Appendix E

# Risk Management Plan

# Revised Risk Management Plan

**Former Velcon Filters, Inc. Facility**
1759 & 1761 Junction Avenue
1750 Rogers Avenue
San Jose, California

Prepared by:

**TRC**
2300 Clayton Road, Suite 610
Concord, California

May 1, 2020

# Revised Risk Management Plan

**Former Velcon Filters, Inc. Facility**
1759 & 1761 Junction Avenue
1750 Rogers Avenue
San Jose, California

163227.0000

May 1, 2020

Prepared by


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Project Manager

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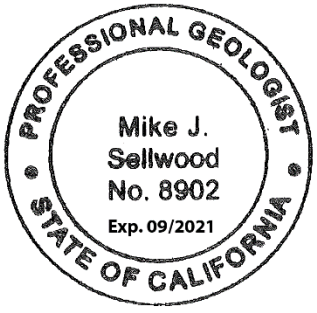

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## 1.0 INTRODUCTION

TRC Solutions, Inc. (TRC) has prepared this *Revised Risk Management Plan* (RMP) for the former Velcon Filters, Inc. (Velcon) site located at 1759 and 1761 Junction Avenue, and 1750 Rogers Avenue in San Jose, California (Figure 1). The site is regulated by the Final Site Cleanup Requirements issued by the Regional Water Quality Control Board (Regional Board) in Order No. 01-108 (Order). The Regional Board issued the Order to Velcon Filters, Inc., Triad Tool & Engineering, Inc., Soil Tech Engineering, and Lucien and Jean Taylor. Currently, TRC, on behalf of Velcon, is responsible for ongoing monitoring of groundwater, soil vapor, and indoor air at the site with oversight by the Regional Board.

The purpose of the RMP is to summarize known environmental conditions at the site and provide guidelines for the proper management of soil, soil vapor, and groundwater that may be encountered during any utility work, remodeling, or redevelopment activities. In addition, periodic indoor air monitoring is included in this RMP to assess potential vapor intrusion risks and ensure that the slab at 1750 Rogers Avenue continues to provide adequate attenuation of sub-slab soil vapors impacted with site Constituents of Concern (COCs).

Current and future owners, managers, or contractors delegated or authorized to perform construction at the site are required to comply with the risk management measures identified in this RMP when engaging in the relevant activities discussed herein. Contact information and the media of concern for each parcel is provided in the table below:

| **Address** | **APN** | **Owner Contact Information** | **Media of Concern** |
|---|---|---|---|
| 1759 Junction Avenue and 1750 Rogers Avenue | 237-09-129 | Granite Expo (GE San Jose)<br>1750 Rogers Avenue<br>San Jose, CA 95112<br>Phone: (510) 652-8882 | Soil, groundwater, soil vapor |
| 1750 Rogers Avenue | 237-09-130 | Granite Expo (GE San Jose)<br>1750 Rogers Avenue<br>San Jose, CA 95112<br>Phone: (510) 652-8882 | Soil, groundwater, soil vapor |
| 1761 Junction Avenue | 237-09-145 | Frank and Rosemary Hamedi-Fard<br>131 Old Tully Road<br>San Jose, CA 95111<br>Phone: (408) 297-1500 | Soil, groundwater |

Covenants and Environmental Restrictions have been recorded for the following parcels: 1761 Junction Avenue; and 1759 Junction Avenue/1750 Rogers Avenue. These Covenants were required by the Regional Board. Copies of the Covenants are provided in Appendix A and the areas covered by the Covenants are depicted on Figure 2. These Covenants contain requirements for future development and restrictions on future use, which are important to understand and successfully implement the RMP. The Covenants for 1750 Rogers Avenue/1759 Junction Avenue (APNs 23709129 and 23709130) will be amended to include reference of this RMP in Article III, Section 3.1.g.

The actions required in this RMP are consistent with Article III, Section 3.1.g.of the Covenants, which states “[a]ll uses and development of the Burdened Property shall be consistent with any

applicable Regional Board Order or Risk Management Plan. All uses and development shall preserve the integrity of any cap, and remedial measures taken or remedial equipment installed, and any groundwater monitoring system installed… unless otherwise expressly authorized in writing by the Board…"

## 2.0 BACKGROUND

### 2.1 Site Description

The site consists of three adjoining parcels/properties (1759 & 1761 Junction Avenue, and 1750 Rogers Avenue) that span approximately 4.5 acres of relatively flat topography at an elevation of approximately 45 feet above mean sea level (Figures 2 and 3). Land use in the site's vicinity is generally light-to-heavy industrial and is zoned as Heavy Industrial pursuant to the City of San Jose's land use master plan. The site was developed in the 1960s for manufacturing and testing of fuel filters for aircrafts. The Assessor's Parcel Numbers (APNs) for the parcels at the site are 237-09-129 (1759 Junction Ave and 1750 Rogers Avenue), 237-09-145 (1761 Junction Avenue), and 237-09-130 (1750 Rogers Avenue).

Soil and groundwater at the site have been impacted by jet fuel and chlorinated solvents, primarily trichloroethene (TCE) and its breakdown products cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene, (trans-1,2-DCE), and vinyl chloride (VC). Pursuant to Order 01-108, cleanup activities have significantly reduced concentrations of site COCs, but residual impacts remain in soil, soil vapor, and groundwater.

### 2.2 Site Use and Property History

Triad Tool and Engineering, Inc., and their associated affiliate Phoenix Technical Products, acquired both the 1750 Rogers Avenue property (APN 237-09-129) and the adjoining 1759 Junction Avenue property (APN 237-09-130) from Velcon in 1993. For the purposes of this RMP, Triad Tool and Engineering, Inc. and Phoenix Technical Products, Inc. are collectively referred to as "Triad." Prior to the sale, Velcon operated an airplane fuel filter manufacturing facility at the 1750 Rogers Avenue property. After acquiring the property, Triad operated a machining, die casting, and specialty painting facility at the 1750 Rogers address until early 2020 when the property and facilities (including the adjoining parcel at 1759 Junction Avenue) were sold to Granite Expo (GE San Jose). GE San Jose intends to re-model the existing facilities and operate a home improvement distribution warehouse and design showroom at the 1750 Rogers location.

The 1759 Junction Avenue property (APN 237-09-129) that was included in the sale to GE San Jose, has historically been leased to other business operations, including most recently to Blackwell General Engineering, which used the lot for equipment and materials storage. GE San Jose plans to use the 1759 Junction Avenue property as a paved parking lot for the warehouse and showroom at 1750 Rogers Avenue.

The 1761 Junction Avenue property (APN 237-09-145) was used by Velcon for laboratory testing purposes prior to being sold to the current owner in 1996. The facility at 1761 Junction Avenue currently is leased to at least two different tenants who occupy the building and the outdoor operational yard area.

## 2.3 Previous Investigations and Remedial Actions

The first detections of impacted soil and groundwater at the site pertained to releases of Total Petroleum Hydrocarbons as Jet Fuel (TPH-j). The first documented release at the site occurred in 1975 or 1976, when a spill of 7,000 gallons of TPH-j reached Coyote Creek. Approximately, 1,500 gallons were recovered under the direction of the United States Coast Guard and Department of Fish and Game. A second spill occurred in 1976 involving a loss of 4,000 gallons of TPH-j; however, no fuel was recovered. Several smaller spills ranging from 2 to 30 gallons occurred at the site starting in 1974 until a high-level shut-off switch was installed in each Underground Storage Tank (UST) at the site (On-site Technologies, 1989). In August of 1988, floating product consisting of jet fuel was observed in groundwater during maintenance activities of the USTs located at 1761 Junction Avenue. Since the lower half of the USTs were submerged in groundwater, the releases were likely directly into shallow groundwater. Five (5) 10,000-gallon and one (1) 6,000-gallon USTs filled with jet fuel were removed from the 1761 Junction Avenue property in 1994, along with one (1) 500-gallon wastewater sump. In addition, two (2) aboveground jet fuel/kerosene storage tanks, one (1) resin tank, one (1) vapor degreaser, and associated aboveground piping were removed from the 1750 Rogers Avenue property in 1993. Site plans depicting historical sampling locations are provided in Appendix B. Figure B1 presents the locations of the former tanks, chemical storage areas, vapor degreasers, and chemical pipelines.

No specific spill/release information has been reported for chlorinated solvents at the site. The source of impacts from chlorinated solvents to soil and groundwater at the 1750 Rogers Avenue property appears to have been the vapor degreaser and possibly chemical storage areas. The source of soil impacts at the 1759 Junction Avenue property is unknown.

Since 1988, various investigations have been completed to evaluate soil, soil vapor, and groundwater impacts at the site. Figures B2 through B5 in Appendix B depict the historical soil and soil vapor sampling locations, and groundwater monitoring wells, extraction wells, and injection wells. Historical data tables are provided in Appendix C. Tables C1 through C4 provide historic site analytical data for soil vapor, sub-slab vapor, indoor air, and soil. The most recent groundwater monitoring data at the time of the submittal of this RMP is provided in Tables C5a and C5b. Current groundwater monitoring reports are available online at the GeoTracker website (geotracker.waterboards.ca.gov), the Regional Board's online data management system.

Remedial activities to date have included the following:

- Removal of above and underground storage tanks between 1993 and 1994 and excavation of approximately 800 cubic feet of impacted pea gravel and soil;
- Extraction and treatment of approximately 172 million gallons of groundwater between 1995 and 2013;
- Dual-phase soil vapor and groundwater extraction completed as a pilot study in 2002;
- Ozone injection pilot study in 2002; and
- Enhanced in-situ bioremediation injections from 2009 through 2016.

## 2.4 Current Extent of Site Impacts

Remedial measures, as described in Section 2.3, have significantly reduced concentrations of site COCs (TCE, cis-1,2-DCE, trans-1,2-DCE, VC and jet fuel).

Site cleanup standards are described in the Order and include:

- Groundwater - California Maximum Contaminant Levels (MCLs) for groundwater:
  - TCE: 5 micrograms per liter (µg/L)
  - Cis-1,2-DCE: 6 µg/L
  - Trans-1,2-DCE: 10 µg/L
  - VC: 0.5 µg/L

- Soil at 1759 Junction Avenue:
  - 1.5 milligrams per kilogram (mg/kg) of TCE

- Soil at 1750 Rogers Avenue[1]:
  - 14.4 mg/kg of TCE in soil at 1750 Rogers Avenue with the existing building in place
  - 1.5 mg/kg of TCE in soil if the existing building is removed

- Soil 1761 Junction Avenue:
  - 1,000 mg/kg of jet fuel in shallow soil (<3 fbg)
  - 3,000 mg/kg of jet fuel in deep soil (>3 fbg )

A summary of residual impacts on each parcel is provided below. Figures showing historical boring locations and historical site analytical data are provided in Appendices B and C, respectively.

1759 Junction Avenue (APN 23709129)

- Soil: Concentrations of TCE averaged 2.37 mg/kg, above the site-specific cleanup standard of 1.5 mg/kg (TRC, 2016).

- Soil Vapor: A limited soil vapor investigation was conducted in 2010 adjacent to EW-1. TCE was detected between 24,000 and 210,000 micrograms per cubic meter (µg/$m^3$), which exceeded the commercial/industrial Environmental Screening Level (ESL) of 100 µg/$m^3$ (TRC, 2015). Currently, there are no structures on 1759 Junction and therefore vapor intrusion is not a complete exposure pathway, but it should be considered for future development.

- Groundwater: Concentrations of TCE, cis-1,2-DCE, trans-1,2-DCE, and VC exceeded their corresponding MCLs during the most recent groundwater monitoring event conducted in August 2019 (TRC, Pending 2020).

1761 Junction Avenue (APN 23709145)

[1] If the existing building at 1750 Rogers Avenue is removed, and if the cleanup standards specified in the Order cannot be met, or if engineering controls could be used to prevent leaching of COCs into underlying groundwater, the owner/developer may, in accordance with the Order, negotiate alternative site-specific cleanup standards. Conversely, and in accordance with the Order, if new technical information indicates that cleanup standards can be surpassed, the Board may decide that further cleanup actions should be taken.

- Soil: Concentrations of COCs in soil samples collected from less than 10 fbg have not exceeded the site-specific cleanup standards for unpaved surfaces (TRC, 2015).

- Soil Vapor: The most recent soil vapor sampling, conducted in August 2014 from five soil vapor wells at 1761 Junction, indicated that concentrations of COCs in soil vapor were below commercial/industrial ESLs (TRC, 2015), with the exception of vinyl chloride.

- Sub-Slab Vapor: Concentrations of TCE exceeded the sub-slab soil vapor ESLs for commercial/industrial use at two locations during an investigation conducted within the 1761 Junction Avenue structure in April 2012. The associated indoor air samples were below ESLs during the April 2012 investigation (TRC, 2012).

- Groundwater: Concentrations of trans-1,2-DCE, and VC exceeded their corresponding MCLs during the most recent groundwater monitoring event in August 2019 (TRC, Pending 2020).

1750 Rogers Avenue (APNs 23709129 and 23709130)

Soil: The concentration of TCE in soil at 1750 Rogers Avenue has not been detected above the site-specific cleanup standard (14.4 mg/kg) in samples collected from the unsaturated zone during previous investigations (TRC, 2015).

- Soil Vapor: During the most recent soil vapor monitoring event in August 2014, concentrations of TCE, cis-1,2-DCE, and VC exceeded the commercial/industrial ESLs at soil vapor monitoring well SV-4 installed to a depth of 5 fbg. Sub-slab and indoor air investigations were performed in 2017 to further evaluate vapor-intrusion risk at 1750 Rogers Avenue, as discussed below.

- Sub-Slab Vapor: Sub-slab and indoor air investigations were performed within Buildings A and B in July, October, and December 2017. Samples collected from six sub-slab locations exceeded the commercial/industrial ESL for TCE in soil vapor (TRC, 2018), however, associated indoor air samples were below the ESLs for site COCs during the same July, October, and December 2017 monitoring events, with one exception: one sample in July 2017 exceeded the ESL for indoor air for TCE, but further site inspection later connected the exceedance to the nearby presence of a product containing TCE (TRC, 2018). Once the product was removed, subsequent indoor air samples were below the ESL.

- Groundwater: Concentrations of TCE, cis-1,2-DCE, trans-1,2-DCE, and VC exceeded MCLs during the most recent groundwater monitoring event conducted in August 2019 (TRC, Pending 2020).

## 2.5 Potential Human Health Risks

Previous investigations identified TCE, TCE breakdown products (cis-1,2- DCE, trans-1,2-DCE, VC) and TPH-j as the primary COCs in soil, soil vapor, and groundwater associated with the site. Risk management measures are described in the following sections for the protection of workers under current and potential future land use scenarios and to provide protocols for handling and disposal of any impacted soil or groundwater encountered at the site. In addition, protocols are

included for monitoring indoor air in the structure at 1750 Rogers Avenue due to elevated concentrations of COCs in sub-slab soil vapor. If future site uses are significantly different, site conditions may be re-evaluated to determine the need for additional risk-based cleanup actions or engineering controls for the protection of human health and the environment. See Section 3.7 regarding 5-Year Site Use Reviews.

## 3.0 RISK MANAGEMENT PLAN

The objective of this RMP is to provide guidelines for the management of soil, soil vapor, and groundwater at the site which is known to have been historically impacted in certain locations with TCE, TCE breakdown products, and TPH-j. This RMP is applicable to site activities that may result in contact with contaminated soil, soil vapor, indoor air and/or groundwater during any utility work, remodeling, or redevelopment activities. In addition, periodic indoor air monitoring is described in this RMP to assess potential vapor intrusion risks and ensure that the slab at 1750 Rogers Avenue continues to provide adequate attenuation of sub-slab soil vapor impacted with site COCs. Specific elements of the RMP, along with the entities responsible for implementation are described below.

### 3.1 Construction Safety Measures (1750 Rogers Avenue, 1759 and 1761 Junction Avenue)

Prior to initiating any utility work, remodeling, or redevelopment activities, the relevant property owner will provide all contractors with a copy of this RMP notifying them of the environmental conditions at the site. Contractors are responsible for the health and safety of their workers, including, but not limited to, preparation of their own site-specific Health and Safety Plan (HASP) and/or Injury and Illness Prevention Plan (IIPP). The HASP should outline the scope of work for any earthwork activities and measures to protect workers from any exposure pathways related to residual soil, soil vapor, and groundwater below 1759 and 1761 Junction Avenue and 1750 Rogers Avenue.

To reduce potential exposure to contaminants, workers should:

1. Minimize contact with impacted soil and groundwater, and, when appropriate, wear chemical-resistant gloves and other protective clothing.
2. Thoroughly wash/decontaminate hands and other body parts, as necessary, upon leaving the Construction Management Area (CMA) and before eating, drinking, or other activities.
3. Decontaminate equipment and tools used to remove impacted soil and groundwater.
4. Remain upwind of the CMA to the maximum extent practicable to minimize exposure to soil vapors (and activities that release vapors should be minimized).
5. Conduct personal and perimeter air monitoring, as needed, to characterize airborne contaminant levels.
6. Implement dust control mitigation measures during construction activities at the site to minimize the generation of dust. For example, mitigation measures may include wetting of the disturbed soil.

At a minimum, the HASP should provide guidelines for air monitoring for VOCs and Level D personal protective equipment (PPE): hard hat, safety boots, eye, and hand protection. Respiratory protection should also be available to all workers performing earthwork or utility work in the area.

### 3.2 Soil Management (1750 Rogers Avenue, 1759 and 1761 Junction Avenue)

As described in Section 2.4, residual soil impacts, including TPH-j, TCE, and TCE breakdown products, may remain in soil at 1750 Rogers Avenue, and 1759 and 1761 Junction Avenue.

Current and future owners, managers, or contractors delegated or authorized to perform excavation or removal of impacted soil at the site should follow the protocols listed below.

1. Excavation/removal of impacted soil should be completed under the direction of a HASP, as described above, including use of appropriately trained personnel, designated CMAs, decontamination procedures, etc.
2. Prior to initiating removal of impacted soil, or prior to offsite transport of contaminated soil, contractors and/or authorized delegates should determine disposal/treatment options. If a lined landfill is the selected disposal option, authorization should be obtained from the landfill prior to transport/disposal (which will include submittal of a Waste Profile Sheet to the landfill describing the nature and estimated quantity of impacted soil).
3. Depending on project objectives and the quantity of excavated/removed impacted soil, collection and analysis of soil samples for primary constituents may be appropriate to: (1) facilitate disposal/treatment decision making, (2) determine the reasonable extent of excavation, and (3) further evaluate health and safety issues, or other applicable objectives[2]. In order to facilitate completion of excavation project schedules, analysis of soil samples for TCE and related breakdown products on an accelerated turnaround schedule may be appropriate.
4. Temporary onsite storage and/or transport for disposal and/or treatment should be covered with continuous heavy-duty plastic sheeting or other covering to minimize emission of organic compounds to the atmosphere.
5. Appropriate impacted soil handling/storage/disposal-treatment documentation (e.g., trucking and landfill manifests, storage permits, etc.) should be maintained in a project file for potential submittal to local, state, and/or federal agencies.
6. Air monitoring should be utilized to verify the presence or absence of a hazardous gas/vapor atmosphere whenever a situation or condition arises that could reasonably result in a hazardous atmosphere. Air sampling should be conducted in accordance with NIOSH, OSHA, or EPA methods.
7. Abandonment of borings and/or monitoring wells resulting in generation of impacted soils should be completed in compliance with applicable local, state, and federal regulation and guidance (e.g., backfilling of completed borings with neat cement to prevent contamination of subsurface soil and/or groundwater from surface sources, etc.).
8. Decontamination procedures should be performed on all personnel and equipment that are exposed to impacted soils.
9. Any soil generated from any earthwork activities should be sampled and analyzed for site COCs prior to re-use onsite. Fill material selected for import shall be verified to be below applicable screening levels for all pollutants or contaminants by the import material supplier.

