample will be collected following the first day of continuous system operation. This is likely the worse case scenario since subsurface vapor concentrations collected by the SVE system will be reduced over time. One (1) 24-hour sample will be collected over a 24-hour period using a 6-liter vacuum canister and shipped to a laboratory for analysis of total VOCs.

During Site visits to collect effluent air samples, negative pressures will be measured in the existing vapor monitoring points using a manometer. Two additional permanent sub-slab vapor monitoring points will be installed within the Site building to measure the negative pressure field extension beneath the building slab. Negative pressure will also be measured periodically at existing sub-slab vapor monitoring points located inside the adjacent commercial building to the south.

3.4 Confirmation Sampling

Once performance monitoring data indicates a significantly diminished mass removal rate, the SVE system will be shut down and soil samples will be collected to confirm the effectiveness of the SVE remedy. Up to twelve (12) soil samples will be collected from the four (4) locations shown on **Figure 5** using direct-push soil boring methods. The samples will be submitted to a laboratory for analysis of CVOCs according to US EPA Test Method 8260.



The vapor intrusion pathway will also be re-evaluated after system shutdown. Three (3) sub-slab vapor samples will be collected from the Site building and two (2) from the adjacent commercial building to the south and analyzed for CVOCs.

3.5 Proposed Implementation Schedule

The SVE mechanical system is available immediately for delivery to the Site. Installation of the extraction wells and conveyance piping can be completed within 60 days of WDNR approval of this design report. The timing of system startup will depend on the availability of electrical service; however, it is anticipated that startup will occur within 90 days of WDNR approval of this design report. Construction documentation will be submitted within 60 days after the remedial system construction is completed. Operation and monitoring reports will be submitted on a semi-annual basis, as required.

Initially, one (1) year of continuous SVE system operation is planned. Mass removal rates will be evaluated after the first year of operation to determine whether additional operation is warranted. EnviroForensics will then provide recommendations for system shutdown or a proposed timeframe for continued operation, maintenance, and monitoring.



4.0 COST ESTIMATES

Costs are based on an initial estimated SVE system operating life of one (1) year. WDNR Form 4400-214D has been completed to allow budget tracking of this work and is included in **Appendix B**. Subcontracted services including construction, SVE system rental, laboratory expenses, drilling expenses, and utility service charges are actual charges with no markup. The costs are subdivided into these main work categories:

- SVE system engineering design, specifications, and cost estimating;
- Subcontractor upgrades to the SVE system to accommodate site specific needs such as sound insulation, telemetry hardware, and system controls;
- Costs to install SVE system infrastructure such as SVE extraction wells, connective; piping and trenching, electrical connections, and telemetry and make connections to the SVE mechanical system. Initial startup and preparation of O&M Plan;
- SVE system rental fees and SVE system operation and maintenance costs per month carried out for 12 months;
- Data analysis and bi-annual performance reporting;
- Year end confirmation sampling; and
- Project coordination and management during design engineering, system installation, and carrying through one year of system operation, maintenance, and reporting.

The SVE system costs including design, installation, O&M, monitoring, and reporting through one (1) year of operation are summarized below. Detailed cost break down sheets showing special DERF rates are provided in **Appendix C**.

Engineered Plans and Specifications

This work effort has been performed and includes the production of design specifications included in this document, and documents utilized to obtain reasonable cost estimates for planning purposes. The work performed represents efforts to reduce construction costs where feasible, reduce the time necessary to achieve remedial goals, to keep Site disruption to a minimum, and reduce future annoyance issues with neighbors.

These efforts have resulted in the following consultant cost: \$19,591.00



SVE System Modifications and Infrastructure Installation

\checkmark	Subcontractor modifications to existing SVE system:	\$11,920.00
\checkmark	Consultant Oversight, O&M Plan, and System Connections Cost:	\$20,173.20
\checkmark	Driller/Installation Subcontractor Cost:	\$38,840.00
\checkmark	Private Utility Locate:	\$450.00
\checkmark	Electrical Service and Connections:	\$8,000.00
	Subtotal Cost:	<u>\$79,383.20</u>

SVE System Rental and O&M (one year)

Includes seventeen Site visits to collect system vapor effluent samples, measure negative pressures within the sub-surface and perform routine maintenance such as belt tightening or replacement, filter replacements, system adjustments, and possible testing and batch disposal of condensate. Two additional Site visits have been planned to address unexpected system malfunctions. Labor also includes professional services to diagnose and correct system for optimal performance.

\checkmark	Consultant Labor:	\$16,520.00
\checkmark	SVE Equipment Rental:	\$26,400.00
\checkmark	Electrical and Telemetry Costs:	\$10,400.00
\checkmark	Subcontractor Costs:	\$2,510.00
\checkmark	Consultant Miscellaneous Direct Costs:	\$4,310.80
	Subtotal Cost:	\$60,140.80

Data Analysis and Bi-annual Performance Reporting

Work effort includes assembling of field data collected, analysis of system performance over time, production of bi-annual performance reports, and production of off-site results reports for sampling performed on adjacent commercial property to the south.

Consultant Cost: \$9,157.30



Year End Confirmation Sampling

Work effort includes collection of soil and sub-slab soil vapor samples to assess concentrations of residual contaminants after one (1) year of SVE system operation, evaluation of data, and recommendations for future Site remedial needs with associated cost estimates. Recommendations could include either further Site remedial efforts, or preparation of closure documentation and any required continued obligations.

\checkmark	Consultant Labor and Direct Cost:		\$8,408.85
\checkmark	Subcontractor and Laboratory Cost:		\$4,850.00
		Subtotal Cost	<u>\$13,258.85</u>

Project Management

Project management includes time needed to manage the progress of Site work, schedule resources, manage budgets, communicate with project stakeholders, and address miscellaneous project issues as they arise. This cost begins with the initial design work and is projected through one year of system operation, maintenance and reporting.

Consultant Cost	<u>\$12,016.80</u>



FIGURES





















APPENDIX A

SVE Pilot Test Documentation



SOIL VAPOR EXTRACTION PILOT STUDY REPORT

ONE HOUR MARTINIZING CLEANERS 6737 WEST MILWAUKEE AVENUE WAUWATOSA, WISCONSIN 53213 WDNR BRRTS# 02-41-551923

September 15, 2017

Prepared For:

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EXECUTIVE SUMMARY

Environmental Forensic Investigations, Inc. (EnviroForensics) has prepared this *Soil Vapor Extraction Pilot Study Report* on behalf of OHM Holdings, LLC for the One Hour Martinizing (OHM) facility located at 6737 West Milwaukee Avenue in Wauwatosa, Wisconsin (Site). The Site operates as a drop off location for clothes dry cleaned elsewhere.

A soil vapor extraction (SVE) pilot study has been performed to identify the feasibility of SVE for remediation of unsaturated soils contaminated with dry cleaning solvents. Two depth zones having distinct lithology were tested separately. These zones are referred to as the shallow and deep soil zones. The shallow soil zone (up to six feet below ground surface) contains more clay content than the soil below this zone, which has more sand and gravel. The stated objectives upon implementation were to:

- Measure vacuum conditions separately in the shallow and deep zones via monitoring points while inducing a vacuum with SVE extraction wells;
- Assess the effectiveness of the pilot SVE system by monitoring changes in subsurface vacuum over the duration of the pilot test; and
- Determine radius of influence values for the SVE extraction wells.

The pilot study included installation of two (2) SVE extraction wells and four (4) vacuum monitoring points to facilitate pilot testing. SVE pilot testing was performed separately in the shallow and deep zones, with applied vacuum incrementally increased during testing to gauge subsurface response to applied vacuum. Applied vacuums, subsurface vacuums, extraction flow rates, and extraction air contaminant concentrations were monitored during testing. Existing nested soil gas sampling points were also measured to gauge vacuum influence.

The results of the pilot study indicate that SVE is a viable remedial alternative for unsaturated soils in both zones at the Site. It may also provide additional benefit for mitigation of vapor intrusion at the Site building and neighboring commercial property during implementation, but would require multiple SVE extraction points to achieve this goal.


1.0 INTRODUCTION

Environmental Forensic Investigations, Inc. (EnviroForensics) has prepared this *Soil Vapor Extraction Pilot Study Report* on behalf of OHM Holdings, LLC for the One Hour Martinizing (OHM) facility located at 6737 West Milwaukee Avenue in Wauwatosa, Wisconsin (Site). The general Site location is depicted on **Figure 1**.

The layout of the Site, including Site features and the surrounding area, is depicted on **Figure 2**. The Site is bound by Milwaukee Avenue to the north; North 68th Street to the west; a commercial property (1536 N. 68th Street) to the south; and a residential property (6721 Milwaukee Avenue) to the east. The surrounding area consists of a mix of residential and commercial properties.

The Site operated as a gasoline service station from at least 1927 up to the late 1970's or early 1980's. The property was purchased as a vacant gasoline service station by OHM in 1982. The underground gasoline storage tanks were removed by the previous owners. OHM operated the Site as an active dry cleaning facility beginning in 1982. The former dry cleaning machine was located on the east side of the building. Tetrachloroethene (PCE) was the main dry cleaning solvent used in the cleaning process until its use was discontinued at this facility in 2009.

The Site lithology is comprised of poorly sorted glacially deposited till generally consisting of silty, clayey sand and gravel with interspersed and discontinuous lenses of silty clay and sandy clay, which are typically between 1-2 feet thick. Coarser material consisting of sand and gravel with varying amounts of silt and clay appear to be predominant; however, clay is present in the upper 5 to 6 feet below ground surface (bgs) at several investigation locations. This clay interval is referred to as the shallow zone in this report. Groundwater is encountered at depths ranging from approximately 48 to 52 feet bgs, and the direction of groundwater flow is toward the northeast. Groundwater at the Site does not appear to be impacted by any of the contaminants.

The primary contaminants of concern at the Site are PCE and intermediate products of the natural degradation of PCE, including: trichloroethene (TCE); dichloroethene (DCE); and vinyl chloride (VC). Petroleum volatile organic compounds (PVOCs) have also been detected at the Site due to the former use of the property as a gasoline service station. The source area for the PVOCs appears to be on the northwestern part of the Site relating to the location of past fuel tanks. The concentrations of PVOCs are relatively low, have not caused impacts to groundwater, and are not a risk for vapor intrusion to nearby buildings.



2.0 SVE PILOT STUDY ACTIVITIES

Pilot study activities performed include SVE well and monitoring point installation, SVE pilot testing, and analysis of the SVE pilot test data. This section provides a summary of the SVE field activities performed.

2.1 SVE Extraction Well and Monitoring Point Installation

On June 22-23, 2016, EnviroForensics directed the installation of two (2) SVE extraction wells (SVE-1s and SVE-1d) in separate boreholes; three (3) single vacuum monitoring points (VP-1, VP-2, and VP-3); and one (1) double-nested vacuum monitoring point (VP-4s/d). The "s" and "d" notations refer to "shallow" and "deep", respectively. The extraction wells were installed using hollow-stem auger drilling methods with 6.25-inch ID augers. The monitoring points were installed using 4.25-inch ID augers. The extraction wells and vacuum monitoring points were finished at grade with flush-mount steel vaults set in a concrete pad. The locations of the SVE extraction wells and vacuum monitoring points are depicted on **Figure 2**.

Shallow Zone

The shallow extraction well SVE-1s and the associated shallow vacuum monitoring points were designed to test the response to applied vacuum within the finer-grained material near the ground surface (i.e., the shallow zone). SVE-1s was constructed of 4-inch diameter schedule 40 PVC, with a 0.020-inch slot Vee-Wire[®] screen from 3 to 5 feet bgs. A filter pack consisting of coarse sand was installed from the bottom of the borehole to 1 foot above the screened interval. Bentonite-cement grout was installed above the filter pack to within 1 foot of the ground surface.

The shallow vacuum monitoring points were constructed with 1-inch diameter, schedule 40 PVC, 0.010-inch slotted well screen, and coarse sand filter pack. The screen for each single shallow point (VP-1, VP-2, and VP-3) was installed from 3 to 5 feet bgs. The screen for monitoring point VP-4s was installed from 5 to 10 feet bgs. The filter pack was installed from the bottom of each borehole to 1 foot above the screened interval. Hydrated bentonite chips were then added to within 1 foot of the ground surface.

In addition to the SVE extraction well and VP points, existing soil gas sampling points SG-4s, SG-5s, SG-6s, and SG-7s were also measured to gauge vacuum influence. These points are constructed of 1-inch diameter, schedule 40 PVC riser and 0.010-inch slotted well screens extending from 5 to 10 feet bgs.



A summary of construction information for SVE-1s and the shallow vacuum monitoring points, as well as other existing soil gas sampling points used during the pilot study, is provided in **Table 1**. Boring logs for the existing monitoring wells and soil borings within the SVE radius of influence (ROI) are provided in **Appendix A**.

Deep Zone

The deep extraction well SVE-1d and the associated deep vacuum monitoring point were designed to test the response to applied vacuum within the coarser-grained material encountered below the near-surface clay. SVE-1d was constructed of 4-inch diameter schedule 40 polyvinyl chloride (PVC) riser, with a 0.020-inch slot Vee-Wire[®] screen from 10 to 20 feet bgs. Hydrated bentonite chips were installed above the filter pack to within 1 foot of the ground surface.

Monitoring point VP-4d was constructed with 1-inch diameter, schedule 40 PVC, 0.010-inch slotted well screen, and coarse sand filter pack. The screened interval extends from 15 to 25 feet bgs. The filter pack was installed from the bottom of the borehole to 1 foot above the screened interval. Hydrated bentonite chips were then added to separate the deeper screen from the shallow (VP-4s) screen. In addition to VP-4d, existing soil gas sampling points SG-4d, SG-5d, SG-6d and SG-7d were also measured to gauge vacuum influence. These points are constructed of 1-inch diameter, schedule 40 PVC riser and 0.010-inch slotted well screens extending from 20 to 25 feet bgs.

A summary of construction information for SVE-1d and the deep vacuum monitoring point, as well as other existing soil gas sampling points used during the pilot study, is provided in **Table 2**. Boring logs for the existing monitoring wells and soil borings within the SVE radius of influence (ROI) are provided in **Appendix A**.

2.2 SVE Pilot Test Implementation

SVE pilot testing was performed on June 28-29, 2016 using a mobile, positive displacement blower capable of producing a flow rate of 857 actual cubic feet per minute (ACFM) at 15 inches of mercury (inHg). The vacuum system was piped to each SVE extraction well using 4-inch diameter PVC pipe. A generalized process and instrumentation diagram for the extraction system is depicted on **Figures 3 and 4**.



The shallow and deep extraction wells were tested separately and independently. The shallow well test was conducted for approximately 7 hours and consisted of three steps (steps 1 through 3), with applied vacuum and flow rate varied for each step by adjusting the variable frequency drive (VFD) that controlled the blower. System vacuum, as measured at the air-water separator, was adjusted during each step at 6.5, 10, and 13 inHg, which corresponded to applied vacuums at the SVE wellhead of 6.5, 9.5, and 11 inHg. A summary of each step and the recorded vacuum is included in **Table 3**.

The deep well test had a duration of approximately 5 hours, and consisted of three steps (steps 1 through 3), with applied vacuum and flow rate varied for each step by adjusting the VFD. System vacuum, as measured at the air-water separator, was adjusted during each step at 3, 5, and 6.2 inHg, which corresponded to applied vacuums at the SVE wellhead of 3.6, 5.5, and 6.0 inHg. A summary of each step and the recorded vacuum is included in **Table 4**.

During each step, volumetric flow rates, applied vacuums, recorded vacuums, and influent air total volatile organic compound (VOC) concentrations were monitored at fixed intervals. Influent flow rates were monitored using an anemometer. Applied vacuum to the extraction wells, as well as subsurface vacuums at the monitoring points, were measured using a hand-held digital manometer.

Effluent air samples were field-screened using a photoionization detector (PID) for the presence of VOCs. Effluent air samples were also collected from a sampling port using laboratory-supplied vacuum canisters, which were submitted to Envision Air Laboratories in Indianapolis, Indiana for analysis of select VOCs according to United States (U.S.) Environmental Protection Agency (EPA) Method TO-15. The TO-15 samples were collected at the beginning of steps 2 and 3 during both the shallow and deep well tests.



3.0 PILOT STUDY RESULTS

Pilot study data was analyzed to determine the following parameters:

- 1. System flow rates
- 2. VOC mass removal rates
- 3. Subsurface vacuum response

Vacuum, flow rate, and PID data collected at the remediation system during testing are presented in **Tables 5 and 6** and graphically depicted on **Charts 1 and 2**. Subsurface vacuum data is presented in **Tables 7 and 8** and graphically depicted on **Charts 3 and 4**. No measurable subsurface moisture was collected during testing.

3.1 System Flow Rates

Shallow Zone

During the shallow well test, system flow rates varied from a minimum of 60 standard cubic feet per minute (SCFM) during Step 1 at an applied vacuum of 6.5 in Hg to a maximum of 140 SCFM during Step 3 at an applied vacuum of 13 inHg.

Deep Zone

During the deep well test, system flow rates varied from a minimum of 100 standard cubic feet per minute (SCFM) during Step 1 at an applied vacuum of 3 in Hg to a maximum of 285 SCFM during Step 3 at an applied vacuum of 6.5 inHg.

3.2 VOC Mass Removal Rates

Shallow Zone

Effluent air samples were collected during steps 2 and 3 of the shallow well test. No sample was collected during step 1. PCE was the only compound detected in the samples. PCE concentrations ranged from 5,310 micrograms per cubic meter ($\mu g/m^3$) during Step 3 to 17,100 $\mu g/m^3$ during Step 2. A copy of the laboratory analytical report is provided in **Appendix B** and the results are summarized on **Table 9**.



Deep Zone

Effluent air samples were also collected during steps 2 and 3 of the deep well test. No sample was collected during step 1. PCE was the only compound detected in the samples. PCE concentrations ranged from 1,000 μ g/m³ during Step 2 to 1,120 μ g/m³ during Step 3. The results are summarized on **Table 10**.

The total VOC mass removed during steps 2 and 3 of both the shallow and deep well tests was 0.1 pounds. Coupling effluent vapor concentrations with the effluent flow rates over the test duration for each period indicates that the VOC mass removal rate would be approximately 51 pounds per year at startup during full-scale system operation; however, it is not known for how long this removal rate could be sustained. Additional mass recovery would be possible during full-scale system implementation due to the placement of additional extraction wells in the source area soils.

3.3 Subsurface Vacuum Response

While vacuum influence was observed in some deeper test points during the shallow zone pilot test activities and in some shallow test points during the deep zone pilot test activities, this secondary vacuum influence was substantially lower than the vacuums recorded at those points during the same zone testing. This indicates that while vertical propagation of vacuum is possible at the Site, it is inefficient when compared to the direct application of vacuum to a zone of soils with similar lithology. Therefore, only shallow monitoring points were included in the shallow zone ROI determination, and only deep monitoring points were included in the deep zone ROI determination.

Shallow Zone

A maximum observed monitoring point influence of 3.07 inches of water (inH₂O) vacuum was detected during Step 3 at monitoring point VP-2, approximately 6 feet away from SVE-1s. Subsurface vacuum response versus time for each monitoring point is graphically depicted in **Chart 3** and summarized in **Table 7**.

In order to evaluate the generalized SVE ROI for the shallow zone at the Site, a best-fit statistical distribution was identified for Step 1, Step 2, and Step 3 to describe the attenuation of subsurface vacuum with respect to distance from the extraction well. The recorded vacuums were averaged at each point during each step in order to mitigate variances in the data sets. The vacuum versus



distance data for Step 2 exhibited an exponential distribution and had the highest coefficient of determination (R^2) (0.77). These data indicated that step 2 provided the most linear, and therefore predictable, subsurface vacuum response. The minimum subsurface vacuum used for determining an effective ROI for vapor capture is 0.1 inH₂O. Using this minimum standard, the estimated vapor capture ROI for an applied vacuum of 10 inHg is approximately 52 feet. The data points and trend lines are presented in **Table 11** and **Charts 5a** through **5c**. The calculated ROI for the shallow zone test is depicted in **Figure 5**.

Deep Zone

A maximum observed monitoring point influence of 1.33 inH₂O vacuum was detected during Step 3 at monitoring point SG-4d, which is approximately 13 feet away from SVE-1d and screened just below the screened interval of SVE-1d. Subsurface vacuum response versus time for each monitoring point is graphically depicted in **Chart 4** and summarized in **Table 8**.

In order to evaluate the generalized SVE ROI for the deep zone at the Site, a best-fit statistical distribution was identified for Step 1, Step 2, and Step 3 to describe the attenuation of subsurface vacuum with respect to distance from the extraction well. The recorded vacuums were averaged at each point during each step in order to mitigate the variances in the data sets. The vacuum versus distance data for Step 3 exhibited an exponential distribution and had the highest R² (0.91). These data indicated that Step 3 provided the most linear, and therefore predictable, subsurface vacuum response. Using a minimum standard for vapor capture of 0.1 inH₂O, the estimated vapor capture ROI for an applied vacuum of 6.2 inHg is approximately 79 feet. The data points and trend lines are presented in **Table 12** and **Charts 6a** through **6c**. The calculated ROI for the deep zone test is depicted in **Figure 5**.

Grain size analysis conducted on soil samples collected from the extraction wells indicated a lower percentage of fine particles in the deep zone compared to the shallow zone. The difference in estimated ROI for the two zones may be explained, in part, by the difference in soil particle size distribution.



4.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the pilot study indicate that SVE is a viable remedial alternative for unsaturated soils at the Site. It may also provide additional benefit for mitigation of vapor intrusion at the Site building and neighboring commercial property during implementation, but may require multiple SVE extraction points to achieve this goal. Evaluation of SVE design for remedial implementation at the property will consider the ROIs, flow rates, and other information identified in this report as well as Site-specific considerations such as local VOC concentrations, access limitations, lithologic heterogeneities, and subsurface utility corridors that may affect the vacuum propagation or influence the design criteria.



Monitoring Point Construction Information - Shallow Zone

Soil Vapor Extraction Pilot Study Report

One Hour Martinizing - Wauwatosa

Wauwatosa, Wisconsin

WDNR BRRTS No. 02-41-551923

Monitoring Point I.D.	Date Installed	Drilling Method	Well Diameter (inches)	Screened Interval (feet bgs)
SVE-1s	6/23/2016	Hollow Stem Auger	4	3-5
VP-1	6/23/2016	Hollow Stem Auger	1	3-5
VP-2	3/17/2016	Hollow Stem Auger	1	3-5
VP-3	6/23/2016	Hollow Stem Auger	1	3-5
SG-4s	1/30/2015	Hollow Stem Auger	1	5-10
SG-5s	1/30/2015	Hollow Stem Auger	1	5-10
SG-6s	1/30/2015	Hollow Stem Auger	1	5-10
SG-7s	1/30/2015	Hollow Stem Auger	1	5-10
VP-4s	6/23/2016	Hollow Stem Auger	1	5-10

bgs = below ground surface



Monitoring Point Construction Information - Deep Zone

Soil Vapor Extraction Pilot Study Report

One Hour Martinizing - Wauwatosa

Wauwatosa, Wisconsin

WDNR BRRTS No. 02-41-551923

Monitoring Point I.D.	Date Installed	Drilling Method	Well Diameter (inches)	Screened Interval (feet bgs)
SVE-1d	6/22/2016	Hollow Stem Auger	4	10-20
SG-4d	1/30/2015	Hollow Stem Auger	1	20-25
SG-5d	1/30/2015	Hollow Stem Auger	1	20-25
SG-6d	1/30/2015	Hollow Stem Auger	1	20-25
SG-7d	1/30/2015	Hollow Stem Auger	1	20-25
VP-4d	6/23/2016	Hollow Stem Auger	1	15-25

bgs = below ground surface



SVE Pilot Study Testing Regime - Shallow Zone

Soil Vapor Extraction Pilot Study Report One Hour Martinizing - Wauwatosa SVE-1s Wauwatosa, Wisconsin WDNR BRRTS No. 02-41-551923

Step	Time Start	Time Stop	Hour Start	Hour Stop	Step Duration (hours)	System Vacuum (inHg)	Wellhead Vacuum (inHg)
1	6/28/2016 16:00	6/28/2016 18:15	0.0	2.3	2.3	6.5	6.4
2	6/28/2016 18:15	6/29/2016 08:15	2.3	16.3	14.0	10.0	9.5
3	6/29/2016 08:15	6/29/2016 11:15	16.3	19.3	3.0	13.0	11.0



SVE Pilot Study Testing Regime - Deep Zone

Soil Vapor Extraction Pilot Study Report One Hour Martinizing- Wauwatosa SVE-1d Wauwatosa, Wisconsin WDNR BRRTS No. 02-41-551923

Step	Time Start	Time Stop	Hour Start	Hour Stop	Step Duration (hours)	System Vacuum (inH _g)	Wellhead Vacuum (inH _g)
1	6/28/2016 10:00	6/28/2016 11:15	0.0	1.3	1.3	3.0	3.6
2	6/28/2016 11:15	6/28/2016 12:35	1.3	2.6	1.3	5.0	5.5
3	6/28/2016 12:35	6/28/2016 15:10	2.6	5.2	2.6	6.2	6.0



SVE Pilot Study System Data - Shallow Zone

Soil Vapor Extraction Pilot Study Report One Hour Martinizing - Wauwatosa SVE-1s Wauwatosa, Wisconsin WDNR BRRTS No. 02-41-551923

Step	Date and Time	Test Hour	System Influent Vacuum (inHg)	System Effluent Flow Rate (SCFM)	System Effluent Temperature (°C)	System Effluent VOC Concentration (ppm)
	6/28/16 16:30	0.5	6.5	60	54	1.3
	6/28/16 16:45	0.8	6.5	60	60	1.4
1	6/28/16 17:00	1.0	6.5	60	54	1.5
	6/28/16 17:15	1.3	6.5	60	54	1.5
	6/28/16 18:00	2.0	6.5	60	60	1.5
	6/28/16 18:30	2.5	10.0	100	77	0.3
	6/28/16 18:45	2.8	10.0	100	77	0.5
2	6/28/16 19:00	3.0	10.0	100	77	0.5
	6/29/16 7:45	15.8	10.0	100	68	0.0
	6/29/16 8:00	16.0	10.0	100	71	0.0
	6/29/16 8:30	16.5	13.0	140	79	0.0
	6/29/16 8:45	16.8	13.0	140	82	0.0
	6/29/16 9:00	17.0	13.0	140	82	0.0
2	6/29/16 9:15	17.3	13.0	140	82	0.0
5	6/29/16 9:45	17.8	13.0	140	82	0.2
	6/29/16 10:15	18.3	13.0	140	82	0.2
	6/29/16 10:45	18.8	13.0	140	85	0.2
	6/29/16 11:15	19.3	13.0	140	85	0.2

inHg = vacuum in inches of mercury (measured at air-water separator)

CFM = cubic feet per minute

ppm = parts per million by volume

VOC = Volatile organic compound



SVE Pilot Study System Data - Deep Zone

Soil Vapor Extraction Pilot Study Report One Hour Mmartinizing - Wauwatosa SVE-1d Wauwatosa, Wisconsin WDNR BRRTS No. 02-41-551923

Step	Date and Time	Test Hour	System Influent Vacuum (inHg)	System Effluent Flow Rate (SCFM)	System Effluent Temperature (°C)	System Effluent VOC Concentration (ppm)
	6/28/16 10:00	0.0	3.0	100	54	1.3
1	6/28/16 10:30	0.5	3.0	100	60	1.4
	6/28/16 10:45	0.8	3.0	100	54	1.5
	6/28/16 11:15	1.3	5.0	240	54	1.5
2	6/28/16 11:45	1.8	5.0	240	60	1.5
2	6/28/16 12:15	2.3	5.0	240	77	0.3
	6/28/16 12:30	2.5	5.0	240	77	0.5
	6/28/16 12:50	2.8	5.0	240	77	0.5
	6/28/16 13:20	3.3	5.0	240	68	0.0
2	6/28/16 14:00	4.0	6.5	285	71	0.0
3	6/28/16 14:15	4.3	6.5	285	79	0.0
	6/28/16 14:30	4.5	6.5	285	82	0.0
	6/28/16 15:10	5.2	6.5	285	82	0.0

inHg = vacuum in inches of mercury (measured at air-water separator)

SCFM = standard cubic feet per minute

ppm = parts per million by volume

VOC = Volatile organic compound



TABLE 7 SVE Pilot Study Subsurface Data - Shallow Zone

Soil Vapor Extraction Pilot Study Report

One Hour Martinizing - Wauwatosa SVE-1s

Wauwatosa, Wisconsin

WDNR BRRTS No. 02-41-551923

Step	Date and Time	Influent Flow Rate (ACFM)	Test Hour	SVE-1s	VP-1	VP-2	VP-3	SG-4s	SG-4d	VP-4d	VP-4s
	Distanc	e from SVE-1s (1	čeet)	0	17	6	18	13	12	39	39
	6/28/16 16:15		0.3	6.617	0.81	1.80	0.60	0.41	0.14	х	Х
	6/28/16 16:30	138	0.5	6.553	0.80	1.81	0.60	0.40	0.14	Х	Х
1	6/28/16 16:45	139	0.8	6.395	0.77	1.79	0.59	0.37	0.11	Х	Х
1	6/28/16 17:00	134	1.1	6.371	0.79	1.80	0.60	0.39	0.13	Х	Х
	6/28/16 17:15	136	1.3	6.356	0.78	1.82	0.61	0.40	0.14	Х	Х
	6/28/16 18:00	137	2.0	6.356	0.82	1.84	0.63	0.42	0.15	0.11	0.20
	6/28/16 18:30	244	2.6	9.672	1.17	2.75	0.89	0.56	0.17	0.10	0.24
	6/28/16 18:45	258	2.8	9.632	1.16	2.76	0.89	0.57	0.18	0.10	0.24
2	6/28/16 19:00	281	3.0	9.593	1.14	2.75	0.90	0.58	0.18	0.11	0.24
	6/29/16 7:45	257	15.8	9.435	1.16	2.79	0.89	0.59	0.17	0.11	0.25
	6/29/16 8:00	249	16.1	9.514	1.16	2.79	0.89	0.59	0.18	0.12	0.25
	6/29/16 8:30	270	16.5	10.658	1.27	3.06	0.97	0.61	0.19	0.12	0.26
	6/29/16 8:45	274	16.8	10.856	1.29	3.06	0.97	0.62	0.19	0.12	0.28
	6/29/16 9:00	267	17.0	10.911	1.27	3.07	0.97	0.61	0.18	0.11	0.26
2	6/29/16 9:15	247	17.3	11.093	1.27	3.07	0.97	0.61	0.19	0.11	0.26
3	6/29/16 9:45	257	17.8	11.103	1.28	3.07	0.98	0.63	0.18	0.11	0.27
	6/29/16 10:15	253	18.3	11.132	1.28	3.06	0.97	0.63	0.19	0.12	0.27
	6/29/16 10:45	250	18.8	11.115	1.28	3.06	0.97	0.63	0.18	0.11	0.26
	6/29/16 11:15	254	19.3	11.140	1.28	3.07	0.98	0.64	0.19	0.12	0.27
	Maximu	m vacuum:		11	1.290	3.070	0.980	0.640	0.190	0.120	0.280

All values are vacuum readings, in units of inches water column; except for SVE-1s is in units of inches of mercury ACFM = actual cubic feet per minute



TABLE 8SVE Pilot Study Subsurface Data - Deep ZoneSoil Vapor Extraction Pilot Study Report

One Hour Mmartinizing - Wauwatosa SVE-1d

Wauwatosa, Wisconsin

WDNR BRRTS No. 02-41-551923

Step	Date and Time	Influent Flow Rate (ACFM)	Test Hour	SVE-1d	SG-4s	SG-4d	SG-5s	SG-5d	SG-6s	SG-6d	SG-7s	SG-7d	VP-4d	VP-4s
	Distance from SVE-1d (feet)			0	12	13	24	24	26	27	25	25	69	69
	6/28/16 10:15		0.3	3.790	0.43	0.62	0.27	0.33	0.27	0.25	0.30	0.17	0.00	0.18
1	6/28/16 10:30	1578.2	0.5	3.553	0.40	0.62	0.25	0.33	0.24	0.24	0.27	0.17	0.00	0.17
1	6/28/16 10:45	1588.6	0.7	3.514	0.43	0.64	0.26	0.33	0.25	0.24	0.29	0.18	0.00	0.17
	6/28/16 11:00	1534.2	1.0	3.435	0.42	0.64	0.27	0.33	0.26	0.25	0.28	0.18	0.00	0.18
	6/28/16 11:30	2803	1.5	5.408	0.65	0.89	0.40	0.49	0.38	0.40	0.43	0.29	0.00	0.27
2	6/28/16 11:45	2956.3	1.8	5.527	0.67	0.92	0.40	0.50	0.39	0.33	0.43	0.28	0.00	0.25
2	6/28/16 12:00	3221.4	2.0	5.645	0.67	0.93	0.41	0.50	0.39	0.36	0.44	0.28	0.00	0.25
	6/28/16 12:15	2942.1	2.2	5.527	0.66	0.91	0.43	0.50	0.39	0.36	0.44	0.29	0.00	0.25
	6/28/16 12:50	3093.1	2.8	5.487	0.66	0.92	0.41	0.50	0.39	0.37	0.51	0.37	0.15	0.34
	6/28/16 13:20	3061.4	3.3	4.895	0.75	1.02	0.51	0.60	0.50	0.47	0.54	0.38	0.15	0.35
	6/28/16 14:00	2836.5	4.0	6.553	1.04	1.33	0.72	0.81	0.69	0.65	0.73	0.53	0.22	0.50
3	6/28/16 14:15	2944.3	4.2	6.474	0.97	1.29	0.74	0.64	0.61	0.58	0.66	0.48	0.16	0.42
	6/28/16 14:30	2896.1	4.5	6.395	0.95	1.25	0.63	0.73	0.60	0.57	0.64	0.47	0.15	0.42
	6/28/16 14:45	2864.3	4.8	6.227	0.92	1.24	0.63	0.71	0.59	0.53	0.64	0.44	0.13	0.41
	6/28/16 15:10	2911.7	5.2	6.189	0.94	1.25	0.60	0.71	0.57	0.51	0.60	0.43	0.13	0.40
	Maximu	m vacuum:		6.55	1.04	1.33	0.74	0.81	0.69	0.65	0.73	0.53	0.22	0.50

All values are vacuum readings, in units of inches water column; except for SVE-1d is in units of inches of mercury ACFM = actual cubic feet per minute



SVE Pilot Study Mass Removal Estimates - Shallow Zone

Soil Vapor Extraction Pilot Study Report One Hour Martinizing - Wauwatosa Wauwatosa, Wisconsin WDNR BRRTS No. 02-41-551923

Step 2; Sample SVE-1S-2; Flow rate = 100 SCFM; Duration = 14 Hours										
Analyte	Concentration (µg/m ³)	Removal Rate (lb/hour)	Removal Rate (lb/year)	Removal Rate (tons/year)	Mass Removed (lb)					
Tetrachloroethene	17,100	0.00641	56.1	0.028	0.08969					
Trichloroethene	<10.7	< 0	< 0	< 0	NA					
cis-1,2-Dichloroethene	<39.6	< 0.00001	< 0.1	< 0.00005	NA					
trans-1,2-Dichloroethene	<39.6	< 0	< 0	< 0	NA					
Vinyl Chloride	<6.4	< 0	< 0	< 0	NA					

Step 3; Sample SVE-1S-3; Flow rate = 140 SCFM; Duration = 3 Hours										
Analyte	Concentration (µg/m ³)	Removal Rate (lb/hour)	Removal Rate (lb/year)	Removal Rate (tons/year)	Mass Removed (lb)					
Tetrachloroethene	5,310	0.00279	24.4	0.012	0.00836					
Trichloroethene	<10.7	< 0.00001	< 0.1	< 0	NA					
cis-1,2-Dichloroethene	<39.6	< 0.00002	< 0.2	< 0.0001	NA					
trans-1,2-Dichloroethene	<39.6	< 0.00002	< 0.2	< 0.0001	NA					
Vinyl Chloride	<6.4	< 0	< 0	< 0	NA					

Total actimated mass non-avail during stong 2 and 2 (lb).	
I I OLAL ESTIMATED MASS LEMOVED ONLING SIEDS 7 AND 2 ODT:	

Notes:

Duration = Length of time applied to mass removal estimate

Removal Rate = concentration multiplied by duration

NA = Not Available

Mass Removed = Estimated mass removed through SVE system during representative pilot study periods

SCFM = Standard cubic feet per minute

 $\mu g = microgram$

m = meter

lb = pound



0.098

SVE Pilot Study Mass Removal Estimates - Deep Zone

Soil Vapor Extraction Pilot Study Report One Hour Martinizing - Wauwatosa SVE-1d Wauwatosa, Wisconsin WDNR BRRTS No. 02-41-551923

Step 1; Sample SVE-1D-2; Flow rate = 240 SCFM; Duration = 1.3 Hours										
Analyte	Concentration (µg/m ³)	Removal Rate (lb/hour)	Removal Rate (lb/year)	Removal Rate (tons/year)	Mass Removed (lb)					
Tetrachloroethene	1,000	0.00090	7.9	0.004	0.00112					
Trichloroethene	<10.7	< 0.00001	< 0.1	< 0	NA					
cis-1,2-Dichloroethene	<39.6	< 0.00004	< 0.4	< 0.0002	NA					
trans-1,2-Dichloroethene	<39.6	< 0.00001	< 0.1	< 0.00005	NA					
Vinyl Chloride	<6.4	< 0	< 0	< 0	NA					

Step 2; Sample SVE-1D-3; Flow rate = 285 SCFM; Duration = 1.3 Hours					
Analyte	Concentration (µg/m ³)	Removal Rate (lb/hour)	Removal Rate (lb/year)	Removal Rate (tons/year)	Mass Removed (lb)
Tetrachloroethene	1,120	0.00120	10.5	0.005	0.00159
Trichloroethene	<10.7	< 0.00001	< 0.1	< 0	NA
cis-1,2-Dichloroethene	<39.6	< 0.00004	< 0.4	< 0.0002	NA
trans-1,2-Dichloroethene	<39.6	< 0.00004	< 0.4	< 0.0002	NA
Vinyl Chloride	<6.4	< 0.00001	< 0.09	< 0.00005	NA

Total estimated mass removed during steps 2 and 3 (lb):

Duration = Length of time applied to mass removal estimate

Removal Rate = concentration multiplied by duration

NA = Not Available

Mass Removed = Estimated mass removed through SVE system during representative pilot study periods

SCFM = Standard cubic feet per minute

 $\mu g = microgram$

m = meter

lb = pound



0.003

Radius of Influence Calculation Data - Shallow Zone

Soil Vapor Extraction Pilot Study Report One Hour Martinizing - Wauwatosa Wauwatosa, Wisconsin WDNR BRRTS No. 02-41-551923

Monitoring Point I.D.	Distance from SVE-1s (feet)	Average Vacuum (inH ₂ O)			
		Step 1	Step 2	Step 3	
VP-1	17	0.795	1.158	1.278	
VP-2	6	1.810	2.768	3.065	
VP-3	18	0.605	0.892	0.973	
SG-4s	13	0.398	0.578	0.623	
VP-4s	39	0.200	0.244	0.266	

- inH_2O = inches of water column



Radius of Influence Calculation Data - Deep Zone

Soil Vapor Extraction Pilot Study Report One Hour Martinizing - Wauwatosa Wauwatosa, Wisconsin WDNR BRRTS No. 02-41-551923

Monitoring Point I.D.	Distance from SVE-1d (feet)	Average Vacuum (inH ₂ O)			
		Step 1	Step 2	Step 3	
SG-4d	13	0.630	0.913	1.186	
SG-5d	24	0.330	0.498	0.671	
SG-6d	27	0.245	0.363	0.526	
SG-7d	25	0.175	0.285	0.443	
VP-4d	69	0.000	0.000	0.156	

- inH_2O = inches of water column





FIGURES







	1			
VALVE AND PIPING SYMBOLS	ABBREVIATIONS			
Image: Sole valve Image: Sole valve <	DP DIFFERENTIAL PRESSURE DO DISSOLVED OXYGEN FC FAIL CLOSED F1 FAIL LOCKED F0 FAIL QUENTIFIER H0A HAND-OFF-AUTOMATIC H3 HAND SWITCH IL INDICATOR LIGHT I/1 CURRENT-TO-CURRENT I/7 CURRENT-TO- PNEUMATIC KC PROGRAM CONTROLLER LC LEVEL CONTROLLER LL LOWER EXPLOSIVE LIMIT R LOCAL-REMOTE LS LEVEL SWITCH LSH HIGH / LOW NO NORMALLY OPEN NC NORMALLY CLOSED P PRESSURE P PRESSURE SWITCH PT PRESSURE TRANSMITTER PRV PRESSURE SWITCH - HIGH SG SIGHT GLASS SP SAMPLING PORT UA UNIVERSAL ALARM FMT FLOW METER AIR FLOW METER NO NORMALLY OPEN NC NORMALLY OPEN NC NORMALLY CLOSED P RESSURE PI PRESSURE SWITCH LS LEVEL SWITCH LSH HIGH / LOW			
PUMP BLOWER	LINE SYMBOLS — PROCESS PIPES OR CHANNELS — — — — ELECTRIC SIGNAL 			
GENERAL INSTRUMENT SYMBOLS O LOCALLY MOUNTED O PANEL MOUNTED O REAR-OF-PANEL MOUNTED INTERLOCK PURGE	PROCESS PIPE PIPE DIAMETER (INCHES) 2' XXX-YY-Z UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU			
No. Date Revision Approved Image: Constraint of the stress o	5 PROCESS AND INSTRUMENTATION LEGEND Figure 8 One Hour Martinizing 4 9 6737 West Milwaukee Avenue Project 6 Wauwatosa, WI 6189			





CHARTS






















APPENDIX A

Boring Logs

Route To

<u>`o:</u>	Watershed/Wastewater] ₩	aste Ma	nagement	
	Remediation/Revelopment		Other		

					5										Page	I	_ of	
Facili	ty/Proje	ct Na	me					Lice	nse/Per	mit/Mo	mitorir	g Nun	nber	Boring	g Num	ber		
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Firm:	Envir	odvn	amics						$\frac{13}{1}$	$\frac{201}{y}$	y y	$\frac{12}{mm}$		$\frac{201}{y}$	<u>v</u> _y	Direc	t Push	i
WIU	nique V	Vell N	lo.	DNR	Well ID	No.	Well Name	Fina	Static	Water	Level	Surfac	e Elev	ation		Boreho	ole Dia	ameter
			_							Feet N	ISL	-		_Feet]	MSL	2.2	<u>5_i</u> i	nches
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Enviroforensics

Facility Boring	/Projec No. : 1	t Name DP-9	e: OHM	I-6140-Wauwa	tosa	Li W	cense/F I Uniqu	Project/Nue Well	Aonitor No. :	ing No.	:		Pag	ge _2	_ of _	
Number and Type	Length Att. & d	Blow Counts	Depth in Feet	So And	il/Rock Description Geologic Origin For Each Major Unit		uscs	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity air	P 200	RQD/ Comments
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		92														

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route	To
and the second se	And in case of

<u>:</u>	Watershed/Wastewater		W	aste Ma	nagement	
	Remediation/Revelopm	ent		Other		

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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Enviroforensics

Facilit Boring	y/Projec No. : 1	t Name DP-10/S	:: OHM SG3	1-6140-	Wauwat	osa			L V	icense/I VI Uniqu	Project/I ue Well	Monitor No. :	ring No	. :		Pag	ge _ 2	_of_	
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Enviroforensics

Facilit Boring	y/Projec 3 No. : 1	t Name DP-11	: OHM	1-6140-Wau	watosa		Lio	cense/P I Uniqu	roject/N e Well	Aonitor No. :	ing No.	. :		Pag	ge _2	_of_	
San	nple												Soil F	roper	ties		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	A	Soil/Rock Des nd Geologic (Each Major	scription Drigin For Unit		USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
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State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To

<u>o:</u>	Watershed/Wastewater	ш	W	aste	Management	
	Remediation/Revelopme	nt		Oth	ет 🔲	

										country of						Page	1	_ of	
Facili	y/Proje	ct Na	me					Lie	cense,	/Perm	nit/Mo	nitorin	g Num	ber	Boring	g Num	ber		
OH	M-6140	-Wau	watosa				teteren ander son versionen				_						SC	5-1	
Boring	g Drille	d By:	Name	e of cre	w chie	f (first, l	ast) and Firm	Da	te Dri	illing	Starte	d	Date I	Drilling	Com	oleted	Drillin	g Metl	hod
Firm:	Envir	odyna	mics	Last I	warne. 14	10111110		m	$\frac{11}{m}$	18 d d	$\frac{201}{y}$) <u>y</u> y	$\frac{11}{m m}$	$\frac{18}{d}$	$\frac{201}{\overline{y}}$	$\frac{0}{\mathbf{y}}$ $\overline{\mathbf{y}}$	Direc	t Push	
WI UI	nique V	ell N	0.	DNR	Well II	No.	Well Name	Fir	nal Sta	atic V	Vater I	evel	Surfac	e Elev	ation		Boreho	ole Dia	meter
											Feet M	ISL			_Feet	MSL	2.2	5_ ir	nches
Local State I	Grid O	rigin		timated	N (N	or Bor	ing Location XI	1	Lat	43	03 '	3.4 "	Local	Grid L	ocatio	n			
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					,	MIL	WAUKEE	4	1						W	auwat	osa City	Y	
Sam	ple		8						T						Soil 1	Prope	rties		
	જ દાં	tts	surfa			Soil/Roc	k Description							e					
H 8.	Ted A	oun	n F		A	nd Geol	ogic Origin For			S		F		ssiv	2		2		suts
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Nun	Rec Ler	Blo	De							5	Crail	Dia Ve	Id	Str	ΝÖ	E.E.	Pla	P 2	80 80
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	1 1		=2	1.0	- 3.0	(1-3)W	ell graded SAND(S	W):Bro	wn	3 11									
			F	h		SAND	with some Silt, Gra	vel, and	h	sc	22%								
			E 4	1		grained	d. Loose and moist	aium		se	55					1		3.5	0
		8	E	3.0	- 6.0	(3-6)Cl	ayey SAND(SC):B	rown										s second se	
		1	E	60	- 7.0	(6-7)W	SAND with some G	W:Lig	bt		12					1			
		8	E	Г 0.0	710	brown	well graded SAND	. Mediu	m	SW						1			
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ALL DOUGHT OF THE OWNER								April day to a second						the state of the s	Contraction in the				The second second

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Enviroforensics

Route To

<u>o:</u>	Watershed/Wastewater 🔲 Waste Manageme	ent 🔲
	Remediation/Revelopment Other	

															Page	1	_ of	
Facilit	y/Proje	ct Na	me					Licen	se/Perr	nit/Mo	nitorir	ig Num	iber	Borin	g Numi	ber		
Borin	OHM-6140-Wauwatosa oring Drilled By: Name of crew chief (first, last) and Firm							Datal		Starts	d	Data	2	Com	lated	Dillio	s=2	
First N	lame: M	lark	144110	Last 1	Name: N	iontalvo	ast) and t min	11	70000 19	201	au N		1.8	201	n	Drinning Method		
Firm:	Envir	odvna	mics						$\frac{10}{d}$	$\frac{201}{y}$	y y	mm		$\frac{201}{y}$	y y	Hand	Auge	r
WI Ur	nique V	Vell N	0.	DNR	Well II	No.	Well Name	Final Static Water Level					e Elev	ation		Boreho	ole Dia	umeter
					and a straightform					Feet M	ISL			_Feet MSL 2.25 inches				nches
Local State F	Grid O	rigin	(es	timated	NI	or Bor	ing Location XI		at 43	03 1	4.2 "	Local	Grid L	ocatio	n			
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	. & . (ii)	ts	surfa			Soil/Roc	k Description						υ					
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Ty	ngth	× O	oth i			Each	Major Unit		SC	phic	eli grar	E	upre	istu	nit	stici ex	8	D III
Nul	Let Rec	Blo	Bel						D	le g	Ŋ. Ś	PIC	Str	δų	Lin	Pla	P 2	No.02
			E	0.0	- 1.0	(0-1)T	OPSOIL(OL): Topso	oil and	OL	1.11								
			E,	1.0	- 6.2	<u>organi</u> (1-6.2)	cs Well graded	/	sw		ſ						2	
			E ²			SAND	SW):Brown SAND	with some]									
			E			Gravel	and trace Silt. Med grained. Loose and	lium to		13.2	5.5							
			E4			slightly	moist							Boring Number SG-2 3 Completed Drilling Method (2010 y y y y y ation Borehole Diameter _Feet MSL 2.25 inches 	10			
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Enviroforensics

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

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THE OWNER WATER OF	ANNO

<u>o:</u>	Watershed/Wastewater	1	Vaste Ma	nagement	
	Remediation/Revelopme	nt 🗖	Other		

								00555						Contraction and account	Page		_ of		
Facilit	y/Proje	ect Na	me					Licer	se/Peri	nit/Mo	nitorir	g Nun	nber	Boring	g Numi	ber			
OH	M-6140)-Wau	watosa			A (G)										SC	G-4		
Boring	g Drille	d By:	Name	e of cre	ew chie	t (first, l	ast) and Firm	Date	Drilling	g Starte	:d	Date I	Drilling	Com	oleted	Drillin	g Mei	hod	
Firm:	Envii	lark rodyna	amics	Last	Name: N	lontaivo		$\frac{11}{m}$	$\frac{18}{d}$	$\frac{201}{y}$	0 <u>y</u> y	$\frac{11}{m m}$	$\frac{18}{d}$	$\frac{201}{y}$	$\frac{0}{y} - \frac{1}{y}$	Direc	t Push	(
WI Ur	nique V	Vell N	o.	DNR	Well II	No.	Well Name	Final	Static	Water	Level	Surfac	e Elev	ation		Boreho	ole Dia	ameter	
					~	_				Feet M	ISL	-		_Feet	MSL	2.2	5 ii	nches	
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	1/4 of		_ 1/4 of	Sectio	n	_, T	N. R	Lo	ng <u>87</u>	59	46.5		F	eet 🗖	S		Feetlad W		
Facilit	Facility ID County MILWAUKEE							County (Code	Civil	Town/	City/ o	r Villa	ge W	auwat	osa City	Ŷ		
Sam	ple		0					and the second			14			Soil	Prope	rties			
	& î	ŝ	et al			Soil/Roc	k Description		1										
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ber	th /	ပိ	i in			Each	Major Unit		S	ю.	E	E	gth	ar	Ψ.,	city	-	/ ueu	
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			E	0.0	- 0.5	(0-0.5)	PAVEMENT(PA):	Asphalt,	PA	V_{+}									
			E.	105	3.0		ent road base		SW		1								
				0.5	- 5.0	SAND	(SW):Reddish brow	n Gravelly	/										
			F	h		SAND	with Silt and Clay.												
			E ₄		7.0	Slightl (3.7)Pr	y moist.		SP								-		
			E	3.0	- 7.0	SAND	(SP):Poorly graded	SAND wit	h		L .								
			F			little C	lay. Very fine grain	ned									18785.		
						and sli	ghtly loose.					- A -				×.			
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Enviroforensics

State of Wisconsin Department of Natural Resources SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	V

Watershed/Wastewater

Waste Management
Other

													Pag	e 1	of	2
Facilit	y/Projec	et Nar	ne			License/	Permit/	Monito	ring Nu	ımber		Boring	Numbe	er DD	10	
Boring	M W8	$\frac{1}{1}$ By:	tosa Name o	f crew chief (first_last)	and Firm	Date Dri	-3319 Iling St	23 arted		Da	te Drilli	rilling Completed Drilling				ing Method
Ton	v Kar	n Dy.		r crew cilier (llist, last)								ng Con	iipieteu	Dim	Drining Method	
On-	Site	Jugi				10/23/2012					1	10/23/2012 Direct Pu				
WI Un	ique W	ell No	Э.	DNR Well ID No.	Common Well Name	Final Sta	tic Wat	er Leve	el	Surfac	e Elevat	tion		Во	rehole	Diameter
							Feet N	MSL			Fee	t MS	Ĺ		2.0	inches
Local	Grid Oi	rigin	(e	stimated: 🗌) or Bo	bring Location \square	La	t 43	• 3	; '	4.1 "	Local C	Grid Loo	cation			_
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Facilit	v ID	01	1	County	1 N, K	County Co	de [Civil T	own/Ci	$\frac{10.0}{\text{tv/ or V}}$	Village	reet			1	
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San	nple											Soil	Prope	erties		
	n) k		÷.	Soil/	Rock Description											
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lber Гуре	gth ⊿ vere	, Co	h In	Ea	ach Major Unit		CS	hic	ram	FD	pres	sture	t id	icity x	0	mer
Num Dun	Leng	3low	Dept		5		SD	Grap	<u>Vell</u> Diag	D/	Com	Mois	imi	Plast	5 20	Com Com
		I	+	(0'-1') CONCRE	TE: Concrete parking	ng	Concret					~ ~		4 1	Π	<u> </u>
			Ē	area.	1											
			E ^{-1.5}	(1'-2') Gravel R	badbase: Gravel Fill		GW									
			-	beneath concrete	pad.	/	OL			0.8						
			= 3.0	$(2^{-2}.75^{\circ})$ ORGA	NIC(OL):Highly	lightly										
			-	stiff, moist.	Diown Sinty Ciay, S	Inginity	ML/SC									
			E ^{-4.3}	(2.75'-5') SILT(N	MLS):Brown Sandy	SILT,										
			E_60	loose, fine Sand,	dry.	/	SP									
			- 0.0	(5'-7') SAND(SP):Brown SAND, fin	e	51									
			E-75	grained, trace Sil	I, SIIgnuy Moist.				- • •							
			-	through large gra	ined with Gravel and	nd Silt										
			-9.0	slightly moist, lo	ose.	,										
			E													
			-10.5	;						1.7						
			E				SW									
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			E													
			-13.5	5												
			F													
			-15.0	(15'-17 5') SILT	Brown Gravelly SII	Т			-							
				trace fine Sand, 1	oose, slightly moist.	,	МТ									
			-16.5				IVIL									
			Ë.	(17 5' 27 5') GAN	D.Brown Crovaller				_ .							
			E ^{18.0}	SAND. fine throw	ugh coarse grained f	trace										
			+ 10 -	Silt, loose, moist			SW									
			F ^{19.5}	1					•							

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Enviroforensics	Tel: 317-972-7870
		N16 W23390 Stone Ridge Dr Suite G Waukesha WI 53188	Fax:

Boring Numl	ber	DP-	12 Use only as an attachment to Form 4400-	122.						Pag	je 2	of	2
Sample									Soil	Prope	rties		
Number and Type Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Number and Typ Length / Recover	Blow CC	-21.0 -22.5 -24.0 -25.5 -27.0 -31.5 -33.0 -34.5	Each Major Unit (17.5'-27.5') SAND:Brown Gravelly SAND, fine through coarse grained, trace Silt, loose, moist. (continued) (27.5'-31') SAND(SW):Brown SAND, fine through coarse, no trace grains, loose, moist. (31'-33') SAND(SP):Brown SAND, fine grained, trace fine Gravel, loose, moist. (33'-35') SAND(SW):Grayish-Brown Gravelly SAND, fine through coarse grained, loose, moist.	SW SW SW SW	Graphic	Well	0.4	Compre	Moisture Content	Liquid	Plasticit. Index	P 200	RQD/ Commer



APPENDIX B

Laboratory Report



EnvisionAir 1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882 www.envision-air.com

Mr. Collin Martin Enviroforensics 602 N. Capitol Ave. Suite 210 Indianapolis, IN 46204

July 18, 2016

EnvisionAir Project Number: 2016-406 Client Project Name: 6140

Dear Mr. Martin,

Please find the attached analytical report for the samples received July 5, 2016. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

Stanty a. Munnicutt

Stan Hunnicutt

Project Manager EnvisionAir, LLC



Client Name: ENVIROFORENSICS

Project ID: 6140

Client Project Manager: COLLIN MARTIN

EnvisionAir Project Number: 2016-406

Sample Summary

START START Lab Date Time End Date End Time Date Time Initial Field Final Field Received Laboratory Sample Number: Sample Description: Matrix: Collected: Collected: Collected: Received: Received <u>(in. Hg)</u> <u>(in. Hg)</u> <u>(in. Hg)</u> 6140-SVE-1D-2 16-1431 6/28/16 6/28/16 7/5/16 -28 А 11:20 11:27 15:14 -2 -2 6140-SVE-1D-3 6/28/16 6/28/16 7/5/16 -28 -3 -3 16-1432 А 12:41 12:47 15:14 6140-SVE-1S-2 16-1433 А 6/28/16 18:25 6/28/16 18:30 7/5/16 15:14 -28 -4 -4 16-1434 6140-SVE-1S-3 А 6/29/16 8:18 6/29/16 8:23 7/5/16 15:14 -29 -4 -4