[2] See Section 2.4 for cleanup standards set by the Order.

Completion of the above-described activities may require the expertise of an environmental consultant, particularly if collection and analysis of soil samples are required.

Furthermore, in the event of demolition of the building at 1750 Rogers Avenue, TRC, on behalf of Velcon, is committed to the remediation of onsite soil to 1.5 mg/kg of TCE on 1750 Rogers Avenue, as required by the Order. In the *Focused Feasibility Study for 1750 Rogers Avenue* (TRC, 2020), post-demolition soil excavation was determined to have the highest level of implementability and to be the most cost-effective remedial alternative for maintaining the overall protection of human health and the environment and reducing contaminant mass.

### 3.3 Groundwater Management (1750 Rogers Avenue, 1759 and 1761, Junction Avenue)

Groundwater impacted with site COCs that exceed MCLs may be encountered at 1750 Rogers, 1759 Junction Avenue, and 1761 Junction Avenue. Any current and future owners or contractors delegated or authorized to perform earthwork that intersects groundwater at these properties should follow the protocols listed below.

1. Removal of impacted groundwater should be completed under the direction of a HASP, as described above, including use of appropriately trained personnel, designated CMAs, decontamination procedures, etc.
2. Depending on project objectives, the volume of removed impacted groundwater, and the potential disposal options, collection and analysis of groundwater samples for the site COCs may be appropriate. A groundwater profile can facilitate disposal/treatment decision making, evaluation of health and safety issues, or other applicable objectives[3]. To facilitate completion of excavation project schedules, analysis of groundwater samples for TCE and breakdown products on an accelerated turnaround schedule may be appropriate.
3. Prior to removal of impacted groundwater, or prior to offsite transport of impacted groundwater, contractors and/or authorized delegates should determine disposal or treatment options. If onsite storage and treatment is an option, disposal of treated groundwater should be determined prior to beginning onsite treatment. Disposal options for treated groundwater include the following: (1) Regional Board-approved discharge of treated water to land surface and/or surface water bodies, (2) offsite disposal of treated water at appropriate disposal facilities, and (3) discharge of treated water in local and/or regional sanitary and/or storm sewer disposal facilities, etc. Disposal of treated groundwater will likely require profiling, as directed by disposal facility/authority. If project managers determine that removed impacted groundwater will be transported and/or disposed without treatment, disposal options may include those options listed in this section.
4. As noted above in Items 2 and 3, impacted groundwater removal, temporary onsite storage and/or transport for disposal and/or treatment should be completed in a manner that prevents human and environmental exposure to primary constituents of concern.
5. Discharge to the sanitary sewer or storm sewer should be performed under an approved permit from the local sanitary district or Regional Board. If required, water must be treated prior to discharge. Any groundwater obtained from an excavation and used for dust control for earthwork activities should be analyzed for VOCs and compared to the ESLs for fresh surface waters. If the concentrations exceed these ESLs, then Regional Board staff should be consulted.

[3] See Section 2.4 for cleanup standards set by the Order.

6. Appropriate impacted groundwater handling/storage/disposal-treatment documentation (e.g., trucking and disposal/treatment facility manifests, storage permits, etc.) should be maintained in a project file for potential submittal to local, state, and/or federal agencies.
7. Air monitoring should be utilized to verify the presence or absence of a hazardous gas/vapor atmosphere whenever a situation or condition arises that could reasonably result in a hazardous atmosphere. Air sampling should be conducted in accordance with NIOSH, OSHA, or EPA methods.
8. Abandonment of borings and/or monitoring wells resulting in generation of impacted groundwater should be completed in compliance with applicable local, state, and federal regulation and guidance (e.g., backfilling of completed borings with neat cement to prevent contamination of subsurface soil and/or groundwater from surface sources, etc.). The Santa Clara Valley Water District (SCVWD) oversees the destruction of borings and monitoring wells, and abandonment should be completed using SCVWD's published guidance.
9. Decontamination procedures should be performed on all personnel and equipment that are exposed to impacted groundwater.

Completion of the above-described activities may require the expertise of an environmental consultant, particularly if collection and analysis of groundwater samples and/or construction and implementation/management of onsite treatment systems, etc. are required.

### 3.4 Ambient Air Monitoring (1750 Rogers Avenue, 1759 and 1761 Junction Avenue)

Since soil vapor, groundwater, and/or soil impacted with TCE, and/or related breakdown products may be present at 1750 Rogers Avenue, 1759 Junction, and 1761 Junction Avenue, workers' airspace should be monitored with a photo-ionization detector (PID) or flame ionization detector (FID) by the property owner or contractor, if any earthwork, foundation work, or utility work takes place. Respiratory protection must be available for all workers onsite and a minimum of Level D personal protective equipment should be used.

### 3.5 Indoor Air Monitoring (1750 Rogers Avenue)

Due to potential residual soil vapor impacts below the building at 1750 Rogers Avenue, annual vapor intrusion monitoring is performed by TRC per the *Vapor Intrusion Monitoring and Maintenance Plan* (VIMMP), provided in Appendix D. The Regional Board may also require additional indoor air monitoring after any substantial foundation work or modifications have occurred, as described in the VIMMP.

### 3.6 Annual Inspections (1750 Rogers Avenue and 1759 Junction Avenue)

The building foundations at 1750 Rogers Avenue currently act as a cap covering soil and soil vapor that may contain residual concentrations of site COCs, including TCE and related breakdown products. Any penetrations of the concrete slab should be avoided to prevent the migration of soil vapor into indoor air. If the concrete slab is disturbed, any penetrations must be properly sealed according to current standards. In addition, as noted above, residual soil impacts exceeding the TCE standard of 1.5 mg/kg may exist on 1759 Junction Avenue. As a result, soil shall be managed according to the protocols outlined in Section 3.2.

Inspections of the concrete foundation at 1750 Rogers Avenue and surface conditions at 1759 and 1761 Junction Avenue will be conducted annually by the property owner(s) or an agent designated by the property owner(s) to: (1) assess the condition of the concrete foundation at 1750 Rogers Avenue, (2) document any changes in the foundation integrity at 1750 Rogers Avenue, (3) verify that no significant disturbance of surface conditions has occurred at 1759 and 1761 Junction Avenue, and (4) verify that the properties are in compliance with the provisions listed in the Covenant. An inspection form is provided in Appendix E. Inspection forms will be kept on-site or at property owner's administrative office in a binder and can be made available for review upon request.

### 3.7 Five-Year Site Use Reviews

Site use reviews will be conducted every five (5) years by TRC, or an authorized delegate, and will include 1750 Rogers Avenue, 1759 Junction Avenue, and 1761 Junction Avenue, as well as offsite, downgradient properties 1765-1767 Junction Avenue, 1771 Junction Avenue, and 1775 Junction Avenue. Five-Year reviews will: (1) assess the current use of the properties (industrial, commercial, etc.), and (2) determine if any changes to the structural configuration of the buildings has occurred. The results of the Five-Year Site Use Reviews will be submitted to the Regional Board for further consideration.

### 3.8 Record Keeping

The following records should be maintained by the by the property owner and/or the responsible contractor associated with exposure issues:

1. Site-specific HASP documentation, including the signed HASP.
2. Applicable daily field log reports.
3. Disposal/treatment documentation.
4. Permits, approvals, etc.
5. Site maps and documentation describing location(s) of removed/encountered contaminants.
6. Copies of sample chain-of-custody documentation and analytical laboratory reports and Quality Assurance/Quality Control (QA/QC) documentation.
7. Summary reports describing encountered/removed contaminants.

### 3.9 Compliance with Covenants and Environmental Restrictions

In accordance with the Covenant and Environmental Restriction on Property documents provided in Appendix A, the site owners and operators shall meet the following site restrictions:

1. No owner or occupant shall construct or use a well for the purpose of extracting water for any use unless expressly authorized in writing by the Regional Board.
2. Any contaminated soils or groundwater brought to the surface by grading or excavation shall be managed in accordance with applicable laws.
3. No residences for human habitation shall be allowed.
4. Site development shall be restricted to industrial, commercial, or office space.

5. Future uses and development shall preserve the integrity of any cap, any remedial measures, and any ground monitoring system.
6. All uses and development of the site shall be consistent with the applicable Regional Board Order or Risk Management Plan.

Any contamination exceeding applicable screening criteria shall be reported to the Regional Board.

Property owners must complete the Property Owner Agreement Form included as Appendix F, acknowledging the roles and responsibilities outlined in this RMP and in the existing Covenants and Environmental Restrictions for this site.

## 4.0 REFERENCES

The following references were used to develop this RMP and are available on GeoTracker website (geotracker.waterboards.ca.gov), the Regional Board's online data management system.

On-site Technologies, Inc., 1989. Report of Hydrogeologic site Investigation, Velcon Filters, Inc., San Jose, California. June 20.

TRC, 2012. Sub-Slab Soil Vapor and Indoor Air Monitoring Report, Former Velcon Filters, 1761 Junction Avenue, San Jose, California. May 24.

TRC, 2015. Closure Request Report, Former Velcon Filters, San Jose, California. June 16.

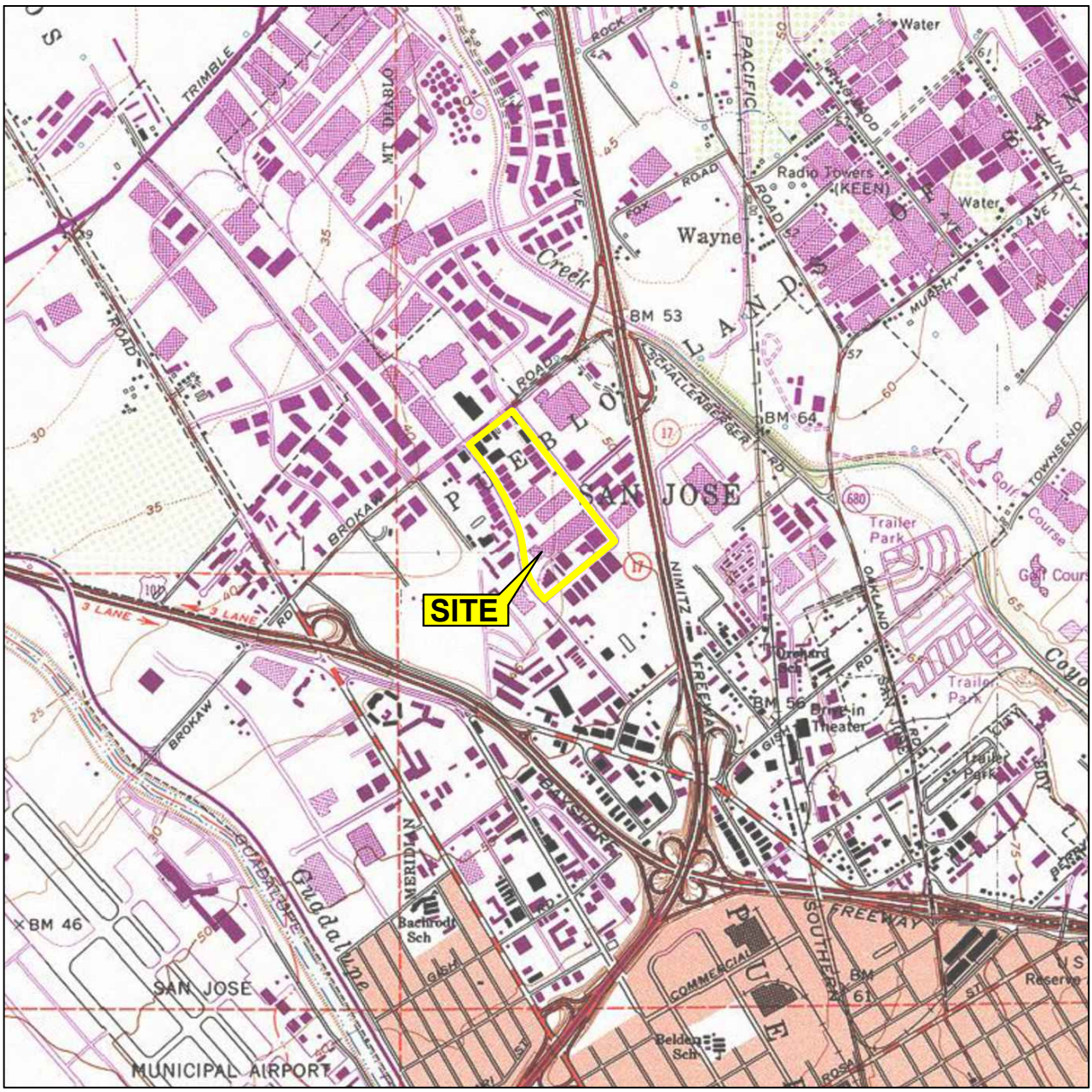
TRC, 2016. Soil Investigation Report, Former Velcon Filters, San Jose, California. September 16.

TRC, 2018. Sub-slab Vapor and Indoor Air Evaluation Report, Former Velcon Filters, Inc., San Jose, California. February 2.

TRC, 2020. Focused Feasibility Study 1750 Rogers Avenue, Former Velcon Filters, Inc., San Jose, California. April 3.

TRC, Pending 2020. Semi-Annual Self-Monitoring Report (Second Half 2019), Former Velcon Filters, San Jose, California, Pending.

**FIGURES**




SOURCE:

United States Geological Survey
7.5 Minute Topographic Maps:
San Jose West and Milpitas Quadrangles
California


**VICINITY MAP**

Former Velcon Filters, Inc. Facility
1761 Junction Avenue
San Jose, California

TRC | 163227 | **FIGURE 1**

FILE NAME: Z:\Shared\CAD_DRAW\Current\Velcon\Risk Mgmt Plan_REV APRIL19\Fig1_Vicinity Map.dwg | Layout Tab: 8x11


## LEGEND

- 1759 — Approximate parcel boundary with street address number
- Land-use covenant for parcel 237-09-145
- Land-use covenant for parcels 237-09-129 and 237-09-130

N

SCALE (FEET)

0 150 300

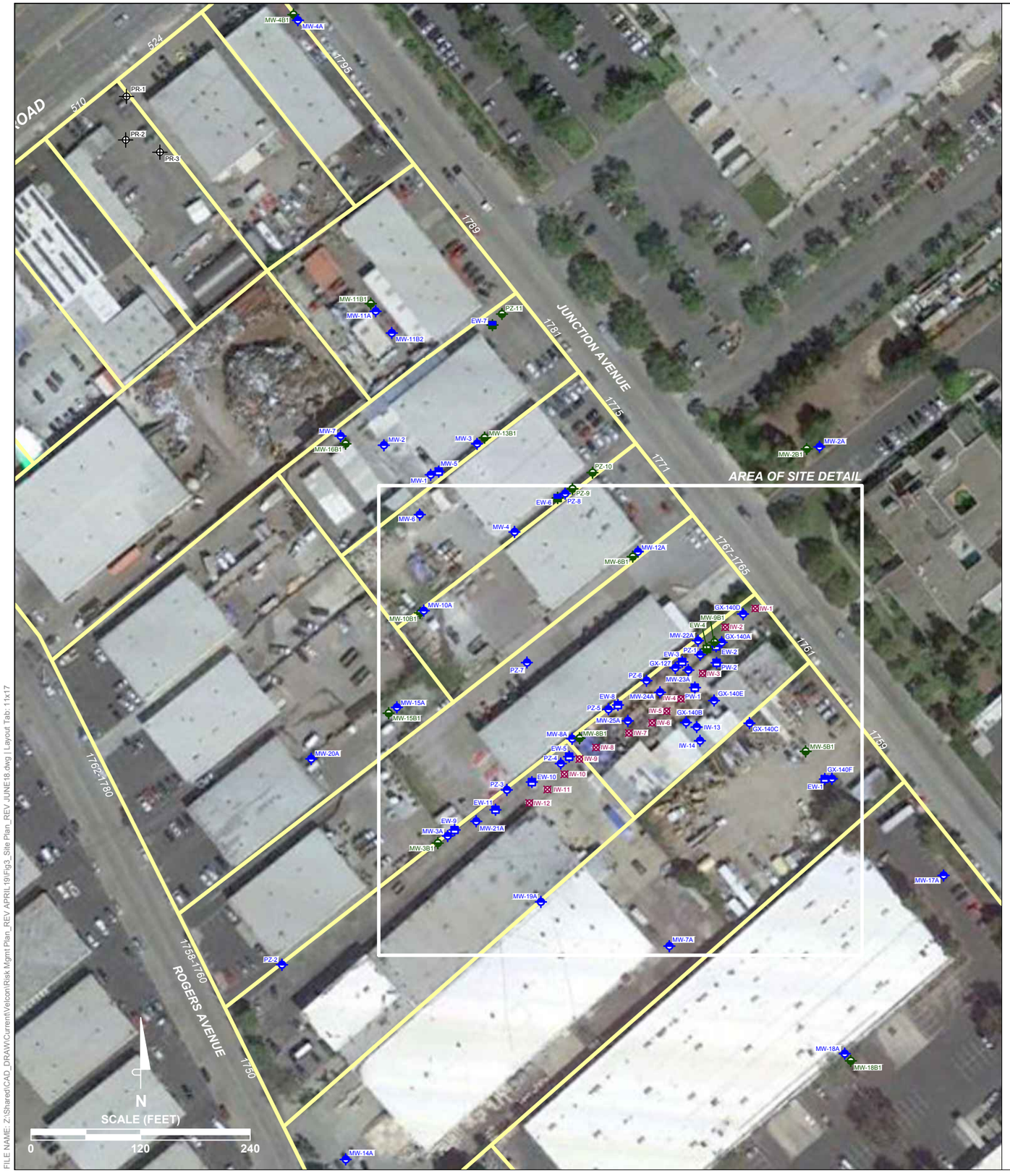
*SOURCES:*
*AERIAL PHOTO: Google Earth, April 2016.*
*SITE PARCEL BOUNDARIES: Site plan by Crawford Consulting, December 2008. Well locations verified per July 2009 and April 2011 surveys by Morrow Surveying, West Sacramento, California.*