Canister Pressure / Vacuum



Client Name:	ENVIROFORENSICS			
Project ID:	6140			
Client Project Manager:	COLLIN MARTIN			
EnvisionAir Project Number:	2016-406			
Analytical Method: Analytical Batch:	TO-15 071116AIR			
Client Sample ID:	6140-SVE-1D-2	Sample Collection START Date/Time:	6/28/16	11:20
Envision Sample Number: Sample Matrix:	16-1431 AIR	Sample Received Date/Time:	7/5/16	15:14
Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	Flag	
cis-1,2-Dichloroethene	< 39.6	39.6	1	
Tetrachloroethene	1,000	31.9	1	
trans-1,2-Dichloroethene	< 39.6	39.6	1	
Trichloroethene	< 10.7	10.7	1	
Vinyl Chloride	< 6.4	6.4	1	
4-bromofluorobenzene (surroga	te) 85%			
Analysis Date/Time:	7-14-16/03:16			
Analyst Initials	tjg			



Client Name:	ENVIROFORENSICS			
Project ID:	6140			
Client Project Manager:	COLLIN MARTIN			
EnvisionAir Project Number:	2016-406			
Analytical Method: Analytical Batch:	TO-15 071116AIR			
Client Sample ID:	6140-SVE-1D-3	Sample Collection START Date/Time:	6/28/16	12:41
Envision Sample Number: Sample Matrix:	16-1432 AIR	Sample Received Date/Time:	7/5/16	15:14
Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	Flag	
cis-1,2-Dichloroethene	< 39.6	39.6	1	
Tetrachloroethene	1,120	31.9	1	
trans-1,2-Dichloroethene	< 39.6	39.6	1	
Trichloroethene	< 10.7	10.7	1	
Vinyl Chloride	< 6.4	6.4	1	
4-bromofluorobenzene (surroga	te) 85%			
Analysis Date/Time:	7-14-16/03:54			
Analyst Initials	tjg			



Client Name:	ENVIROFORENSICS			
Project ID:	6140			
Client Project Manager:	COLLIN MARTIN			
EnvisionAir Project Number:	2016-406			
Analytical Method: Analytical Batch:	TO-15 071116AIR			
Client Sample ID:	6140-SVE-1S-2	Sample Collection START Date/Time:	6/28/16	18:25
Envision Sample Number: Sample Matrix:	16-1433 AIR	Sample Received Date/Time:	7/5/16	15:14
Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	Flag	
cis-1,2-Dichloroethene	< 39.6	39.6	1	
Tetrachloroethene	17,100	510	3	
trans-1,2-Dichloroethene	< 39.6	39.6	1	
Trichloroethene	< 10.7	10.7	1	
Vinyl Chloride	< 6.4	6.4	1	
4-bromofluorobenzene (surrogat	te) 86%			
Analysis Date/Time:	7-14-16/04:32			
Analyst Initials	tjg			



Client Name:	ENVIROFORENSICS			
Project ID:	6140			
Client Project Manager:	COLLIN MARTIN			
EnvisionAir Project Number:	2016-406			
Analytical Method: Analytical Batch:	TO-15 071116AIR			
Client Sample ID:	6140-SVE-1S-3	Sample Collection START Date/Time:	6/29/16	8:18
Envision Sample Number: Sample Matrix:	16-1434 AIR	Sample Received Date/Time:	7/5/16	8:23 15:14
Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	Flag	
cis-1,2-Dichloroethene	< 39.6	39.6	1	
Tetrachloroethene	5,310	128	2	
trans-1,2-Dichloroethene	< 39.6	39.6	1	
Trichloroethene	< 10.7	10.7	1	
Vinyl Chloride	< 6.4	6.4	1	
4-bromofluorobenzene (surroga	te) 87%			
Analysis Date/Time:	7-14-16/05:10			
Analyst Initials	tjg			



EnvisionAir Batch Number:

Analysis Date/Time:

Analyst Initials

Analytical Report

TO-15 Quality Control Data

071116AIR

7-13-16/05:36

tjg

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags		
cis-1,2-Dichloroethene	< 5	5			
Tetrachloroethene	< 0.47	0.47			
trans-1,2-Dichloroethene	< 10	10			
Trichlorethene	< 0.2	0.2			
Vinyl Chloride	< 0.5	0.5			
4-bromofluorobenzene (surrogate)	91%				
Analysis Date/Time:	7-13-16/07:36				
Analyst Initials	tjg				
			LCS/D	LCS	LCSD
LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.
Vinyl Chloride	8.82	8.74	10	88%	87%
trans-1,2-Dichloroethene	10.3	10.3	10	103%	103%
cis-1,2-Dichloroethene	9.66	9.61	10	97%	96%
Trichloroethene	9.6	9.54	10	96%	95%
Tetrachloroethene	11	11	10	110%	110%
4-bromofluorobenzene (surrogate)	91%	83%			

7-13-16/06:19

tjg

 RPD
 Flag

 0.9%

 0.0%

 0.5%

 0.6%

 0.0%



Flag Number

3

Comments

- Reported value is from a 10x dilution. TJG 7-18-16
 Reported value is from a 40x dilution. TJG 7-18-16
 - Reported value is from a 160x dilution. TJG 7-18-16

CHAIN OF CUSTODY RECORD

EnvisionAir Proj#: 2016-406 Page of _____

EnvisionAir | 1441Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882

Client: NFO	20	P.O. N	umber: 7	20166	46]		FOUR	CTED	DADAME	FERC	_			
Report 602 N Capit Address: Indianapolis	tol Au IN 4620	< Project	t Name or	Number:	967H		ŀ	EQUE	SIED						ing the
Report To: Callin Ma	entin	Sample	ed by:	. Scha	cht	1		/	/	//		Er	NVI	SIC	NIAID
Phone: 317-614-0	594	QA/QC	Required	: (circle if appl el III (Lev	icable) rel IV		/	/ ,	2		/ ٦		NVI	SIC	
Invoice Address: SAME		Report ug/m	ing Units r	needed: (circ 1 ³ PPBV	cie) PPMV		1	Story Ling	3/	/ /	Soil-Gas:	•	ualay of	vision air c	som
Desired TAT: (Please Circle One 1 day 2 days 3 days Std (5) 5 bus. days)	Media type	e: 1LC = 1 Liter 6LC = 6 Liter TB = Tedlar TD = Therm	Canister Canister Bag al Desorption Tub	e	/	2/2	5.0	/	/	Indoor-Air:	Caniste	r Pressure /	Vacuum	om
Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)	and the second				Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6140-SVE-10-2	1LC	6-28-16	11:20	6-28-16	1127	X-	>			84046		-28	-2	-2	16-1431
6140-SVE-10-3	1LC	6-28-16	12:41	6-28-16	12:47	X	>		- 1	2219		-28	-3	-3	16-1432
6140-SVE-15-2	1LC	6-28-16	18:25	6-28-16	1830	X	>		1	83738		-28	-4	-4	16-1433
6140-SVE-15-3	1LC	6-29-16	68:18	6-79-16	68:23	χ-	>			83839		-29	-4	-4	16-1434
		1					2				2.8				
	1	2000 E					6			e tra					
Comments: Sample date f	for to	140-4	SVE-1	15-3 1	s 6-1	29-1	(6)	 R_ 	smp	all ser	plected	- To-	15 S	ot Tes	ting Activitie
Relino	quished	by:			Date		Time		<i>n</i> .	Rec	eived by:	4	Da	ate	Time
hud the	2			1			1.14		Bla	in a	rille		7/5	114	3)14



APPENDIX B

WDNR Form 4400-214D

Site Name: One Hour Martinizing, Wauwatosa BRRTS #: 02-41-551923

\$ \$

- \$

Type of Action: Remediation

Dry Cleaner Environmental Response Program Reimbursement Cost Detail Linking Spreadsheet Form 4400-214D (R 08/12)

TASKS							DERF	COST BREAM	COUT (this cla	aim)				
Bid / Budgeted Description	EnviroForensics Work Scope October 2018	Total Approved Budget	Previous Claims (If applicable)	Total Invoiced Costs	A Soil Investigation	B Soil Remediation	C Groundwater Investigation	D Groundwater Remediation	E Air/Vapor Investigation	F Air/Vapor Remediation	G Lab & Other Analysis	H Miscellaneous Costs	Budget Remaining Use (-) to indicate cost over-run	% Task Complete, Remarks
Consultant Costs														
23a SVE Remedial System Design	\$ 19,591.00	\$ 19,591.00		\$-									\$ 19,591.00	100%
23b SVE Infrastructure Installation	\$ 20,173.20	\$ 20,173.20		\$ -									\$ 20,173.20	
23c SVE System Rental and O&M (one year)	\$ 20,830.80	\$ 20,830.80		\$ -									\$ 20,830.80	
23d Data Analysis and Bi-annual Reporting	\$ 9,157.30	\$ 9,157.30											\$ 9,157.30	
23e Year End Confirmation Sampling	\$ 8,408.85	\$ 8,408.85		\$ -									\$ 8,408.85	
23f Project Management	\$ 12,016.80	\$ 12,016.80		\$ -									\$ 12,016.80	
		\$ -		\$ -									\$-	
		\$ -		\$-									\$ -	
		\$ -		\$-									\$-	
		\$ -		\$-									\$-	
		\$ -		\$ -									\$ -	
		\$ -		\$-									\$-	
		\$ -		\$ -									\$-	
Consultant Cost Total	\$ 90,177.95	5 \$ 90,177.95	\$ -	\$ -	\$-	\$-	\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,177.95	
Sub-Contractor Costs											1			
SVE Upgrades and Infrastructure Installation	\$ 50,760.00	\$ 50,760.00		\$ -	ľ	1				1	1		\$ 50,760.00	
Private Utility Locates (2)	\$ 1,200.00	\$ 1,200.00				1							\$ 1,200.00	
Electrical Installation	\$ 8,000.00	\$ 8,000.00											\$ 8,000.00	
Sve Equipment Rental	\$ 26,400.00	\$ 26,400.00		\$ -									\$ 26,400.00	
Monthly Electrical Usage (12 months)	\$ 8,400.00	\$ 8,400.00		\$ -									\$ 8,400.00	
Telemetry Charges	\$ 2,000.00	\$ 2,000.00											\$ 2,000.00	
Driller	\$ 2,500.00	\$ 2,500.00											\$ 2,500.00	
Analytical Laboratory	\$ 3,330.00	\$ 3,330.00											\$ 3,330.00	
Waste Water & Drill Cutting Disposal	\$ 780.00	780)										\$ 780.00	
Sub-Contractor Cost Total	\$ 103,370.00	\$ 103,370.00	\$ -	\$ -	\$-	\$-	\$-	\$ -	\$ -	\$ -	\$ -	\$-	\$ 103,370.00	
DERF ELIGIBLE SUB-TOTALS	\$ 193,547.95	5 \$ 193,547.95	\$-	\$-	\$-	\$-	\$-	\$-	\$ -	\$-	\$-	\$-	\$ 193,547.95	
Non-DERF Eligible Expenses Attorney-Directed Tasks				\$ -			Total DERF Eligi	ble Costs This	Claim	\$ -				
Subcontractor Markup				\$ -	1									

Non-DERF Cost Total

INVOICE GRAND TOTAL



APPENDIX C

Detailed Cost Breakdown Sheets

TABLE 1 COST ESTIMATE OHM - Wauwatosa SVE Remediation With One Year O&M Wauwatosa, WI											
TASK		LABOR COSTS	SUB-CONTRACTOR COSTS	DIRECT COSTS	TOTAL COST						
	Phase 23a										
SVE System Design		\$19,495.00	\$0.00	\$96.00	\$19,591.00						
	Phase 23b										
SVE Infrastructure Installation		\$18,620.00	\$59,210.00	\$1,553.20	\$79,383.20						
	Phase 23c										
SVE System Rental and O&M for 12 Months		\$16,520.00	\$39,310.00	\$4,310.80	\$60,140.80						
	Phase 23d										
Data Analysis and Bi-annual Performance Repo	rting	\$9,120.00	\$0.00	\$37.30	\$9,157.30						
	Phase 23e										
Year End Confirmation Sampling		\$7,530.00	\$4,850.00	\$878.85	\$13,258.85						
	Phase 23f										
Project Management (through design and one y	ear O&M)	\$12,000.00	\$0.00	\$16.80	\$12,016.80						
TOTAL		\$83,285	\$103,370	\$6,893	\$193,547.95						

NT I OT	OHM - Wauwa	atosa		ENVIRO Grensic				
Number/Name:	6140			_	ENVIRO	7-1211	3/6	
	9/17/2018			_		20 20		
	Phase 23a	SVE System	Design					
Labor - Field	Price	Unit	# Units			Subtotal	Tasl	
Director Technical Services	\$ 175.00	hr	ļ	\vdash		\$0.00		
Sr. Engineer	\$ 155.00	hr	ļ			\$0.00		
Sr Project Manager	\$ 155.00	hr	<u> </u>			\$0.00		
Sr Professional	\$ 155.00	hr	<u> </u>			\$0.00		
Project Manager	\$ 130.00	hr		├ ──┼─		\$0.00		
Project Professional	\$ 130.00	hr	4	<u> </u>		\$0.00		
Staff Professional	\$ 120.00	hr	4	<u> </u>		\$0.00		
Field Professional	\$ 95.00	hr	┫	├ ──┼─		\$0.00		
Health & Sarety Specialist	\$ 130.00	hr	1			\$0.00	50	
						\$0.00	30	
Labor - Office/Reporting	Price	Unit	# Units			Subtotal	Tasl	
Director Technical Services	\$ 175.00	hr	3.0	ł – – † –		\$525.00		
Sr. Engineer	\$ 155.00	hr	12.0	<u> </u>		\$1,860.00		
Sr Project Manager	\$ 155.00	hr	1	 		\$0.00		
Sr Professional	\$ 155.00	hr	90.0	<u>i i</u>	i i	\$13,950.00		
Project Manager	\$ 130.00	hr	1	1		\$0.00		
Project Professional	\$ 130.00	hr	1			\$0.00		
Staff Professional	\$ 120.00	hr	15.0			\$1,800.00		
Field Professional	\$ 95.00	hr				\$0.00		
Drafting	\$ 85.00	hr	16.0			\$1,360.00		
Admin	\$ 65.00	hr				\$0.00		
Health & Safety Specialist	\$ 130.00	hr				\$0.00		
						\$19,495.00	\$19,4	
Contractors/Consultants	Price	Unit	# Units	Markun	1	Subtotal	Tas	
Utility Loosta		IS	# Onto	1.00		\$0.00	1	
Duitty Locate		15	┨─────	1.00		\$0.00		
Surveyor		LS		1.00		\$0.00		
Waste Dienocal		LS	+	1.00		\$0.00		
Historical Database Report		LS	1	1.00		\$0.00		
Remediation		LS	1	1.00		\$0.00		
			1	1.00		\$0.00		
				1.00		\$0.00		
	I	í		1.00		\$0.00		
I				1.00				
				1.00		\$0.00		
				1.00		\$0.00 \$0.00	\$(
Contractor/Consultant_Laboratory	Buigo	Unit	# Units	Maslam		\$0.00 \$0.00	\$(
Contractor/Consultant - Laboratory	Price	Unit	# Units	Markup		\$0.00 \$0.00 Subtotal	SI	
Contractor/Consultant - Laboratory Soil VOC 3260 day wt	Price \$ 83.50 \$ 22.50	Unit ea	# Units	Markup 1.00		\$0.00 \$0.00 \$ubtotal \$0.00 \$0.00	S	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QA/QC	Price \$ 83.50 \$ 83.50 \$ 83.50	Unit ea ea	# Units	Markup 1.00 1.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	S	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260	Price S 83.50 S 83.50 S 70.00 S 70.00	Unit ea ea	# Units	Markup 1.00 1.00 1.00 1.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	S	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8	Price \$ 83.50 \$ 83.50 \$ 70.00 \$ 70.00 \$ 70.00 \$ 200.00	Unit ea ea ea ea	# Units	Markup 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	S	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 QAQC GW VOC 8260 QAQC Air TO-15 - Soil Gas	Price \$ 83.50 \$ 70.00 \$ 70.00 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00	Unit ea ea ea ea ca	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	S	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 QAQC Air TO-15 - Soil Gas Air TO-15 - Soil Gas Air To-15 - Soil Gas	Price \$ 83.50 \$ 83.50 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00	Unit ea ea ea ea ea	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.00 Subtotal \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	S	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt QAQC GW VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - Sub-Sala Air To-15 - Jandor Air Data Castlo-Sala	Price \$ 83.50 \$ 70.00 \$ 700.00 \$ 700.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00	Unit ca ca ca ca ca ca ca ca	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	S	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 Air TO-15 - Soil Gas Air TO-15 - Soil-Slab Air TO-15 - Soil-Slab Air TO-15 - Modor Air Air TO-15 - Modor Air Air TO-16 - Geoffection Air TO-16 - Geoffection	Price \$ 83.50 \$ 83.50 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00 \$ \$ 50.00 \$ \$ 50.00	Unit ca ca ca ca ca ca ca ca ca	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 QAQC Air TO-15 - Soil Gas Air TO-15 - Sub-Slab Air TO-15 - Sub-Slab Air To-15 - Bub-Slab Air - Indrovalal Certification Air - Indrovalal Certification Air - Indrovalal Certification Ti- Bub-V (VC; 8260)	Price \$ 83.00 \$ 83.50 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00 \$ 50.00 \$ 70.00	Unit ca ca ca ca ca ca ca ca ca ca ca ca ca	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	S	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 GW VOC 8260 Air TO-15 - Sul-Slab Air TO-15 - Sub-Slab Air TO-16 (Cold (C	Price \$ 83.50 \$ 70.00 \$ 700.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00 \$ 50.00 \$ 50.00	Unit ca ca ca ca ca ca ca ca ca ca ca ca ca	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$(
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 Air TO-15 - Sub-Slab Air TO-15 - Sub-Slab Air TO-15 - Sub-Slab Air TO-15 - Sub-Slab Air TO-15 - Modor Air Air - Bath Certification Air - Bath Certification Air - Bath Certification Lip Blank VOCs 8260 Level IV QAQC (15%)	Price \$ 83.50 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00 \$ 70.00	Unit ca ca ca ca ca ca ca ca ca LS ca	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 ywt QAQC GW VOC 8260 GW VOC 8260 QAQC Air TO-15 - Soil Gas Air TO-15 - Indoor Air Air - Individual Certification Air - Individual Certification Air - Individual Certification Lip Blank VOCs 8260 Level IV QAQC (15%)	Price \$ 83.50 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00 \$ 50.00 \$ 70.00	Unit ca ca ca ca ca ca ca ca ca ca ca ca ca	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	Si Si	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt GW VOC 8260 dry wt GW VOC 8260 dry wt GW VOC 8260 dry wt Air To-15 - Soil Gas Air To-15 - Sub-Salb Air To-15 - Sub-Salb Air To-15 - Lindoor Air Air - Hach Certification Air - Bach Certification Trip Blank VOCs 8260 Level IV QAQC (15%)	Price \$ 83.50 \$ 70.00 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00 \$ 50.00 \$ 70.00 \$ 70.00 \$ 70.00 \$ 70.00	Unit ca ca ca ca ca ca ca ca ca LS ca Unit	# Units	Markup 1.00		\$0.00 \$0.00	Si Si	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 dry wt QAQC Air TO-15 - Soil Gas Air TO-15 - Soil Gas Air TO-15 - Soil Gas Air TO-15 - Indor Air Air - Bach Creiffeation Air - Bach Creiffeation Trip Blank VOCs 8260 Level IV QAQC (15%)	Price \$ 83.50 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00 \$ 50.00 \$ 70.00 \$ 50.00 \$ 70.00 \$ 70.00 \$ 70.00 \$ 70.00 \$ 70.00	Unit ca ca ca ca ca ca ca ca ca ca unit day	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.00	Si Si	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 GW VOC 8260 Air To-15 - soil Gas Air To-15 - sub-Sabb Air To-15 - sub-Sabb Air To-15 - sub-Sabb Air - Indvivial Certification Trip Blank VOCs 8260 Level IV QAQC (15%) Direct Costs - Expenses Hotel Meals	Price \$ 83.50 \$ 70.00 \$ 70.00 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00 \$ 120.00 \$ 67.00	Unit ca ca ca ca ca ca ca ca LS ca Unit day LS	# Units	Markup 1.00		\$0.00 \$0.000 \$0.000 \$0.000 \$0.0000\$00 \$0.000\$000\$	5	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 Air TO-15 - Sub-Slab Mare Norce S260 Level IV QA/QC (15%) Direct Costs - Expenses Hotel Meals Mise Materials	Price \$ 83.50 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00	Unit ca ca ca ca ca ca ca ca ca ca ca LS ca LS LS LS	# Units	Markup 1.00		\$0.00 \$0.000 \$0.00 \$0.000\$00 \$0.000\$00 \$0.000\$00\$00\$00\$00\$00\$00\$00\$00\$00\$00\$00\$	5	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 Air To-15 - Soil Gas Air To-15 - Soil Gas Air To-15 - Sub-Slab Air - Batch Certification Air - Batch Certification Air - Batch Certification Level IV QAQC (15%) Direct Costs - Expenses Hotel Mise Matrials Equipment Rental	Price S 83.50 S 70.00 S 70.00 S 70.00 S 200.00 S 200.00 S 50.00 S 50.00 S 50.00 S 70.00 S 70.00 S 70.00 S 70.00	Unit ca ca ca ca ca ca ca ca ca LS ca Unit day LS LS LS	# Units	Markup 1.00		\$0.00 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.001 \$0.002 \$0.003 \$0.003 \$0.004 \$0.005 \$0.005 \$0.006 \$0.007 \$0.007 \$0.007 \$0.007 \$0.007 \$0.007 \$0.007 \$0.007	5	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 QAQC Air TO-15 - Sub-Slab Air To-16 - Sub-Slab Air To-16 - Sub-Slab Air - Bath Cretification Trip Blank VOCs 8260 Level IV QA/QC (15%) Direct Costs - Expenses Hotel Meals Mise Materials Equipment Rental	Price \$ 83.50 \$ 70.00 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00	Unit ca ca ca ca ca ca ca ca ca tLS ca Unit day LS LS LS LS	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.000 \$0.000 \$0.000 \$0.0000\$00 \$0.000\$000\$	5	
Contractor/Consultant - Laboratory Soii VOC 8260 dry wt Soii VOC 8260 dry wt GW VOC 8260 GW VOC 8260 GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - Soil Gas Air To-15 - Sub-Slab Air - Indrivalal Certification Air - Indrivalal Certification Trip Blank VOC 8260 Level IV QA/QC (15%)	Price S 83.50 S 70.00 S 70.00 S 200.00 S 200.00 S 50.00 S 50.00 S 50.00 S 50.00 S 70.00 S 70.00 S 70.00 S 70.00 S 70.00	Unit ca ca ca ca ca ca ca ca ca ca LS ca LS ca LS LS LS LS LS	# Units	Markup 1.00		\$0.00 \$0.000 \$0.00 \$0.00 \$0.00 \$0.000\$00\$0 \$0.000\$00\$00\$00\$00\$00\$00\$00\$00\$00\$00\$00\$	5	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 Air TO-15 Soil Gas Air TO-15 Soil Gas Air TO-15 Soil Gas Air TO-15 Indoor Air Air To-16 Indoor Air Air Batch Criffication Trip Blank VOCs 8260 Level IV QAQC (15%) Direct Costs - Expenses Hotel Meals Mise Materials Equipment Rental	Price \$ 83.50 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00	Unit ca ca ca ca ca ca ca ca ca ca ca LS ca LS LS LS	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		\$0.00 \$0.00	SI SI	

Driver Order Carly Support Vehicle - Full Day Support Vehicle - Full Day Mileage at Federal IRS Rei Air Velocity Meter (per us Reinstein Conductivity Dissolved Oxygen Meter FID Foxboro-Sensidyne (T Flow Calibrator Meters) Muther Meter FID Foxboro-Sensidyne (T Flow Calibrator Meters) Putto 250 OVM Turbity Meter ppb RAE Dozone Lask Detector Infine Cozone Meter ORP Meter Dar State Ory FiD rows (Sampling Bladd Development Pump Electric Submershole Pump Low-Flow Sampling Bladd Peristatils: Pump Protabe Sty Lint - 1.5 III Intrinsically Safe Vapor Ev Pretumatic Low-Flow Sam Absetsos Sampling Carl Absetsos Sampling Carl Absetsos Sampling Carl Absetsos Sampling Carl Absetsos Sampling Carl Absetsos Sampling Carl Absetsos Sampler Descaler Data Logger with Transdu Weil Capa Elec: Well Souther (Probe Metal Detector S035 Sample Kit) PT Plags Field Book Field Book Nither Large Filter - Small Generator All Capa Elec: Well Souther (Probe Metal Detector S035 Sample Kit) PT Plags Field Book Nither Large Filter - Small Generator All Capa Elec: Well Souther (Probe Metal Detector S035 Sample Kit) PT Plags Filter - Small Generator All Capa Elec: Well Souther (Probe Metal Detector S035 Sample Kit) PT Tubing (Bonded) - Polyeth Tubing - Polyethylene: 1/1 Tubing - Polyethylene: 1/1	Direct Costs - Chargeable Equipment Expense	Ra (hr/u	ite mit)	# Hrs/Units	Rate	# davs/use	Rate	# weeks/use	Subtotal	
Support Vehicke - Full Day Mileage at Federal IRS Rei Air Velocity Metr (per use Multimetr Conductivity Dissolved Oxygen Meter HD Toxboro Sensidyne (T Filo Toxboro Sensidyne (T Filo Toxboro Sensidyne (T Filo Toxboro Sensidyne (T Puro Calibrator Imited Coxone Leak Detector Imite Ozone Leak Detector Dorae Leak Detector Development Pump Electric Submersible Pump Electric Submersible Pump Low-Flow Sampling Bladd Purning E AcE Accessory F Portable SVE Unit - 1.5 till Matterin (Nort-Disposable) Bailers (Disposable) Core Boxes Core Boxes Core Boxes Core Boxes Core Boxes Core Songeler De-ecaler Data Logger with Transdu Weil Caps Elec. Well Sounder (Probe Mather Langer Filder Langer Filder Langer Filder Langer Filder Langer Fi	Field Vehicle - Full Day	\$ 2	20.00	# III's/ Clifts	\$ 130.00	\$ 0.50	(weeks/use)	weeks/use	\$ 65.00	
Mileage at Federal IRS Rei Air Velocity Meter (per use) Builtmeter Conductivity FD Foxboro Sensidyme (T Fiber Conductivity FD Foxboro Sensidyme (T FD Foxboro Sensidyme (T PiD or \$80 OVM Turbidity Meter PD F RAE Ozone Leak Detector Inline Ozone Meter ORP Meter Development Pump Electric Submersible Pumg Purimpil Cest Accessory E Portable SVE Unt - 1.5 III Arbestos Sampling Blad Protable SVE Unt - 1.5 III Abbestos Investigation Sup Abbestos Sampling Core Bailers (Disposable) Core Boxes Core Boxes Core Boxes Core Boxes Core Boxes Other Filet - Small Generator Han	Support Vehicle - Full Day	\$ 3	30.00		\$ 180.00				\$ -	
Air Velocity Meter (per use) Multi-meter Conductivity PD Doboro/Sensidier (T) FD Doboro/Sensidier (T) FD Dor 380 OVM Turbidity Meter pb R KAE Ozone Leak Detector ORP Meter PUT Dor 380 OVM Turbidity Meter pb R KAE Ozone Leak Detector ORP Meter Evertic Submersible Pump Evertic Submersible Pump Evertic Submersible Pump Pumps Partiable SVE Unit - 1.5 HI Absetsos Sampling Cat Absetsos Sampling Cat Absetsos Investigation Sup Absetsos Investigation Sup Absetsos Investigation Sup Absetsos Sampling Cat Bailers (Disposable) Core Boxs Core Boxs Core Sampler Eec. Well Sounder (Probe Metal Detector Pallecks PD Bularness Staam Cleaner Tinanducer (a) Ozne Air Filter Holder Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth	Mileage at Federal IRS Reimbursement Rate (used only for daily use over 230 miles)	\$ (0.545						s -	
Dissolved Oxygen Meter FID Foxboro/Sensidync (T) PiD Calibration PiD Calibration PiD Calibration PiD Calibration PiD Fox Star OXM Turbidity Meter PiD Fox Mater ORP Meter Development Pump Exercite Submersable Pump Puringin Test Accessory E Portable SVE Unit - 1.5 HI Abestos Sampling Ritd Protable SVE Unit - 1.5 HI Abestos Sampling Core Balers (Non-Disposable) Core Sampler Descalar Data Logger with Transdu Well Caps Elec. Well Sounder (Probe Nintis Sumpler, Gloves (D) Core Sampler Descalar Data Logger with Transdu Well Caps Elec. Well Sounder (Probe Nintis Sumpling Gloves (D) Pallecks Passive Diffusion Bag PDB Harness	Air Velocity Meter (per use) Multi-meter Conductivity/nH/Temp/TDS				\$ 25.00 \$ 165.00				\$ - \$ -	
FID Toxboro/Sensityne (1) Flow Cabbrator Methane Meter PID or S80 OVM Turbukity Meter pb RAE Ozone Leak Detector ORP Meter Development Pump Evelopment Pump Evelopment Pump Evelopment Pump Pumps Tow Stopping Blad Peristalike Pump Puming Test Accessory E Partialito Staff Vapor Experision Partialito Staff Vapor Experision Baiters (Non-Disposable) Core Sampler Descalar Data Logger with Transdur Well Caps Elec. Well Sounder (Probe Metal Detector S035 Sample Kit PT Plugs Filter - Large Filter - Small Generator Handa Auger Helium QAOC Accessorir Oil Water Interface Probe Nitrle Sampling Gloves (D Passive Diffusion Bag Publicy Bonded) - Polyeth Timoling (Bonded) - Polyeth Timoling (Bonded) - Polyeth Tinding (Bonded) - Polyeth	Dissolved Oxygen Meter				\$ 40.00				\$ -	
Meters PID 05 800 CVM Turbidity Meter pb RAE Orzone Leak Detector Inline Counce Meter ORP Meter ArP Pump - Low-Flow Flow (Bai Development Pump Electric Submensible Pump Pump Ping Test Accessory E Portable SVE Unit -1.5 H Intrinsically Safe Vapor E Portable SVE Unit -1.5 H Intrinsically Safe Vapor E Portable SVE Unit -1.5 H Intrinsically Safe Vapor E Partmatic Low-Flow Pum Pineumatic Low-Flow Pum Pineumatic Low-Flow Pum Pineumatic Low-Flow Samping Core Backpack Blower Balaers (Nan-Disposable) Core Books Core Sampler Descalar Detector Data Logger with Transdur Well Caps Filder - Large Filder - Small Generator Healum QAQC Kit Heinum QAQC Kit Hand Citil NAPL Sample Kit AXAT Sample Kit AXAT Sample Kit HAZAMT Exemption Ship Muostates CADIdrafing graphisa Sandy SCBA Routine Fiel And Safety E Level "Cit-Lived "Cit" plus Sandy SCBA Routine Fiel And Safety E Level "Cit-Lived "Cit" plus Sandy SCBA Routine Fiel And Safety E	FID Foxboro/Sensidyne (TIP) Flow Calibrator				\$ 155.00 \$ 30.00				\$ - \$ -	
Turbidary Meter Phy RAE Discrete Constraints Phy RAE Discrete Constraints Discrete Disc	Methane Meter				\$ 116.00 \$ 120.00				s -	
Phene Leak Detector Inline Ozone Meter ORP Meter Air Pump - Low Flow (Bar Development Pump Electric Submensible Pumy Electric Submensible Pumy Electric Submensible Pumy Pumping Test Accessory E Prentable SVE Unit - 1.5 H Intrinsically Safe Vapor E Prentable SVE Unit - 1.5 H Mathematic Low-Flow Sam Abestos Investigation Sup Abestos Investigation Sup Field Book Filter - Large Field Book Filter - Large Abestos Investigation Sup Field Book Filter - Large Abestos Investigation Sup Abestos Investigation Sup Abestos Investigation Sup Abestos Investigation Sup Abestos Diffusion Bag PDB Harness Steam Cleaner Transducer (en) Transducer (en) Padlocks Passive Diffusion Bag PDB Harness Steam Cleaner Transducer (en) Tubing (Bonded) - Polyeth Tubing (Turbidity Meter				\$ 30.00				ş - \$ -	
Inline Ozone Meter ORP Meter ORP Meter ORP Meter ORP Meter Development Pump Electric Submershible Pump Peristilike Pump Pumping Test Accessory E Promotion State Vapor Experime Presentilike Pump Presentilic Low-Flow Sam Asbeatos Investigation Sup Asbeatos Investigation Sup Asbeatos Sampling Kit Asbeatos Sampling Composable) Bailers (Disposable) Bailers (One-Disposable) Core Boxes Core Sampler De-scaler Data Logger with Transdu Weil Caps Elec. Weil Sounder (Probe) Matal Detector S035 Sample Kit PT Plugs Filder 1- Ange Filder 1- Samall Generator Haida Auger Haid Auger Haid Auger Haida Auger Haid Auger Haid Auger Haid Auger Haid Auger Tarstot	ppb RAE Ozone Leak Detector				\$ 175.00 \$ 135.00				s - s -	
ORP Meter Development Pump Electric Submershile Pump Pumps Pumps Pumps Pumps Pumping Test Accessory E Portable SVE Unit 1.51 III Intrinsically Safe Vapor Ex Presentatic Submershile Pump Pumping Test Accessory E Presentatic Sub-Pow Sum Asbestos Sampling Rit Asbestos Sampling Rit Asbestos Sampling Con Backgack Blower Bailers (Disposable) Core Backgack Pir Puga Filet Caps Elec. Well Sounder (Probe Metal Detector 5035 Sample Kit Pir Puga Filet - Iange Filet - Small Generator Hand Auger Helium QA/QC Accessorie Oil/Water Interface Probe Nitric Sampling Blows (Di NAPL Sample Kit Pir Bug PiB Harress Surveying Equipment Coring Machine SVE Dilution Air Filter SVE Blower Oil(guart) SVE Blower Oil(guart) SVE Blower Grasse (tube) Oil Water Interface Probe) Filet Inter SVE Blower Oil (guart) SVE Blower Grasse (tube) Oil Core Air Filter Holder Tubing (Bonded) - Polyeth Tubing -Polyethylene. 14 Tubing - Polyethylene. 14 Tubing - Polyethyl	Inline Ozone Meter				\$ 230.00				\$ -	
Development Pump Electric Submensible Pump Persistalic Pump Persistalic Pump Persistalic Pump Persistalic Pump Persistalic Pump Preumatic Low-Flow Sam Asbestos Sampling Kit Asbestos Investigation Sup Asbestos Sampling Core Backpack Blower Balarcs (Disposable) Core Boxes Core Sampler Descaler Descaler Descaler Data Logger with Transdu Well Caps Elec. Well Sounder (Probe Metal Detector Data Logger with Transdu Well Caps Elec. Well Sounder (Probe Metal Detector S035 Sample Kit PF Plug Filder - Large Filder - Large Filder - Samal Generator Heidum QA/QC Accessori Oil/Water Interface Probe Nitris Sampling Gloves (Di Palloeks Passive Diffusion Bag PDB Hamess Steam Cleaner Transducer (an) Coring Machine Rotary Hammer Drill Hand Drill NAPL Sample Kit STE Blower Glaupment Ste Sta Claupment Ste Blower Glaupment Ste Blower Glaupment Ste Blower Glaupment Ste Blower Glaupment Ste Sta Claupment Ste Blower Glaupment Ste Sta Cover (Straines) Well abandomment kit Well Cover \$X127 Measaring Wheel Or Pole Camera Ratory Fir Level "Cl" plus Ste Sta Cover (Straines) Barting Ste Sta Sta Sta Sta Ste Sta Sta Sta Barting Ste Sta Sta Sta Sta Sta Barting Ste Sta Sta Sta Sta Sta Sta Sta Barting Ste Sta	ORP Meter Air Pump - Low Flow (Barcad)				\$ 30.00 \$ 25.00				\$ - \$ -	
Electric Submershile Pump Pumps Pumps Pumps Pumps Pumps Pumps Pumps Pumps Asbeatos Sampling, Test Accessory, E Portable SVE Unit. 1.5.1H Intrinsically. Safe Vapor Ex Asbeatos Investigation Sup Bailers (Non-Disposable) Bailers (Non-Disposable) Core Boxes Core Sampler De-scaler De-scaler Data Logger with Transdur Well Caps Elec. Well Sounder (Probe Metal Detector Soft Sampk Kt PT Plugs Field Book Filter - Large Filter - Small Generator Hand Auger Helium QAVCA Accessorie Oil/Water Interface Probe Ninte Sampling Gloves (D Pasive Diffusion Bag PDB Harness Steam Cleaner Transducer (an) Coring Machine Rotary Hammer Drill Hand Drill NAPL Sample Kit SUTE Dilution Air Filter SUE Diluter Air Air Air Air Air Air Air	Development Pump				\$ 130.00				\$ -	
Pumps Pumps Peristalia Pump Pumps Peristalia Pump Pumps Pump	Electric Submersible Pump with Control Box (Units) Low-Flow Sampling Bladder	\$ 1	12.00		\$ 130.00				s - s -	
Prumpin Process Carbon Sciences (Composition of the Composition of the	Peristaltic Pump	6 V	20.00		\$ 105.00				\$ -	
Intrinsically Safe Vaper, E. Pneumatic Low-Flow Pum Pneumatic Low-Flow Pum Pneumatic Low-Flow Pum Pneumatic Low-Flow Sam Asbestos Sampling Core Backpack Blower Bakers (Disposable) Bailers (Non-Disposable) Core Boxes Core Sampler Descaler Data Logger with Transdu Well Caps Elec. Well Sounder (Prote States) Filter - Larger Filter - Small Generator Generator Had Auger Helium QA/QC Kä Helium QA/QC Accessorie Oil/Water Interface Probe Nath Clean Padlocks Pass Diffusion Bag PDB Harness Stamp Diffusion Bag PDB Harness Stam Cleaner Transducer (ea) Coring Machine Reary Hammer Drill Hand Drill NAPL Sample Kit Surveying Equipment SvE Blower Oil (quart) SVE Bl	Pumping Test Accessory Equipment (Flow Meters/Manifolds/Tubing) Portable SVE Unit - 1.5 HP	\$ 10	0.00		\$ 155.00				s - s -	
Piteumatic Low-Flow Sam Asbestos Sampling Kit Asbestos Investigation Sup Asbestos Investigation Sup Asbestos Investigation Sup Asbestos Sampling Core Backgack Blower Descaler Data Logger with Transdu Weil Caps Elec. Well Sounder (Proble Metal Detector 5035 Sample Kit PrT Plugs Filter - Iange Filter - Iange Filter - Iange Filter - Iange Filter - Small Generator Hand Auger Helium QAQC Ket Helium QAQC Ket Helium QAQC Ket Helium QAQC Ket OilWater Interface Probe Nitrik Sampling Gloves (D Pallocks Passe Diffusion Bag PDB Harness Steam Cleaner Transducer (ca) Coring Machine Rolary Hammer Drill Hand Drill NAPL Sample Kit SUP Diffusion Bag PDB Harness Steam Cleaner Transducer (ca) Coring Machine Rolary Hammer Drill Hand Drill NAPL Sample Kit SUP Diffusion Bag PDB Harness Steam Cleaner Transducer (ca) Coring Machine Rolary Hammer Drill Hand Drill NAPL Sample Kit SUP Diffusion Bag PDB Harness Steam Cleaner Transducer (ca) Coring Machine Rolary Hammer Drill Hand Drill NAPL Sample Kit SUP Diffusion Bag PDB Harness Steam Cleaner Transducer (ca) Coring Machine SUP Blower Oil (quart) SVE Blower Grasse (tube) O2 Meter Drone Air Filter SVE Blower Gloud) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing Conded) - Polyeth Tubing Conded) - Polyeth Tubing (Bonded) - Polyeth Tubing J Polyethylene. 1:4 Tubing - Polyethylene. 1:4 HatzMAAT Exemption Ship Machaneters Westlaw CAD drafting graphis Stafety Level * C: Level * C: Pri Pub	Intrinsically Safe Vapor Evacuation Blower				\$ 125.00				\$ - ¢	
Adbestos Sampling Kit Adbestos Investigation Sup Adbestos Minestigation Sup Adbestos Sampling Core: Backrasck Hower Bailers (Disposable) Core Sampler De-sca	Pneumatic Low-Flow Sampling Kit w/ Flow Cell and Multimeter				\$ 270.00				s -	
Askestos Sampling Core Backgack Blower Bailers (Disposable) Bailers (Disposable) Core Boxes Core Sampler Descaler Data Logger with Transdu Well Caps Elec: Well Sounder (Probe Metal Detector 5035 Sample Kit PT Plugs Field Book Filter - Large Filter - Small Generator Hand Auger Helium QA/QC Accessori Hand Auger Helium QA/QC Kit Helium QA/QC Kat Core Sampler Generator Hand Auger Helium QA/QC Kat Core Small Generator Hand Auger Helium QA/QC Kat Helium QA/QC Kat Helium QA/QC Kat Helium QA/QC Kat Coring Machine Generator Basive Diffusion Bag PDB Harness Steam Cleaner Transducer (ca) Coring Machine Rotary Hammer Drill Hand Drill NAPL Sample Kit Surveying Equipment. SVE Blower Grease (tabe) Other SVE Blower Grease (tabe) OZ Meter Ozone Air Filter Holder Tubing (Bonded) - Polyeth Tubing Core (Staffas) System Wiring (per foot) PFA Tubing - 1/2-inch ID Manual Drive Point Kit S5 Gallon Drum S50 gal poly tank S5 Gallon Drum S50 gal poly tank Cather Staff Weel Measuring Wheel Or Pole Camera IL T-Cellar Bag Radon Sample Kit HAZMAT Exemption Shir Manometers Westlaw CAD drafting graphiss GAD drafting graphis Galler Cirve (Creinal Resistan Helium Ficial and Safety E: Level "Cir": Level "Cir" plus Standty SCBA Routine Field and Safety E: Deduction Binder Taba (Set of S)	Asbestos Sampling Kit	_			\$ 250.00 \$ 130.00				\$ - ¢	
Backgack Blower Balters (Daposable) Balters (Daposable) Core Boxes Core Sampler Data Logger with Transdu Well Caps Elec. Well Sounder (Probe Metal Detector 5035 Sample Kit PT Plugs Field Book Filter - Large Filter - Large Filter - Small Generator Hand Auger Helium QAQC Kit Helium QAQC Kit Helium QAQC Kit Helium QAQC Kit Helium QAQC Keessorie Oil/Water Interface Probe Nitrile Sampling Gloves (D Padlocks Passive Diffusion Bag PDB Harross Steam Cleaner Transducer (an) Coring Machine Rotary Harmese Diffusion Bag PDB Harross Steam Cleaner Transducer (an) Coring Machine Rotary Harmese Diffusion Bag PDB Harross Steam Cleaner Transducer (an) Coring Machine Rotary Harmese Diffusion Bag PDB Harross Steam Cleaner Transducer (an) Coring Machine Rotary Harmer Drill Hand Drill NAPL Sample Kit Surveying Equipment SVE Blower Oil (quart) SVE Blower Coll (quart) SVE Blower Co	Asbestos larcelegatori supplies	\$	2.50		3 130.00				ş -	
Bailers (Non-Disposable), Core Boxes Core Sampler Descaler Data Logger with Transdu Well Caps Elec. Well Sounder (Probe Metal Detector 5035 Sample Kat P71 Plugs Filder - Large Filder - Large Filder - small Generator Hafu Auger Helfum QAQC Kat Helfum Chill Haf Melfum Chill Haf Melfum Helfum Chill Haf Melfum Helfum Chill Haf Melfum Helfum Field and Safety E Level "Cit": Level "Cit" helfum Helfum Field Helfum Helfum Fielfum Helfum Helfum Fielfum Safety Helfum Fielfum Fielfum Helfum Fielfum Fielfum Helfum Fielfum Fielfum Helfum Fiel	Backpack Blower Bailers (Disposable)	5 1	10.00		\$ 75.00		\$ 200.00		<u>s</u> -	
Core Boxes Core Sampler Data Logger with Transdu Well Caps Elec. Well Sounder (Probe Medal Detector S035 Sample Kit P/T Plugs Filter - Large Filter - Large Filter - Small Generator Hand Auger Hand Auger Hand Auger Hand Auger Helium QA/QC Kat Helium QA/QC Kat Helium QA/QC Accessorie Oil/Water Interface Probe Nirite Sampling Gloves (I) Padlocks Passice Diffusion Bag PDB Harness Steam Cleaner Transducer (ea) Coring Machine Rotary Harmeer Drill NAPL Sample Kit Surveying Equipment SVE Blower Oil (quart) NAPL Sample Kit Surveying Equipment SVE Blower Oil (quart) SVE Blower Oil (quart) SVE Blower Oil (quart) SVE Blower Grease (tube) O2 Meter Ozone Air Filter Holder Tubing (Bonded) - Polyeth Tubing Salloone: 3/8° ST System Wiring (per foot) PEA Tubing - 1/2 arch ID Manual Drive Point Kit SS-Gallon Drum SSG gal poly tank 325 gal poly tank 326 gal poly tank 326 gal poly tank 327 gal poly tank 328 well abandomment kit Manometers Westlaw CAD drafting graphis Surver (Te': Level TC') Pub Standby SCBA Routine Field and Safety E 1 heb Binder 2 hab Binder 2 hab Binder 3 heb Binder	Bailers (Non-Disposable)				\$ 15.00				\$ -	
De-scaler Data Logger with Transdu Well Caps Elec. Well Sounder (Probe Medl Caps Elec. Well Sounder (Probe Medl Detector \$035 Sample Kit PT Plugs Filter - Large Filter - Large Filter - Large Filter - Small Generator Hand Auger Hand Auger Helium QAQC Kit Helium QAQC Kit Helium QAQC Kit Basico Diffusion Bag PDB Harness Steam Cleaner Timsducer (co) Coring Machine Coring Machine SvE Blower Oil (quart)	Core Sampler	\$ 1	10.00		\$ 55.00				<u>s</u> - \$ -	
Laun Logger with Translu Well Caps Eke. Well Sounder (Probe Metal Detector 5035 Sample Kit PT Plugs Field Book Steam Cleaner Transducer (ca) Coring Machine Rolary Hammer Drill Hand Drill NAPL Sample Kit SVE Blower Old (guart) SVE Blower Old (guar	De-scaler				\$ 100.00				s	
Elec. Well Sounder (Probe Metal Detector 5035 Sample Kit PT Plags Field Book Filter - Large Filter - Large Filter - Small Generator Hand Auger Helium QA/QC Accessori Oil/Water Interface Probe Nirite Sampling Gloves (D Pallocks Passive Diffusion Bag PDB Harness Steam Cleaner Transducer (ca) Coring Machine Rotary Hammer Drill Hand Drill NAPL Sample Kit Surveying Equipment Steam Cleaner Transducer (ca) Coring Machine Rotary Hammer Drill Hand Drill NAPL Sample Kit SUE Dilution Air Filter SVE Blower Oil (quart) SVE Blower Grasse (tabe) O2 Meter Dozone Air Filter Holder Tubing (Bonded) - Polyeth Tubing Or Polyethylene: 14 Tubing - Polyethylene: 13 System Waing (per foot) PFA Tubing - Typorn, 38* STIT Tubing - Polyethylene: 14 Tubing - Polyethylene: 14 Tubing - Polyethylene: 14 Tubing - Polyethylene: 15 System Waing (per foot) PFA Tubing - 12-inch fut 35 Gal poly tank 35	Well Caps	\$ 3	30.00		a 155.00				s - \$ -	
sola Sample Kit P/T Plugs Field Book Filter - Large Filter - Small Generator Hand Auger Helium QA/QC Kit Helium QA/QC Kit Helium QA/QC Kit Helium QA/QC Kit Helium QA/QC Kit Helium QA/QC Kit Padlocks Passive Diffusion Bag PDB Harness Steam Cleaner Transducer (a) Coring Machine Rotary Harmess Steam Cleaner Transducer (a) Coring Machine Rotary Harmess Steam Cleaner Transducer (a) Coring Machine Rotary Harmess Steam Cleaner Steam Cleaner Transducer (a) Coring Machine Rotary Harmess Steam Cleaner Steam Cleaner Transducer (a) Coring Machine Rotary Harmess Steam Cleaner Rotary Harmess Steam Cleaner Steam Cleaner Tubing (Bonded) - Polyeth Tubing Stab Stab Cover (Stainlass 3 Weil abandonment kit Weil Cover 8X12' Measuring Wheel Or Pole Camera Lit Tedlar Bag Radon Sample Kit HAZMAT Exemption Ship Manometers Weistlaw CAD/drafting graphiss CAD/drafting graphiss Fall Protection Gloves (Chenical Resistan Haz Zashaw CAD/drafting graphiss Fall Protection Gloves (Chenical Resistan Level "C'1': Level "C'1' plus Standby SCBA Routine Field and Safety E: Handb Binder	Elec. Well Sounder (Probe) Metal Detector				\$ 30.00				s -	
P/T Plugs Field Book Filter - Large Filter - Small Generator Hafu Auger Helium QA/QC Kit Helium QA/QC Kit Hafu Cacessoni Passive Diffusion Bag PDB Harness Steam Cleaner Transducer (ea) Coring Machine Rotary Harmes Drill Hand Drill NAPL Samble Kit Surveying Edulyment SVE Diffusion Eduly SVE Inlet Air Filter SVE Blower Oil (quart) SVE Blower Gotas (table Corine Air Filter Holder Tubing (Bonded) - Polyeth Tubing - Typon: 38''ST Tubing - Silocon: 38''ST System Weing (per foot) PFA Tubing - Ya Shab Sampl Sub-Slab Cover (Stainles 2 Weil abandoment kit Weil Cover 8X12' Measuring Wheel Measuring Wheel Measuri	5035 Sample Kit	\$ 1	16.00		a 20.00				s -	
Filter - Large Filter - Large Filter - Small Generator Helium QA/QC Kat Helium QA/QC Kat Helium QA/QC Kat Helium QA/QC Accessori OilWater Interface Probe Nitrilate Sampling Gloves [L Padlocks Passive Diffusion Bag PDB Harness Steam Cleaner Transducer (ea) Coring Machine Rotary Hammer Drill Hand Drill NAPL Sample Kat Surveying Equipment SVE Blower Glot(quart) SVE Hat SVE Blower Glot(quart) SVE Blower Glot(quart) SVE Blower Glot(quart) SVE Hat SVE Blower Glot(quart) SVE Blower Glot(Guart) SVE Blower Glot(Guart) SVE Hat Hat Hat Hat Hat Hat Hat Hat	P/T Plugs Field Book	\$	5.00						s -	
Filter - Small Generator Hand Auger Helium QA/QC Accessori Oil/Water Interface Probe Nitrile Sampling Gloves [L Padlocks Passive Diffusion Bag PDB Harness Steam Cleaner Transducer (ea). Coring Machine Rotary Hammer Drill Hand Drill NAPL Sample Kit Surveying Equipment SvE Ibluston Air Filter SVE Ibluston Air Filter SVE Dilution Air Filter SVE Dilution Air Filter SVE Dilution Air Filter SVE Dilution Air Filter Uning (Bonded) - Polyeth Tubing - Neytotylene: 1/4 Tubing - Neytotylene: 1/4 Tubing - Polyethylene: 1/4 Tubing - Polyethylene: 1/4 Tubing - Siltone: 3/8" ST System Wiring (per fool) PFA Tubing - 1/2-anch ID Manual Drive Point Kit S5 Gallon Drum S5 Gal poly tank 325 gal poly tank 325 gal poly tank 325 gal poly tank Camera Radon Sample Kit HAZMAT Exemption Shir Manometers Westlaw CAD drafting graphios EAAT Exemption Shir Manometers Westlaw CAD drafting graphios Earticades & Tanffie Signs Fall Protection Gloves (Chemical Resistan Level "P: Level "C1" plus Standby SCBA Routine Field and Safety E I Inch Binder 2 Inch Binder	Filter - Large	\$ 1	18.00						\$ -	
Hand Auger Helium QAQC Kat Helium QAQC Katessori OilWater Interface Probe Nirric Sampling Gloves (I. Padlocks Pasibe Diffusion Bag PDB Harness Steam Cleaner Transducer (ea) Coring Machine Retary Hammer Drill Hand Drill NAPL Sample Kit Surveying Equipment Surveying Equipment SvE Blower Oil (quart) SVE Blower Oil (quart) Tubing (Bonded) - Polyeth Tubing - Noteythylene: 1/1 Tubing - Polyethylene: 1/2 Tubing - Polyethylene: 1/2 Heat Polyethylene: 1/2 Measuring Wheel Measuring Wheel Measuring Wheel or Pole Camera U - Camera Stafety Level 'C': Level 'C': Pillee Stafety Level 'C': Level 'C': Pillee Stafety - Level 'C': Pillee Stafety - Polyethylene: 1/2 Polyethylene: 1/2 Measuring Wheel or Pole Camera Stafety - Level 'C': Pillee Stafety - Level 'C': Pillee Stafety - Level 'C': Pillee Stafety - Level 'C': Pillee Stafety - Polyethylen	Filter - Small Generator	\$	9.00		\$ 105.00				s -	
Helium QA/QC Kat Helium QA/QC Accessori Oil/Water Interface Probe Nirite Sampling Gloves. Nirite Sampling Gloves. Pasibore Diffusion Bag PDB Harness Steam Cleaner Transduerr (ca) Coring Machine Rotary Hammer Drill Hand Drill NAPL Sample Kit Surveying Equipment SWE Blower Oil (quarf) SVE Blower Oil (quarf) Tubing (Bonded) - Polyeth Tubing - Polyethylen: 1/4 Tubing - Polyethylen: 3/8° ST System Wring (per foot) PFA Tubing - Siltoon: 3/8° ST System Wring (per foot) PFA Tubing - 1/2-anch ID Manual Drive Point Kit 35 Callon Drum 350 gal poly tank 350 gal p	Hand Auger				\$ 30.00				\$ -	
Oil/Water Interface Probe Nitrile Sampling Gloves (E Passive Diffusion Bag PDB Harness Steam Cleaner Transducer (ca) Coring Machine Rotary Harmess Steam Cleaner Transducer (ca) Coring Machine Rotary Harmers Drill Hand Drill NAPL Sample Kit Surveying Equipment SVE Dilution Air Filter Other Ozone Air Filter Holder Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing - Polyethylenc: 14 Tubing - Polyethylenc: 15 Tubing - Polyethylenc: 16 Tubing - Polyethylenc: 17 Tubing - Polyethylenc: 16 Tubing - Polyethylenc: 17 Tubing - Polyethylenc: 16 Tubing - Polyethylenc: 17 Tubing - Siloconce: 38* STIT Tubing - Polyethylenc: 17 Tubing - Polyethylenc: 18 Staded poly tank Tempo	Helium QA/QC Kit Helium QA/QC Accessories	\$ 2	20.00		\$ 265.00				s - s -	
Nirrile Sampling Gloves (L Padlocks Passive Diffusion Bag PDB Harness Steam Cleaner Transducer (an) Coring Machine Rotary Harmner Drill Hand Drill NAPL Sample Kit Surveying Equipment SVE Didition Ar Filter SVE Didition Ar Filter SVE Blower Col (quart) SVE Blower Col (quart) Tubing (Bonded) - Polyeth Tubing - Polyethylene: 1/2 Tubing - Tygon: 3/8* STI Tubing - Tygon: 3/8* STI Tubing - Silocone: 3/8* STI System Wring (qer foot) PFA Tubing - 1/2-mch ID) Manual Drive Point Kit 55 Gallon Drum 550 gal poly tank Coparty Sampling Port Timmer Vapor Pi Sub-Slab Cover (Stainless S Weil alamoment kit Weil (Cover 8X12') Measuring Wheel Measuring Wheel Or Pole Camera IL T Cellar Bag Radon Sample Kit HAZMAT Exemption Shir Manometers Baricades & Traffic Signs Fall Protection Gloves (Chemical Resistan CAD/drafting graphics CAD/drafting graphics Baricades & Traffic Signs Fall Protection Gloves (Chemical Resistan CAD/drafting graphics CAD/drafting graphics Baricades & Traffic Signs Fall Protection Gloves (Chemical Resistan CAD/drafting graphics CAD/drafting graphics CAD/drafting graphics CAD/drafting graphics Baricades & Traffic Signs Fall Protection Gloves (Chemical Resistan Fall Protection Gloves (Chemical Resistan Fall Protection Gloves (Chemical Resistan CAD/drafting Graphics Baricades & Traffic Signs	Oil/Water Interface Probe				\$ 105.00				\$ -	
Passive Diffusion Bag PDB Harness Steam Cleaner Transducer (ea) Coring Machine Rohary Hammer Drill Hand Drill NAPL Sample Kit Surveying Equipment SVE Didtion Air Filter SVE Didtion Air Filter SVE Blower Ol (quart) SVE Blower Ol (quart) Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing - Polyethylene: 1/2 Tubing - Polyethylene: 1/2 Tubing - Silocoit Silf ST System Weing (per foot) PFA Tubing - 1/2-mch ID Manual Drive Point Kit S5 Gallon Drum S50 gal poly tank S5 Gallon Drum S50 gal poly tank Temporary Samphing Port Trimmer Vapor Pin Sub-Slab Sampli Sub-Slab Cover (Stainless' Weil abandonment kit Weil Cover 8X12° Measuring Wheel Measuring Wheel Galoxanple Kit HAZMAT Exemption Shir HAZMAT Exemption S	Nitrile Sampling Gloves (Disposable) Padlocks	\$ \$ 1	0.13						\$ - \$ -	
PDB Hamess Steam Cleaner Transducer (ea) Coring Machine Rotary Hammer Drill Hand Drill NAPL Sample Kit Surveying Equipment SVE Dilution Ar Filter SVE Dilution Ar Filter SVE Dilution Ar Filter GZone Air Filter Holder Usbeer Oil (quart) SVE Blower Oil (quart) Tubing (Bonded) - Polyeth Tubing - Tyzonis 3/8* STI System Weing (per foot) PFA Tubing - 1/2-mch ID Manual Drive Point Kit S50 gal poly tank 325 gal pol	Passive Diffusion Bag	\$ 3	35.00						\$ -	
Transducer (ea) Coring Machine Rotary Hammer Drill Hand Drill NAPL Sample Kit Surveying Equipment SVE Ibluiton Air Filter SVE Ibluer Oil (quart) SVE Blower Oil (quart) Datton Air Filter Ozone Air Filter Holder Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing - Polyethylene: 14 Tubing - Polyethylene: 14 Tubing - Polyethylene: 15 Tubing - Silicone: 3/8" ST System Wiring (per foot) PFA Tubing - 1/2-inch ID Manual Drive Point Kit 550 gal poly tank 325 gal poly tank 325 gal poly tank 325 gal poly tank Well Cover (Stainless S Well Cover (Stainless S Well Amoment Kit HAZMAT Exemption Shit Manometers Westaw CAD drafting (graphis CAD drafting (graphis Barricades & Traffic Signs Barricades & Traffic Signs Barricades & Traffic Signs Barricades & Traffic Signs	Steam Cleaner	5 8	\$0.00		\$ 130.00				s - s -	
Control Analysis and the second state of	Transducer (ea)				\$ 40.00 \$ 200.00				\$ - ¢	
Hand Drill NAPL.Sample Kit NAPL.Sample Kit Surveying Equipment. SVE Dilution Air Filter. SVE Dilution Air Filter. SVE Dilution Air Filter. SVE Blower Griesses (tabs) O2 Meter O2one Air Filter Holder Tubing (Bonded) - Polyeth Tubing - Polyethylene. 14 Tubing - Polyethylene. 14 Tubing - Polyethylene. 15 System Waring (per foot) PFA Tubing - Typorn. 38* STIT Tubing - Silicone: 3.8* STI System Waring (per foot) PFA Tubing - 1/2-inch In S50 gal poly tank S50 gal poly tank S52 gal poly tank S54 gal poly tank G70 pri Sub-Slab Sampl Sub-Slab Cover (Stainless) Well Bandonment kit Well Cover 8X12* Measaring Wheel Measuring Wheel GAD Sample Kit HAZMAT Exemption Ship Manometers GCAD drafting graphiss Fall Protection Gloves (Chenial Resistat Level "B": Level "C1" plus Level "C1": Level "C2" plus Level "G2": Level "C1" plus Standby SCBA Routine Field and Safety E 1 Inch Binder 2 Inch Binder S1 Inch Binder	Rotary Hammer Drill				\$ 170.00				ş -	
Starevsing Equipment SVE Inlet Air Filter SVE Inlet Air Filter SVE Blower Crease (tube) OZ Meter Ozone Air Filter Holder Tubing (Bonded) - Polyeth Tubing - Polyethylene: 1/4 Tubing - Polyethylene: 1/8 Tubing - Silocico: 3/8" STI Stage algo poly tunk 55 Gallon Drum 55 Gallon Drum 50 gal poly tunk Correr \$X12" Measuring Wheel Weil Jawnomment kit Weil Cover \$X12" Measuring Wheel Gloves (Chernical Resistan Gloves (Chernical Resistan CAD drafting graphics CAD drafting graphics CAD drafting graphics CAD drafting (straftic Signs F	Hand Drill NAPI Sample Kit				\$ 75.00 \$ 40.00				\$ - \$ -	
Other SVE Inlet Air Filter SVE Dilution Air Filter SVE Blower Oil (quart) SVE Blower Oil (quart) SVE Blower Oil (quart) O2 Meter O2 Meter O2 Meter O2 Meter D2 Meter Hole (Bonded) - Polyeth Tubing - Polyethylene: 1/4 Tubing - 1/2-inch ID Manual Drive Point Kit 550 gal poly tank 325 gal poly tank 24 measuring Wheel Measuring Wheel Pole Camera IL Tediar Bag Radon Sample Kit HAZMAT Exemption Shing Manometers Westlawe CAD/drafting (graphics CAD/drafting (graphics CAD/drafting (graphics Gloves (Chemical Resistan Level "C1": Level "C1" plus Level "C1": Level "C1" plus Stafety Level "C1": Level "C1" plus Stafety I Inch Binder 2 Inch Binder Anon Binder 2 Inch Binder Mender Tabs (Set of S) effect and Safety F.	Surveying Equipment				\$ 50.00		\$ 200.00		\$ -	
SVE Blower Oil (quart) SVE Blower Oil (quart) SVE Blower Grasse (tube) O2 Meter Ozone Air Filter Holder Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing - Polyethylene: 1/ Tubing - Polyethylene: 1/3 Tubing - Polyethylene: 1/3 Tubing - Silcone: 3/8" ST System Wiring (per foot) PFA Tubing - 1/2-inch ID Manual Drive Point Kit 55 Gall poly tank 325 gal poly tank 400 Meter Siltone Content Well Cover 8ki1/2 Measuring Wheel Measuring Wheel Measuring Wheel Measuring Wheel Measuring Wheel Measuring Wheel Measuring Wheel Camera IL Tedhar Bag Radon Sample Kit HAZMAT Exemption Shift Manometers Westlaw CAD/drafting (graphise Gloves (Chemical Resistan Gloves (Chemical Resistan Gloves (Chemical Resistan Gloves (Chemical Resistan Gloves (Chemical Safety E. I heh Binder 2 hah Binder 3 heh Binder Binder Tabs (Set of 8)	SVE Inlet Air Filter SVE Dilution Air Filter				\$ 80.00 \$ 28.00				<u>s</u> -	
SVE Blower Grease (tube) O2 Meter Ozone Air Filter Holder Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing - Polyethylene: 1/2 Tubing - Polyethylene: 1/2 Tubing - Polyethylene: 1/2 Tubing - Polyethylene: 1/2 Tubing - Silcone: 3/8" ST System Weing (per foot) PFA Tubing - 1/2-mch ID Manual Drive Point Kit 550 gal poly tank 325 gal poly tank 326 gal poly tank 327 gal poly tank 327 gal poly tank 328 gal poly tank 328 gal poly tank 329 gal poly tank 329 gal poly tank 329 gal poly tank 329 gal poly tank 320 gal poly tank 320 gal poly tank 320 gal poly tank 320 gal poly tank 321 gal poly tank 322 gal poly tank 322 gal poly tank 325 gal poly tank 325 gal poly tank 326 gal poly tank 327 gal poly tank 327 gal poly tank 328 gal poly tank 328 gal poly tank 329 gal poly tank 329 gal poly tank 320 gal poly tank 320 gal poly tank 320 gal poly tank 320 gal poly tank 321 gal poly tank 321 gal poly tank 322 gal poly tank 322 gal poly tank 325 gal poly tank 325 gal poly tank 326 gal poly tank 327 gal poly tank 327 gal poly tank 328 gal poly tank 328 gal poly tank 328 gal poly tank 400 gal poly tank 400 gal poly tank 400 gal poly tank 500 gal poly tank	SVE Blower Oil (quart)				\$ 32.00				\$ -	
Ozone Air Filter Holder Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing - Royethylene: 1/4 Tubing - Polyethylene: 1/4 Tubing - 1/2-neh ID PFA Tubing - 1/2-neh ID Manual Drive Point Kit 25 Gall poly tank 325 gal poly tank Temporary Sampling Port Trimmer Vapoer / In Sub-Slab Sampl Sub-Slab Cover (Stainless) Weil Gover (Stainless) Weil Gover (Stainless) Weil Gover (Stainless) Weil Maanometers Westlaw CAD draftning (graphis CAD draftning (graphis Eavel "B": Level "C") plus Standby SCBA Routine Field and Safety E. 1 Inch Binder 2 Inch Binder A Inch Binder A Inch Binder A Inch Binder	SVE Blower Grease (tube) O2 Meter				\$ 20.00 \$ 50.00		\$ 175.00		\$ - \$ -	
1 Ubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing - Royethylene: 1/ Tubing - Polyethylene: 1/ Tubing - Polyethylene: 1/ Tubing - Tygono: 3/8" ST System Wiring (per foot) PFA Tubing - 1/2-inch ID Manual Drive Point Kit S5 Gailon Drium S50 gal poly tank 325 gal poly tank Temporary Sampling Pott Trimmer Vapor Pin Sub-Stab Sampl Sub-Stab Cover (Stainless) Well Jaundommer Kit HaZMAT Exemption Ship Manometers Westaw CAD drafting graphics Gloves (Chemical Resistan Gloves (Chemical Resistan Gloves (Chemical Resistan Gloves (Chemical Resistan Level "B": Level "C1" plus Standby SCBA Routine Field and Safety E 1 Inch Binder 2 Inch Binder Anch Binder Anch Binder Anch Binder	Ozone Air Filter Holder	<u>,</u>	1.50		\$ 18.00				\$ -	
Tubing (Bonded) - Polyeth Tubing (Bonded) - Polyeth Tubing - Polyethylene: 17 Tubing - Polyethylene: 17 Tubing - Polyethylene: 17 Tubing - Silocone: 38" STI Tubing - Silocone: 38" STI Tubing - Silocone: 38" STI System Wring (per foot) PFA Tubing - 1/2-inch ID Manual Drive Point Kit 55 Gallon Drum 550 gal poly tank 325 gal poly tank 325 gal poly tank 325 gal poly tank 325 gal poly tank Well abandonment kit Well Cover 8X12" Measuring Wheel Measuring Wheel OF Pole Camera IL Tedlar Bag Radon Sample Kit HAZMAT Exemption Ship Manometers Westlaw CAD/drafting graphics CAD/drafting graphics Galwas (Crimical Resistan Level "Cl": Level "Cl" plus Standby SCBA Routine Field and Safety E 1 Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder 4 Inch Binder	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 3/8" OD (per foot) Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 1/4" OD (per foot)	\$	1.50						<u>s</u> -	
Tubing (Bonded) - Folyeth Tubing - Polyethylene: 1/2 Tubing - Polyethylene: 1/2 Tubing - Polyethylene: 1/2 Tubing - Silcone: 3/8" ST System Wring (per foot) PFA Tubing - 1/2-inch ID Manual Drive Point Kit S5 callon Drum S50 gal poly tank 25 gal poly tank 25 gal poly tank Stab Cover Sinis Si Well abandonment kit Well abandonment kit Well Cover 8/8 12" Measuring Wheel or Pole Cancera 1L Tedlar Bag Radon Sample Kit HAZMAT Exemption Ship Manometers Westades & Traffic Signs Fall Protection Glover Clenic Resistan Glover Clenic Resistan CAD/drafing/graphics Standby SCBA Routine Field and Safety E. Level "C1": Level "C1" plus Level "C2": Level "C1" plus Standby SCBA Routine Field and Safety E. I nch Binder 2 lnch Binder Men Binder	Tubing (Bonded) - Polyethylene (Teflon) : 1/16" OD X 1/4" (per foot)	\$	1.25						\$ -	
Tubing -Polyethylene: L7 Tubing - Typen: 38" STT Tubing - Silicone: 3/8" ST System Wiring (per foot) PFA Tubing - 1/2-inch ID Manual Drive Point Kit 55-Gallon Drum 550 gal poly unk 325 gal poly unk 425 gal poly unk 326 gal poly unk 426 gal poly unk 427 gal poly unk 426 gal poly unk 427 gal poly unk 426 gal poly unk 426 gal poly unk 427 gal poly unk 426 gal poly unk 427 gal poly unk 426 gal poly unk 426 gal poly unk 427 gal poly unk 426 gal poly	Tubing (Bonded) - Polyethylene: 1/4" OD X 3/8" OD (per loot) Tubing - Polyethylene: 1/4" OD (per foot)	\$	0.60						s - s -	
Tubing - 17,000, 5/8 'ST System Wiring (per foot) PFA Tubing - 1/2-inch ID Manual Drive Point Kit 55 Gailon Drum 550 gal poly tank 325 gal poly tank 325 gal poly tank Temporary Sampling Port Trimmer Vapor Pin Sub-Slab Sampl Sub-Slab Cover (Stainless ' Well Cover 8X12" Measuring Wheel or Pole Camera IL Tedlar Bag Radon Sample Kit HAZMAT Exempton Shing Manometers Westlaw (Chemical Resistan Gloves (Chemical Safety E. 1 Inch Binder 2 Inch Binder 3 Inch Binder 3 Inch Binder 3 Inch Binder Manor Tabs (Set of 8)	Tubing - Polyethylene: 1/2" OD (per foot)	\$	0.85						\$ - ¢	
System Wiring (per foot) PFA Tubing - 1/2-mch ID Manual Drive Point Kit 550 gal poly tank 323 gal poly tank 323 gal poly tank Temporary Sampling Port Trimmer Vapor Pin Sub-Slab Sampl Sub-Slab Cover (Stainless i Well Bandonment Kit Well Cover 8X12* Measuring Wheel or Pole Camera IL Tedlar Bag Radon Sample Kit HAZMAT Exemption Ship Manometers Westlaw CAD/drafting/graphis Gloves (Chemical Resistan Gloves (Chemical Resistan Gloves (Chemical Resistan Level "B": Level "C1" plus Stafety Level "C2": Level "C1" plus Stafety SCBA Routine Field and Safety E: I Inch Binder 3 Inch Binder 3 Inch Binder A Binder Tabo (Set of 8)	Tubing - Silicone: 3/8" STD (per foot)	\$	4.43						ş -	
Manual Drive Point Kit S5 Gailon Drum S5 Gailon Drum S5 Gailon Drum S5 Gailon Drum S25 gal poly unk Temporary Sampling Pott Trimmer Vapor Pi Sub-Slab Sampl Sub-Slab Cover (Stainless) Well Abandonment kit Well Cover 8X12* Measuring Wheel Measuring Wheel Measuring Wheel Measuring Wheel Measuring Wheel Measuring Wheel CAD drafting graphics CAD drafting graphics Galves (Chemical Resistan Gloves (Chemical Resistan Gloves (Chemical Resistan Stafety Level "B*: Level "C1*" plus Standby SCBA Routine Field and Safety E: 1 Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder Mator Tabo (Set of S)	System Wiring (per foot) PFA Tubing - 1/2-inch ID	\$ \$	0.60						<u>s</u> -	
55-Gallon Drum 550 gal poly tank 325 gal poly tank Temporary Sampling Port Trimmer Vapor Pi Sub-Slab Sampl Sub-Slab Cover (Stainless ' Weil abandomment kit Weil Cover 8X12' Measuring Wheel Measuring Wheel Or Pole Camera IL Tedlar Bag Radon Sample Kit HAZMAT Exemption Shir Manometers Westlaw CAD/drafting graphics CAD/drafting graphics CAD/drafting graphics Gloves (Chemical Resistan Level "C1": Level "C2" plus Level "C1": Level "C2" plus Level "C1": Level "C2" plus Standby SCBA Routine Field and Safety E: 1 Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder 4 Inch Binder	Manual Drive Point Kit	\$ 9	90.00						\$ -	
325 gal poly tank Temporary Sampling Port Trimmer Vapor Pin Sub-Slab Sampling Sub-Slab Cover (Stainless; Well abandonment kit Well Cover 8X12* Measuring Wheel or Pole Camera IL Tedlar Bag Radon Sample Kit HAZMAT Exemption Shir Manometers Westlaw CAD drafting/graphics Barricades & Tnffic Signs Fall Protection Gloves (Chemical Resistan Level "B": Level "C1" plus Standty SCBA Rotute Field and Safety E. 1 Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder	55-Gallon Drum 550 gal poly tank	\$ 5	55.00		\$ 40.00				s - s -	
I emporary Sampling Port Trimmer Vapor Pin Sub-Slab Samples Sub-Slab Cover (Stainless Well abandomment kit Well Cover 8X12" Measuring Wheel Camera I. I. Tedlar Bag Radon Sample Kit HAZMAT Exemption Shir Manometers Westlaw CAD/drafting/graphics CAD/drafting/graphics Barricades & Traffic Signs Fall Protection Gloves (Chemical Resistan Level "E": Level "C1" plus Stardty SCBA Rotutine Field and Safety E. I. Inch Binder 2. Inch Binder 3. Inch Binder 4. Binder Tabs (Set of 8)	325 gal poly tank				\$ 30.00				\$ -	
Vapor Pin Sub-Slab Sampl Sub-Slab Cover (Stainless' Weil abandonment kit Weil Cover 8X12" Measuring Wheel Camera LL Tedlar Bag Radon Sample Kit HAZMAT Exemption Shif Manometers Westlaw CAD/drafting/graphics Barricades & Traffic Signs Fall Protection Gloves (Chemical Resistan Cidova (Chemical Resistan Ci	Trimmer	\$ 2	25.00		\$ 50.00				5 -	
Sur-Sur Cover (Startless) Well Jaundonment kit Well Cover 8X12" Measuring Wheel or Pole Camera IL Tedlar Bag Radon Sample Kit HAZMAT Exemption Shif Manometers Westaw CAD/drafting (graphics CAD/drafting (graphics CAD/drafting (Graphics Barricades & Taffic Signs Fall Protection Gloves (Chemical Resistan Gloves (Chemical Resistan Level "B"; Level "C1" plus Standty SCBA Routine Field and Safety E. I. Inch Binder 2. Inch Binder 3. Inch Binder 4. Inch Binder 4. Inch Binder 5. Inch Binde	Vapor Pin Sub-Slab Sampling Port Sub-Slab Courter (Stainlage Steal)	\$ 7	75.00						s -	
Well Cover 8X12* Measuring Wheel Measuring Wheel or Pole Camera IL Tedlar Bag Radon Sample Kit HAZMAT Exemption Shir Manometers Westaw CAD/drafting/graphis Barricades & Traffic Signs Fall Protection Gloves (Chendea & Taffic Signs Fall Protection Gloves (Chendea & Taffic Signs Fall Protection Level "D": Level "C1" plus Standty SCBA Routine Field and Safety E: I Inch Binder 2 Inch Binder 4 Inch Binder 4 Inch Binder Mator Binder Mator Binder Mator Binder	Well abandonment kit	<u>\$</u> 4	25.00						s -	
measuring wheel or Pole Camera IL Tedlar Bag Radon Sample Kit HAZMAT Exemption Shir Manometers Westlaw CAD/drafting/graphics CAD/drafting/graphics GAD/drafting/graphics GAD/drafting/graphics GAD/drafting/graphics Level "C1": Level "C2" plus Level "C1": Level "C2" plus Standby SCBA Routine Field and Safety E: I Inch Binder 2 Inch Binder 4 Inch Binder dated Binder Janked Taba (Set of S)	Well Cover 8X12" Measuring Wheel	\$ 10	05.00		\$ 15.00				s -	
Camera IL Tedlar Bag Radon Sample Kit HAZMAT Exemption Shir Manometers Westlaw CAD/drafting/graphics Baricades & Traffic Signs Fall Protection Gloves (Chemical Resistan Level "B": Level "Cl" plus Level "Cl": Level "Cl" plus Starty Level "Cl": Level "Cl" plus Standby SCBA Routine Field and Safety E- I Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder 4 Inch Binder	Measuring Wheel or Pole				\$ 15.00				\$ -	
Radon Sample Kit HAZMAT Exemption Shit Manometers Westlaw CAD/drafting/graphics Barricades & Traffic Signs Fall Protection Gloves (Chemical Resistan Level "B": Level "C1" plus Level "C1": Level "C2" plus Standby SCBA Routine Field and Safety E: I Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder 4 Inch Binder 4 Inch Binder	Camera 1L Tedlar Bag	5 3	20.00		\$ 25.00				\$ - \$ -	
HAZMAT Exemption Shij Manometers Westlaw CAD/drafting/graphics Barricades & Traffic Signs Fall Protection Gloves (Chemical Resistan Level "B": Level "C1" high Level "C1": Level "C2" ph Level "C2": Level Signa Standby SCBA Rottine Field and Safety E. U Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder 4 Inch Binder	Radon Sample Kit	\$ 3	30.00						\$ -	
Westlaw CAD/drafting/graphics CAD/drafting/graphics Barricades & Traffic Signs Fall Protection Gloves (Chemical Resistan Level "B": Level "C1" 20 H Level "C2": Level "C1" plus Standty SCBA Routine Field and Safety E. Unch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder 4 Inch Binder 5 Inch Bind	HAZMAT Exemption Shipper Manometers	\$ 4 \$ 10	40.00						<u>s</u> -	
CAU/drafting/graphics Barriades & Traffic Signs Fall Protection Gloves (Chemical Resistan Level "B": Level "C1" plus Level "C1": Level "C2" plus Level "C2": Level "C4" plus Standby SCBA Routine Field and Safety E. 1 Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder 4 Inch Binder	Westlaw	\$ 10	05.00						\$ -	
Fall Protection Gloves (Chemical Resistan Carlow Committee Committee Committee Committee Level "C": Level "C" plus Level "C": Level "C" plus Standby SCBA Routine Field and Safety Ei Linch Binder 2. Inch Binder 4. Inch Binder duction Binder Tabs (Set of 8)	CAD/drafting/graphics Barricades & Traffic Signs	\$ 9	90.00		\$ 10.00				s - s -	
Gioves (Chemical Resistan Level "B": Level "C1" plus Level "C1": Level "C2" plu Standby SCBA Routine Field and Safety E 1 Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder 4 Inch Binder 4 Inch Binder	Fall Protection		10.02		\$ 25.00				\$ -	
Level "C1": Level "C2" ph Level "C2": Level "D" plus Standby SCBA Routine Field and Safety E 1 Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder 4 Inch Binder 4 Inch Binder	Gioves (Chemical Resistant) Level "B": Level "C1" plus SCBA	\$ 1	10.00		\$ 210.00				5 - \$ -	
Levet "C_": Level "D* plu Standby SCBA Routine Field and Safety E 1 Inch Binder 2 Inch Binder 4 Inch Binder 4 Inch Binder 5 Minder Tabs (Set of 8) Binder Tabs (Set of 7)	Level "C1": Level "C2" plus Polycoat Suit				\$ 85.00				\$ - \$	
Routine Field and Safety E 1 Inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder binder Tabs (Set of 8) 0 C	Standby SCBA				\$ 40.00 \$ 130.00				5 - \$ -	
1 inch Binder 2 Inch Binder 3 Inch Binder 4 Inch Binder Binder Tabs (Set of 8)	Routine Field and Safety Equipment	6	0.00		\$ 50.00				\$ - \$	
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oduction Binder Tabs (Set of 8)	3 Inch Binder 4 Inch Binder	\$ 1	15.00						s -	
0.1 2	n Binder Tabs (Set of 8)	\$ 2	5.00						s -	
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	1	Phase 23b	SVE Infrastr	ucture Instal	lation			
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Labor - Field		Frice	Unit	# Units			Subtotal	Task Tot
Director Technical Services	1	3 1/3.00	hr				\$0.00	
Sr Engineer	1	s 155.00	hr	12.0			\$0.00	
Sr Protessional		5 133.00	hr	12.0		l	\$1,800.00	
Project Manager	1	\$ 130.00	hr				\$0.00	
Stoff Desfassional	4	\$ 130.00	lli he	66.0			\$7,020,00	
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Labor - Office/Reporting		Price	Unit	# Units			Subtotal	Task To
Director Technical Services	1	\$ 175.00	hr				\$0.00	
Sr Engineer	1	\$ 155.00	hr	8.0			\$1,240.00	
Sr Professional	5	\$ 155.00	hr	14.0			\$2,170.00	
Project Manager	5	\$ 130.00	hr				\$0.00	
Project Professional	5	\$ 130.00	hr	16.0			\$2,080.00	
Staff Professional	5	\$ 120.00	hr	16.0			\$1,920.00	
Field Professional	\$	\$ 95.00	hr	6.0			\$570.00	
Drafting	\$	\$ 85.00	hr	4.0			\$340.00	
Admin	\$	65.00	hr				\$0.00	
Health and Safety Specialist	5	\$ 130.00	hr	4.0			\$520.00	
			hr				\$0.00	
							\$8,840.00	\$8,840.0
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Driter/Contractor	1	5 58,840.00	LS	1.0	1.00		\$38,840.00	
SVE Sound instantion	4	5 3,303.00	1.5	1.0	1.00	l	\$3,303.00	
SVE Telemetry and Controls		5 2,138.00	LS	1.0	1.00	l	\$2,138.00	
SVE System Functional Testing		5 3,340.00	LS	1.0	1.00	l	\$3,340.00	
SVE System Delivery to Sile	4	\$ 3,137.00	LS	1.0	1.00	l	\$3,137.00	
			L3	1.0	1.00		\$0.00	
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Electrical Contractor for Sumply and Connections		00,000 9	1.6	1.0	1.00		\$2,000,00	
Electrical Contractor for Supply and Connections	1	3 8,000.00	L3	1.0	1.00	I I	\$59,000.00	\$59 210
							\$57,210.00	0074210
Contractor/Consultant - Laboratory		Price	Unit	# Units	Markup		Subtotal	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt	\$	Price 83.50	Unit ea	# Units	Markup 1.00		Subtotal \$0.00	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QA/QC	\$	Price 83.50 83.50	Unit ea ea	# Units	Markup 1.00 1.00		Subtotal \$0.00 \$0.00	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QA/QC GW VOC 8260	\$	Price 83.50 83.50 70.00	Unit ea ea	# Units	Markup 1.00 1.00 1.00		Subtotal \$0.00 \$0.00 \$0.00	
Contractor/Consultant - Laboratory Soil VOC 8260 dy wt Soil VOC 8260 dy wt QA/QC GW VOC 8260 GW VOC 8260 QA/QC	\$	Price 83.50 83.50 70.00 70.00	Unit ea ea ea ea	# Units	Markup 1.00 1.00 1.00 1.00		Subtotal \$0.00 \$0.00 \$0.00 \$0.00	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QA/QC GW VOC 8260 dry wt QA/QC GW VOC 8260 QA/QC Air TO:15 - Soil Gas	9 9 9 9 9 9 9	Price 83.50 83.50 70.00 70.00 200.00	Unit ea ea ea ea ea	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00		Subtotal \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt QA/QC GW VOC 8260 dry wt QA/QC GW VOC 8260 QA/QC Air To-15 - Soil Gas Air To-15 - SubSlab	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Price 5 83.50 5 83.50 5 70.00 5 70.00 5 200.00 5 200.00	Unit ea ea ea ea ea ea	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00		Subtotal \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 QAQC GW VOC 8260 QAQC Air T0-15 - Soil Gas Air T0-15 - Sub-Slab Air T0-15 - Indoor Air		Price 8 83.50 8 83.50 70.00 8 200.00 8 200.00 8 200.00 9 200.00	Unit ea ea ea ea ea ea ea	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		Subtotal \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QA/QC GW VOC 8260 QA/QC Air To-15 - Soil Gas Air To-15 - SubSlab Air - Individual Certification	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Price \$ 83.50 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00	Unit ea ea ea ea ea ea ea	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		Subtotal \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt GW VOC 8260 GW VOC 8260 GAVC GW VOC 8260 GAVC Air T0-15 - Soil Gas Air T0-15 - Soil Gas Air T0-15 - Indoor Air Air T0-15 - Indoor Air Air T0-15 - Indoor Air Air - Bahc Certification Air - Bahc Certification	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Price 83.50 83.50 70.00 70.00 200.00 200.00 50.00	Unit ea ea ea ea ea ea ES	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		Subtotal \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
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Contractor/Consultant - Laboratory Soil VOC 8260 dy wt Soil VOC 8260 dy wt QAQC GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - SubSlab Air To-15 - SubSlab Air To-15 - SubSlab Air To-15 - Indovdal Certification Air - Bath Certification Trip Blank VOC's 8260 Level IV QAQC (15%)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Price § 83.50 § 70.00 § 70.00 § 200.00 § 200.00 § 200.00 § 50.00 § 50.00 § 70.00	Unit ea ea ea ea ea ea ea ES ea	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0		Subtotal \$0.00	
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Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - Indoor Air Air To-15 - Indoor Air Air - Bahc Certification Trip Blank VOCs 8260 Level IV QA/QC (15%)		Price § 83.50 § 83.50 § 70.00 § 70.00 § 200.00 § 200.00 § 200.00 § 200.00 § 200.00 § 200.00 § 200.00 § 70.00 § 70.00 § 70.00 § 70.00	Unit ea ea ea ea ea ea ea LS ea Unit day	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		Subtotal \$0.00	\$0.00
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - SubSlab Air To-15 - SubSlab Air - Individual Certification Air - Individual Certification Trip Blank VOC's 8260 Level IV QAQC (15%) Direct Costs - Expenses Hotel		Price \$ 83.50 \$ 83.50 \$ 70.00 \$ 70.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 50.00 \$ 50.00 \$ 70.00	Unit ea ea ea ea ea ea ea ea ES Ea Unit day LS	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0		Subtotal \$0.00	\$0.00
Contractor/Consultant - Laboratory Soil VOC 8260 dry wt Soil VOC 8260 dry wt QAQC GW VOC 8260 dry wt QAQC GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - Soil Gas Air To-15 - Indivedual Certification Air - Bach Certification Trip Blank VOCs 8260 Level IV QAQC (15%) Direct Costs - Expenses Hotel Meals Misc Materials (PVC piping manifold and valves)		Price § 83.50 § 83.50 § 70.00 § 200.00 § 200.00 § 200.00 § 200.00 § 200.00 § 200.00 § 200.00 § 50.00 § 50.00 § 50.00 § 50.00 § 50.00 § 50.00 § 300.00	Unit ca ca ca ca ca ca ca ca ca ca ca LS ca Unit day LS LS LS	# Units	Markup 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0		Subtotal \$\$0.00	\$0.00
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Contractor/Consultant - Laboratory Soil VOC 8260 dry wt QAQC GW VOC 8260 dry wt QAQC GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - SubSlab Air To-15 - SubSlab Air - Individual Certification Air - Individual Certification Air - Individual Certification Air - Batch Certification Trip Blank VOCs 8260 Level IV QA/QC (15%) Direct Costs - Expenses Hotel Mess Materials (PVC piping manifold and valves) Equipment Rental		Price § 83.50 § 83.50 § 70.00 § 70.00 § 70.00 § 200.00 § 200.00 § 200.00 § 200.00 § 200.00 § 50.00 § 50.00 § 50.00 § 50.00 § 50.00 § 50.00 § 300.00	Unit ca ca ca ca ca ca ca ca ca ca ca ca ca	# Units # Units # Units 1.0	Markup 1.00		Subtotal \$0.00	\$0.00