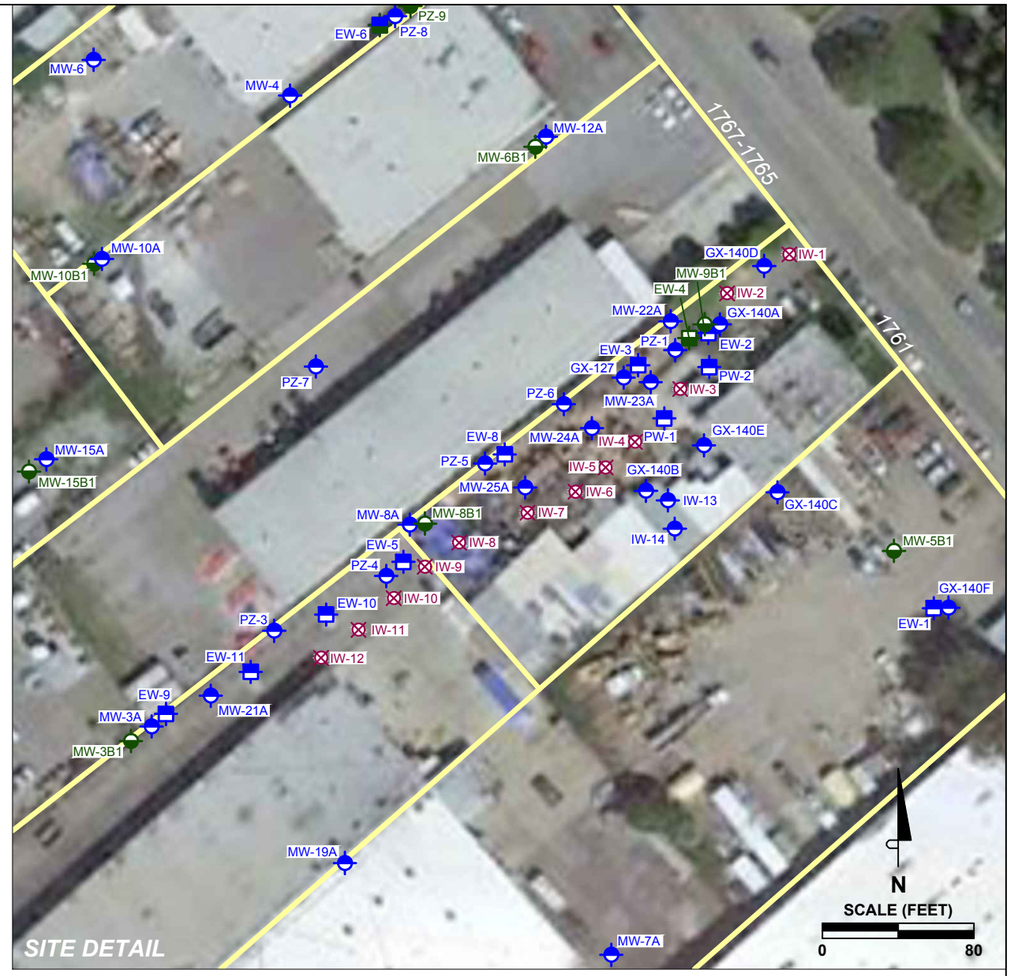
**PARCEL MAP AND AREAS COVERED BY LAND-USE COVENANTS**

Former Velcon Filters, Inc. Facility
1761 Junction Avenue
San Jose, California

TRC | 163227 | **FIGURE 2**

FILE NAME: Z:\Shared\CAD_DRAW\Current\Velcon\Risk Mgmt Plan_REV APRIL'19\Fig2_Parcel Map_Land Use Covenants.dwg | Layout Tab: 11x17




## LEGEND

- 1759 — Approximate parcel boundary with street address number
- Monitoring well or piezometer, A-level aquifer
- Extraction well, A-level aquifer
- Monitoring well or piezometer B-level aquifer
- Extraction well, B-level aquifer
- Extraction well A- and B1-level aquifers
- Monitoring well Undetermined aquifer
- Injection well

*SOURCES:*
*SITE PARCEL BOUNDARIES: Site plan by Crawford Consulting, December 2008. Well locations verified per July 2009 and April 2011 surveys by Morrow Surveying, West Sacramento, California. AERIAL PHOTO: Google Earth, April 2016.*

**SITE PLAN**

Former Velcon Filters, Inc. Facility
1761 Junction Avenue
San Jose, California

TRC | 163227 | **FIGURE 3**

FILE NAME: Z:\Shared\CAD_DRAW\Current\Velcon\Risk Mgmt Plan_REV APRIL'19\Fig3_Site Plan_REV JUNE18.dwg | Layout Tab: 11x17

# APPENDIX A

# COVENANT AND ENVIRONMENTAL RESTRICTIONS ON PROPERTY

RECORDING REQUESTED BY

NAME: Frank Hamedi-Fard

**WHEN RECORDED MAIL TO:**

NAME: California Regional Quality Control Board
San Francisco Bay Region, Attn: Executive Officer

ADDRESS: 1515 Clay Street, Suite 1400

CITY / STATE / ZIP: Oakland, CA 94612

(DOCUMENT WILL ONLY BE RETURNED TO NAME & ADDRESS IDENTIFIED ABOVE)

CONFORMED COPY: This document has not been compared with the original.
SANTA CLARA COUNTY CLERK-RECORDER

Doc#: 23185851
12/30/2015 11:23 AM

(SPACE ABOVE FOR RECORDER'S USE)

Covenant and Environmental Restriction on Property

**(DOCUMENT TITLE)**

APN 237-09-145

SEPARATE PAGE. PURSUANT TO CA. GOV'T. CODE 27361.6

**Recording Requested By:**

Frank Hamedi-Fard and
Rosemary Hamedi-Fard,
Husband and Wife, as Joint Tenants
131 Old Tully Road
San Jose, CA 95111-1921

**When Recorded, Mail To:**

California Regional Water Quality Control Board,
San Francisco Bay Region
Attention: Executive Officer
1515 Clay Street, Suite 1400
Oakland, CA 94612

Frank Hamedi-Fard and
Rosemary Hamedi-Fard,
Husband and Wife, as Joint Tenants
131 Old Tully Road
San Jose, CA 95111-1921

**COVENANT AND ENVIRONMENTAL RESTRICTION ON PROPERTY**

1761 Junction Avenue
San Jose, Santa Clara County

This Covenant and Environmental Restriction on Property ("**Covenant**") is made as of the 13th day of November, 2015 by Frank Hamedi-Fard and Rosemary Hamedi-Fard, Husband and Wife, as Joint Tenants (collectively, "**Covenantor**") who is Owner of record of that certain property situated at 1761 Junction Avenue, City of San Jose, County of Santa Clara, State of California, which further is known by Assessor's Parcel Number APN 237-09-145 (the "**Burdened Property**") which is more particularly described in Exhibit A attached hereto and incorporated herein by this reference, for the benefit of the California Regional Water Quality Control Board, San Francisco Bay Region (the "**Regional Board**"), with reference to the following facts:

A. Nature of Covenant. This Covenant is required by Order of the Regional Board because the Burdened Property and the groundwater underlying it is contaminated by hazardous materials as defined in section 25260 of the Health and Safety Code.

B. Contamination of the Burdened Property. The soil, soil vapor, and groundwater on the Burdened Property were contaminated by Velcon Filters, Inc.'s historic operations at the

Burdened Property prior to the sale of the Burdened Property to Covenantor. These operations included use of jet fuel used for testing of fuel filters that were stored onsite in underground tanks. An onsite wastewater sump was also used. Major fuel spills occurred at the site in 1975 and 1976 and other smaller spills occurred over the years prior as a result of Velcon operations at the Burdened Property. The contamination on the Burdened Property consists primarily of trichloroethylene and its breakdown products, cis-1,2 dichloroethylene, and vinyl chloride; and petroleum hydrocarbons – jet fuel. Remediation has included excavation of underground tanks, groundwater extraction and treatment, and in-situ bioremediation.

C. Exposure Pathways. The contaminants addressed in this Convenant are present in soil and groundwater on the Burdened Property. Exposure to these contaminants could take place via in-place contact or ingestion of groundwater. The risk of public exposure to the contaminants has been substantially lessened by the remediation and controls described herein.

D. Disclosure and Sampling. Full and voluntary disclosure of the presence of hazardous materials on the Burdened Property has been made by Velcon Filters, Inc. and their consultants to the Board and extensive sampling of the Burdened Property has been conducted by Velcon Filters, Inc. and their consultants.

E. Use of Burdened Property. The Board desires and intends that in order to benefit the Board, and to protect the present and future public health and safety, the Burdened Property shall be used in such a manner as to avoid potential harm to persons or property that might result from any hazardous materials that might remain deposited on portions of the Burdened Property.

## ARTICLE I
## GENERAL PROVISIONS.

1.1. Provisions to Run with the Land. This Covenant sets forth protective provisions, covenants, conditions, and restrictions (collectively referred to as "**Restrictions**") upon and subject to which the Burdened Property and every portion thereof shall be improved, held, used, occupied, leased, sold, hypothecated, encumbered, and/or conveyed. The Restrictions set forth in Article III are reasonably necessary to protect present and future human health and safety or the environment as a result of the presence on the land of hazardous materials. Each and all of the Restrictions shall run with the land and pass with each and every portion of the Burdened Property, and shall apply to, inure to the benefit of, and bind the respective successors in interest thereof for the benefit of the Board and all Owners and Occupants. Each and all of the Restrictions: (a) are imposed upon the entire Burdened Property, unless expressly stated as applicable to a specific portion of the Burdened Property; (b) run with the land pursuant to section 1471of the Civil Code; and (c) are enforceable by the Board.

1.2. Concurrence of Owners and Lessees Presumed. All purchasers, lessees, and possessors of all or any portion of the Burdened Property shall be deemed by their purchase, lease, or possession of the Burdened Property to be bound by the Restrictions and to agree for and among themselves, their heirs, successors, and assignees, and the agents, employees, and lessees of such owners, heirs, successors, and assignees, that the Restrictions herein established

must be adhered to for the benefit of the Board and all Owners and Occupants of the Burdened Property, and that the interest of all Owners and Occupants of the Burdened Property shall be subject to the Restrictions contained herein.

1.3. Incorporation into Deeds and Leases. The Board desires and covenants that the Restrictions shall be incorporated in and attached to each and all deeds and leases of any portion of the Burdened Property. Recordation of this Covenant shall be deemed binding on all successors, assigns, and lessees, regardless of whether a copy of this Covenant has been attached to or incorporated into any given deed or lease.

1.4. Purpose. It is the purpose of this instrument to convey to the Regional Board real property rights, which will run with the land, to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

## ARTICLE II
## DEFINITIONS

2.1. Regional Board. "Regional **Board**" shall mean the California Regional Water Quality Control Board, San Francisco Region and shall include its successor agencies, if any.

2.2. Improvements. "**Improvements**" shall mean all buildings, structures, roads, driveways, gradings, re-gradings, and paved areas, constructed or placed upon any portion of the Burdened Property.

2.3. Occupant or Occupants. "**Occupant**" or "**Occupants**" shall mean Owners and those persons entitled by ownership, leasehold, or other legal relationship to the right to use and/or occupy all or any portion of the Burdened Property.

2.4. Owner or Owners. "**Owner**" or "**Owners**" shall mean the Covenantor and Covenantor's successors in interest who hold title to all or any portion of the Burdened Property.

## ARTICLE III
## DEVELOPMENT, USE, AND CONVEYANCE OF THE BURDENED PROPERTY

3.1. Restrictions on Development and Use. Covenantor promises to restrict the use of the Burdened Property as follows:

a. Development and use of the Burdened Property shall be restricted to industrial, commercial, or office space;

b. No residence for human habitation shall be authorized on the Burdened Property;

c. No hospitals shall be authorized on the Burdened Property;

d. No schools for persons under twenty-one (21) years of age shall be authorized on the Burdened Property;

e. No care or community centers for children or senior citizens that would involve the regular congregation of children or senior citizens shall be authorized on the Burdened Property;

f. Any contaminated soils brought to the surface by grading, excavation, trenching, or backfilling shall be managed by the Owner, Owner's agent, Occupant, Occupant's agent or other persons acting pursuant to Regional Board orders in accordance with all applicable provisions of local, state, and federal law. If the excavation work resulted from an emergency, the Owner or Occupant or other person acting pursuant to Regional Board orders shall notify the Regional Board by registered mail within ten (10) working days of both the date of commencement of such excavation and after the date of completion;

g. All uses and development of the Burdened Property shall be consistent with any applicable Regional Board Order or Risk Management Plan which is hereby incorporated herein by reference, and including future amendments thereto. All uses and development shall preserve the integrity of any cap, any remedial measures taken or remedial equipment installed, and any groundwater monitoring system installed on the Burdened Property pursuant to the requirements of the Regional Board, unless otherwise expressly authorized in writing by the Regional Board;

h. No Owner, Occupant shall drill, bore, otherwise construct, or use a well for the purpose of extracting shallow ground water for any use, including but not limited to, domestic, potable, or industrial uses, unless expressly authorized in writing by the Regional Board; nor shall the Owner or Occupant authorize or engage any third party to do such acts;

i. The Owner shall notify the Regional Board of each of the following: (1) the type, cause, location, and date of any disturbance to any cap, any remedial measures taken or remedial equipment installed, and any groundwater monitoring system installed on the Burdened Property pursuant to the requirements of the Regional Board, which could affect the ability of such cap or remedial measures, remedial equipment, or monitoring system to perform their respective functions; and (2) the type and date of repair of such disturbance. Notifications to the Regional Board shall be made by registered mail within ten (10) working days of both the date of discovery of such disturbance and the date of completion of repairs;

j. The Covenantor agrees that the Regional Board, and any persons acting pursuant to Regional Board orders, shall have reasonable access to the Burdened Property

for the purposes of inspection, maintenance, or monitoring as provided in Division 7 of the Water Code and in advance notication to Conventor.

k. No Owner, Occupant or any other person shall act in any manner that threatens or is likely to aggravate or contribute to the existing contaminated conditions of the Burdened Property. All use and development of the Burdened Property shall preserve the integrity of any capped areas.

3.2. Enforcement. Failure of an Owner, Occupant or any other person to comply with any of the Restrictions set forth in Paragraph 3.1 shall be grounds for the Regional Board, by the authority of this Covenant, to require that the Owner, Occupant or other person to modify or remove, or cause to be modified or removed, any Improvements constructed in violation of that Paragraph. Violation of this Covenant shall also be grounds for the Regional Board to file civil actions against the Owner, Occupant or any person who violates the restrictions as provided by law.

3.3. Notice in Agreements. After the date of recordation hereof, all Owners and Occupants shall execute a written instrument that shall accompany all purchase agreements or ground leases relating to the Burdened Property. Any such instrument shall contain the following statement:

> The land described herein contains hazardous materials in soils and in the groundwater under the property, and is subject to a Covenant and Environmental Restriction on Property dated as of November ___, 2015, and recorded on _____ ___, 2015, in the Official Records of Santa Clara County, California, as Document No. _____, which Covenant and Environmental Restriction on Use of Property imposes certain covenants conditions, and restrictions on usage of the property described herein. This statement is not a declaration that a hazard exists.

## ARTICLE IV
## VARIANCE AND TERMINATION

4.1. Variance. Any Owner or, with the Owner's written consent, any Occupant may apply to the Regional Board for a written variance from the provisions of this Covenant.

4.2. Termination. Any Owner or, with the Owner's written consent, any Occupant may apply to the Regional Board for a termination of the Restrictions as they apply to all or any portion of the Burdened Property.

4.3. Term. Unless terminated in accordance with Paragraph 4.2 above, by law or otherwise, this Covenant shall continue in effect in perpetuity.

**ARTICLE V**
**MISCELLANEOUS**

5.1. No Dedication Intended. Nothing set forth herein shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Burdened Property or any portion thereof to the general public.

5.2. Notices. Whenever any person gives or serves any notice, demand, or other communication with respect to this Covenant, each such notice, demand, or other communication shall be in writing and shall be deemed effective: (a) when delivered, if personally delivered to the person being served or an official of a government agency being served; or (b) three (3) business days after deposit in the mail if mailed by U.S. mail, postage paid certified, return receipt requested, addressed:

If to Covenantor:

Frank Hamedi-Fard and Rosemary Hamedi-Fard,
Husband and Wife, as Joint Tenants
131 Old Tully Road
San Jose, CA 95111-1921

If to Regional Board:

California Regional Water Quality Control Board
San Francisco Bay Region
Attention: Executive Officer
1515 Clay Street, Suite 1400
Oakland, CA 94612

In both cases, with a copy to:

Velcon Filters, Inc
Attn: David Taylor
3320 Camels Ridge Lane
Colorado Springs, CO 80904

5.3 Partial Invalidity. If any portion of the Restrictions or terms set forth herein is determined by a court having jurisdiction to be invalid for any reason, the remaining portion shall remain in full force and effect as if such portion had not been included herein.

5.4. Article Headings. Headings at the beginning of each numbered article of this Covenant are solely for the convenience of the parties and are not part of the Covenant.

5.5 Recordation. This instrument shall be executed by the Covenantor and by the Executive Officer of the Board. This instrument shall be recorded by the Covenantor in the County of Santa Clara within ten (10) days of the date of execution.

5.6 References. All references to Code sections include successor provisions.

5.7 Construction. Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Covenant to preserve and implement the purpose of this instrument and the policies and purposes of the Water Code. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

IN WITNESS HEREOF, the parties execute this Covenant as of the date set forth above.