	Direct Costs - Chargeable Equipment Expense	Rate (hr/unit)	# Hrs/Units	Rate (dav/use)	# davs/use	Rate (weeks/use)	# weeks/use	Subtotal	
	Field Vehicle - Full Day	\$ 20.00		\$ 130.00	\$ 6.50	(,		\$ 845.00	
Vehicles	Support Vehicle - Full Day	\$ 30.00		\$ 180.00				5 -	
	Mileage at Federal IRS Reimbursement Rate (used only for daily use over 230 miles) Air Velocity Mater (ner use)	\$ 0.545		\$ 25.00				s -	
	Multi-meter Conductivity/pH/Temp/TDS			\$ 165.00				s -	
	FID Foxboro/Sensidyne (TIP)			\$ 155.00				s -	
Meters	Flow Calibrator Methane Meter			\$ 30.00 \$ 116.00				s - s -	
	PID or 580 OVM Turbidity Meter			\$ 120.00 \$ 30.00				s - s -	
	ppb RAE Ozone Leak Detector			\$ 175.00 \$ 135.00				s - s -	
	Inline Ozone Meter			\$ 230.00 \$ 30.00				s -	
	Air Pump - Low Flow (Barcad)			\$ 25.00				s -	
	Development Pump Electric Submersible Pump with Control Box (Units)			\$ 130.00				s - s -	
Pumpe	Low-Flow Sampling Bladder Peristaltic Pump	\$ 12.00		\$ 105.00				s - s -	
1 umps	Pumping Test Accessory Equipment (Flow Meters/Manifolds/Tubing) Portable SVE Unit - 1.5 HP	\$ 100.00		\$ 155.00				s - s -	
	Intrinsically Safe Vapor Evacuation Blower Pneumatic Low-Flow Pump - 1" Well			\$ 125.00 \$ 50.00				<u>s</u> -	
	Pneumatic Low-Flow Sampling Kit w/ Flow Cell and Multimeter			\$ 270.00				\$ - 6	
	Aspestos Samping Kit Asbestos Investigation Supplies			\$ 250.00 \$ 130.00				s - s -	
	Asbestos Sampling Core Backpack Blower	\$ 2.50		\$ 75.00		\$ 200.00		s - s -	
	Bailers (Disposable) Bailers (Non-Disposable)	\$ 10.00		\$ 15.00				<u>s</u> -	
	Core Boxes Core Sampler	\$ 10.00		\$ 55.00				<u>s</u> -	
	Data Logger with Transducer			\$ 155.00			İ	\$ -	
	Well Caps	\$ 30.00		\$ 100.00				ş -	
	Elec. Well Sounder (Probe) Metal Detector			\$ 30.00 \$ 50.00				<u>s</u> - s -	
	5035 Sample Kit P/T Plugs	\$ 16.00 \$ 5.00						s - s -	
	Field Book Filter - Large	\$ 11.00 \$ 18.00						s -	
	Filter - Small	\$ 9.00		¢ 105.00				s -	
	Generator Hand Auger			\$ 105.00				s - s -	
	Helium QA/QC Kit Helium QA/QC Accessories	\$ 20.00		\$ 265.00				<u>s</u> - s -	
	Oil/Water Interface Probe Padlocks	\$ 15.00	2	\$ 105.00				\$ - \$ 30.00	
	PDB Harness Passive Diffusion Bag	\$ 80.00 \$ 35.00						s - s -	
	Steam Cleaner			\$ 130.00				\$ - \$	
	Coring Machine			\$ 200.00				s -	
	Hand Drill			\$ 170.00				s - s -	
	NAPL Sample Kit Surveying Equipment			\$ 40.00 \$ 50.00		\$ 200.00		<u>s</u> - s -	
Other	SVE Inlet Air Filter SVE Dilution Air Filter			\$ 80.00 \$ 28.00				s - s -	
	SVE Blower Oil (quart) SVE Blower Grease (tube)			\$ 32.00 \$ 20.00				s - s -	
	O2 Meter			\$ 50.00		\$ 175.00		s -	
	Tubing (Bondel) - Polyethylene (Teflon): 1/4" OD X 3/8" OD (per foot)	\$ 1.50		3 18.00				s -	
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 1/4" OD (per foot) Tubing (Bonded) - Polyethylene (Teflon): 1/16" OD X 1/4" (per foot)	\$ 1.20 \$ 1.25						s - s -	
	Tubing (Bonded) - Polyethylene: 1/4" OD X 3/8" OD (per foot) Tubing - Polyethylene: 1/4" OD (per foot)	\$ 1.10 \$ 0.60						s - s -	
	Tubing - Polyethylene: 1/2" OD (per foot) Tubing - Tygon: 3/8" STD (per foot)	\$ 0.85 \$ 4.45						s - s -	
	Tubing - Silicone: 3/8" STD (per foot) System Wring (per foot)	\$ 4.50 \$ 0.60						s -	
	PFA Tubing - 1/2-inch ID	\$ 5.00						s -	
	Nanual Drive Point Ku Nitrile Sampling Gloves (Disposable)	\$ 90.00						s -	
	55-Gallon Drum 550 gal poly tank	\$ 55.00		\$ 40.00				<u>s</u> - s -	
	325 gal poly tank Temporary Sampling Port	\$ 25.00		\$ 30.00				s - s -	
	Trimmer Varor Pin Sub-Slab Sampling Port	\$ 75.00		\$ 50.00				\$.	
	Sub-Slab Cover (Stainless Steel)	\$ 40.00						\$ - \$	
	Well Cover 8X12" Mencode and the second seco	\$ 105.00		e				s -	
	Measuring Wheel Measuring Wheel or Pole			\$ 15.00 \$ 15.00	\$ 1.00			s 15.00 \$ -	
	Camera IL Tedlar Bag	\$ <u>2</u> 0.00		\$ 25.00				s - s -	
	Radon Sample Kit HAZMAT Exemption Shipper	\$ 30.00 \$ 40.00						s - s -	
	Manometers Westlaw	\$ 105.00						<u>s</u> -	
	CAD/rafting/graphics	\$ 90.00		e	e			\$ -	
	Danaades & Trainc Signs Fall Protection			\$ 10.00 \$ 25.00	\$ 5.00			\$ 50.00 \$ -	
Safety	Gloves (Chemical Resistant) Level "B": Level "C1" plus SCBA	\$ 10.00	1	\$ 210.00				\$ 10.00 \$ -	
contery	Level "C1": Level "C2" plus Polycoat Suit Level "C2": Level "D" plus Respirator			\$ 85.00 \$ 40.00				s - s -	
	Standby SCBA Routine Field and Safety Equipment			\$ 130.00 \$ 50.00	\$ 6.00			\$ - \$ 300.00	
	I Inch Binder	\$ 9.00		. 50.00	. 0.00			\$ - \$	
	3 Inch Binder	\$ 12.00 \$ 15.00						s - s -	
Production	4 Inch Binder Binder Tabs (Set of 8)	\$ 22.00 \$ 5.00						s - s -	
	Color Copies B/W Copies	\$ 0.40 \$ 0.25	8					\$ 3.20 \$ -	
	Document - Format/Sending Report CD Copy	\$ 15.00 \$ 5.00						s - s -	
	· · · · · · · · · · · · · · · · · · ·							\$ 1,253.20	\$1,253.20
	PHA	SE TOTA	AL						\$79,383.20