Frank Hamedi-Fard
Date: 11/13/2015

Rosemary Hamedi-Fard
Date: 11/13/2015

Agency: State of California
Regional Water Quality Board,
San Francisco Bay Region

By: Bruce H. Wolfe

Title: Executive Officer
Date: Nov. 24, 2015

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Santa Clara

On NOV 13, 2015 *(insert date)*, before me, MARTHA KELLEY / NOTARY PUBLIC *(insert name and title of the officer)*, personally appeared FARHANG HAMEDIFARD [Covenantor], who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Martha Kelley (Seal)

MARTHA KELLEY
COMM. #1959954
Notary Public - California
Santa Clara County
My Comm. Expires Dec. 8, 2015

State of California
County of Santa Clara

On NOV 13, 2015 *(insert date)*, before me, MARTHA KELLEY / NOTARY PUBLIC *(insert name and title of the officer)*, personally appeared ROSEMARY HAMEDIFARD [Executive Officer], who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he~~/she/~~they~~ executed the same in ~~his~~/her/~~their~~ authorized capacity(~~ies~~), and that by ~~his~~/her/~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Martha Kelley (Seal)

MARTHA KELLEY
COMM. #1959954
Notary Public - California
Santa Clara County
My Comm. Expires Dec. 8, 2015

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT** CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )
County of Santa Clara )

On NOV 13, 2015 (Date) before me, MARTHA KELLEY, NOTARY PUBLIC (Here Insert Name and Title of the Officer)

personally appeared FARHANG HAMEDIFARD and Rosemary HAMEDIFARD (Name(s) of Signer(s))

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that ~~he/she~~/they executed the same in ~~his/her~~/their authorized capacity(ies), and that by ~~his/her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

MARTHA KELLEY
Commission # 2133542
Notary Public - California
Santa Clara County
My Comm. Expires Dec 8, 2019

Signature martha Kelley
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

*Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.*

**Description of Attached Document**
Title or Type of Document: COVENANT & Environmental Restriction on Property Document Date: 11-13-15
Number of Pages: 7 Signer(s) Other Than Named Above: NONE

**Capacity(ies) Claimed by Signer(s)**

| Signer's Name: FARHANG HAMEDIFARD | Signer's Name: Rosemary HAMEDIFARD |
|---|---|
| ☐ Corporate Officer — Title(s): | ☐ Corporate Officer — Title(s): |
| ☐ Partner — ☐ Limited ☐ General | ☐ Partner — ☐ Limited ☐ General |
| ☒ Individual ☐ Attorney in Fact | ☒ Individual ☐ Attorney in Fact |
| ☐ Trustee ☐ Guardian or Conservator | ☐ Trustee ☐ Guardian or Conservator |
| ☐ Other: | ☐ Other: |
| Signer Is Representing: | Signer Is Representing: |

**California Notary Acknowledgement Certificate:**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of ALAMEDA } ss.

On 11/24/2015 before me, SUNIL JASWAL Notary Public,

personally appeared

BRUCE HATCH-WOLFE

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signatures(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

SUNIL JASWAL
Commission # 2060671
Notary Public - California
Alameda County
My Comm. Expires Apr 2, 2018

Order No: 990062 -MJC

1

# DESCRIPTION

All that certain Real Property in the City of San Jose, County of Santa Clara, State of California, described as follows:

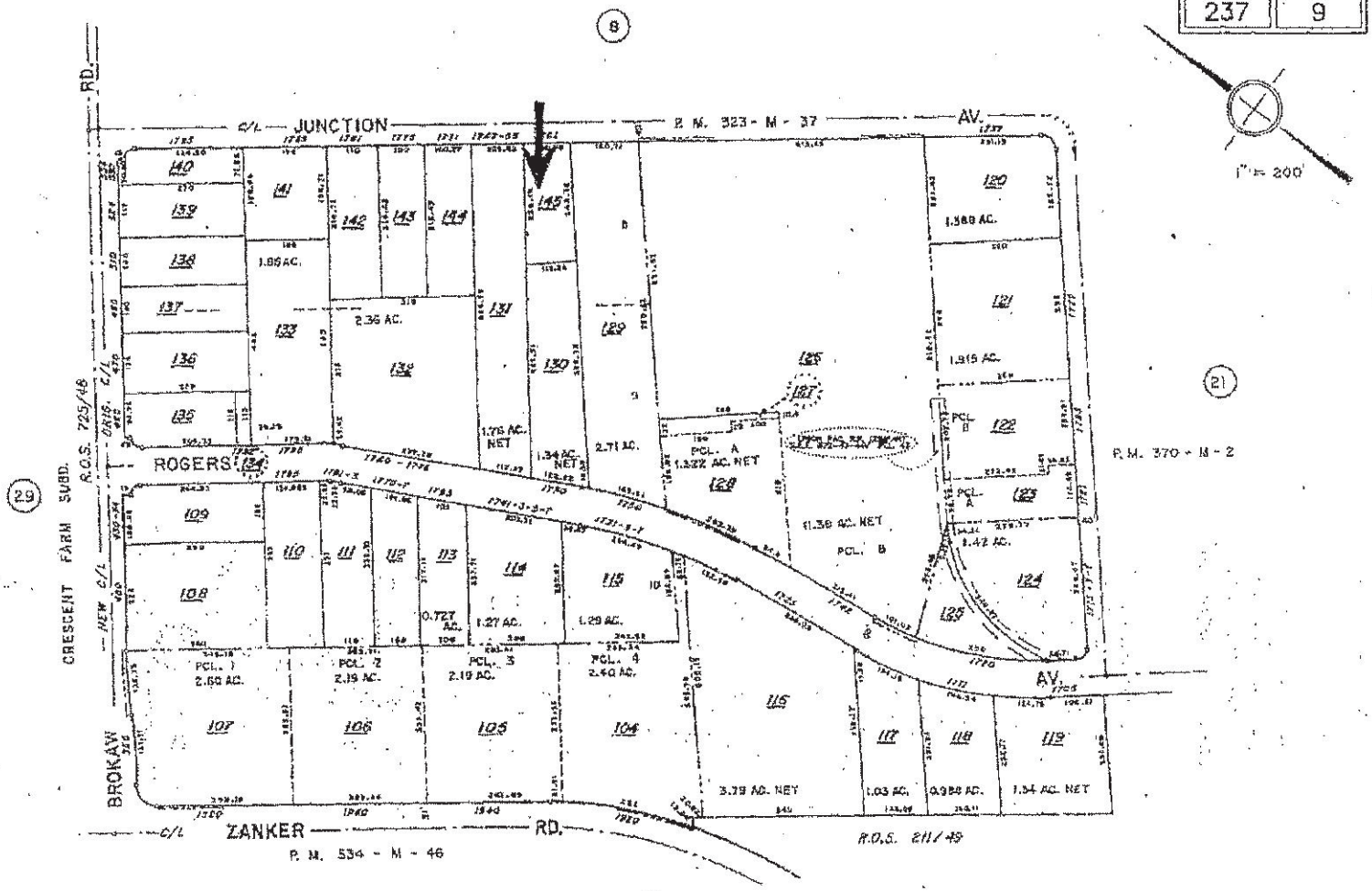
Being a portion of that certain Parcel of land conveyed to the Bank of America, National Trust and Savings Association, Trustee for Engineering Fabrications Incorporated Profit Sharing Retirement Plan, a trust by Grant Deed recorded April 20, 1966, in Book 7353, Official Records, Page 260, Santa Clara County Records, described as follows:

Commencing at a nail in the center line of Junction Avenue, 80 feet wide, distant thereon South 38 deg. 26' East 899.83 feet from a monument at the intersection thereof with the center line of East Brokaw Road, 60 feet wide; thence parallel with said center line of East Brokaw Road, South 51 deg. 17' 04" West, 40.00 feet to an iron pipe in the Southwesterly line of Junction Avenue, and the True Point of Beginning of the parcel of land to be described; thence continuing parallel with aid center line of East Brokaw Road, South 51 deg. 17' 04" West 250.18 feet to the intersection thereof with the Northeasterly line of that certain parcel of land conveyed to Velcon Filters, Inc., a California Corporation, by Grant Deed recorded October 22, 1970, in Book 9095, official Records, Page 524, Santa Clara County Records; thence along said Northeasterly line of that certain Parcel of land conveyed to Velcon Filters, Inc., S. 41 deg. 21' 07" E. 112.28 feet to the intersection thereof with the Southeasterly line of said certain Parcel of Land conveyed to Velcon Filters, Inc., thence along the Northeasterly prolongation of the said Southeasterly line of that certain parcel of land conveyed to Velcon Filters, Inc., North 48 deg. 40' 05" East, 244.78 feet to the intersection thereof with the said Southwesterly line of Junction Avenue; thence along said Southwesterly line of Junction Avenue, North 38 deg. 26' West, 100.90 feet to the true point of beginning.

OFFICE OF COUNTY ASSESSOR — SANTA CLARA COUNTY, CALIFORNIA

BOOK 237 PAGE 9

AM237009 Page 1




LAWRENCE E. STONE - ASSESSOR
Original map for assessment purposes only
Compiled under R. & T. Code, Sec. 327.
Effective Roll Year 2001-2002

This is not a survey of the land and is inserted as a matter of information only, and while the same is compiled from information we believe to be correct, no liability is assumed by Chicago Title Company as to the correctness of said information.

**Execution Version**

**Recording Requested By:**

William Bartlett
Triad Tool & Engineering Inc.
1750 Rogers Ave.
San Jose, CA 95112

William Bartlett
Phoenix Technical Products
1750 Rogers Ave.
San Jose, CA 95112

**When Recorded, Mail To:**

Regional Water Quality Control Board
San Francisco Bay Region
Attention: Executive Officer
1515 Clay Street, Suite 1400
Oakland, CA 94612

**COVENANT AND**
**ENVIRONMENTAL RESTRICTIONON PROPERTY**

Triad Tool and Engineering, Inc.
Phoenix Technical Products
Former Taylor Property – 1750 Rogers Avenue, 1759 Junction Avenue
Former Velcon I Property – 1750 Rogers Avenue
San Jose, Santa Clara County

This Covenant and Environmental Restriction on Property (this "**Covenant**") is made as of the 26th day of April, 2011 by Triad Tool and Engineering, Inc. Phoenix Technical Products (collectively, "**Covenantor**") who is the Owner of record of that certain property situated at 1750 Rogers Avenue and 1759 Junction Avenue, San Jose, California, which is more particularly described in **Exhibit A** attached hereto and incorporated herein by this reference (the "**Burdened Property**"), for the benefit of the California Regional Water Quality Control Board, San Francisco Bay Region (the "**Board**"),with reference to the following facts:

A. Nature of Covenant. This Covenant is an environmental covenant provided for by Civil, Code section 1471 and required by the Board pursuant to Water Code section 13307.1, because the Burdened Property is contaminated by hazardous materials as defined in section 25260 of the Health and Safety Code.

B. Contamination of the Burdened Property. The soil, soil vapor, and groundwater the Burdened Property were contaminated by Velcon Filters, Inc.'s historic operations at the Burdened Property. The contamination on the Burdened Property consists primarily of trichloroethylene and its breakdown products, cis-1,2 dichloroethylene, and vinyl chloride.

C. Disclosure and Sampling. Disclosure of the presence of hazardous materials on the Burdened Property has been made to the Board and extensive sampling of the Burdened Property has been conducted.

D. Use of Burdened Property. Covenantor desires and intends that in order to benefit the Board, and to protect the present and future public health and safety, the Burdened Property shall be used in such a manner as to avoid potential harm to persons or property that might result from any hazardous materials that might remain deposited on portions of the Burdened Property.

## ARTICLE I
## GENERAL PROVISIONS

1.1. Provisions to Run with the Land. This Covenant sets forth protective provisions, covenants, conditions, and restrictions (collectively referred to as "**Restrictions**") upon and subject to which the Burdened Property and every portion thereof shall be improved, held, used, occupied, leased, sold, hypothecated, encumbered, and/or conveyed. These Restrictions are reasonably necessary to protect present and future human health and safety or the environment as a result of the presence on the land of hazardous materials. Each and all of the Restrictions shall run with the land and pass with each and every portion of the Burdened Property, and shall apply to, inure to the benefit of, and bind the respective successors in interest thereof for the benefit of the Board and all Owners and Occupants. Each and all of the Restrictions: (a) are imposed upon the entire Burdened Property, unless expressly stated as applicable to a specific portion of the Burdened Property; (b) run with the land pursuant to section 1471of the Civil Code; and (c) are enforceable by the Board.

1.2. Concurrence of Owners and Lessees Presumed. All purchasers, lessees, and possessors of all or any portion of the Burdened Property shall become Owners or Occupants as defined herein and shall be deemed by their purchase, lease, or possession of the Burdened Property to be bound by the Restrictions and to agree for and among themselves, their heirs, successors, and assignees, and the agents, employees, and lessees of such owners, heirs, successors, and assignees, that the Restrictions herein established must be adhered to for the benefit of the Board and all Owners and Occupants, and that the interest of all Owners and Occupants of the Burdened Property shall be subject to the Restrictions.

1.3. Incorporation into Deeds and Leases. Covenantor desires and covenants that the Restrictions shall be incorporated in and attached to each and all deeds and leases of all or any portion of the Burdened Property. Recordation of this Covenant shall be deemed binding on all successors, assigns, and lessees, regardless of whether a copy of this Covenant has been attached to or incorporated into any given deed or lease.

1.4. Purpose. It is the purpose of this instrument to convey to the Board real property rights, which will run with the land, to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

## ARTICLE II
## DEFINITIONS

2.1. Board. **"Board"** shall mean the California Regional Water Quality Control Board, San Francisco Region and shall include its successor agencies, if any.

2.2. Improvements. **"Improvements"** shall mean all buildings, structures, roads, driveways, gradings, re-gradings, and paved areas, constructed or placed upon any portion of the Burdened Property.

2.3. Occupant or Occupants. **"Occupant"** or **"Occupants"** shall mean Owners and those persons entitled by ownership, leasehold, or other legal relationship to the right to use and/or occupy all or any portion of the Burdened Property.

2.4. Owner or Owners. **"Owner"** or **"Owners"** shall mean the Covenantor and Covenantor's successors in interest who hold title to all or any portion of the Burdened Property.

## ARTICLE III
## DEVELOPMENT, USE, ANDCONVEYANCEOF THE BURDENED PROPERTY

3.1. Restrictions on Development and Use. Covenantor promises to restrict the use of the Burdened Property as follows:

a. Development and use of the Burdened Property shall be restricted to industrial, commercial, or office space;

b. No residence for human habitation shall be authorized on the Burdened Property;

c. No hospitals shall be authorized on the Burdened Property;

d. No schools for persons under twenty-one (21) years of age shall be authorized on the Burdened Property;

e. No care or community centers for children or senior citizens, or other uses that would involve the regular congregation of children or senior citizens, shall be authorized on the Burdened Property;

f. Any contaminated soils brought to the surface by grading, excavation, trenching, or backfilling shall be managed by the Owner, Owner's agent, Occupant, or Occupant's agent in accordance with all applicable provisions of local, state, and federal law. If the excavation work resulted from an emergency, the Owner or Occupant shall notify the Board by registered mail within ten (10) working days of both the date of commencement of such excavation and after the date of completion;

g. All uses and development of the Burdened Property shall be consistent with any applicable Board Order which is hereby incorporated herein by reference, and including future amendments thereto. All uses and development shall preserve the

integrity of any cap, any remedial measures taken or remedial equipment installed, and any groundwater monitoring system installed on the Burdened Property pursuant to the requirements of the Board, unless otherwise expressly authorized in writing by the Board;

h. No Owner or Occupant shall drill, bore, otherwise construct, or use a well for the purpose of extracting water for any use, including but not limited to, domestic, potable, or industrial uses, unless expressly authorized in writing by the Board; nor shall the Owner or Occupant authorize or engage any third party to do such acts;

i. The Owner and Occupant shall notify the Board of each of the following: (1) the type, cause, location, and date of any disturbance to any cap, any remedial measures take nor remedial equipment installed, and any groundwater monitoring system installed on the Burdened Property pursuant to the requirements of the Board, which could affect the ability of such cap or remedial measures, remedial equipment, or monitoring system to perform their respective functions; and (2) the type and date of repair of such disturbance. Notifications to the Board shall be made by registered mail within ten (10) working days of both the date of discovery of such disturbance and the date of completion of repairs;

j. The Covenantor agrees that the Board, and any persons acting pursuant to Board orders, shall have reasonable access to the Burdened Property for the purposes of inspection, surveillance, maintenance, or monitoring as provided in Division 7 of the Water Code; and

k. No Owner or Occupant shall act in any manner that threatens or is likely to aggravate or contribute to the existing contaminated conditions of the Burdened Property. All use and development of the Burdened Property shall preserve the integrity of any capped areas.

3.2. Enforcement. Failure of an Owner or Occupant to comply with any of the Restrictions set forth in Paragraph 3.1 shall be grounds for the Board, by the authority of this Covenant, to require that the Owner or Occupant modify or remove, or cause to be modified or removed, any Improvements constructed in violation of that Paragraph. Violation of this Covenant shall also be grounds for the Board to file civil actions against the Owner or Occupant as provided by law.

3.3. Notice in Agreements. After the date of recordation hereof, all Owners and Occupants shall execute a written instrument that shall accompany all purchase agreements or ground leases relating to all or any portion of the Burdened Property. Any such instrument shall contain the following statement:

> The land described herein contains hazardous materials in soils and in the groundwater under the property, and is subject to a Covenant and Environmental Restriction on Property dated as of _____ ___, 2011, and recorded on _____ ___, 2011, in the Official Records of Santa Clara County, California, as Document No. _____, which Covenant and Environmental Restriction on Use of Property imposes certain covenants

conditions, and restrictions on usage of the property described herein. This statement is not a declaration that a hazard exists.

## ARTICLE V
## VARIANCE AND TERMINATION

4.1. Variance. Any Owner or, with the Owner's written consent, any Occupant may apply to the Board for a written variance from the provisions of this Covenant.

4.2. Termination. Any Owner or, with the Owner's written consent, any Occupant may apply to the Board for a termination of the Restrictions as they apply to all or any portion of the Burdened Property.

4.3. Term. Unless terminated in accordance with Paragraph 4.2 above, by law or otherwise, this Covenant shall continue in effect in perpetuity.

## ARTICLEV
## MISCELLANEOUS

5.1. No Dedication Intended. Nothing set forth herein shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Burdened Property or any portion thereof to the general public.

5.2. Notices. Whenever any person gives or serves any notice, demand, or other communication with respect to this Covenant, each such notice, demand, or other communication shall be in writing and shall be deemed effective: (a) when delivered, if personally delivered to the person being served or an official of a government agency being served; or (b) three (3) business days after deposit in the mail if mailed by U.S. mail, postage paid certified, return receipt requested, addressed:

If to Covenantor:

William Bartlett
Triad Tool & Engineering Inc.
1750 Rogers Ave.
San Jose, CA 95112
Phone 408-436-8411
Fax 408-436-0388

William Bartlett
Phoenix Technical Products
1750 Rogers Ave.
San Jose, CA 95112
Phone 408-436-8411
Fax 408-436-0388

With a copy to:

Jeffrey S. Lawson
Silicon Valley Law Group
25 Metro Drive, Ste. 600
San Jose, CA 95110
Phone 408-573-5700
Fax 408-573-5701

If to Board:

Regional Water Quality Control Board
San Francisco Bay Region
Attention: Executive Officer
1515 Clay Street, Suite 1400
Oakland, CA 94612

In both cases, with a copy to:

TRC Companies, Inc.
Attn: Ronald E. Bock
Sr. Vice President
123 Technology Drive
Irvine, CA 92618

5.3 Partial Invalidity. If any portion of the Restrictions or terms set forth herein is determined by a court having jurisdiction to be invalid for any reason, the remaining portion shall remain in full force and effect as if such portion had not been included herein.

5.4. Article Headings. Headings at the beginning of each numbered article of this Covenant are solely for the convenience of the parties and are not part of the Covenant.

5.5 Recordation. This instrument shall be executed by the Covenantor and by the Executive Officer of the Board. This instrument shall be recorded by the Covenantor in the County of Santa Clara within ten (10) days of the date of execution.

5.6 References. All references to Code sections include successor provisions.

5.7 Construction. Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Covenant to preserve and implement the purpose of this instrument and the policies and purposes of the Water Code. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

5.8 Mortgagee Protection. Nothing in this Covenant shall impair any mortgage or deed of trust encumbering the Burdened Property; moreover this Covenant shall be binding upon

and enforceable against any Owner whose title is acquired by judicial or non-judicial foreclosure or deed-in-lieu of foreclosure.

IN WITNESS HEREOF, the parties execute this Covenant as of the date set forth above.

TRIAD TOOL AND ENGINEERING, INC:

Name: William H.C. BARTLETT
Date: 4/26/2011
Title: President

PHOENIX TECHNICAL PRODUCTS:

Name: William H.C. BARTLETT
Date: 4/26/2011
Title: President

IN WITNESS WHEREOF, the parties execute this Covenant as of the date set forth above.

Covenantor: _____

By: _____
Title: _____
Date: _____

Agency: State of California
Regional Water Quality Board,
San Francisco Bay Region

By: _____
Title: Executive Officer
Date: 5/9/11

STATE OF CALIFORNIA )
)
COUNTY OF Santa Clara )

On 4-26-11 (Date) before me, Catherine Gilardi, Notary Public (Here Insert Name and Title of the Officer)

personally appeared William Bartlett (Name(s) of Signer(s)),

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____
Signature of Notary Public

CATHERINE GILARDI
Commission # 1785163
Notary Public - California
Santa Clara County
My Comm. Expires Dec 14, 2011

Place Notary Seal Above

STATE OF CALIFORNIA )
)
COUNTY OF Alameda )

On May 9, 2011 before me, the undersigned a Notary Public in and for said state, personally appeared [EXECUTIVE OFFICER], personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument.

WITNESS my hand and official seal.

Notary Public in and for said
County and State

MICHAEL REAMS
Commission # 1865968
Notary Public - California
Alameda County
My Comm. Expires Sep 24, 2013

Please see attached "Acknowledgment"

State of California )
County of Alameda )

# CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

On 9th May, 2011 before me, Michael Reams, a Notary Public,
(here insert name and title of the officer)

personally appeared Bruce H. Wolfe

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

MICHAEL REAMS
Commission # 1865968
Notary Public - California
Alameda County
My Comm. Expires Sep 24, 2013

Signature _____ (Seal)

## OPTIONAL INFORMATION

*Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.*

### Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of Covenant and Environmental Restriction on Property,
containing 9 pages, and dated 5/9/11.

The signer(s) capacity or authority is/are as:

- ☐ Individual(s)
- ☐ Attorney-in-Fact
- ☑ Corporate Officer(s) Executive Officer (Title(s))
- ☐ Guardian/Conservator
- ☐ Partner - Limited/General
- ☐ Trustee(s)
- ☐ Other: _____

representing: _____
Name(s) of Person(s) or Entity(ies) Signer is Representing

### Additional Information

Method of Signer Identification

Proved to me on the basis of satisfactory evidence:
○ form(s) of identification ○ credible witness(es)

Notarial event is detailed in notary journal on:
Page # _____ Entry # _____

Notary contact: Michael Reams
Other (510) 812-9826

☐ Additional Signer(s) ☐ Signer(s) Thumbprint(s)

☐ _____

# APPENDIX B

# HISTORICAL FIGURES

ROGERS AVENUE

JUNCTION AVENUE

1758-1760

1750

1771

1767-1765

1761

1759

1757

MW-20A

MW-15B1

MW-15A

MW-9B1

MW-12A

PZ-7

PZ-2

MW-3B1

MW-3A

EW-9

MW-21A

PZ-3

EW-11

Drum Storage
(MEK, resin)

MW-8A

SV-7

PZ-5

SV-6

EW-8

PZ-6

MW-8B1

A/C

EW-3

GX-127

SV-5

SV-1

MW-22A

EW-4

IW-2

GX-140D

IW-1

PZ-1

MW-6B1

GX-140A

A/C

EW-10

SV-4

PZ-4

EW-5

IW-12

IW-11

IW-10

IW-9

IW-8

SV-3

SV-2

MW-25A

MW-24A

MW-23A

IW-4

PW-1

IW-3

PW-2

EW-2

IW-7

IW-6

IW-5

Teflon Coating Area

Warehouse

Newer Building

TCA
Storage
(A/G)

TCE Vapor Degreaser

TCA Vapor Degreaser

TCA Pipeline
(A/G)

1750 Rogers
Avenue

MW-19A

Chemical Storage

Possible Chemical Storage

Heavy
Oils
Stored

GX-140B

GX-140E

Soil

IW-13

IW-14

Laboratory

Former U/G
Jet Fuel
Tanks

GX-140C

Flammables

A/C

A/G Kerosene Tank
for Bubble Tests

Older Building

Zinc Phosphate
Coating Line
(Zn, Al, acids, oils)

Tool and
Die Shop

Soil

MW-5B1

MW-14A

Bermed Concrete
Pad with Awning
A/G Jet A Tanks (2)

EW-1

GX-140F

Resin Room
(A/G resin tanks)

Concrete Pad
Former Burner

Possible Chemical
Storage

Concrete Slab

Concrete Slab

Jet A Release to
Drainage Sewer - 1985

A/C

Bermed Concrete Pad
MEK Tank (A/G)

Former A/G Jet
A Tanks
(original area)

(newer area)

MW-7A

**LEGEND**

| | |
|---|---|
| 1759 — Approximate parcel boundary with street address number | Fence |
| Groundwater monitoring well | A/C — Asphalt |
| Groundwater extraction well | A/G — Above-ground |
| Soil vapor well | U/G — Underground |
| Injection well | Building |

N

SCALE (FEET)

0 60 120

**SITE PLAN AND HISTORICAL CHEMICAL STORAGE AND HANDLING AREAS**
**1750 Rogers Avenue**

Former Velcon Filters, Inc. Facility
1761 Junction Avenue
San Jose, California

TRC | 163227 | **FIGURE B1**

FILE NAME: Z:\Shared\CAD_DRAW\Current\Velcon\Risk Mgmt Plan_REV APRIL 19\FigB1_Site Plan_Historical Areas.dwg | Layout Tab: 11x17


## LEGEND

- 1771 — Approximate parcel boundary with street address number
- Monitoring well or piezometer, A-level aquifer
- Extraction well, A-level aquifer
- Injection well

*Approximate locations of soil borings and drilling dates:*

- 1992
  *(Based on October 29, 1992 source figure by On-Site Technologies where borings are assumed to be located relative to actual property boundaries.)*
- pre-2002
  *(Based on July 2005 source figure by Crawford Consulting Inc.)*

N

SCALE (FEET)

0 40 80

*SOURCES:*
*SITE PARCEL BOUNDARIES: Site plan by Crawford Consulting, December 2008. Well locations verified per July 2009 and April 2011 surveys by Morrow Surveying, West Sacramento, California.*
*AERIAL PHOTO: Google Earth, June 2015.*

**HISTORICAL SOIL SAMPLING LOCATIONS**
**1750 Junction Avenue**

Former Velcon Filters, Inc. Facility
1761 Junction Avenue
San Jose, California

TRC | 163227 | **FIGURE B2**

FILE NAME: Z:\Shared\CAD_DRAW\Current\Velcon\Risk Mgmt Plan_REV APRIL 19\FigB2_Historical Samples_1750 Junction.dwg | Layout Tab: 11x17


## LEGEND

- 1771 — Approximate parcel boundary with street address number
- Monitoring well or piezometer, A-level aquifer
- Extraction well, A-level aquifer
- Monitoring well or piezometer, B-level aquifer

*Approximate locations of soil borings and drilling dates:*

- 1992
  *(Based on October 29, 1992 source figure by On-Site Technologies where borings are assumed to be located relative to actual property boundaries.)*
- 1992 modified
  *(Based on October 29, 1992 source figure by On-Site Technologies but positioned relative to surveyed locations of wells GX-140C and GX-140F.)*
- pre-2002
  *(Based on July 2005 source figure by Crawford Consulting Inc.)*
- 2003
  *(Based on November 18, 2003 source figure by Cypress Environmental.)*
- 2007
  *(Based on January 4, 2008 source figure by Geomatrix.)*
- 2012
  *(Drilled by TRC on September 9, 2012.)*

N

SCALE (FEET)

0 30 60

*SOURCES:*
*SITE PARCEL BOUNDARIES: Site plan by Crawford Consulting, December 2008. Well locations verified per July 2009 and April 2011 surveys by Morrow Surveying, West Sacramento, California.*
*AERIAL PHOTO: Google Earth, June 2015.*

**HISTORICAL SOIL SAMPLING LOCATIONS**
**1759 Junction Avenue**

Former Velcon Filters, Inc. Facility
1761 Junction Avenue
San Jose, California

TRC | 163227 | **FIGURE B3**

FILE NAME: Z:\Shared\CAD_DRAW\Current\Velcon\Risk Mgmt Plan_REV APRIL19\FigB3_Historical Samples_1759 Junction.dwg | Layout Tab: 11x17


## LEGEND

- 1771 — Approximate parcel boundary with street address number
- Monitoring well or piezometer, A-level aquifer
- Extraction well, A-level aquifer
- Monitoring well or piezometer, B-level aquifer
- Extraction well, B-level aquifer
- Injection well

*Approximate locations of soil borings and drilling dates:*

- 2000
  *(Based on September 2000 source figure by Cypress Environmental where borings are assumed to be located relative to wells PZ-6, GX-140B and GX-140E.)*
- pre-2002
  *(Based on July 2005 source figure by Crawford Consulting Inc.)*
- 2013
  *(Drilled by TRC in September 2013.)*

N

SCALE (FEET)

0 30 60

*SOURCES:*
*SITE PARCEL BOUNDARIES: Site plan by Crawford Consulting, December 2008. Well locations verified per July 2009 and April 2011 surveys by Morrow Surveying, West Sacramento, California.*
*AERIAL PHOTO: Google Earth, June 2015.*

**HISTORICAL SOIL SAMPLING LOCATIONS**
**1761 Junction Avenue**

Former Velcon Filters, Inc. Facility
1761 Junction Avenue
San Jose, California

TRC | 163227 | **FIGURE B4**

FILE NAME: Z:\Shared\CAD_DRAW\Current\Velcon\Risk Mgmt Plan_REV APRIL 19\FigB4_Historical Samples_1761 Junction.dwg | Layout Tab: 11x17

BUILDING

JUNCTION AVENUE

1761

1761 JUNCTION AVENUE

RECEPTION / OFFICE AREA

FORMER SHOWROOM

METER ROOM

OFFICE

SHOP AREA WITH ROLL-UP DOORS

FORMER UST EXCAVATION (APPROXIMATE)

GROUNDWATER EXTRACTION TREATMENT COMPOUND

PZ-7
PZ-6
PZ-5
PZ-4
PZ-1

MW-22A
MW-9B1
MW-24A
MW-25A
MW-8A
MW-8B1
MW-23A
MW-5B1

GX-140A
GX-140D
GX-140E
GX-140B
GX-140C
GX-127

EW-2
EW-3
EW-4
EW-5
EW-8
EW-10

PW-1
PW-2

IW-1
IW-2
IW-3
IW-4
IW-5
IW-6
IW-7
IW-8
IW-9
IW-10
IW-11
IW-12
IW-13
IW-14

SV-1
SV-2
SV-3
SV-4
SV-5
SV-6
SV-7

OA-1

IA-1
IA-2
IA-3
IA-4
IA-5

SS-1
SS-2
SS-3
SS-4

## LEGEND

460 — Lot number and lot boundary line

Fence

Monitoring well or piezometer A-level aquifer

Extraction well A-level aquifer

Monitoring well or piezometer B1-level aquifer

Extraction well B1-level aquifer

Soil vapor well

*Approximate locations of:*

Indoor air sample point

Sub-slab soil vapor sample point

Ambient outdoor air sample point

N

SITE PLAN SCALE (FEET)

0 25 50

*NOTES:*
*Source Site Plan: Crawford Consulting, December 2008. Well locations verified per Morrow Surveying, April 2011.*

*Locations of site features are approximate.*

**HISTORICAL SUB-SLAB AND INDOOR AIR SAMPLING LOCATIONS**

Former Velcon Filters, Inc. Facility
1761 Junction Avenue
San Jose, California

TRC | 163227 | **FIGURE B5**

FILE NAME: Z:\Shared\CAD_DRAW\CurrentVelcon\Risk Mgmt Plan_REV APRIL19\Fig$B5_Historical Subslab_Indoor Air Sampling.dwg | Layout Tab: 11X17

# APPENDIX C

# HISTORICAL DATA TABLES

**Table C1**
**Analytical Results of Recent Soil Vapor Samples**
Former Velcon Filters San Jose, California

Concentrations in micrograms per cubic meter ($\mu g/m^3$)

| Sample ID | Sample Depth (ft bgs) | Date | Location | TCE | cis-1,2-DCE | trans-1,2-DCE | Vinyl Chloride | Methane ($\%_v$) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|
| | | | Commercial ESL [a] | 100 | 1,200 | 12,000 | 5 | NA [b] | Various |
| SV-1_Area A | 5 | 8/31/2010 | 1759 | **210,000** | **19,000** | 1,900 | <29 | <0.720 | chloroform, PCE, toluene, 1,1,2-TCA |
| | 10 | 8/31/2010 | | **24,000** | **2,600** | 280 | <22 | <0.845 | acetone, benzene, chloroform |
| SV-2_Area A | 5 | 8/31/2010 | 1759 | **180,000** | **14,000** | 1,800 | <32 | <0.785 | benzene, chloroform, PCE, toluene, 1,1,2-TCA |
| SV-1 | 5 | 3/16/2011 | 1761 | <3.8 | <2.8 | <2.8 | <1.8 | <0.700 | acetone, benzene, carbon diisulfide, ethybenzene, xylenes, toluene |
| | | 5/3/2011 | | <4.3 | <3.2 | <3.2 | <2.1 | <0.805 | acetone, benzene, carbon diisulfide, xylenes, toluene |
| | | 5/12/2011 | | <4.5 | <3.3 | <3.3 | <2.1 | <0.840 | acetone, benzene, carbon diisulfide, xylenes, toluene |
| | | 6/14/2011 | | <4.2 | <3.1 | <3.1 | <2.0 | <0.780 | benzene, carbon disulfide, CFC-113 |
| | | 7/12/2011 | | <4.4 | <3.2 | <3.2 | <2.1 | <0.815 | benzene, carbon disulfide |
| | | 9/13/2011 | | <4.4 | <3.3 | <3.3 | <2.1 | <0.820 | carbon disulfide, Freon-11 |
| | | 10/27/2011 | | <4.3 | <3.2 | <3.2 | <2.0 | <0.500 | acetone, Freon-11 |
| | | 4/23/2012 | | <8.6 | <6.3 | <6.3 | **5.1** | 1.87 | acetone, PCE, Freon-11, |
| | | | | <2.7 | <2.0 | <2.0 | <1.3 | 4.06 | acetone, chloromethane, CFC-12, Freon-11 |
| | | 6/18/2012 | | <2.7 | <2.0 | <2.0 | <1.3 | 3.12 | acetone, PCE, Freon-11, 1,1,1-TCA |
| | | 8/14/2012 | | <2.7 | <2.0 | <2.0 | <1.3 | <0.500 | acetone, Freon-11, 1,1,1-TCA |
| | | 12/7/2012 | | 4.2 | <2.0 | <2.0 | <1.3 | <0.500 | acetone, xylenes, Freon-11, 1,1,1-TCA, 1,3,5-TMB |
| | | 12/10/2013 | | <2.7 | 2.5 | <2.0 | 2.2 | **6.00** | acetone, Freon-11, 1,1,1-TCA |
| | | 8/11/2014 | | <2.7 | <2.0 | <2.0 | <1.3 | <0.500 | acetone, chloroform, Freon-11, 1,1,1,-TCA |
| | 10 | 3/16/2011 | 1761 | <6.8 | <5.0 | <5.0 | <3.2 | <1.27 | acetone, benzene, carbon diisulfide, ethybenzene, xylenes, toluene, 1,3,5-TMB, 1,2,4-TMB |
| | | 5/3/2011 | | <22 | <16 | <16 | <10 | <4.08 | acetone, benzene |
| | | 9/13/2011 | | <22 | <16 | <16 | <10 | <4.08 | acetone |
| SV-2 | 5 | 3/16/2011 | 1761 | <4.5 | <3.3 | <3.3 | **1,100** | <0.840 | acetone, benzene, 1,1-DCA, ethybenzene, xylenes, CFC-113, 1,1,1-TCA |
| | | 5/3/2011 | | <4.2 | <3.1 | <3.1 | **490** | <0.785 | acetone, 2-butanone, 1,1-DCA, 1,2-DCP, toluene, CFC-113, 1,1,1-TCA |
| | | 5/12/2011 | | <4.4 | <3.2 | <3.2 | **1,700** | <0.810 | acetone, 1,1-DCA, 1,2-DCP, 1,3-DCB, toluene, CFC-113, 1,1,1-TCA |
| | | 6/17/2011 | | <4.1 | <3.0 | <3.0 | **4,200** | <0.765 | acetone, 1,1-DCA, 1,2-DCP, ethylbenzene, 1,3-DCB, PCE, toluene, CFC-113, 1,1,1- |
| | | 7/12/2011 | | <22 | <16 | <16 | **10,000** | <0.815 | none |
| | | 9/14/2011 | | <4.1 | 11 | 4.4 | **25,000** | <6.99 | acetone, benzene,1,1-DCA, 1,1-DCE, 1,2-DCP, 1,3-DCB, xylenes, PCE, toluene, CFC-113, 1,1,1-TCA |
| | | 10/27/2011 | | <170 | <120 | <120 | **24,000** | **11.7** | N/A |
| | | 4/23/2012 | | <110 | <79 | <79 | **77,000** | **51.1** | chloroethane |
| | | 6/18/2012 | | <540 | <400 | <400 | **94,000** | **32.2** | chloroethane |
| | | 8/14/2012 | | <110 | <79 | <79 | **29,000** | **20.7** | chloroethane, 1,1-DCA, |
| | | 12/7/2012 | | <27 | **1,800** | 26 | **6,300** | **7.64** | chloroethane, 1,1-DCA, xylenes, 1,1,1-TCA |
| | | 12/10/2013 | | <67 | 130 | <50 | **890** | **21.1** | chloroethane, 1,1-DCA |
| | | 8/11/2014 | | <110 | 120 | <79 | **280** | **5.61** | chloroethane |
| SV-2 | 10 | 3/16/2011 | 1761 | <6.0 | <4.5 | <4.5 | **54** | <1.12 | acetone, benzene, 1,1,-DCA, ethybenzene, 4-ethlytoluene, xylenes, toluene, 1,3,5-TMB, 1,2,4-TMB |
| | | 5/3/2011 | | 24 | <8.1 | <8.1 | **33** | <2.04 | acetone, 1,1,-DCA, 1,3-DCB, ethybenzene, xylenes, toluene, 1,2,4-TMB |
| | | 9/14/2011 | | <12 | <9.1 | <9.1 | <5.9 | <2.30 | acetone, chloromethane, dichlorodifluromethane |
| SV-3 | 5 | 3/16/2011 | 1761 | <4.0 | 51 | <3.0 | <1.9 | <0.750 | acetone, benzene, chloroform, 1,1,-DCA, 1,1,-DCE, ethybenzene, 4-ethlytoluene, xylenes, toluene, CFC-113, 1,3,5-TMB, 1,2,4-TMB |
| | | 5/4/2011 | | 7.7 | 76 | 3.6 | <2.0 | <0.770 | acetone, chloroform, 1,1,-DCA, 1,1,-DCE, xylenes, toluene, CFC-113, 1,1,1-TCA |
| | | 5/13/2011 | | 9.9 | 93 | 5.0 | <1.9 | <0.740 | acetone, benzene, chloroform, 1,1,-DCA, 1,1,-DCE, 1,3-DCB, ethybenzene, xylenes, toluene, CFC-113, 1,1,1-TCA |
| | | 6/15/2011 | | <4.2 | 110 | 4.8 | <2.0 | <0.775 | chloroethane, 1,1-DCA, 1,1-DCE, 1,3-DCB, 1,1,1-TCA, CFC-113 |
| | | 7/12/2011 | | <4.5 | 140 | 5.8 | <2.1 | <0.835 | acetone, chloroform, 1,1,-DCA, 1,1,-DCE, 1,3-DCB, CFC-113, 1,1,1-TCA |
| | | 9/15/2011 | | <3.7 | 5 | <2.8 | <1.8 | <0.695 | acetone, 1,1-DCA, 1,1-DCE, 1,1,1-TCA |
| | | 10/28/2011 | | <4.5 | 130 | 4.9 | 2.8 | <0.500 | chloroform, 1,1-DCA, 1,1-DCE, CFC-113 |
| | | 4/23/2012 | | <110 | 120 | <79 | **68,000** | **23.1** | 1,1-DCA, 1,1-DCE, 1,1,1-TCA |
| | | 6/19/2012 | | 17 | 400 | 12 | **5,800** | 0.773 | acetone, benzene, chloroethane, chloroform, 1,1-DCA, 1,1-DCE, ethylbenzene, 4-ethyltoluene, o-xylene, p/m xylene, toluene, 1,1,1-TCA, 1,3,5-TMB, 1,2,4-TMB |
| | | 8/14/2012 | | <54 | 540 | <40 | **520** | <0.500 | chloroform, 1,1-DCA, 1,1-DCE, 1,1,1-TCA |
| | | 12/7/2012 | | <13 | 230 | <9.9 | **33** | <0.500 | chloroform, 1,1-DCA, 1,1-DCE, 1,1,1-TCA |
| | | 12/10/2013 | | Probe was inaccessible due to tenant activities. | | | | | |
| | | 8/11/2014 | | <27 | 360 | <20 | **61** | <0.500 | chloroethane, chloroform, 1,1-DCA, 1,1-DCE, 1,1,1-TCA |