	Project Title:	OHM - V	Wauwatos	sa				0	
	Project Number/Name:	6140					ENVIRO	<i>y</i> eren	SICS
Proce 28 VE System Rential and OAM for 12 Munth Labor - Field Prior File I	Date:	9/17/20)18						
Place 22e SVE System Rental and O&M for 12 Months Labor - Field Price Unit Plane Solved Status Text Teal Depart Field Status 5 1550 Ir Solved So						•			
Labor - Field Price Fue		Phas	e 23c S	VE System	Rental and O	&M for 12	Months		
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Ind Descent S 9 00 hr 5 00 M S 1000 Index disfor speciality 1 </td <td>Staff Professional</td> <td>\$ 1</td> <td>20.00</td> <td>hr</td> <td></td> <td></td> <td></td> <td>\$0.00</td> <td></td>	Staff Professional	\$ 1	20.00	hr				\$0.00	
Italh ad Safey Special S	Field Professional	\$	95.00	hr	56.0			\$5,320.00	
Labor - Office/Reparting Price Unit # tain Statuto Image: Control distribution 5 11500 Mr 8.0 11500 Mr 1100 11500 Mr 1100 11000 <td>Health and Safety Specialist</td> <td>\$ 1</td> <td>30.00</td> <td>hr</td> <td></td> <td></td> <td></td> <td>\$0.00</td> <td></td>	Health and Safety Specialist	\$ 1	30.00	hr				\$0.00	
Eabor - Officie Reporting Price Unit # Unit				hr				\$0.00	
Labor - Office (Reporting Price Unit # Unit # Unit # Unit # School Table (School) bringses 5 1500 br 8 1500 br 6 512800 512800 Bringses 5 1500 br 12.0 1312800 5128000 Priset Maage 5 1300 br 12.0 1500 5128000 Staff Polesical 5 1300 br 30.0 53000 53000 Data Produced 5 1000 br 30.0 1000 53000 Data Produced 5 1000 br 30.0 100 3000 Main 5 65.00 br 0 100 3000 Hold Addres Special 5 100 1000 3000 Brode Consoltant Price Cold \$Cold Addres Special 5000 Data Prode Consoltant Price Lis 100 3000 Barcelocy Consoltant 5								\$7,400.00	\$7,400.00
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Strokessnal	Sr Engineer	\$ 1	55.00	hr	8.0			\$1.240.00	
Project Manager \$ 1300 hr 120 \$ 13900 hr \$ 1300 hr \$ 13000 hr \$ 80 \$ 1394000 Suff Professional \$ 9100 hr \$ 000 hr \$ 000	Sr Professional	\$ 1	55.00	hr	12.0			\$1,860.00	
Project Professional S 13000 Iv 8.0 S1,00,00 Suff Professional S 9500 Iv 36.0 Iv S1,00,00 Admin S 9500 Iv 36.0 Iv S1,00,00 Admin S 650,0 Iv Iv Iv S1,00,00 Main S 100,00 Iv Iv Iv S0,00 Surveyor I Is Io0 S0,00 S0,00 Wate Deposal S 100,00 mosch I20 Io0 S2,000,0 Newsor S 100,00 mosch I20 Io0 S2,000,0 Heinerical Daubes Report S 100,00 Io0 S2,000,0 S3,00,0 S17,000	Project Manager	\$ 1	30.00	hr	12.0			\$1,560.00	
Suff Professional S 12000 hr 36.0 hr 36.0 Staff Professional S 120.00 Mening S 85.00 hr 36.00 hr 36.00 hr 36.00 Mening S 85.00 hr 1 1 1 1000 Mening S 1000 hr 1 1 1000 1000 Mening S 1000 hr 1 1 1000 1000 Mening S 1000 hr 1 100 1000 1000 Utility Loate 1.5 1.00 1000 1000 1000 1000 Strevger 1.5 1.00 4.0 100 1000	Project Professional	\$ 1	30.00	hr	8.0			\$1,040.00	
Field Professional S 95.00 hr 100 \$5.142.000 Adman S 65.00 hr 1 1 1000 1 1000 1 1000 1 1000 1 1000 1 1000	Staff Professional	\$ 1	20.00	hr				\$0.00	
Datage S S. 00 Int Int<	Field Professional	\$	95.00	hr	36.0			\$3,420.00	
Lemm 15 1000 10 100 1000 101 101 101 100 1000 \$\$1,20,00 \$\$1,20,00 Contractors/Consultants Price Uait # Uaits 100 5000 \$\$1,20,00	Drafting	\$	85.00	hr				\$0.00	
Induitation de state 100	Admin Health and Safety Specialist	5	30.00	hr				\$0.00	
Contractor/Consultants Price Unit # Units Markap Salutal Exact 1.5 1.00 \$50.00 \$50.00 Surveyor 1.5 1.00 \$50.00 Wate Deposal \$1.00.0 \$50.00 Bistorical Database Report 1.5 1.00 \$50.00 VPS SVE Equipment Rental \$2.200.00 month 12.0 1.00 \$53.000 Electrical Usage \$2.000.00 month 12.0 1.00 \$53.000 Telemetry Charges \$2.000.00 month 12.0 1.00 \$53.000 Soil VOC 8200 dry wt \$8.35.0 ea 1.00 \$50.000 Soil VOC 8200 dry wt QAQC \$8.35.0 ea 1.00 \$50.000 GW VOC 8200 dry wt QAQC \$7.00.0 ea 1.00 \$50.000 Air Tol 5- SVE Filment \$9.000 ea 1.00 \$50.000 GW VOC 8200 dry wt QAQC \$7.000 ea 1.00 \$50.000 GW VOC 8200 dry wt QAQC \$7.000 ea 1.00 </td <td>Treater and Safety Specialist</td> <td>3 1</td> <td>50.00</td> <td>hr</td> <td></td> <td></td> <td></td> <td>\$0.00</td> <td></td>	Treater and Safety Specialist	3 1	50.00	hr				\$0.00	
Contractors/Consultants Price Unit # Units Markap Sabidal Lidp Locate 1.5 1.00 \$900 Date 1.5 1.00 \$900 Warts Diporal 5.100 \$900 Warts Diporal \$1200 4.5 1.00 \$5000 Warts Diporal \$1200 mm 4.0 1.00 \$52000 Vers SVE Equipment Retail \$2200.00 month 12.0 1.00 \$52000 Telenstry Charge \$200.00 month 12.0 1.00 \$52000 Telenstry Charge \$2200.00 1.0 \$5000 \$5000 Vers SVG Oxy CE 200 dyn Concert \$8350 a 1.00 \$5000 Set Vers E200 dyn Concert \$8350 a 1.00 \$5000 Set Vers E200 dyn Concert \$8350 a 1.00 \$5000 Set Vers E200 dyn Concert \$7000 a 1.00 \$5000 Set Vers E200 dyn Concert \$7000 a 1.00 \$5000 <tr< td=""><td></td><td>· · · ·</td><td></td><td></td><td></td><td>•</td><td>1 1</td><td>\$9,120.00</td><td>\$9,120.00</td></tr<>		· · · ·				•	1 1	\$9,120.00	\$9,120.00
Contractors/Consultants Price Unit # Units Markup Subtord Subtord Diler 1.5 1.00 530.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00 537.20.00									
Unity Locate I.S 1.00 S0.00 Birler I.S 1.00 S0.00 Surveyer I.S 1.00 S0.00 Wast Disposal S1.30.00 drum 4.0 1.00 S0.00 Wast Disposal S.200.00 month 1.20 1.00 S0.00 VPS SVE Equipment Renial S.2,000.00 month 1.20 1.00 S52,000.00 Electrical Usage S.2,000.00 I.S 1.0 1.00 S52,000.00 Electrical Usage S.2,000.00 I.S 1.0 1.00 S50,000 Solid VOC S200 dy vit S200 dy vit S200 dy vit S200 dy vit OAQC S.8350 ea 1.00 S90,00 Gui VOC S200 dy vit OAQC S.700.00 ea 1.00 S90,00 S90,00 Air Tol.3 - Solid Cas S.800.00 ea 1.00 S90,00 S90,00 Air Tol.3 - Solid Cas S.800.00 ea 1.00 S90,00 S90,00 Air Tol.3 - Solid Cas S.800.00 ea 1.00 S90,00 <th>Contractors/Consultants</th> <th>Pri</th> <th>ice</th> <th>Unit</th> <th># Units</th> <th>Markup</th> <th></th> <th>Subtotal</th> <th>Task Total</th>	Contractors/Consultants	Pri	ice	Unit	# Units	Markup		Subtotal	Task Total
Driller I.S 1.00 50.00 Wast Dispoal \$ 130.00 4run 4.0 1.00 \$ 520.00 Historical Database Report I.S 1.100 \$ \$ 520.00 \$ \$ 500.00 VPS SVE Equipment Retail \$ 2.200.00 month 12.0 1.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Utility Locate			LS		1.00		\$0.00	
Surveyor LS 1.00 Solo Wast Dispoal \$ 130.0 drum 4.0 1.00 SSL000 Historial Duabase Report LS 1.00 SSL000 VPS SVE Equipment Retail \$ 2.200.0 mooth 12.0 1.00 SSL000.0 Electrical Usage \$ 700.00 mooth 12.0 1.00 SSL000.0 Telement Retail \$ 2.000.00 LS 1.00 SSL000.0 We Style Equipment Retail \$ 2.000.00 LS 1.00 SSL000.0 Telement Retail \$ 2.000.00 LS 1.00 SSL000.0 Stal VOC Stol dy wt \$ 8.350 ca 1.00 SSl000 Sol VOC Stol dy wt QAQC \$ 8.350 ca 1.00 Sl000 GW VOC Stol dy wt QAQC \$ 70.00 ca 1.00 Sl000 Air To-15 - SVE Effluent \$ 90.00 ca 1.00 Sl00.00 Air To-15 - SVE Effluent \$ 90.00 ca 1.00 Sl00.00 Air To-15 - SVE Effluent \$ 90.00 <t< td=""><td>Driller</td><td></td><td></td><td>LS</td><td></td><td>1.00</td><td></td><td>\$0.00</td><td></td></t<>	Driller			LS		1.00		\$0.00	
Wast Depond \$ 130.0 drum 4.0 1.00 \$ 520.00 PHS NYE Equipment Rental \$ 2,200.0 month 12.0 1.00 \$ \$526,000.00 Extrictal Usage \$ 7,000.00 month 12.0 1.00 \$\$52,000.00 Telemetry Charges \$ 2,000.00 I.S 1.0 1.00 \$\$50,000 Contractor/Consultant - Laboratory Price Unit # Units Markap \$\$0,000 Soil VOC \$250 dry wt \$ \$\$83.50 ea 1.00 \$\$0,000 GW VOC \$250 dry wt \$ \$\$7,000 ea 1.00 \$\$0,000 GW VOC \$250 dry wt \$ \$\$7,000 ea 1.00 \$\$0,000 GW VOC \$250 dry wt \$ \$\$7,000 ea 1.00 \$\$0,000 GW VOC \$250 dry wt \$ \$\$7,000 ea 1.00 \$\$0,000 Air Tol.5 - soid tes \$\$180,00 ea 1.00 \$\$130,000 Air Tol.5 - soid tes \$\$180,00 ea 2.0 1.00 \$\$150,000 Air Tol.5 - soid tes \$\$180,00	Surveyor			LS		1.00		\$0.00	
Instruction LS 1.00 Subout VEX Exploring Retail \$ 2,200.00 month 12.0 1.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Waste Disposal	\$ 1	30.00	drum	4.0	1.00		\$520.00	
Or S A Lophonden Renim 13 2 Job 000 month 12.0 1.00 204,0000 Electrical Usage \$ 200.00 I.S 1.0 1.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Historical Database Report	6 22	00.00	LS	12.0	1.00		\$0.00	
Telemetry Charges 5 2,000.00 ILS 1.00 52,000.00 I 1.00 1.00 50,000 530,000 I 1.00 1.00 50,000 Sol VOC 8260 dy wt 5 83,50 ca 1.00 50,000 Sol VOC 8260 dy wt 5 83,50 ca 1.00 50,000 Sol VOC 8260 dy wt 5 70,00 ca 1.00 50,000 GW VOC 8260 dy wt 5 70,00 ca 1.00 50,000 GW VOC 8260 dy wt 5 70,00 ca 1.00 50,000 GW VOC 8260 dy wt 5 70,00 ca 1.00 50,000 GW VOC 8260 dy wt 5 70,00 ca 1.00 50,000 GW VOC 8260 dy wt 5 70,00 ca 1.00 50,000 GW VOC 8260 dy wt 5 70,00 ca 1.00 50,000 Art Tol-15 - sVE Effloat 5 90,00 ca 1.00 51,90,000 <	Fleetrical Usage	\$ 7	00.00	month	12.0	1.00		\$20,400.00	
Image: Constructor/Consultant - Laboratory Price Unit # Units Markup Subtotal Soil VOC 3260 dry wt 5 83.50 ca 1.00 \$37,320.00 \$37,320.00 Soil VOC 3260 dry wt 5 83.50 ca 1.00 \$00,00 GW VOC 8260 dry wt 5 83.50 ca 1.00 \$00,00 GW VOC 8260 dry wt 5 70,00 ca 1.00 \$00,00 GW VOC 8260 AVQC 5 70,00 ca 1.00 \$00,00 GW VOC 8260 AVQC 5 70,00 ca 1.00 \$00,00 Art TO-15 - SVE Effluent 5 90,00 ca 1.00 \$1,50,00 Art TO-15 - SVE Effluent 5 90,00 ca 1.00 \$1,50,00 Art TO-15 - SVE Effluent 5 90,00 ca 1.00 \$1,50,00 Art TO-15 - SVE Effluent 5 90,00 ca 2.0 1.00 \$1,50,00 Art -Individual Certification 5 50,00 La 1.00 \$1,90,00 \$1,90,00 March Certification S 50,000 Li 1.00	Telemetry Charges	\$ 2.0	00.00	LS	1.0	1.00	1 1	\$2,000.00	
Contractor/Consultant - Laboratory Price Unit # Units Markup Subtotal Soil VOC \$260 dy wt \$ 83,50 ca 1.00 \$0.00 Soil VOC \$260 dy wt \$ 83,50 ca 1.00 \$0.00 GW VOC \$260 \$ 70,00 ca 1.00 \$0.00 Air To.15 - soli Glas \$ 180,00 ca 1.00 \$1,530,00 Air To.15 - suttle filtuent \$ 90,00 ca 1.00 \$1,530,00 Air To.15 - suttle filtuent \$ 90,00 ca 2.0 1.00 \$1,500,00 Air - Individual Centification \$ 50,00 LS 1.00 \$1,00,00 \$1,990,00 Trip Blank VOC \$260 \$ 70,00 ca 1.00 \$1,990,00 \$1,990,00 Mareal S \$ 67,00 LS 1.00 \$0,00,0 \$1,990,00						1.00		\$0.00	
Signature Signature <thsignature< th=""> <thsignature< th=""> <ths< td=""><td></td><td></td><td></td><td></td><td></td><td>1.00</td><td></td><td>\$0.00</td><td></td></ths<></thsignature<></thsignature<>						1.00		\$0.00	
Contractor/Consultant - Laboratory Price Unit # Units Markup Subtotal Soit VOC 3260 dry vt S 83.50 ea 1.00 \$0.00 Soit VOC 3260 dry vt QA/QC S 83.50 ea 1.00 \$0.00 GW VOC 3260 dry vt QA/QC S 70.00 ea 1.00 \$0.00 GW VOC 3260 QA/QC S 70.00 ea 1.00 \$0.00 GW VOC 3260 GA/QC S 90.00 ea 1.00 \$0.00 Art TO-15 - SVE Effluent S 90.00 ea 17.00 \$1530.00 Art TO-15 - solit Ga's S 180.00 ea 2.0 1.00 \$1500.00 Art TO-15 - subtor Air S 90.00 ea 2.0 1.00 \$1500.00 Art To-15 - subtor Air S 50.00 Ea 1.00 \$100.00 \$150.00 Art To-15 - subtor Air S 50.00 1.5 1.00 \$1.990.00 \$1.990.00 Marc Materials S 50.00								\$37,320.00	\$37,320.00
Contractor/Consultant - Laboratory Price Unit # Unit Markup Subtoral Sol VOC S260 dy wt \$ 83.50 ca 1.00 \$0.00 Sol VOC S260 dy wt QAQC \$ 83.50 ca 1.00 \$0.00 GW VOC S260 \$ 70.00 ca 1.00 \$0.00 GW VOC S260 \$ 70.00 ca 1.00 \$0.00 GW VOC S260 \$ 70.00 ca 1.00 \$0.00 Air To.15 - soli Gas \$ 180.00 ca 1.00 \$1.50.00 Air To.15 - soli Gas \$ 180.00 ca 1.00 \$1.50.00 Air To.15 - soli Gas \$ 90.00 ca 1.00 \$1.00.00 Air To.15 - soli Gas \$ 50.00 ca 2.0 1.00 \$1.00.00 Air Joutise Cartification \$ 50.00 ca 2.0 1.00 \$1.00.00 Triblink VOC S820 \$ 70.00 ca 1.00 \$0.00 \$1.90.00 Triblink VOC S820 \$ 70.00 ca 1.00 \$0.00 \$1.90.00 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td></t<>							1		
Soil VOC \$260 dry w1 S 83.50 ca 1.00 \$30.00 GW VOC \$260 \$ 83.50 ca 1.00 \$0.00 GW VOC \$260 \$ 70.00 ca 1.00 \$0.00 GW VOC \$260 \$ 70.00 ca 1.00 \$0.00 Air To-15 - Soil Gas \$ 180.00 ca 1.00 \$0.00 Air To-15 - Soil Gas \$ 180.00 ca 1.00 \$153.00 Air To-15 - Soil Gas \$ 180.00 ca 2.0 1.00 \$153.00 Air To-15 - soil Gas \$ 180.00 ca 2.0 1.00 \$153.00 Air To-15 - soil Gas \$ 180.00 ca 2.0 1.00 \$100.00 Air To-15 - soil Gas \$ 180.00 ca 2.0 1.00 \$100.00 Air To-15 - soil Gas \$ 50.00 LS 1.00 \$100.00 \$100.00 Air - Individual Certification \$ 50.00 LS 1.00 \$1.990.00 \$1.990.00 Voc \$ 8260 \$ 70.00 Ca \$1.00 \$0.00 <t< td=""><td>Contractor/Consultant - Laboratory</td><td>Pri</td><td>ice</td><td>Unit</td><td># Units</td><td>Markup</td><td></td><td>Subtotal</td><td></td></t<>	Contractor/Consultant - Laboratory	Pri	ice	Unit	# Units	Markup		Subtotal	
Soit VOC \$260 S S.0 Cal 1.00 S0.00 GW VOC \$260 \$ 70.00 ca 1.00 \$0.00 Air TO-15 - SOIE Effluent \$ 90.00 ca 17.0 1.00 \$ \$150.00 Air TO-15 - SVE Effluent \$ 90.00 ca 2.0 1.00 \$ \$150.00 Air TO-15 - subte Crification \$ \$50.00 LS 1.00 \$ \$100.00 Air -Individual Certification \$ \$0.00 LS 1.00 \$ \$0.00 Trip Blank VOCs \$260 \$ 70.00 ca 1.00 \$ \$0.00 Mace Materials \$ \$ \$00.00 LS 1.00 \$ \$0.00 Mace Materials \$ \$ \$00.00 LS 1.00 \$ \$0.00 Mace Materials \$ \$ \$00.00 LS 1.00 \$ \$ \$0.00 Mace Materials \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Soil VOC 8260 dry wt	3	83.50	ea		1.00		\$0.00	
GW VOC 8260 QAQC S 70.00 ca 1.00 5000 Arr TO-15 - Soll Gas \$ 180.00 ca 1.00 \$ 50.00 Arr TO-15 - Soll Effluent \$ 90.00 ca 1.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	GW VOC 8260	3	70.00	ea		1.00		\$0.00	
Air To.15 - Sull Cas 5 180.00 cas 1.00 \$ \$ 90.00 Air To.15 - Sull Cas S 90.00 cas 1.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	GW VOC 8260 OA/OC	ŝ	70.00	ea		1.00		\$0.00	
Air To-15 - sVE Effluent S 90.00 en 17.0 1.00 \$1,530.00 Air To-15 - outdoor Air S 180.00 ea 2.0 1.00 \$1500.00 Air - Individual Certification S \$0.00 ea 2.0 1.00 \$100.00 Air - Batch Certification S \$0.00 ea 1.00 \$0.00 Air - Batch Certification S 70.00 ea 1.00 \$0.00 Trip Blank VOCs 8260 S 70.00 ea 1.00 \$0.00 Trip Blank VOCs 8260 S 97.00 ea 1.00 \$0.00 Teret Costs - Expenses Free Unit # Units Markup \$199.00 \$199.00 Meals S 67.00 1.5 1.00 \$0.00 \$0.00 Mac Materials S 50.00 1.5 1.00 \$50.00 \$50.00 Mac Materials S 50.00 1.00 \$0.00 \$0.00 \$0.00 \$0.00 <tr< td=""><td>Air TO-15 Soil Gas</td><td>\$ 1</td><td>80.00</td><td>ea</td><td></td><td>1.00</td><td></td><td>\$0.00</td><td></td></tr<>	Air TO-15 Soil Gas	\$ 1	80.00	ea		1.00		\$0.00	
Air To-15 - outdoor Air S 100 S360.00 Air To-15dy-outdoor Air S 50.00 ca 2.0 1.00 S100.00 Air - Batch Certification S 50.00 LS 1.00 S0.00 Air - Batch Certification S 50.00 LS 1.00 S0.00 Trip Blank VOCs 8260 S 70.00 ca 1.00 S0.00 S11990.00 S1990.00 S11900.00 S11900.00 S11900.00 S11900.00 S11900.00 S11900.00 S11900.00 S11900.00 S11900.00 S1100 Markup S1100 S0000 Meals S 67.00 LS 1.00 S50.00 Miss Materials S 500.00 LS 1.00 S0.00 Carrials S 1.00 S0.00 </td <td>Air TO-15 SVE Effluent</td> <td>\$</td> <td>90.00</td> <td>ea</td> <td>17.0</td> <td>1.00</td> <td></td> <td>\$1,530.00</td> <td></td>	Air TO-15 SVE Effluent	\$	90.00	ea	17.0	1.00		\$1,530.00	
Air-Individual Certification S 50,00 ca 2.0 1.00 \$100,00 Air-Individual Certification S 50,00 LS 1.00 \$0,00 Trip Blank VOCs 8260 S 70,00 ca 1.00 \$0,00 S1,990,00 Direct Costs - Expenses Price Unit # Units Markup Subtotal Meals S 120,00 day 1.00 \$0,00 Mais Materials S 60,00 LS 1.00 \$0,00 Misc Materials \$ 500,00 LS 1.00 \$ \$0,00 Misc Materials \$ 500,00 LS 1.00 \$ \$ \$0,00 Misc Materials \$ 00,00 LS 1.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Air TO-15 outdoor Air	\$ 1	80.00	ea	2.0	1.00		\$360.00	
Air-Bach Cetification \$ 50,00 LS 1.00 \$ 50,00 Trip Blank VCs \$260 \$ 70,00 ea 1.00 \$ \$ 0,00 Subotal Direct Costs - Expenses Price Unit # Units Markup Subotal Meals \$ 120,00 day 1.00 \$ \$0,00 Mise Materials \$ 500,00 LS 1.00 \$ \$ \$0,00 Image: Cost and the state of the stat	Air - Individual Certification	\$	50.00	ea	2.0	1.00		\$100.00	
Imp Blank VOCs 8260 S 70.00 ca 1.00 \$1,990.00 S1,990.00 Direct Costs - Expenses Birect Costs - Expenses Price Unit # Units Markup Subtotal Birect Costs - Expenses \$ 120.00 day 1.00 \$ \$0.00 Meals \$ 67.00 LS 1.00 \$ \$0.00 Misc Materials \$ 500.00 LS 1.00 \$ \$ \$00.00	Air - Batch Certification	\$	50.00	LS		1.00		\$0.00	
Direct Costs - Expenses Price Unit # Units Markup Subtotal Hotel \$ 120.00 day 1.00 \$00.00 Meals \$ 67.00 LS 1.00 \$00.00 Mise Materials \$ 67.00 LS 1.00 \$500.00	Trip Blank VOCs 8260	\$	70.00	ea		1.00		\$0.00	\$1.990.00
Direct Costs - Expenses Price Unit # Units Markup Subtotal Hotel S 120.00 day 1.00 \$0.00 Meals S 67.00 LS 1.00 \$500.00 Misc Materials S 500.00 LS 1.00 \$500.00 Image: Control of the system S 500.00 LS 1.00 \$500.00 Image: Control of the system Image: Control of the system \$500.00 \$500.00 \$500.00 Image: Control of the system Image: Control of the system \$500.00 \$500.00 \$500.00 Image: Control of the system Image: Control of the system \$500.00 \$500.00 \$500.00 Image: Control of the system Image: Control of the system \$500.00 \$500.00 \$500.00 Image: Control of the system Image: Control of the system \$500.00 \$500.00 \$500.00								\$1,770.00	31,770.00
Hotel S 120.00 day 1.00 \$50.00 Meals \$ 67.00 LS 1.00 \$50.00 Mise Materials \$ 500.00 LS 1.00 \$50.00 Mise Materials \$ 000 LS 1.00 \$50.00 Mise Materials \$ 000 LS 1.00 \$50.00 Mise Materials \$ 000 LS 0.00 \$50.00 Mise Materials \$ 0 1.00 \$50.00 Mise Materials \$ \$ \$ Mise Materials \$ \$ <	Direct Costs - Expenses	Pri	ice	Unit	# Units	Markup		Subtotal	
Meals \$ 67,00 1.5 1.00 \$ \$0,00 Misc Materials \$ 50,00 1.5 1.00 \$ \$ \$00,00 Misc Materials \$ 00,00 1.5 1.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Hotel	\$ 1	20.00	dav		1.00		\$0.00	
Misc Materials \$ 500.00 LS 1.0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Meals	\$	67.00	LS		1.00	1	\$0.00	
Image: line state s	Misc Materials	\$ 5	00.00	LS	1.0	1.00		\$500.00	
Image: line state s						1.00		\$0.00	
1.00 \$0.00 1.00 \$0.00 1.00 \$0.00 1.00 \$0.00 1.00 \$0.00 1.00 \$0.00 1.00 \$0.00 1.00 \$0.00 1.00 \$0.00 1.00 \$0.00 1.00 \$0.00						1.00		\$0.00	
S0.00 S0.00 S0.00 S0.00 S0.00 S0.00						1.00		\$0.00	
50.00 \$500.00 \$500.00					l			\$0.00	
\$500.00 \$500.00								\$0.00	
		I			•			\$500.00	\$500.00