**Table C1**
**Analytical Results of Recent Soil Vapor Samples**
Former Velcon Filters San Jose, California

Concentrations in micrograms per cubic meter ($\mu g/m^3$)

| Sample ID | Sample Depth (ft bgs) | Date | Location | TCE | cis-1,2-DCE | trans-1,2-DCE | Vinyl Chloride | Methane ($\%_v$) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|
| | | | Commercial ESL [a] | 100 | 1,200 | 12,000 | 5 | NA [b] | Various |
| SV-3 | 10 | 3/16/2011 | 1761 | <8.0 | **1,200** | 8.5 | <3.8 | <1.50 | acetone, benzene, chloroform, 1,1,-DCA, 1,1,-DCE, ethybenzene, xylenes, toluene, 1,1,1-TCA, 1,3,5-TMB, 1,2,4-TMB |
| | | No sample- screen submerged in water | | | | | | | |
| SV-4 | 5 | 3/15/2011 | 1750 | **3,200** | **19,000** | 930 | **96** | <0.730 | chloroethane, 1,1-DCA, 1,1-DCE, Freon-11, 1,1,1-TCA |
| | | 5/4/2011 | | **10,000** | **68,000** | 2,100 | **140** | <0.840 | chloroethane, 1,1-DCA, 1,1-DCE, Freon-11, 1,1,1-TCA |
| | | 5/13/2011 | | **10,000** | **39,000** | 2,000 | **150** | <0.700 | chloroethane, 1,1-DCA, 1,1-DCE, Freon-11, 1,1,1-TCA |
| | | 6/18/2011 | | **14,000** | **56,000** | 2,700 | **170** | <0.745 | chloroethane, 1,1-DCA, 1,1-DCE, Freon-11, 1,1,1-TCA |
| | | 7/12/2011 | | **23,000** | **99,000** | 4,300 | **370** | <0.890 | chloroethane, 1,1-DCA, 1,1-DCE, Freon-11, 1,1,1-TCA |
| | | 9/15/2011 | | **15,000** | **72,000** | 2,700 | **470** | <0.845 | benzene, chloroethane, chloroform, 1,1-DCA, 1,1-DCE, toluene, Freon-11, 1,1,1-TCA |
| | | 10/28/2011 | | **18,000** | **78,000** | 3,000 | **300** | <0.500 | chloroethane, 1,1-DCA. 1.1-DCE. Freon-11, 1,1,1-TCA |
| | | 4/23/2012 | | **14,000** | **61,000** | 1,700 | **47,000** | **18.2** | benzene, chloroethane, chloroform, 1,1-DCA, 1,1-DCE, ethylbenzene, Freon-11,1,1,1-TCA |
| | | 6/19/2012 | | **19,000** | **110,000** | 2,600 | **90,000** | **13.6** | chloroethane, 1,1-DCA, 1,1-DCE, 1,1,1-TCA, |
| | | | | **18,000** | **100,000** | 3,100 | **99,000** | **13.8** | chloroethane, 1,1-DCA, 1,1-DCE, Freon-11, 1,1,1-TCA |
| | | 8/15/2012 | | **29,000** | **130,000** | 4,600 | **89,000** | **7.02** | 1,1-DCA, 1,1-DCE |
| | | 12/7/2012 | | **16,000** | **68,000** | 2,000 | **16,000** | <0.500 | chloroethane, 1,1-DCA, 1,1-DCE, Freon-11, 1,1,1-TCA |
| | | 12/10/2013 | | **11,000** | **50,000** | 2,300 | **50,000** | **34.4** | benzene, 1,1-DCA, 1,1,1-TCA, 1,1-DCE |
| | | | | **14,000** | **63,000** | 2,100 | **55,000** | **35.1** | chloroethane, 1,1-DCA, 1,1-DCE, 1,1,1-TCA |
| | | 8/11/2014 | | **27,000** | **110,000** | 5,600 | **160,000** | 3.04 | benzene, chloroethane, 1,1-DCA, 1,1-DCE, 1,1,1-TCA |
| | | | | **30,000** | **110,000** | 6,200 | **170,000** | 3.04 | benzene, chloroethane, 1,1-DCA, 1,1-DCE, 1,1,1-TCA |
| | 9.5 | 3/15/2011 | 1750 | **14,000** | **49,000** | 1,200 | **150** | <1.30 | 1,1-DCA, 1,1-DCE, Freon-11, 1,1,1-TCA |
| | | 5/4/2011 | | **54,000** | **200,000** | 3,300 | **270** | <4.48 | benzene, 1,1-DCA, 1,1-DCE |
| SV-5 | 5 | 3/16/2011 | 1761 | <4.0 | 4.1 | <2.9 | <1.9 | <0.740 | acetone, benzene, chloroform, ethybenzene, 4-ethyltoulune, xylenes, toluene, 1,3,5-TMB, 1,2,4-TMB |
| | | 5/3/2011 | | <4.4 | <3.3 | <3.3 | <2.1 | <0.820 | acetone, 2-butanone, chloromethane, ethylbenzene, 2-hexanone, xylenes, toluene, 1,2,4-trimethlybenzene |
| | | 5/12/2011 | | <3.8 | <2.8 | <2.8 | <1.8 | <0.715 | acetone, 1,3-DCB |
| | | 6/14/2011 | | <4.2 | <3.1 | <3.1 | <2.0 | <0.785 | acetone, chloromethane, 1,3-DCB, PCE |
| | | 7/12/2011 | | <4.4 | <3.3 | <3.3 | <2.1 | <0.825 | acetone, 1,3-DCB, PCE |
| | | 9/13/2011 | | <4.6 | <3.4 | <3.4 | **30** | <0.0171 | acetone, 1,3-DCB, PCE |
| | | 10/27/2011 | | <4.0 | <3.0 | <3.0 | <1.9 | <0.500 | acetone, PCE |
| | | 4/23/2012 | | <2.7 | <2.0 | <2.0 | <1.3 | <0.500 | acetone, chloromethane, CFC-12, toluene, Freon-11 |
| | | 6/18/2012 | | <2.7 | <2.0 | <2.0 | <1.3 | <0.500 | acetone, bromomethane, chloromethane, PCE |
| | | 8/14/2012 | | 9 | <2.0 | <2.0 | <1.3 | <0.500 | actone,PCE |
| | | 12/7/2012 | | <2.7 | <2.0 | <2.0 | <1.3 | <0.500 | acetone, 2-butanone, ethylbenzene, 4-ethyltoluene, xylenes, PCE, toluene, 1,2,4-TMB, 1,3,5-TMB, vinyl acetate |
| | | 12/10/2013 | | <2.7 | 3.1 | <2.0 | **220** | 2.05 | benzene, chloromethane, PCE |
| | | 8/12/2014 | | <3.7 | 2.9 | <2.7 | **6.7** | <0.500 | acetone |
| | 10 | 3/16/2011 | 1761 | <11 | <7.9 | <7.9 | <5.1 | <2.00 | acetone, benzene |
| | | No sample- screen submerged in water | | | | | | | |
| SV-6 | 5 | 3/15/2011 | 1761 | <3.7 | 3.8 | <2.7 | <1.8 | <0.690 | acetone, benzene, 2-butanone, carbon diisulfide, chloroform, chloromethane, ethybenzene, 4-ethytoluene, xylenes, toluene, 1,3,5-TMB, 1,2,4-TMB |
| | | 5/3/2011 | | <28 | <20 | <20 | <13 | <5.15 | acetone, benzene, 2-butanone, chlorobenzene, ethybenzene, 4-ethytoluene, 2-hexanone, xylenes, toluene, 1,2,4-TMB |
| | | 5/12/2011 | | <30 | <22 | <22 | <14 | <5.66 | acetone, benzene |
| | | 6/14/2011 | | <23 | <17 | <17 | <11 | <4.29 | acetone, benzene |
| | | 7/12/2011 | | <57 | <42 | <42 | **340** | <10.6 | acetone, chloromethane |
| | | 9/14/2011 | | <28 | <21 | <21 | <13 | <5.20 | acetone |
| | | 10/28/2011 | | <120 | <88 | <88 | <57 | <22.2 | acetone, 2-butanone |
| | | 4/23/2012 | | No sample- screen submerged in water | | | | | |
| | | 6/18/2012 | | No sample - well would not purge | | | | | |
| | | 8/15/2012 BL | | **480** | 2,200 | 77 | **2,400** | <0.500 | chloroethane, 1,1-DCA, 1,1-DCE, 1,1,1-TCA |
| | | 12/7/2012 | | Probe was inaccessible due to tenant activities. | | | | | |
| | | 12/10/2013 | | <2.7 | <2.0 | <2.0 | <1.3 | <0.500 | acetone, 1,1,1-TCA |
| | | 8/12/2014 | | 6.1 | 12 | <2.7 | **5.8** | <0.500 | acetone, 2-butanone, chloromethane, PCE, toluene, 1,1,1-TCA |
| | 10 | 3/15/2011 | 1761 | <11 | <8.4 | <8.4 | <57 | <2.12 | acetone, benzene, carbon diisulfide, chloroform, 1,1-DCE, ethybenzene, 4-ethytoluene, xylenes, toluene, 1,3,5-TMB, 1,2,4-TMB |
| | | 5/3/2011 | | <14 | <11 | <11 | <6.9 | <2.70 | acetone, benzene, 2-butanone, chlorobenzene, 1,3-DCB, ethybenzene, 4-ethytoluene, xylenes, toluene, styrene, 1,3,5-TMB, 1,2,4-TMB |
| | | 9/14/2011 | | <23 | <17 | <17 | <11 | <4.20 | acetone |

**Table C1**
**Analytical Results of Recent Soil Vapor Samples**
Former Velcon Filters San Jose, California

Concentrations in micrograms per cubic meter (µg/m$^3$)

| Sample ID | Sample Depth (ft bgs) | Date | Location | TCE | cis-1,2-DCE | trans-1,2-DCE | Vinyl Chloride | Methane (%$_v$) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Commercial ESL [a]** | **100** | **1,200** | **12,000** | **5** | **NA [b]** | Various |
| SV-7 | 5 | 3/15/2011 | 1761 | <45 | 1,100 | 37 | <21 | -- | acetone, chloroform, 1,1-DCA, 1,1-DCE, toluene, 1,1,1-TCA |
| | | 5/4/2011 | | 47 | 1,100 | 62 | <2.2 | <0.855 | acetone, benzene, 2-butanone, chloroethane, chloroform, 1,1-DCA, 1,1-DCE, xylenes, PCE, toluene, Freon-11, 1,1,1-TCA, 1,1,2-TCA, 1,3,5-trimethlybenzne, 1,2,4-trimethlybenzene |
| | | 5/12/2011 | | <49 | **1,700** | 76 | <23 | <0.905 | acetone, chloroform, 1,1-DCA, 1,1-DCE, 1,1,1-TCA |
| | | 6/15/2011 | | <62 | **2,300** | 89 | <29 | <0.720 | chloroform, 1,1-DCA, 1,1-DCE, PCE, 1,1,1-TCA |
| | | 7/12/2011 | | <70 | **3,100** | 130 | <33 | <0.820 | chloroform, 1,1-DCA, 1,1-DCE, PCE, 1,1,1-TCA |
| | | 9/15/2011 | | 65 | **3,300** | 110 | <0.0100 | <.0500 | acetone,benzene, chloroethane,chloroform, chloromethane, CFC-12, 1,1-DCA, 1,1-DCE, PCE, Freon-11, 1,1,1-TCA, 1,1,2-TCA |
| | | 10/28/2011 | | <65 | **2,800** | 100 | <31 | <0.500 | chloroform, 1,1-DCA, 1,1-DCE, PCE, 1,1,1-TCA |
| | | 4/23/2012 | | 44 | **1,800** | 31 | **170** | <0.500 | benzene, 2-butanone, chloroethane, chloroform, 1,1-DCA, 1,1-DCE, 1,2-DCA, ethylbenzene, PCE, Freon-11, CFC-113, 1,1,1-TCA, 1,1,2-TCA |
| | | 6/18/2012 | | 76 | **2,300** | 110 | **19** | <0.500 | acetone, benzene, bromoform, chloroethane, cloroform, cloromethane, CFC-12, 1,1-DCE, 1,1-DCA, PCE, Freon-11, 1,1,1-TCA, 1,1,2-TCA |
| | | 8/15/2012 | | 93 | **4,300** | 170 | <32 | <0.500 | chloroform, 1,1-DCA, 1,1-DCE, PCE, 1,1,1-TCA |
| | | 12/10/2013 | | 47 | **1,800** | 31 | **5,900** | 3.06 | chloroform, PCE, 1,1-DCA, 1,1-DCE, 1,1,1-TCA |
| | | 8/11/2014 | | 51 | **2,600** | 27 | **16** | <0.500 | chloroform, 1,1-DCA, 1,1-DCE, PCE, 1,1,1-TCA |
| | 10 | 3/15/2011 | 1761 | **140** | **13,000** | 100 | <50 | <3.89 | acetone, chloroform, 1,1-DCA, 1,1-DCE, toluene, 1,1,1-TCA |
| | | 5/4/2011 | | **260** | **19,000** | 170 | <110 | <4.12 | acetone, benzene, 1,1-DCA, 1,1-DCE, 1,1,1-TCA, |

**Abbreviations:**
%v =percent by volume
< = Indicates constituent not detected above stated laboratory method detection limits.
1750 = 1750 Rogers Avenue
1759 = 1759 Junction Avenue
1761 = 1761 Junction Avenue
BL = Helium concentrations in sample imply that leakage occurred during sample collection. Constituent concentrations presumed to be biased low due to dilution from leaked ambient air.
ESL = Environmental Screening Level
ft bgs = feet below ground surface
NA = Not available or not applicable
Offsite = areas outside of 1750 Rogers Avenue and 1759 and 1761 Junction Avenue

1,1,1-TCA = 1,1,1-Trichloroethane
1,1,2-TCA = 1,1,2-Trichloroethane
1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
1,2,4-TMB = 1,2,4-Trimethlybenzne
1,2-DCA = 1,2-Dichloroethane
1,2-DCP = Dichloropropane
1,3,5-TMB = 1,3,5-Trimethlybenzne
1,3-DCB = 1,3-Dichlorobenzene
BDCM = Bromodichloromethane
c-1,2-DCE = cis-1,2-Dichloroethene
CDBM = Dicbromochloromethane
CFC-113 = 1,1,2-Trichloro-1,2,2-trifluoroethane
CFC-12 = Dichlorodifluoromethane
Freon-11 = Trichlorofluoromethane
PCE = Tetrachloroethene
t-1,2-DCE = trans-1,2-Dichloroethene
TCE = Trichloroethene

**Notes:**
Bold font indicates that the detected concentration exceeds the commercial ESLs or respective trigger level.
[a] Soil Gas Commercial ESLs from the January 2019 San Francisco Bay Regional Water Quality Control Board ESL Workbook Table SG-1 Subslab Soil Gas and Exterior Soil Gas Vapor Intrusion Human Health Risk Screening Levels
[b] Trigger level for methane is 5%

**Table C2**
**Halogenated Volatile Organic Compounds in Sub-Slab Vapor and Indoor Air Samples**
**(concentrations in ug/m3)**
**1761 Junction Avenue**
Former Velcon Filters, San Jose, California

| Sample ID | Date | VC | t-1,2-DCE | 1,1-DCA | c-1,2-DCE | 1,2-DCA | 1,1,1-TCA | 1,1-DFA | Benzene | 1,1,2-TCA | Toluene | TCE | PCE | MEB | p/m-Xylene | o-Xylene | NP (TO-17) | TPH-g (C6-C12) | TPH-j (JP4 Range) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OA-1 | 4/4/2012 | 0.013 J | 0.019 J | 0.023 J | 0.017 J | 0.090 J | 0.073 J | 0.14 | **0.56** | 0.032 J | 3.0 | 0.081 B,J | 0.13 J | 0.67 | 2.4 | 0.67 | 0.053 | -- | <100 |
| IA-1 | 4/4/2012 | 0.014 J | 0.031 J | 0.022 J | 0.029 J | 0.12 | 0.064 J | 0.13 | **1.5** | 0.029 J | 7.7 | 0.73 B | 0.14 J | 1.6 | 6.0 | 2.1 | 0.17 | -- | 170 |
| IA-2 | 4/4/2012 | 0.011 J | 0.028 J | 0.022 J | 0.025 J | 0.11 | 0.066 J | 0.13 | **1.2** | 0.028 J | 5.7 | 0.59 B | 0.13 J | 1.2 | 4.4 | 1.5 | 0.14 | -- | 150 |
| IA-3 | 4/4/2012 | 0.013 J | 0.030 J | 0.022 J | 0.023 J | 0.11 | 0.067 | 0.14 | **1.5** | 0.031 J | 7.0 | 0.64 B | 0.12 J | 1.4 | 5.3 | 1.9 | 0.22 | -- | 270 |
| IA-4 | 4/4/2012 | 0.013 J | 0.023 J | 0.021 J | 0.017 J | 0.11 | 0.064 J | 0.14 | **1.2** | 0.028 J | 4.8 | 0.10 B,J | 0.11 J | 0.88 | 3.2 | 0.97 | 0.078 | -- | <120 |
| IA-5 | 4/4/2012 | 0.014 J | 0.029 J | 0.022 J | 0.019 J | 0.12 | 0.068 J | 0.19 | **1.6** | 0.029 J | 6.6 | 0.12 B,J | 0.15 J | 1.2 | 4.1 | 1.3 | 0.16 | -- | 180 |
| | 4/4/2012 - Dup | 0.014 J | 0.029 J | 0.022 J | 0.019 J | 0.13 | 0.082 J | 0.16 | **2.2** | 0.035 J | 8.9 | 0.15 B | 0.16 J | 1.5 | 5.2 | 1.7 | -- | -- | -- |
| **Indoor Air Commercial/Industrial ESL[(1)]** | | **0.16** | **350** | **7.7** | **35** | **0.47** | **4,400** | **--** | **0.42** | **0.77** | **1,300** | **3** | **2** | **4.9** | **440** | **440** | **0.36** | **2,500** | **1,400** |
| SS-1 | 4/4/2012 | 0.023 J | 28 | 0.11 | 19 | 0.024 J | 0.55 | 0.12 | 1.1 | 0.034 J | 0.7 | **2,600 B** | 17 | 0.17 | 0.56 | 0.18 | <0.56 | 4500 J | 2,300 |
| SS-2 | 4/4/2012 | 0.024 J | 12 | 0.079 J | 2.3 | 0.031 J | 1.1 | 0.18 | 1.5 | 0.041 J | 1.5 | **500 B** | 5.1 | 0.37 | 1.5 | 0.53 | <0.54 | 3,400 J | 2,000 |
| SS-3 | 4/4/2012 | 0.021 J | <0.015 | <0.015 | 0.90 | <0.015 | 0.058 J | 0.21 | 1.3 | <0.022 | 0.96 | 6.0 B | 1.2 | 1.2 | 3.5 | 0.91 | 0.90 | <1,200 | 2,500 |
| SS-3 (Dup-1) | 4/4/2012 | <0.014 | <0.015 | <0.015 | 0.048 J | <0.015 | 0.050 J | 0.12 | 1.1 | <0.022 | 1.1 | 0.99 B | 0.36 | 0.23 | 0.89 | 0.40 | -- | 3000 J | -- |
| SS-4 | 4/4/2012 | 0.027 J | 0.039 J | 0.037 J | 0.16 | 0.030 J | 0.094 J | 0.78 | 0.60 | 0.042 J | 0.66 | 3.1 B | 0.22 J | 0.16 | 0.52 | 0.19 | <0.56 | <1,200 | <1,100 |
| **Sub-Slab Commercial/Industrial ESL[(1)]** | | **5.2** | **12,000** | **260** | **1,200** | **16** | **150,000** | **--** | **14** | **26** | **44,000** | **100** | **67** | **160** | **15,000** | **15,000** | **12** | **83,000** | **46,000** |