		Rate		Rate		Rate	#	
	Direct Costs - Chargeable Equipment Expense	(hr/unit)	# Hrs/Units	(day/use)	# days/use	(weeks/use)	weeks/use	Subtotal
Vehicles	Support Vehicle - Full Day	\$ 30.00		\$ 180.00	÷ 12.30			\$ -
	Mileage at Federal IRS Reimbursement Rate (used only for daily use over 230 miles)	\$ 0.545						s -
	Air Velocity Meter (per use) Multiameter Conductivity/pH/Temp/TDS			\$ 25.00 \$ 165.00				s - s -
	Dissolved Oxygen Meter			\$ 40.00				s -
	FID Foxboro/Sensidyne (TIP) Flow Calibrator			\$ 155.00 \$ 30.00				s - s -
Meters	Methane Meter PID or 580 OVM			\$ 116.00 \$ 120.00				\$ - \$ -
	Turbidity Meter			\$ 30.00	ê (00			\$ -
	ppb KAE Ozone Leak Detector			\$ 175.00 \$ 135.00	\$ 6.00			\$ 1,050.00
	Inline Ozone Meter ORP Meter			\$ 230.00 \$ 30.00				<u>s</u> -
	Air Pump - Low Flow (Barcad)			\$ 25.00				s -
	Development Pump Electric Submersible Pump with Control Box (Units)			\$ 130.00 \$ 130.00				<u>s</u> -
	Low-Flow Sampling Bladder	\$ 12.00		\$ 105.00				s -
Pumps	Pumping Test Accessory Equipment (Flow Meters/Manifolds/Tubing)	\$ 100.00						ş -
	Portable SVE Unit - 1.5 HP Intrinsically Safe Vapor Evacuation Blower			\$ 155.00 \$ 125.00				<u>s</u> - s -
	Pneumatic Low-Flow Pump - 1" Well Pneumatic Low-Flow Sampling Kit w/ Flow Cell and Multimeter			\$ 50.00 \$ 270.00				s - s -
	Asbestos Sampling Kit			\$ 250.00				ş -
	Asbestos Investigation Supplies Asbestos Sampling Core	\$ 2.50		\$ 130.00				s - s -
	Backpack Blower	\$ 10.00		\$ 75.00		\$ 200.00		s -
	Bailers (Non-Disposable)	.ə 10.00		\$ 15.00				s -
	Core Boxes Core Sampler	\$ 10.00		\$ 55.00				<u>s</u> -
	Data Logger with Transducer			\$ 155.00				\$ -
	Well Caps	\$ 30.00		\$ 100.00				ş -
	Elec. Well Sounder (Probe) Metal Detector			\$ 30.00 \$ 50.00				<u>s</u> -
	Nitrile Sampling Gloves (Disposable)	\$ 0.13						s -
	P/T Plugs	\$ 16.00 \$ 5.00						s - \$ -
	Field Book Filter - Large	\$ 11.00 \$ 18.00						s - s -
	Filter - Small	\$ 9.00						s -
	Generator Hand Auger			\$ 105.00 \$ 30.00				<u>s</u> - s -
	Helium QA/QC Kit Helium QA/QC Accessories	\$ 20.00		\$ 265.00				s - s -
	Oil/Water Interface Probe	0 20.00		\$ 105.00				ş -
	Padlocks PDB Harness	\$ 15.00 \$ 80.00						<u>s</u> - s -
	Passive Diffusion Bag Steam Cleaner	\$ 35.00		\$ 130.00				s -
	Transducer (ea)			\$ 40.00				ş -
	Coring Machine Rotary Hammer Drill			\$ 200.00 \$ 170.00	\$ 0.50			\$ - \$ 85.00
	Hand Drill NAPL Sample Kit			\$ 75.00 \$ 40.00				s -
	Surveying Equipment			\$ 50.00		\$ 200.00		ş -
Jther	SVE Inlet Air Filter SVE Dilution Air Filter			\$ 80.00 \$ 28.00				<u>s</u> - s -
	SVE Blower Oil (quart) SVE Blower Grease (tube)			\$ 32.00 \$ 20.00				s - s -
	O2 Meter			\$ 50.00		\$ 175.00		ş -
	Ozone Air Filter Holder Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 3/8" OD (per foot)	\$ 1.50		\$ 18.00				<u>s</u> -
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 1/4" OD (per foot) Tubing (Bonded) - Polyethylene (Teflon): 1/16" OD X 1/4" (per foot)	\$ 1.20 \$ 1.25						s -
	Tubing (Bonded) - Polyethylene: 1/4" OD X 3/8" OD (per foot)	\$ 1.10						ş -
	Tubing - Polyethylene: 1/4" OD (per toot) Tubing - Polyethylene: 1/2" OD (per foot)	\$ 0.60 \$ 0.85						<u>s</u> - s -
	Tubing - Tygon: 3/8" STD (per foot) Tubing - Silicone: 3/8" STD (per foot)	\$ 4.45 \$ 4.50						s - s -
	System Wiring (per foot)	\$ 0.60						ş -
	Manual Drive Point Kit	\$ 5.00 \$ 90.00						s - s -
	55-Gallon Drum 550 gal poly tank	\$ 55.00		\$ 40.00				s - s -
	325 gal poly tank			\$ 30.00	\$ 2.00			\$ 60.00
	Trimmer	\$ 25.00		\$ 50.00				s -
	Vapor Pin Sub-Slab Sampling Port Sub-Slab Cover (Stainless Steel)	\$ 75.00 \$ 40.00	2					\$ 150.00 \$ 80.00
	Well abandonment kit	\$ 25.00						\$ - ¢
	Measuring Wheel	\$ 105.00		\$ 15.00				s -
	Measuring Wheel or Pole			\$ 15.00 \$ 25.00				s - s -
	IL Tedlar Bag Dodan Somala Kit	\$ 20.00		20.00				s -
	HAZMAT Exemption Shipper	\$ 30.00 \$ 40.00						s - S -
	Manometers Westlaw	\$ 105.00 \$ 105.00	1					\$ 105.00 \$ -
	CAD/drafting/graphics	\$ 90.00						\$ -
	Barricades & Traffic Signs Fall Protection			\$ 10.00 \$ 25.00				<u>s</u> -
	Gloves (Chemical Resistant) Level "R"- Level "C1" plus SCRA	\$ 10.00	2	\$ 210.00				\$ 20.00 \$
afety	Level "C1": Level "C2" plus Polycoat Suit			\$ 85.00				s -
	Level "C2": Level "D" plus Respirator Standby SCBA			\$ 40.00 \$ 130.00				<u>s</u> -
	Routine Field and Safety Equipment	6 0.5-		\$ 50.00	\$ 12.50			\$ 625.00
	2 Inch Binder	\$ 9.00 \$ 12.00						s - \$ -
	3 Inch Binder 4 Inch Binder	\$ 15.00 \$ 22.00						s - s -
roduction	Binder Tabs (Set of 8)	\$ 5.00	10					s -
	B/W Copies	\$ 0.40 \$ 0.25	24					\$ 4.80 \$ 6.00
	Document - Format/Sending Report CD Copy	\$ 15.00 \$ 5.00						s - s -
	• · · · · · · · · · · · · · · · · · · ·							\$ 3,810.80
	РНА	ASE TOT	4L					

Project Title:	0	HM - Wauwa	tosa			and the second second second second	0	
Project Number/Name:	61	L40			-	ENVIRO	/eren	ISICS
Date:	9/	/17/2018			-	/		
					-			
	1	Phase 23d	Data Analysi	s and Bi-ann	ual Performa	nce Reporting		
Labor - Field		Price	Unit	# Units			Subtotal	Task Total
Director Technical Services	47	5 175.00	hr				\$0.00	1
Sr Engineer		5 155.00	hr				\$0.00	1
Sr Project Manager		S 135.00 S 130.00	hr	1	1		\$0.00	1
Project Professional	5	5 130.00	hr	1			\$0.00	1
Staff Professional	5	5 120.00	hr	1		i i	\$0.00	1
Field Professional	ş	95.00	hr				\$0.00	1
Health and Safety Specialist	5	\$ 130.00	hr				\$0.00	1
			hr				\$0.00	50.00
							\$0.00	\$0.00
Labor - Office/Reporting		Price	Unit	# Units			Subtotal	Task Total
Director Technical Services	5	5 175.00	hr	4.0		i i	\$700.00	1
Sr Engineer	5	5 155.00	hr	8.0			\$1,240.00	1
Sr Professional	5	\$ 155.00	hr	12.0			\$1,860.00	1
Project Manager	4	5 130.00	hr				\$0.00	1
Project Professional	•	5 130.00	hr	24.0			\$3,120.00	1
Stati Professional	4	95.00	hr	16.0			\$1.520.00	1
Drafting	3	85.00	hr	8.0			\$680.00	1
Admin	ŝ	65.00	hr	0.0			\$0.00	1
Health and Safety Specialist	4	5 130.00	hr				\$0.00	1
			hr				\$0.00	
							\$9,120.00	\$9,120.00
Contractor /Consultants		n :			1	1		
Contractors/Consultants		Price	Unit	# Units	Markup		Subtotal	I ask I otal
Driller			LS	ł	1.00		\$0.00	1
Surveyor			LS		1.00		\$0.00	1
Waste Disposal			LS		1.00		\$0.00	1
Historical Database Report			LS		1.00		\$0.00	1
Remediation			LS		1.00		\$0.00	1
					1.00		\$0.00	1
				ł	1.00		\$0.00	1
				1	1.00		\$0.00	1
					1.00	1 1	\$0.00	\$0.00
Contractor/Consultant - Laboratory		Price	Unit	# Units	Markup		Subtotal	1
Soil VOC 8260 dry wt	\$	83.50	ea		1.00		\$0.00	1
Soil VOC 8260 dry wt QA/QC	3	83.50	ea		1.00		\$0.00	1
GW VOC 8260 GW VOC 8260 OM/OC	3	70.00	ea	ł	1.00		\$0.00	1
Air TO-15 Soil Gas	4	\$ 200.00	ea		1.00		\$0.00	1
Air TO-15 Sub-Slab	5	5 200.00	ea	1	1.00		\$0.00	1
Air TO-15 Indoor Air	5	\$ 200.00	ea	1	1.00	i i	\$0.00	1
Air - Individual Certification	ş	50.00	ea		1.00		\$0.00	1
Air - Batch Certification	\$	50.00	LS		1.00		\$0.00	1
Trip Blank VOCs 8260	\$	70.00	ea		1.00		\$0.00	1
Level IV QA/QC (15%)	1		1				\$0.00	\$0.00
							\$0.00	30.00
Direct Costs - Expenses		Price	Unit	# Units	Markup		Subtotal	
Hotel	5	5 120.00	day		1.00		\$0.00	1
Meals	\$	67.00	LŚ	i –	1.00		\$0.00	1
Misc Materials			LS		1.00		\$0.00	1
Equipment Rental			LS		1.00		\$0.00	1
				ł	l	├ ─── ├ ───	\$0.00	1
					+		\$0.00	l
				1			\$0.00	1
			1	1	1		\$0.00	1
			•				\$0.00	\$0.00