**Abbreviations:**
-- = not analyzed/applicable
< = Indicates constituent not detected above stated laboratory method detection limits.
B = Analyte was present in the associated method blank.
ESL = Environmental Screening Level
J = Estimated Value. Concentration detected was between the reporting limit and the minimum detection limit (MDL).
v/v =Volume/volume

1,1,1-TCA = 1,1,1-Trichloroethane
1,1,2-TCA = 1,1,2-Trichloroethane
1,1-DCA = 1,1-Dichloroethane
1,1-DFA = 1,1-Difluoroethane
1,2-DCA = 1,2-Dichloroethane
c-1,2-DCE = cis-1,2-Dichloroethene
CH4 = Methane
MEB = Ethylbenzene
NP = Napthalene
PCE = Tetrachloroethene
t-1,2-DCE = trans-1,2-Dichloroethene
TCE = Trichloroethene
TPH-j = Total Petroleum Hydrocarbons as jet fuel
VC = Vinyl Chloride

**Notes:**
Bold font indicates that the detected concentration exceeds the commercial ESL.
1) Indoor Air Commercial ESLs from the January 2019 San Francisco Bay Regional Water Quality Control Board ESL Workbook Table IA-1 Indoor Air Direct Exposure Human Health Risk Screening Levels

**Table C3**
**Halogenated Volatile Organic Compounds in Sub-Slab Vapor and Indoor Air Samples**
**(concentrations in ug/m$^3$)**
**1750 Rogers Avenue**
Former Velcon Filters, San Jose, California

| Sample ID | Date Sampled | Vinyl Chloride | trans-1,2-DCE | 1,1-DCA | cis-1,2-DCE | 1,1,1-TCA | 1,2-DCA | TCE | PCE | 1,1,2-TCA |
|---|---|---|---|---|---|---|---|---|---|---|
| **Outdoor Ambient Air** | | | | | | | | | | |
| A-1 | 7/14/2017 | <0.00366 | 0.0317 | <0.00498 | <0.00404 | 0.0273 | 0.0729 | <0.0112 | 0.190 | <0.00322 |
| A-1 | 12/29/2017 | <0.00366 | 0.158 | <0.00498 | 0.0475 | 0.104 | 0.0891 | 0.537 | **4.14** | 0.213 |
| | | | | | | | | | | |
| A-2 | 7/14/2017 | <0.00366 | 0.0594 | <0.00498 | <0.00404 | <0.00819 | 0.0729 | 0.0913 | 0.603 | <0.00322 |
| A-2 | 12/29/2017 | <0.00366 | 0.162 | <0.00498 | 0.0198 | 0.109 | 0.0729 | 0.258 | **4.28** | 0.644 |
| | | | | | | | | | | |
| A-3 | 7/14/2017 | <0.00915 | 0.0297 | <0.0125 | 0.0495 | 0.0273 | 0.0709 | 0.255 | 0.576 | 0.0546 |
| A-3 | 12/29/2017 | <0.00366 | 0.131 | <0.00498 | <0.00404 | 0.109 | 0.0729 | 0.306 | **3.25** | 0.431 |
| **Indoor Air** | | | | | | | | | | |
| IA-1 | 7/14/2017 | <0.0183 | <0.0186 | 0.324 | 5.13 | 0.410 | **9.19** | **15.7** | 0.509 | **1.83** |
| IA-1R[3] | 10/16/2017 | <0.00366 | 0.0752 | 0.0203 | 0.863 | 0.0819 | 0.0851 | 2.84 | 0.190 | **0.803** |
| IA-1 | 12/29/2017 | <0.00366 | 0.384 | <0.00498 | 0.535 | 0.0874 | 0.0729 | 2.31 | 1.38 | 0.715 |
| | | | | | | | | | | |
| IA-2 | 7/14/2017 | <0.00366 | 0.0515 | <0.00498 | 0.317 | 0.0655 | 0.0810 | 1.34 | 0.231 | 0.158 |
| IA-2R[3] | 10/16/2017 | <0.00366 | 0.0475 | 0.0932 | 0.408 | 0.0601 | 0.0689 | 1.84 | 0.176 | 0.617 |
| IA-2R DUP[3] | 10/16/2017 | <0.00366 | 0.0594 | 0.113 | 0.685 | 0.0655 | 0.0810 | 2.04 | 0.285 | 0.590 |
| IA-2 | 12/29/2017 | <0.00366 | 0.273 | <0.00498 | 0.214 | 0.0983 | 0.0810 | 1.68 | 2.01 | 0.513 |
| | | | | | | | | | | |
| IA-3 | 7/14/2017 | <0.00366 | 0.0673 | <0.00498 | 1.14 | 0.0655 | 0.105 | 2.23 | 0.366 | 0.284 |
| IA-3R[3] | 10/16/2017 | <0.00366 | 0.0396 | 0.122 | 0.495 | 0.0601 | 0.0729 | 1.57 | 0.224 | 0.535 |
| IA-3 | 12/29/2017 | <0.00366 | 0.277 | <0.00498 | 0.230 | 0.0983 | 0.0729 | 1.36 | 1.93 | 0.486 |
| | | | | | | | | | | |
| IA-4 | 7/14/2017 | <0.00366 | 0.0475 | 0.0446 | 0.123 | 0.0437 | 0.0932 | 0.950 | 0.197 | **6.74** |
| IA-4 | 12/29/2017 | <0.00366 | 0.285 | <0.00498 | 0.162 | 0.0874 | 0.0648 | 1.36 | 1.97 | **2.45** |
| | | | | | | | | | | |
| IA-5 | 7/14/2017 | <0.00366 | 0.0238 | <0.00498 | 3.27 | 0.0437 | 0.130 | 1.06 | 0.264 | **0.879** |
| IA-5 | 12/29/2017 | <0.00366 | 0.337 | <0.00498 | 0.182 | 0.0928 | 0.0689 | 1.43 | 1.77 | **1.20** |
| | | | | | | | | | | |
| IA-6 | 7/14/2017 | <0.00366 | 0.0436 | <0.00498 | 0.440 | 0.0655 | 0.130 | 2.50 | 0.190 | **0.786** |
| IA-6 | 12/29/2017 | <0.00366 | 0.0515 | <0.00498 | 0.0277 | 0.0546 | 0.0486 | 0.145 | 0.203 | 0.0819 |
| | | | | | | | | | | |
| IA-7 | 7/14/2017 | <0.00366 | 0.0752 | <0.00498 | 0.756 | 0.0655 | 0.190 | 1.54 | 0.231 | 0.420 |
| IA-7 | 12/29/2017 | <0.00366 | 0.372 | <0.00498 | 0.107 | 0.0983 | 0.0851 | 0.865 | 1.60 | 0.683 |
| | | | | | | | | | | |
| IA-8 | 7/14/2017 | <0.00366 | 0.0317 | <0.00498 | 0.832 | 0.0437 | 0.105 | 0.714 | 0.156 | 0.448 |
| IA-8 | 12/29/2017 | <0.00366 | 0.257 | <0.00498 | 0.0990 | 0.0382 | 0.0567 | 0.150 | <0.0257 | <0.00322 |
| | | | | | | | | | | |
| IA-9 | 7/14/2017 | <0.00366 | 0.0317 | 0.0486 | 0.178 | 0.0437 | 0.113 | 0.752 | 0.197 | **1.15** |
| IA-9 | 12/29/2017 | <0.00366 | 0.277 | <0.00498 | 0.131 | 0.0874 | 0.0648 | 1.23 | **2.27** | **1.65** |
| | | | | | | | | | | |
| IA-10 | 7/14/2017 | <0.00366 | 0.0356 | <0.00498 | 0.0673 | 0.0382 | 0.174 | 0.467 | 0.183 | 0.251 |
| IA-10 | 12/29/2017 | 0.0128 | 0.368 | <0.00498 | 0.115 | 0.0928 | 0.0729 | 0.881 | 1.50 | 0.644 |
| | | | | | | | | | | |
| IA-11 | 7/14/2017 | <0.00366 | 0.0238 | <0.00498 | 0.942 | 0.0655 | 0.142 | 1.39 | 0.312 | 0.453 |
| IA-11R[3] | 10/16/2017 | <0.00366 | 0.0238 | <0.00498 | 0.127 | 0.0546 | 0.0729 | 0.693 | 0.156 | 0.601 |
| IA-11 | 12/29/2017 | <0.00366 | 0.352 | <0.00498 | 0.131 | 0.0764 | 0.0770 | 0.929 | 1.44 | 0.622 |
| | | | | | | | | | | |
| IA-12 | 7/14/2017 | **0.192** | 0.0792 | 1.84 | 3.54 | 0.0546 | 0.446 | 1.64 | 0.644 | 0.491 |
| IA-12 | 12/29/2017 | <0.00366 | 0.368 | <0.00498 | 0.0911 | 0.0983 | 0.0972 | 0.618 | 1.23 | 0.508 |
| | | | | | | | | | | |
| IA-13 | 7/14/2017 | <0.0183 | 0.0990 | 0.365 | 9.27 | 0.191 | 0.425 | 0.483 | 0.475 | **19.8** |
| IA-13 | 12/29/2017 | <0.00366 | 0.3250 | <0.00498 | 0.158 | 0.0819 | 0.0729 | 0.897 | 1.49 | 0.557 |
| | | | | | | | | | | |
| IA-14 | 7/14/2017 | <0.00366 | 0.1430 | 0.0527 | <0.00404 | 0.0764 | 0.109 | 1.26 | **15.7** | 0.573 |
| IA-14 | 12/29/2017 | <0.00366 | 0.253 | <0.00498 | 0.143 | 0.0874 | 0.0689 | 0.918 | 1.64 | 0.590 |
| | | | | | | | | | | |
| IA-15[3] | 10/16/2017 | <0.00366 | 0.0277 | <0.00498 | 0.238 | 0.0655 | 0.0729 | 1.22 | 0.163 | 0.628 |
| **Indoor Air Commercial/Industrial ESL[(1)]** | | **0.16** | **350** | **7.7** | **35** | **4,400** | **0.47** | **3** | **2** | **0.77** |
| **Sub-Slab Vapor** | | | | | | | | | | |
| SS-1 | 7/14/2017 | <23 | <48 | <54 | <83 | 390 | <42 | **15,000** | <150 | <58 |
| SS-1 | 12/28/2017 | <11 | <24 | 34 | <42 | 140 | <21 | **4,600** | <73 | <29 |
| | | | | | | | | | | |
| SS-2 | 7/14/2017 | <5.6 | <12 | <14 | <21 | <20 | <11 | **3,500** | <36 | <15 |
| SS-2 | 12/28/2017 | <90 | <190 | <220 | <330 | <320 | <170 | **50,000** | <580 | <230 |
| SS-2/DUP-1 | 12/28/2017 | <90 | <190 | <220 | <330 | <320 | <170 | **48,000** | <580 | <230 |
| | | | | | | | | | | |
| SS-3 | 7/14/2017 | <11 | <24 | <27 | <42 | <40 | <21 | **11,000** | <73 | <29 |
| SS-3 | 12/28/2017 | <90 | <190 | <220 | <330 | <320 | <170 | **46,000** | <580 | <230 |
| | | | | | | | | | | |
| SS-4 | 7/13/2017 | <23 | <48 | <54 | <83 | <79 | <42 | **12,000** | <150 | <58 |
| SS-4 | 12/28/2017 | <1.1 | <2.4 | <2.7 | <4.2 | <4.0 | <2.1 | **650** | <7.3 | <2.9 |

**Table C3**
**Halogenated Volatile Organic Compounds in Sub-Slab Vapor and Indoor Air Samples**
**(concentrations in ug/m$^3$)**
**1750 Rogers Avenue**
Former Velcon Filters, San Jose, California

| Sample ID | Date Sampled | Vinyl Chloride | trans-1,2-DCE | 1,1-DCA | cis-1,2-DCE | 1,1,1-TCA | 1,2-DCA | TCE | PCE | 1,1,2-TCA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| SS-5 | 7/13/2017 | <230 | <480 | <540 | <830 | <790 | <420 | **130,000** | <1,500 | <580 |
| SS-5 | 12/28/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | **130** | <1.5 | <0.58 |
| | | | | | | | | | | |
| SS-6 | 7/13/2017 | <45 | <95 | <110 | <170 | <160 | <84 | **52,000** | <290 | <120 |
| SS-6 | 12/28/2017 | <5.6 | <12 | <14 | <21 | 28 | <11 | **3,600** | <36 | <15 |
| | | | | | | | | | | |
| SS-7 | 7/14/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | <0.81 | <1.5 | <0.58 |
| SS-7 | 12/28/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | 4.6 | <1.5 | <0.58 |
| | | | | | | | | | | |
| SS-8 | 7/13/2017 | <0.23 | <0.48 | <0.54 | <0.83 | 310 | <0.42 | 80 | <1.5 | <0.58 |
| SS-8 | 12/28/2017 | <0.23 | <0.48 | <0.54 | <0.83 | 67 | <0.42 | 13 | <1.5 | <0.58 |
| | | | | | | | | | | |
| SS-9 | 7/13/2017 | <0.23 | <0.48 | <0.54 | <0.83 | 100 | <0.42 | <0.81 | <1.5 | <0.58 |
| SS-9 | 12/28/2017 | <0.23 | <0.48 | <0.54 | <0.83 | 14 | <0.42 | <0.81 | <1.5 | <0.58 |
| | | | | | | | | | | |
| SS-10 | 7/14/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | 4.1 | <1.5 | <0.58 |
| SS-10/DUP-2 | 7/14/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | <0.81 | <1.5 | <0.58 |
| SS-10 | 12/28/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | 3.5 | <1.5 | <0.58 |
| | | | | | | | | | | |
| SS-11 | 7/13/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | <0.81 | <1.5 | <0.58 |
| SS-11/DUP-1 | 7/13/2017 | <0.23 | <0.48 | <0.83[(2)] | <0.83 | 26 | <0.42 | 4.5 | <1.5 | <0.58 |
| SS-11 | 12/28/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | <0.81 | 6.8 | <0.58 |
| | | | | | | | | | | |
| SS-12 | 7/14/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | <0.81 | <1.5 | <0.58 |
| SS-12 Shroud | 7/14/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | <0.81 | <1.5 | <0.58 |
| SS-12 | 12/28/2017 | <0.23 | <0.48 | <0.54 | <0.83 | 3.9 | <0.42 | <0.81 | <1.5 | <0.58 |
| | | | | | | | | | | |
| SS-13 | 7/14/2017 | <0.23 | <0.48 | <0.54 | <0.83 | 110 | <0.42 | 75 | 14 | <0.58 |
| SS-13 | 12/28/2017 | <0.23 | <0.48 | <0.54 | <0.83 | 36 | <0.42 | 17 | 3.5 | <0.58 |
| | | | | | | | | | | |
| SS-14 | 7/14/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | <0.81 | <1.5 | <0.58 |
| SS-14 | 12/28/2017 | <0.23 | <0.48 | <0.54 | <0.83 | <0.79 | <0.42 | 2.9 | <1.5 | <0.58 |
| **Sub-Slab Commercial/Industrial ESL[(1)]** | | **5.2** | **12,000** | **260** | **1,200** | **150,000** | **16** | **100** | **67** | **26** |

Notes:

(1) San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESL), Commercial/Industrial, January 2019

(2) Lab analyzed as 1,1-DCE, not 1,1-DCA

(3) Sampled during separate mobilization on October 16, 2017 to confirm accuracy of July 2017 results.