	Biwat Costa - Chauzabla Fauinmant Ferransa	Rate	# Hug/Unita	Rate	# days/use	Rate	#	Subtotal	
	Field Vehicle - Full Day	(nr/unit) \$ 20.00	# HFS/Units	(day/use) \$ 130.00	# days/use	(weeks/use)	weeks/use	Subtotal S -	
Vehicles	Support Vehicle - Full Day	\$ 30.00		\$ 180.00				s -	
Marrie	Mileage at Federal IRS Reimbursement Rate (used only for daily use over 230 miles)	\$ 0.545						s -	
	Air Velocity Meter (per use) Multi-meter Conductivity/pH/Temp/TDS			\$ 25.00 \$ 165.00				s - s -	
	Dissolved Oxygen Meter FID Foxboro/Sensidyne (TIP)			\$ 40.00 \$ 155.00				s - s -	
	Flow Calibrator Methane Meter			\$ 30.00 \$ 116.00				s - s -	
Meters	PID or 580 OVM			\$ 120.00				ş -	
	ppb RAE			\$ 175.00				s -	
	Ozone Leak Detector Inline Ozone Meter			\$ 135.00 \$ 230.00				s - s -	
	ORP Meter Air Pump - Low Flow (Barcad)			\$ 30.00 \$ 25.00				s - s -	
	Development Pump Electric Submersible Pump with Control Box (Units)			\$ 130.00 \$ 130.00				s - s -	
	Low-Flow Sampling Bladder	\$ 12.00		\$ 105.00				\$ - \$	
Pumps	Pumping Test Accessory Equipment (Flow Meters/Manifolds/Tubing)	\$ 100.00		3 105.00				s -	
	Portable SVE Unit - 1.5 HP Intrinsically Safe Vapor Evacuation Blower			\$ 155.00 \$ 125.00				s - s -	
	Pneumatic Low-Flow Pump - 1" Well Pneumatic Low-Flow Sampling Kit w/ Flow Cell and Multimeter			\$ 50.00 \$ 270.00				s - s -	
	Asbestos Sampling Kit Asbestos Investigation Supplies			\$ 250.00 \$ 130.00				s - s -	
	Asbestos Sampling Core	\$ 2.50		\$ 75.00		\$ 200.00		\$ - \$	
	Bailers (Disposable)	\$ 10.00		\$ 15.00		3 200.00		s -	
	Bailers (Non-Disposable) Core Boxes	\$ 10.00		\$ 15.00				s - s -	
	Core Sampler Data Logger with Transducer			\$ 55.00 \$ 155.00				\$ - \$ -	
	De-scaler Well Caps	\$ 30.00		\$ 100.00				s -	
	Elec. Well Sounder (Probe)			\$ 30.00 \$ 50.00				s -	
	Nitrile Sampling Gloves (Disposable)	\$ 0.13		3 50.00				\$ - ¢	
	5055 Sample Kit P/T Plugs	\$ 16.00						s - s -	
	Field Book Filter - Large	\$ 11.00 \$ 18.00						\$ - \$ -	
	Filter - Small Generator	\$ 9.00		\$ 105.00				s - s -	
Other	Hand Auger Helium QA/QC Kit			\$ 30.00 \$ 265.00				s - s -	
	Helium QA/QC Accessories	\$ 20.00		¢ 105.00				ş -	
	Padlocks	\$ 15.00		\$ 105.00				s -	
	PDB Harness Passive Diffusion Bag	\$ 80.00 \$ 35.00						s - s -	
	Steam Cleaner Transducer (ea)			\$ 130.00 \$ 40.00				s - s -	
	Coring Machine Rotary Hammer Drill			\$ 200.00 \$ 170.00				s - s -	
	Hand Drill NAPI. Sample Kit			\$ 75.00 \$ 40.00				s - s -	
	Surveying Equipment			\$ 50.00		\$ 200.00		ş -	
	SVE inter Air Filter			\$ 28.00				s -	
	SVE Blower Oil (quart) SVE Blower Grease (tube)			\$ 32.00 \$ 20.00				s - s -	
	02 Meter Ozone Air Filter Holder			\$ 50.00 \$ 18.00		\$ 175.00		s - s -	
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 3/8" OD (per foot) Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 1/4" OD (per foot)	\$ 1.50 \$ 1.20						s - s -	
	Tubing (Bonded) - Polyethylene (Teflon) : 1/16" OD X 1/4" (per foot)	\$ 1.25 \$ 1.10						s -	
	Tubing (Bonded) - royentylene: 1/4 OD (per foot) Tubing - Polyethylene: 1/4" OD (per foot)	\$ 0.60						s -	
	Tubing - Polyethylene: 1/2" OD (per toot) Tubing - Tygon: 3/8" STD (per foot)	\$ 0.85 \$ 4.45						s - s -	
	Tubing - Silicone: 3/8" STD (per foot) System Wiring (per foot)	\$ 4.50 \$ 0.60						<u>s</u> - s -	
	PFA Tubing - 1/2-inch ID Manual Drive Point Kit	\$ 5.00 \$ 90.00						s - s -	
	55-Gallon Drum 550 gal poly tank	\$ 55.00		\$ 40.00				s - s -	
	325 gal poly tank Temporary Sampling Port	\$ 25.00		\$ 30.00				s -	
	Trimmer	¢ 25.00		\$ 50.00				~ - e	
	Vapor Pin Sub-Slab Sampling Port Sub-Slab Cover (Stainless Steel)	\$ 75.00 \$ 40.00						s - s -	
	Well abandonment kit Well Cover 8X12"	\$ 25.00 \$ 105.00						s - s -	
	Measuring Wheel Measuring Wheel or Pole			\$ 15.00 \$ 15.00				s - s -	
	Camera 1L Tedlar Bag	\$ 20.00		\$ 25.00				s - s -	
	Radon Sample Kit	\$ 30.00						\$ \$	
	Manometers	\$ 105.00						s -	
	Westiaw CAD/drafting/graphics	\$ 105.00 \$ 90.00						s - \$ -	
Safety	Barricades & Traffic Signs Fall Protection			\$ 10.00 \$ 25.00				s - s -	
	Gloves (Chemical Resistant) Level "B": Level "C1" plus SCBA	\$ 10.00		\$ 210.00				s - s -	
	Level "C1": Level "C2" plus Polycoat Suit			\$ 85.00				\$ \$	
	Standby SCBA			\$ 130.00				s -	
	Koutine rield and Safety Equipment I Inch Binder	\$ 9.00		\$ 50.00				s - s -	
Production	2 Inch Binder 3 Inch Binder	\$ 12.00 \$ 15.00						\$ - \$ -	
	4 Inch Binder Binder Tabs (Set of 8)	\$ 22.00 \$ 5.00						s - s -	
	Color Copies B/W Copies	\$ 0.40 \$ 0.25	12					\$ 4.80 \$ 2.50	
	Document - Format/Sending	\$ 15.00	2					\$ 30.00	
	Incon CD Copy	a 5.00						\$ 37.30	\$37.30
PHASE TOTAL									\$9,157.30
ect Title:	OHM - Wauw	atosa		-					
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ect Number/Name:	6140			EL	IVIRO Jeren:	SICS			
:	9/17/2018			-					
	Phase 23e	Year End Co	onfirmation S	ampling					
Labor - Field	Price	Unit	# Units		Subtotal	Task Tota			
Director Technical Services	\$ 175.00	hr			\$0.00				
Sr Engineer	\$ 155.00	hr			\$0.00				
Sr Professional	\$ 155.00	hr			\$0.00				
Project Manager	\$ 130.00	hr			\$0.00				
Project Professional	\$ 130.00	hr			\$0.00				
Statt Professional	\$ 120.00	hr	16.0		\$1.520.00				
Health and Safaty Specialist	\$ 130.00	hr	10.0		\$1,520.00				
ricann and Salety Specialist	3 130.00	hr			\$0.00				
	1 1			1 1	\$1,520.00	\$1,520.			
				г г –	[
Labor - Office/Reporting	Price	Unit	# Units		Subtotal	Task To			
Director Technical Services	\$ 1/5.00	hr	2.0		\$350.00				
Sr Engineer	\$ 155.00	hr	4.0		\$620.00				
Sr Professional	\$ 135.00	hr	20.0		\$3,100.00				
Project Manager	\$ 130.00	hr	12.0		\$1,560,00				
Project Professional	\$ 130.00	hr	12.0		\$1,560.00				
Statt Professional	\$ 95.00	hr	4.0		\$380.00				
Drafting	\$ 85.00	hr	1.0		\$0.00				
Admin	\$ 65.00	hr			\$0.00				
Health and Safety Specialist	\$ 130.00	hr		1	\$0.00				
		hr	1		\$0.00				
					\$6,010.00	\$6,010.0			
Contractors/Consultants	Bala	11-14	# 11-14-	Manlaur	Subtatal	T. d. T.			
Utility Leasts	Frice \$ 750.00	Unit	# Units	магкир	Subtotal \$750.00	Task To			
Driller	\$2,500,00	LS	1.0	1.00	\$2,500,00				
Surveyor	\$2,500.00	IS	1.0	1.00	\$0.00				
Waste Disnosal	\$ 130.00	drum	2.0	1.00	\$260.00				
Historical Database Report		LS		1.00	\$0.00				
Remediation		LS		1.00	\$0.00				
			1	1.00	\$0.00				
				1.00	\$0.00				
				1.00	\$0.00				
				1.00	\$0.00				
					\$3,510.00	\$3,510.0			
Contractor/Consultant - Laboratory	Price	Unit	# Linits	Markun	Subtotal				
Soil VOC 8260 dry wt	\$ 70.00	ea	12.0	1.00	\$840.00				
	- 10.00				00.00				
Soil VOC 8260 dry wt QA/QC		ea		1.00	\$0.00				
GW VOC 8260 dry wt QA/QC GW VOC 8260		ea ea		1.00 1.00	\$0.00 \$0.00				
Son VOC 8260 dry wt QA/QC GW VOC 8260 GW VOC 8260 QA/QC		ea ea ea		1.00 1.00 1.00	\$0.00 \$0.00 \$0.00				
Soi VOC 8260 dry wt QA/QC GW VOC 8260 GW VOC 8260 QA/QC Air TO-15 – Soil Gas		ea ea ea ea		1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$0.00				
Soil VOC 8260 dy WTQAQC GW VOC 8260 GW VOC 8260 QA/QC Air TO-15 – Soil Gas Air TO-15 – Sub-Slab	\$ <u>90.00</u>	ea ea ea ea	5.0	1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$0.00 \$450.00				
Soil VOC 8:260 dry W (A/QC GW VOC 8:260 GW VOC 8:260 QA/QC Air TO-15 – Soil Gas Air TO-15 – Indor Air	\$ 90.00	ea ea ea ea ea	5.0	1.00 1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$0.00 \$450.00 \$0.00				
Soil VOC 8:260 dry W (2A/QC GW VOC 8:260 GW VOC 8:260 QA/QC Air TO-15 - Soil Gas Air TO-15 - Sub-Slab Air TO-15 - Indoor Air Air - Indroidual Certification	\$ 90.00	ea ea ea ea ea ea ea	5.0	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$0.00 \$450.00 \$0.00 \$0.00 \$0.00				
Soil VOC 8.260 dry W QAQC GW VOC 8260 GW VOC 8260 QAQC Air TO-15 – Soil Gas Air TO-15 – Sub-Slab Air TO-15 – Indov Air Air - Hadvidual Certification Air - Batch Certification	\$ 90.00 \$ 50.00	ea ea ea ea ea ea LS	5.0	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$0.00 \$450.00 \$450.00 \$0.00 \$0.00 \$50.00				
Soil VOC 8260 dry W (QAQC GW VOC 8260 GW VOC 8260 QAQC Air TO-15 – Soli Gas Air TO-15 – Soli Gas Air TO-15 – Soli Slab Air TO-15 – Indoor Air Air – Individual Certification Air - Batch Certification Trip Blank VOCs 8260	\$ 90.00 \$ 50.00	ea ea ea ea ea ea ES ea	5.0	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$450.00 \$450.00 \$0.00 \$50.00 \$50.00 \$0.00 \$1340.00 \$1340.00	\$1 340 0			
Soil VOC 8260 dry W QAQC GW VOC 8260 GW VOC 8260 QAQC Air TO-15 - Soil Gas Air TO-15 - Soil Gas Air TO-15 - Indoor Air Air - Individual Certification Air - Batch Certification Trip Blank VOCs 8260	\$ 90.00 \$ 50.00	ea ea ea ea ea ea ES ea	5.0	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$450.00 \$450.00 \$0.00 \$0.00 \$0.00 \$1.340.00	\$1,340.			
Soil VOC 8260 dry W QAQC GW VOC 8260 GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - Soil Gas Air To-15 - Eabslab Air To-15 - Indoor Air Air - Indoor Air Air - Indoor Air Air - Batch Certification Air - Batch Certification Trip Blank VOCs 8260 Direct Costs - Expenses	\$ 90.00 \$ 50.00 Price	ea ea ea ea ea ea LS ea Unit	5.0 1.0 # Units	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$450.00 \$450.00 \$0.00 \$0.00 \$50.00 \$50.00 \$1,340.00 \$ultipue \$1,340.00	\$1,340.0			
Soil VOC 8260 dry W QAQC GW VOC 8260 GW VOC 8260 QAQC Air TO-15 - Soil Gas Air TO-15 - Soil Gas Air TO-15 - Indoor Air Air - Individual Certification Air - Individual Certification Air - Batch Certification Trip Blank VOCs 8260 Direct Costs - Expenses Hotel	\$ 90.00 \$ 50.00 Price \$ 120.00	ea ea ea ea ea ea LS ea Unit day	5.0 1.0 # Units	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$450.00 \$50.00 \$0.00 \$50.00 \$1.340.00 \$1.340.00 \$0.00 \$0.00 \$1.340.00	\$1,340.0			
Soil VOC 8260 dry W QAQC GW VOC 8260 GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - Soil Gas Air To-15 - Sub-Slab Air - Individual Certification Air - Batch Certification Trip Blank VOC 8260 Direct Costs - Expenses Hotel Meals	\$ 90.00 \$ 50.00 \$ 120.00 \$ 67.00	ea ea ea ea ea ea ES ea Unit day LS	5.0 1.0 # Units	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$450.00 \$450.00 \$0.00 \$0.00 \$50.00 \$1,340.00 \$1,340.00 \$0.00 \$0.00 \$1,340.00 \$0.00	\$1,340.0			
Son VOC 8260 dry W QAQC GW VOC 8260 GW VOC 8260 QAQC Air TO-15 - Sub-Slab Air TO-15 - Sub-Slab Air - Individual Certification Air - Individual Certification Air - Batch Certification Trip Blank VOCs 8260 Direct Costs - Expenses Hotel Meak Mas Materials	\$ 90.00 \$ 50.00 Price \$ 120.00 \$ 67.00	ca ca ca ca ca ca ca LS ca Unit day LS LS	5.0 1.0 # Units	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$50,00 \$50,00 \$1,340,00 \$1,340,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00	\$1,340.0			
Soil VOC 8260 dry WQAQC GW VOC 8260 GW VOC 8260 Air TO-15 - Soil Gas Air TO-15 - Soil Gas Air TO-15 - Sub-Slab Air TO-15 - Indoor Air Air - Individual Certification Air - Batch Certification Trip Blank VOCs 8260 Direct Costs - Expenses Hotel Meals Mise Materials Equipment Rental	\$ 90.00 \$ 50.00 Price \$ 120.00 \$ 67.00	ca ca ca ca ca ca ca ca ca ca ca LS ca LS LS LS LS	5.0 1.0 # Units	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$25,00 \$50,00 \$50,00 \$50,00 \$50,00 \$1,340,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00	\$1,340.0			
Soil VOC 8260 dry W QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - Soil Gas Air To-15 - Endoor Air Air - Indoor Air Air - Indoor Air Direct Costs - Expenses Hotel Meals Misc Materials Equipment Rental	\$ 90.00 \$ 50.00 Price \$ 120.00 \$ 67.00	ca ca ca ca ca ca ca ca ca ca ca ca ca LS ca LS LS LS LS LS LS	5.0 5.0 1.0 # Units	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$450.00 \$450.00 \$0.00 \$0.00 \$50.00 \$1,340.00 \$ubtotal \$0.000 \$0.00 \$0.00 \$0.00	\$1,340.0			
Soil VOC 8260 dry WQAQC GW VOC 8260 GW VOC 8260 QAQC Air TO-15 - Soli Gas Air TO-15 - Soli Gas Air TO-15 - Soli Slab Air TO-15 - Indoor Air Air - Batch Certification Trip Blank VOCs 8260 Direct Costs - Expenses Hotel Meta Misc Materials Equipment Rental	\$ 90.00 \$ 50.00 Price \$ 120.00 \$ 67.00 	ca ca ca ca ca ca ca ca ca ca ca ca ca c	5.0 1.0 # Units	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0,00 \$0,00 \$0,00 \$0,00 \$10,00 \$10,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$1,340,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00	\$1,340.6			
Soil VOC 8260 Gry W QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - Soil Gas Air To-15 - Soil Gas Air - Individual Certification Air - Individual Certification Trip Blank VOC 8260 Direct Costs - Expenses Hotel Meals Misc Materials Equipment Rental	\$ 90.00 \$ 50.00 \$ 50.00 \$ 120.00 \$ 67.00 \$ 67.00	ca ca ca ca ca ca ca ca ca ca ca LS ca Unit day LS LS LS LS	5.0 1.0 # Units	1.00 1.00	\$0.00 \$0.00 \$0.00 \$450.00 \$450.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,340.00 \$1,340.00 \$0.0	\$1,340.(
Soil VOC 8260 dry W QAQC GW VOC 8260 GW VOC 8260 GW VOC 8260 QAQC Air To-15 - Soil Gas Air To-15 - Soil Gas Air - Individual Certification Air - Individual Certification Trip Blank VOCs 8260 Direct Costs - Expenses Hotel Meab Masc Materials Equipment Rental	\$ 90.00 \$ 50.00 Price \$ 120.00 \$ 67.00 	en ca ea ca ca ca ca ca ca ca ca ca ca ca ca LS ca LS LS LS	5.0 1.0 # Units	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	\$0.00 \$0.00 \$0.00 \$450.00 \$450.00 \$50.00 \$50.00 \$50.00 \$1,340.00 \$1,340.00 \$	\$1,340.0			

1		Rate		Rate		Rate	#	.	l
	Direct Costs - Chargeable Equipment Expense	(hr/unit)	# Hrs/Units	(day/use)	# days/use	(weeks/use)	weeks/use	Subtotal	1
Vehicles	Support Vehicle - Full Day	\$ 30.00		\$ 180.00	\$ 2.00			\$ -	I
	Mileage at Federal IRS Reimbursement Rate (used only for daily use over 230 miles)	\$ 0.545						s -	1
	Air Velocity Meter (per use) Multi-meter Conductivity/AH/Temp/TDS			\$ 25.00 \$ 165.00				s -	I
	Dissolved Oxygen Meter			\$ 40.00				\$ -	I
	FID Foxboro/Sensidyne (TIP) Flow Calibrator			\$ 155.00 \$ 30.00				s - s -	I
Meters	Methane Meter PID or 580 OVM			\$ 116.00 \$ 120.00				\$ - \$ -	I
	Turbidity Meter			\$ 30.00 \$ 175.00	\$ 2.00			\$ - \$ 350.00	I
	Ozone Leak Detector			\$ 135.00 \$ 230.00				\$ - \$	I
	ORP Meter			\$ 30.00				\$ -	I
	Air Pump - Low Flow (Barcad) Development Pump			\$ 25.00 \$ 130.00				\$ - \$ -	I
	Electric Submersible Pump with Control Box (Units) Low-Flow Sampling Bladder	\$ 12.00		\$ 130.00				\$ - \$ -	I
Pumps	Peristaltic Pump	\$ 100.00		\$ 105.00				\$ - \$	I
	Portable SVE Unit - 1.5 HP	3 100.00		\$ 155.00				s -	I
	Intrinsically Safe Vapor Evacuation Blower Pneumatic Low-Flow Pump - 1" Well			\$ 125.00 \$ 50.00				\$ - \$ -	I
	Pneumatic Low-Flow Sampling Kit w/ Flow Cell and Multimeter Asbestos Sampling Kit			\$ 270.00 \$ 250.00				\$ - \$ -	I
	Asbestos Investigation Supplies	\$ 2.50		\$ 130.00				\$ - \$	I
	Backpack Blower	\$ 10.00		\$ 75.00		\$ 200.00		\$ -	I
	Bailers (Disposable)	\$ 10.00		\$ 15.00				s - \$ -	1
	Core Boxes Core Sampler	\$ 10.00		\$ 55.00				\$ - \$ -	1
	Data Logger with Transducer De-scaler			\$ 155.00 \$ 100.00				\$ -	1
	Well Caps	\$ 30.00		\$ 20.00				\$ - ¢	1
	Metal Detector			3 30.00 \$ 50.00				s - \$ -	1
	Nitrile Sampling Gloves (Disposable) 5035 Sample Kit	\$ 0.13 \$ 16.00						s - s -	1
	P/T Plugs Field Book	\$ 5.00 \$ 11.00						\$ - \$ -	1
	File Don	\$ 18.00						\$ -	I
	Filter - Small Generator	\$ 9.00		\$ 105.00				s - s -	I
	Hand Auger Helium QA/QC Kit			\$ 30.00 \$ 265.00				\$ - \$ -	I
	Helium QA/QC Accessories Oil/Water Interface Probe	\$ 20.00		\$ 105.00				\$ - \$ -	I
	Padlocks	\$ 15.00						\$ -	I
	Passive Diffusion Bag	\$ 35.00						\$ -	I
	Steam Cleaner Transducer (ea)			\$ 130.00 \$ 40.00				\$ - \$ -	I
	Coring Machine Rotary Hammer Drill			\$ 200.00 \$ 170.00				\$ - \$ -	I
	Hand Drill			\$ 75.00				s -	I
	Survey in Equipment			\$ 50.00		\$ 200.00		s -	I
Other	SVE Inlet Air Filter SVE Dilution Air Filter			\$ 80.00 \$ 28.00				\$ - \$ -	I
	SVE Blower Oil (quart) SVE Blower Grease (tube)			\$ 32.00 \$ 20.00				\$ - \$ -	I
	O2 Meter Ozona Air Filter Holder			\$ 50.00 \$ 18.00		\$ 175.00		\$ - \$	I
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 3/8" OD (per foot)	\$ 1.50		3 18.00				s -	I
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 1/4" OD (per foot) Tubing (Bonded) - Polyethylene (Teflon) : 1/16" OD X 1/4" (per foot)	\$ 1.20 \$ 1.25						<u>s</u> -	I
	Tubing (Bonded) - Polyethylene: 1/4" OD X 3/8" OD (per foot) Tubing - Polyethylene: 1/4" OD (per foot)	\$ 1.10 \$ 0.60						\$ - \$ -	I
	Tubing - Polyethylene: 1/2" OD (per foot)	\$ 0.85	5					\$ -	I
	Tubing - Tygon: 3/8" STD (per foot) Tubing - Silicone: 3/8" STD (per foot)	\$ 4.50						\$ -	I
	System Wiring (per foot) PFA Tubing - 1/2-inch ID	\$ 0.60 \$ 5.00						s - \$ -	1
	Manual Drive Point Kit 55-Gallon Drum	\$ 90.00 \$ 55.00	2					\$ - \$ 110.00	1
	550 gal poly tank 325 gal poly tank			\$ 40.00 \$ 30.00				\$ - \$	1
	Temporary Sampling Port	\$ 25.00		\$ 50.00				\$ -	1
	Vapor Pin Sub-Slab Sampling Port	\$ 75.00		\$ 50.00				\$ -	1
	Sub-Slab Cover (Stainless Steel) Well abandonment kit	\$ 40.00 \$ 25.00						\$ - \$ -	1
	Well Cover 8X12" Measuring Wheel	\$ 105.00		\$ 15.00	\$ 1.00			\$ - \$ 15.00	1
	Measuring Wheel or Pole			\$ 15.00	, 1.00			\$ -	1
	Li Tedar Bag	\$ 20.00		\$ 25.00				s -	1
	Radon Sample Kit HAZMAT Exemption Shipper	\$ 30.00 \$ 40.00						s - s -	1
	Manometers Westlaw	\$ 105.00 \$ 105.00						\$ - \$ -	1
	CAD/drafting/graphics	\$ 90.00		6 10.07	¢ 105			\$ -	1
	Barricades & Traffic Signs Fall Protection			\$ 10.00 \$ 25.00	\$ 1.00			\$ 10.00 \$ -	1
Safata	Gloves (Chemical Resistant) Level "B": Level "C1" plus SCBA	\$ 10.00	1	\$ 210.00				\$ 10.00 \$ -	1
Safety	Level "C1": Level "C2" plus Polycoat Suit Level "C2": Level "D" plus Respirator			\$ 85.00 \$ 40.00				\$ - \$ -	1
	Standby SCBA			\$ 130.00	\$ 2.00			\$ -	1
	1 Inch Binder	\$ 9.00		\$ 50.00	ə 2.00			\$ 100.00 \$ -	1
	2 Inch Binder 3 Inch Binder	\$ 12.00 \$ 15.00						\$ - \$ -	1
Production	4 Inch Binder Binder Tabs (Set of 8)	\$ 22.00 \$ 5.00						\$ - \$ -	1
	Color Copies R/W Copies	\$ 0.40	4					\$ 1.60 \$	1
	Document - Format/Sending	\$ 0.25 \$ 15.00						- \$-	1
	Report CD Copy	\$ 5.00						<u>s</u> -	\$ 878.8
<u> </u>	DIIA	SE TOT	AT					_	\$13 258 85

Project Title: Project Number/Name:	OHM - Wauwa 6140	atosa		-	ENVIRO	Fren	sics
Date:	9/17/2018			-			
	Phase 23f I	Project Mana	agement (thro	ough design a	nd one year O&M)		
Labor Field	Price	Unit	# Unite	1		Subtotal	Task Total
Director Technical Services	\$ 175.00	hr	# Units			Subtotal \$0.00	Task Total
Sr Engineer	\$ 155.00	hr	1			\$0.00	
Sr Professional	\$ 155.00	hr				\$0.00	
Project Manager	\$ 130.00	hr				\$0.00	
Project Professional	\$ 130.00	hr				\$0.00	
Staff Professional	\$ 120.00	hr				\$0.00	
Health and Safety Specialist	\$ 130.00	hr				\$0.00	
		hr				\$0.00	
						\$0.00	\$0.00
Labor - Office/Reporting	Price	Unit	# Units		1	Subtotal	Task Total
Director Technical Services	\$ 175.00	hr	4.0			\$700.00	
Sr Engineer	\$ 155.00	hr	12.0			\$1,860.00	
Sr Project Manager	\$ 155.00	hr	24.0			\$3,720.00	
Project Manager	\$ 130.00	hr	38.0			\$4,940.00	
Project Professional	\$ 130.00	hr				\$0.00	
Field Professional	\$ 95.00	hr	1			\$0.00	
Drafting	\$ 85.00	hr				\$0.00	
Admin	\$ 65.00	hr	12.0			\$780.00	
Health and Safety Specialist	\$ 130.00	hr				\$0.00	
		hr				\$0.00	\$12,000,00
						\$12,000.00	\$12,000.00
Contractors/Consultants	Price	Unit	# Units	Markup		Subtotal	Task Total
Utility Locate		LS		1.00		\$0.00	
Driller		LS		1.00		\$0.00	
Surveyor		LS	1	1.00		\$0.00	
Waste Disposal Historical Database Report		LS		1.00		\$0.00	
Remediation		LS		1.00		\$0.00	
	1			1.00		\$0.00	
				1.00		\$0.00	
				1.00		\$0.00	
			1	1.00		\$0.00	\$0.00
Contractor/Consultant - Laboratory	Price	Unit	# Units	Markup		Subtotal	
Soil VOC 8260 dry wt	\$ 83.50	ea	1	1.00		\$0.00	
GW VOC 8260	\$ 70.00	ea		1.00		\$0.00	
GW VOC 8260 OA/OC	\$ 70.00	ea		1.00		\$0.00	
Air TO-15 Soil Gas	\$ 200.00	ea		1.00		\$0.00	
Air TO-15 Sub-Slab	\$ 200.00	ea		1.00		\$0.00	
Air TO-15 Indoor Air	\$ 200.00	ea		1.00		\$0.00	
Air - Individual Certification	\$ 50.00	ea		1.00		\$0.00	
Air - Batch Certification Trin Blank VOCs 8260	\$ 30.00	LS		1.00		\$0.00	
Level IV OA/OC (15%)	3 70.00	ca		1.00		\$0.00	
			•			\$0.00	\$0.00
Direct Costs - Expenses	Price \$ 120.00	Unit	# Units	Markup		Subtotal	
Meals	\$ 67.00	LS	1	1.00		\$0.00	
Misc Materials	÷ 07.00	LS	1	1.00		\$0.00	
Equipment Rental		LS	1	1.00		\$0.00	
						\$0.00	
						\$0.00	
						\$0.00	
			1			\$0.00	
L	I I				1	\$0.00	\$0.00

	Direct Costs Chargeable Fauinment Expense	Rate	# Hrs/Unite	Rate	# days/usa	Rate	# wooks/uso	Subtotal	
	Field Vehicle - Full Day	(m/um) \$ 20.00	# HTS/UIIItS	(uay/use) \$ 130.00	# uays/use	(weeks/use)	weeks/use	Subtotai	
Vehicles	Support Vehicle - Full Day Mileage at Federal IRS Reimbursement Rate (used only for daily use over 230 miles)	\$ 30.00		\$ 180.00				s -	
	Air Velocity Meter (per use)	\$ 0.345		\$ 25.00				s - s -	
	Multi-meter Conductivity/pH/Temp/TDS Dissolved Oxygen Meter			\$ 165.00 \$ 40.00				s - s -	
	FID Foxboro/Sensidyne (TIP)			\$ 155.00				ş -	
Matana	Flow Calibrator Methane Meter			\$ 30.00 \$ 116.00				<u>s</u> -	
wieters	PID or 580 OVM			\$ 120.00 \$ 20.00				s -	
	ppb RAE			\$ 30.00 \$ 175.00				s - s -	
	Ozone Leak Detector Inline Ozone Meter			\$ 135.00 \$ 230.00				s - s -	
	ORP Meter			\$ 30.00				ş -	
	Air Pump - Low Flow (Barcad) Development Pump			\$ 25.00 \$ 130.00				<u>s</u> -	
	Electric Submersible Pump with Control Box (Units)			\$ 130.00				ş -	
	Low-Flow Sampling Bladder Peristaltic Pump	\$ 12.00		\$ 105.00				<u>s</u> -	
Pumps	Pumping Test Accessory Equipment (Flow Meters/Manifolds/Tubing)	\$ 100.00						s -	
	Portable SVE Unit - 1.5 HP Intrinsically Safe Vapor Evacuation Blower			\$ 155.00 \$ 125.00				s - s -	
	Pneumatic Low-Flow Pump - 1" Well			\$ 50.00				s -	
	Asbestos Sampling Kit			\$ 270.00 \$ 250.00				s - s -	
	Asbestos Investigation Supplies	0.000		\$ 130.00				s -	
	Asbestos Sampling Core Backpack Blower	\$ 2.50		\$ 75.00		\$ 200.00	1	s - s -	
	Bailers (Disposable)	\$ 10.00		£ 15.00				s -	
	Core Boxes	\$ 10.00		\$ 15.00				s -	
1	Core Sampler Data Looper with Transducer			\$ 55.00				s -	
	Descaler			\$ 100.00				۰ د ا	
	Well Caps Elec. Well Sounder (Probe)	\$ 30.00		\$ 20.00				s - s	
	Metal Detector			\$ 50.00				s -	
	Nitrile Sampling Gloves (Disposable) 5035 Sampla Kit	\$ 0.13						s -	
	P/T Plugs	\$ 10.00 \$ 5.00						s -	
	Field Book	\$ 11.00						s -	
	Filter - Small	\$ 9.00						ş -	
	Generator Hand Auger			\$ 105.00 \$ 30.00				s -	
	Helium QA/QC Kit			\$ 265.00				ş -	
	Helium QA/QC Accessories Oil/Water Interface Probe	\$ 20.00		\$ 105.00				s -	
	Padlocks	\$ 15.00		3 105.00				ş -	
	PDB Harness Passive Diffusion Bag	\$ 80.00 \$ 35.00						s - s -	
	Steam Cleaner	\$ 55.00		\$ 130.00				ş -	
	Transducer (ea)			\$ 40.00 \$ 200.00				<u>s</u> -	
	Rotary Hammer Drill			\$ 170.00				ş -	
	Hand Drill NAPL Sample Kit			\$ 75.00 \$ 40.00				<u>s</u> -	
	Surveying Equipment			\$ 50.00		\$ 200.00		ş -	
Other	SVE Inlet Air Filter SVE Dilution Air Filter			\$ 80.00 \$ 28.00				S - S -	
	SVE Blower Oil (quart)			\$ 32.00				s -	
	SVE Blower Grease (tube) O2 Meter			\$ 20.00 \$ 50.00		\$ 175.00		S - S -	
	Ozone Air Filter Holder			\$ 18.00				s -	
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 3/8" OD (per toot) Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 1/4" OD (per foot)	\$ 1.50 \$ 1.20						<u>s</u> -	
	Tubing (Bonded) - Polyethylene (Teflon) : 1/16" OD X 1/4" (per foot)	\$ 1.25						s -	
	Tubing (Bonded) - Polyethylene: 1/4" OD X 3/8" OD (per Ioot) Tubing - Polyethylene: 1/4" OD (per foot)	\$ 0.60						s - s -	
	Tubing - Polyethylene: 1/2" OD (per foot)	\$ 0.85						s -	
	Tubing - Tygon: 3/8" STD (per toot) Tubing - Silicone: 3/8" STD (per toot)	\$ 4.43						s - s -	
	System Wiring (per foot) PEA Tubing - 1/2 inch ID	\$ 0.60						s -	
	Manual Drive Point Kit	\$ 90.00						s - s -	
	55-Gallon Drum	\$ 55.00		\$ 40.00				s -	
	325 gal poly tank			\$ 40.00 \$ 30.00				ş - Ş -	
	Temporary Sampling Port	\$ 25.00		\$ 50.00				s -	
	Vapor Pin Sub-Slab Sampling Port	\$ 75.00		ə 50.00				ş -	
	Sub-Slab Cover (Stainless Steel) Wall abandonment Lit	\$ 40.00						s -	
	Well Cover 8X12"	⇒ 23.00 \$ 105.00						s -	
	Measuring Wheel			\$ 15.00				s -	
	Camera			\$ 15.00 \$ 25.00				s -	
	IL Tedlar Bag Padon Samala Kit	\$ 20.00						s -	
	HAZMAT Exemption Shipper	\$ 40.00						s -	
	Manometers Westlaw	\$ 105.00 \$ 105.00						s - s -	
	CAD/drafting/graphics	\$ 90.00						s -	
	Barricades & Traffic Signs Fall Protection			\$ 10.00 \$ 25.00				s - s -	
	Gloves (Chemical Resistant)	\$ 10.00		* 23.00				ş -	
Safety	Level "B": Level "C1" plus SCBA Level "C1": Level "C2" plus Polycoat Suit			\$ 210.00 \$ 85.00	<u> </u>			s - s -	
	Level "C2": Level "D" plus Respirator			\$ 40.00				s -	
	Standby SCBA Routine Field and Safety Equipment			\$ 130.00				s - s	
	I Inch Binder	\$ 9.00		\$ 50.00				s -	
	2 Inch Binder 3 Inch Binder	\$ 12.00						s -	
	4 Inch Binder	\$ 15.00 \$ 22.00						s - S -	
Production	Binder Tabs (Set of 8)	\$ 5.00	10					S -	
1	B/W Copies	\$ 0.40 \$ 0.25	48					s 4.80 \$ 12.00	
1	Document - Format/Sending	\$ 15.00						s -	1
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	PHAS	Е ТОТА	L						\$12.01