µg/m3 = micrograms per cubic meter

< = Not detected at or above the method detection (MDL) limit shown

**Bold** = Detected at or above ESL.

DUP = Duplicate sample

DCA = Dichloroethane
DCE =Dichloroethylene
PCE =Tetrachloroethene
TCA =1,1,2-Trichloroethane
TCE =Trichloroethene

**Table C4**
**Historical Soil Analytical Results (mg/kg)**
Former Velcon Filters, San Jose, California

| Sample ID | Depth (ft bgs) | Date Sampled | Location | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis- 1,2-DCE | Total 1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | PCE | 1,1,1-TCA | Chloroform | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***1992*** | | | | | | | | | | | | | | | |
| T1 | 2 | 11/12/1992 | 1759 | <0.050 | <0.015 | <0.015 | **0.170** | **--** | <0.015 | **1.4** | <0.015 | <0.015 | <0.015 | <0.015 | **1.57** |
| T2 | 2.5 | 11/12/1992 | 1759 | <0.050 | <0.015 | <0.015 | <0.015 | -- | <0.015 | **1.3** | <0.015 | <0.015 | <0.015 | <0.015 | **1.3** |
| T3 | 2.5 | 11/12/1992 | 1759 | <0.050 | <0.015 | <0.015 | **0.017** | -- | <0.015 | **1.4** | <0.015 | <0.015 | <0.015 | <0.015 | **1.417** |
| T4 | 2.5 | 11/12/1992 | 1759 | <0.500 | <0.150 | <0.150 | <0.150 | -- | <0.150 | **4.7** | <0.150 | <0.150 | <0.150 | <0.150 | **4.7** |
| | 5.5 | 11/12/1992 | | <0.500 | <0.150 | <0.150 | <0.150 | -- | <0.150 | **52** | <0.150 | **0.390** | <0.150 | <0.150 | **52.39** |
| | 8.5 | 11/13/1992 | | <0.500 | <0.150 | <0.150 | <0.150 | -- | <0.150 | **7.7** | <0.150 | <0.150 | <0.150 | <0.150 | **7.7** |
| | 11.5 | 11/13/1992 | | <0.500 | <0.150 | <0.150 | <0.150 | -- | <0.150 | **6.1** | <0.150 | <0.150 | <0.150 | <0.150 | **6.1** |
| T5 | 2.5 | 11/12/1992 | 1759 | <0.050 | <0.015 | <0.015 | **0.051** | -- | <0.015 | **2.5** | <0.015 | <0.015 | <0.015 | <0.015 | **2.551** |
| T6 | 2.5 | 11/13/1992 | 1759 | <0.050 | <0.015 | <0.015 | **0.160** | **--** | <0.015 | **0.690** | <0.015 | <0.015 | <0.015 | <0.015 | **0.85** |
| | 5.5 | 11/13/1992 | | <0.050 | <0.015 | <0.015 | **0.150** | **--** | <0.015 | **0.350** | <0.015 | <0.015 | <0.015 | <0.015 | **0.500** |
| | 8.5 | 11/13/1992 | | <0.050 | <0.015 | <0.015 | **0.095** | **--** | <0.015 | **0.270** | <0.015 | <0.015 | <0.015 | <0.015 | **0.365** |
| | 11.5 | 11/13/1992 | | <0.050 | <0.015 | <0.015 | **0.150** | **--** | <0.015 | **0.340** | <0.015 | <0.015 | <0.015 | <0.015 | **0.490** |
| T7 | 2.5 | 11/12/1992 | 1759 | <0.050 | <0.015 | <0.015 | **0.032** | -- | <0.015 | **0.810** | <0.015 | <0.015 | <0.015 | <0.015 | **0.842** |
| T8 | 2.5 | 11/12/1992 | 1759 | <0.100 | <0.030 | <0.030 | <0.030 | **--** | <0.030 | **2.0** | <0.030 | <0.030 | <0.030 | <0.030 | **2** |
| T9 | 3 | 11/12/1992 | 1759 | <0.050 | <0.015 | <0.015 | **0.032** | **--** | <0.015 | **1.4** | <0.015 | <0.015 | <0.015 | <0.015 | **1.432** |
| T10 | 2.5 | 11/12/1992 | 1759 | <0.050 | <0.015 | <0.015 | **0.065** | **--** | <0.015 | **0.190** | <0.015 | <0.015 | <0.015 | <0.015 | **0.255** |
| T11 | 2 | 11/12/1992 | 1759 | <0.050 | <0.015 | <0.015 | **0.095** | **--** | <0.015 | **0.930** | <0.015 | <0.015 | <0.015 | <0.015 | **1.025** |
| T12 | 2 | 11/12/1992 | 1759 | <0.050 | <0.015 | <0.015 | <0.015 | **--** | <0.015 | **0.510** | <0.015 | <0.015 | <0.015 | <0.015 | **0.51** |
| T13 | 2 | 11/12/1992 | 1759 | <0.050 | <0.015 | <0.015 | <0.015 | **--** | <0.015 | **0.160** | <0.015 | <0.015 | <0.015 | <0.015 | **0.16** |
| T14 | 2.5 | 11/12/1992 | 1750 | <0.050 | <0.015 | <0.015 | **0.180** | **--** | <0.015 | **0.440** | <0.015 | <0.015 | **0.033** | <0.015 | **0.653** |
| T15 | 2 | 11/13/1992 | 1750 | <0.050 | <0.015 | <0.015 | **0.055** | **--** | <0.015 | **3.8** | <0.015 | <0.015 | <0.015 | <0.015 | **3.855** |
| T16 | 2 | 11/13/1992 | 1750 | <0.050 | <0.015 | <0.015 | <0.015 | **--** | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | ND |
| T17 | 2.5 | 11/13/1992 | 1750 | <0.050 | <0.015 | <0.015 | <0.015 | **--** | <0.015 | **0.045** | <0.015 | <0.015 | <0.015 | <0.015 | **0.045** |
| T18 | 2 | 11/13/1992 | 1750 | <0.050 | <0.015 | <0.015 | <0.015 | **--** | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | ND |
| V1-1 | 2 | 11/13/1992 | 1750 | <0.050 | <0.015 | <0.015 | <0.015 | **--** | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | ND |
| V1-2 | 2 | 11/13/1992 | 1750 | <0.050 | <0.015 | <0.015 | <0.015 | **--** | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | ND |
| V1-3 | 2.5 | 11/13/1992 | 1761 | <0.050 | <0.015 | <0.015 | <0.015 | **--** | <0.015 | **0.019** | <0.015 | **0.056** | **0.029** | <0.015 | **0.104** |
| V1-4 | 2 | 11/13/1992 | 1750 | <0.050 | <0.015 | <0.015 | <0.015 | **--** | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | ND |
| V1-5 | 2.5 | 11/13/1992 | 1761 | <0.050 | <0.015 | <0.015 | **0.034** | **--** | <0.015 | **0.140** | <0.015 | <0.015 | <0.015 | <0.015 | **0.174** |
| ***1993*** | | | | | | | | | | | | | | | |
| V2-1 | 2 | 1/27/1993 | 1761 | <0.005 | <0.005 | -- | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| V2-2 | 2 | 1/27/1993 | 1761 | <0.005 | <0.005 | -- | -- | **0.260** | <0.005 | **0.092** | <0.005 | <0.005 | <0.005 | <0.005 | **0.352** |
| | 5 | 1/27/1993 | | <0.005 | <0.005 | -- | -- | **0.051** | <0.005 | **0.030** | <0.005 | <0.005 | <0.005 | <0.005 | **0.081** |
| | 8.5 | 1/27/1993 | | <0.005 | <0.005 | -- | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 11 | 1/27/1993 | | <0.005 | <0.005 | -- | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| V2-3 | 2 | 1/27/1993 | 1761 | <0.005 | <0.005 | -- | -- | **1.20** | <0.005 | **0.83** | <0.005 | <0.005 | <0.005 | <0.005 | **2.03** |
| V2-4 | 2 | 1/27/1993 | 1761 | <0.005 | <0.005 | -- | -- | **0.021** | <0.005 | **0.200** | <0.005 | <0.005 | <0.005 | <0.005 | **0.221** |
| V2-5 | 2 | 1/27/1993 | 1761 | <0.005 | <0.005 | -- | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| V2-6 | 2 | 1/27/1993 | 1761 | <0.005 | <0.005 | -- | -- | **0.120** | <0.005 | **0.089** | <0.005 | <0.005 | <0.005 | <0.005 | **0.209** |
| V2-7 | 2 | 1/27/1993 | 1761 | <0.005 | <0.005 | -- | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| V2-8 | 2 | 1/27/1993 | 1761 | <0.005 | <0.005 | -- | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| V2-9 | 2 | 1/27/1993 | 1761 | <0.005 | <0.005 | -- | -- | **0.120** | <0.005 | **0.051** | <0.005 | <0.005 | <0.005 | <0.005 | **0.171** |

**Table C4**
**Historical Soil Analytical Results (mg/kg)**
Former Velcon Filters, San Jose, California

| Sample ID | Depth (ft bgs) | Date Sampled | Location | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis- 1,2-DCE | Total 1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | PCE | 1,1,1-TCA | Chloroform | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V2-10 | 2 | 1/27/1993 | 1761 | <0.005 | <0.005 | -- | -- | <0.005 | <0.005 | **0.005** | <0.005 | <0.005 | <0.005 | <0.005 | **0.005** |
| | 5 | 1/27/1993 | | <0.005 | <0.005 | -- | -- | <0.005 | <0.005 | **0.099** | <0.005 | <0.005 | <0.005 | <0.005 | **0.099** |
| | 8 | 1/27/1993 | | <0.005 | <0.005 | -- | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10.5 | 1/27/1993 | | <0.005 | <0.005 | -- | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| VF2 | 6 | 7/6/1993 | 1750 | <0.012 | <0.012 | <0.012 | NA | -- | <0.012 | **0.220** | <0.012 | <0.012 | <0.012 | <0.012 | **0.220** |
| | 8.5 | 7/6/1993 | | <0.012 | <0.012 | <0.012 | NA | -- | <0.012 | **0.540** | <0.012 | <0.012 | <0.012 | <0.012 | **0.540** |
| | 30 | 6/25/1993 | | <0.012 | <0.012 | <0.012 | NA | -- | <0.012 | **0.790** | <0.012 | <0.012 | **0.059** | <0.012 | **0.849** |
| SB-1 | 4 | 10/15/1993 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.130** | <0.005 | <0.005 | <0.005 | <0.005 | **0.130** |
| | 10 | 10/15/1993 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.041** | <0.005 | <0.005 | <0.005 | <0.005 | **0.041** |
| SB-2 | 4 | 10/15/1993 | 1750 | <0.005 | <0.005 | <0.005 | **0.09** | -- | <0.005 | **0.260** | <0.005 | <0.005 | <0.005 | <0.005 | **0.350** |
| | 10 | 10/15/1993 | | <0.005 | <0.005 | <0.005 | **0.026** | -- | <0.005 | **0.260** | <0.005 | <0.005 | <0.005 | <0.005 | **0.286** |
| SB-3 | 7 | 10/14/1993 | 1759 | <0.050 | <0.050 | <0.050 | **0.370** | -- | <0.050 | **3.5** | <0.050 | <0.050 | <0.050 | <0.050 | **3.87** |
| | 10 | 10/14/1993 | | <0.050 | <0.050 | <0.050 | **0.620** | -- | <0.050 | **4.8** | <0.050 | <0.050 | <0.050 | <0.050 | **5.42** |
| | 15 | 10/14/1993 | | <0.050 | <0.050 | <0.050 | **5.2** | -- | <0.050 | **5.5** | <0.050 | <0.050 | <0.050 | <0.050 | **10.7** |
| | 19 | 10/14/1993 | | <0.050 | <0.050 | <0.050 | **1.6** | -- | <0.050 | **4.1** | <0.050 | <0.050 | <0.050 | <0.050 | **5.7** |
| | 25 | 10/14/1993 | | <0.050 | <0.050 | <0.050 | **0.060** | -- | <0.050 | **7.6** | <0.050 | <0.050 | <0.050 | <0.050 | **7.66** |
| SB-4 | 4 | 10/15/1993 | 1761 | <0.005 | <0.005 | <0.005 | **0.520** | -- | <0.005 | **0.700** | <0.005 | <0.005 | <0.005 | <0.005 | **1.22** |
| | 10 | 10/15/1993 | | <0.005 | <0.005 | <0.005 | **0.970** | -- | <0.005 | **0.560** | <0.005 | <0.005 | <0.005 | <0.005 | **1.53** |
| SB-5 | 4 | 10/15/1993 | 1761 | <0.005 | <0.005 | <0.005 | **0.049** | -- | <0.005 | **0.590** | <0.005 | <0.005 | <0.005 | <0.005 | **0.639** |
| | 10 | 10/15/1993 | | <0.005 | <0.005 | <0.005 | **0.053** | -- | <0.005 | **0.160** | <0.005 | <0.005 | <0.005 | <0.005 | **0.213** |
| SB-6 | 7 | 10/14/1993 | 1759 | <0.050 | <0.050 | <0.050 | **0.230** | -- | <0.050 | **0.860** | <0.050 | <0.050 | <0.050 | <0.050 | **1.09** |
| | 10 | 10/14/1993 | | <0.005 | <0.005 | <0.005 | **1.2** | -- | <0.005 | **0.790** | <0.005 | <0.005 | <0.005 | <0.005 | **1.99** |
| SB-7 | 4 | 10/14/1993 | 1759 | <0.050 | <0.050 | <0.050 | **0.080** | -- | <0.050 | **3.9** | <0.050 | <0.050 | <0.050 | <0.050 | **3.98** |
| | 10 | 10/14/1993 | | <0.050 | <0.050 | <0.050 | **0.330** | -- | <0.050 | **7.0** | <0.050 | <0.050 | <0.050 | <0.050 | **7.33** |
| SB-8 | 4 | 10/14/1993 | 1759 | <0.050 | <0.050 | <0.050 | <0.050 | -- | <0.050 | **3.3** | <0.050 | <0.050 | <0.050 | <0.050 | **3.3** |
| | 10 | 10/14/1993 | | <0.050 | <0.050 | <0.050 | **0.250** | -- | <0.050 | **6.5** | <0.050 | <0.050 | <0.050 | <0.050 | **6.75** |
| SB-9 | 4 | 10/14/1993 | 1759 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.450** | <0.005 | <0.005 | <0.005 | <0.005 | **0.450** |
| | 10 | 10/14/1993 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **1.2** | <0.005 | <0.005 | <0.005 | <0.005 | **1.2** |
| SB-10 | 4 | 10/14/1993 | 1759 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **1.5** | <0.005 | <0.005 | <0.005 | <0.005 | **1.5** |
| | 10 | 10/14/1993 | | <0.050 | <0.050 | <0.050 | **0.100** | -- | <0.050 | **5.0** | <0.050 | <0.050 | <0.050 | <0.050 | **5.1** |
| SB-11 | 7 | 10/14/1993 | 1759 | <0.050 | <0.050 | <0.050 | **0.05** | -- | <0.050 | **2.9** | <0.050 | <0.050 | <0.050 | <0.050 | **2.95** |
| | 10 | 10/14/1993 | | <0.050 | <0.050 | <0.050 | **0.09** | -- | <0.050 | **5.3** | <0.050 | <0.050 | <0.050 | <0.050 | **5.39** |
| (SB)MW-3 | 16 | 11/9/1993 | 1759 | <1.0 | <1.0 | <1.0 | **4.6** | -- | <1.0 | **20** | <1.0 | <1.0 | <1.0 | <1.0 | **24.6** |
| | 21 | 11/9/1993 | | <1.0 | <1.0 | <1.0 | **3** | -- | <1.0 | **30** | <1.0 | <1.0 | <1.0 | <1.0 | **33** |
| | 26 | 11/9/1993 | | <1.0 | <1.0 | <1.0 | **1.8** | -- | <1.0 | **11** | <1.0 | <1.0 | <1.0 | <1.0 | **12.8** |
| | 31 | 11/9/1993 | | <0.200 | <0.200 | <0.200 | **1.1** | -- | <0.200 | **4.2** | <0.200 | <0.200 | <0.200 | <0.200 | **5.3** |
| | 35 | 11/9/1993 | | <0.20 | <0.020 | <0.020 | **0.091** | -- | <0.020 | **0.830** | <0.020 | <0.020 | <0.020 | <0.020 | **0.921** |
| ***1994*** | | | | | | | | | | | | | | | |
| MW-2A | 15 | 8/24/1994 | Offsite | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 20 | 8/24/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 25 | 8/24/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 29.5 | 8/24/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-3A | 14.5 | 8/25/1994 | 1750 | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 19.5 | 8/25/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | **0.022** | <0.005 | <0.005 | <0.005 | <0.005 | **0.022** |
| | 24.5 | 8/25/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 29.5 | 8/25/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |

**Table C4**
**Historical Soil Analytical Results (mg/kg)**
Former Velcon Filters, San Jose, California

| Sample ID | Depth (ft bgs) | Date Sampled | Location | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis- 1,2-DCE | Total 1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | PCE | 1,1,1-TCA | Chloroform | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5B1 | 39.5 | 8/26/1994 | 1761 | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 43.5 | 8/26/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-6B1 | 19.5 | 8/29/1994 | Offsite | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 24.5 | 8/29/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 29.5 | 8/29/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | **0.0061** | <0.005 | <0.005 | <0.005 | <0.005 | **0.0061** |
| | 32.5 | 8/29/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | **1.5** | <0.005 | <0.005 | <0.005 | <0.005 | **1.5** |
| | 39.5 | 8/29/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | **0.710** | <0.005 | <0.005 | <0.005 | <0.005 | **0.710** |
| | 41.5 | 8/29/1994 | | <0.005 | <0.005 | <0.005 | NA | -- | <0.005 | **0.130** | <0.005 | <0.005 | <0.005 | <0.005 | **0.130** |
| ***1995*** | | | | | | | | | | | | | | | |
| EW-2 | 10.5 | 6/13/1995 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 15 | 6/13/1995 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 20 | 6/13/1995 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 31 | 6/13/1995 | | <0.005 | <0.005 | <0.005 | **0.066** | -- | <0.005 | **0.510** | <0.005 | <0.005 | <0.005 | <0.005 | **0.576** |
| EW-3 | 12.5 | 6/27/1995 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 20 | 6/27/1995 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 31 | 6/27/1995 | | <0.005 | <0.005 | <0.005 | **0.230** | -- | <0.005 | **3.1** | <0.005 | <0.005 | <0.005 | <0.005 | **3.33** |
| EW-4 | 33.5 | 8/8/1995 | 1761 | <0.005 | <0.005 | <0.005 | **0.100** | -- | <0.005 | **0.500** | <0.005 | <0.005 | <0.005 | <0.005 | **0.600** |
| | 38.5 | 8/8/1995 | | <0.005 | <0.005 | <0.005 | **0.049** | -- | <0.005 | **0.440** | <0.005 | <0.005 | <0.005 | <0.005 | **0.489** |
| MW-7A | 5.5 | 6/14/1995 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.026** | <0.005 | <0.005 | <0.005 | <0.005 | **0.026** |
| | 16.5 | 6/14/1995 | | <0.005 | <0.005 | <0.005 | **0.310** | -- | <0.005 | **0.024** | <0.005 | <0.005 | <0.005 | <0.005 | **0.334** |
| MW-8A | 6 | 6/14/1995 | 1761 | <0.005 | **0.013** | <0.005 | **0.008** | -- | **0.008** | <0.005 | <0.005 | <0.005 | **0.01** | <0.005 | **0.039** |
| | 16.5 | 6/14/1995 | | <0.005 | **0.036** | <0.005 | <0.005 | -- | **0.049** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.085** |
| | 29 | 6/14/1995 | | <0.005 | <0.005 | <0.005 | **0.350** | -- | <0.005 | **0.550** | <0.005 | <0.005 | <0.005 | <0.005 | **0.900** |
| MW-8B1 | 35 | 7/14/1995 | 1761 | <0.005 | <0.005 | <0.005 | **0.015** | -- | <0.005 | **0.062** | <0.005 | <0.005 | <0.005 | <0.005 | **0.077** |
| | 38 | 7/14/1995 | | <0.005 | <0.005 | <0.005 | **0.009** | -- | <0.005 | **0.008** | <0.005 | <0.005 | <0.005 | <0.005 | **0.017** |
| MW-9B1 | 41.5 | 6/28/1995 | 1761 | <0.005 | <0.005 | <0.005 | **0.025** | -- | <0.005 | **0.500** | <0.005 | <0.005 | <0.005 | <0.005 | **0.525** |
| MW-10A | 6 | 6/16/1995 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 16 | 6/16/1995 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 27.5 | 6/16/1995 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-10B1 | 35.5 | 7/13/1995 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 39 | 7/13/1995 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-11A | 15 | 6/15/1995 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-11B1 | 35.5 | 7/13/1995 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-12A | 15 | 6/16/1995 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-13B1 | 25.5 | 6/26/1995 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 36.5 | 6/28/1995 | | <0.005 | <0.005 | <0.005 | **0.066** | -- | <0.005 | **0.320** | <0.005 | <0.005 | <0.005 | <0.005 | **0.386** |
| SB-15 | 1.5 | 6/19/1995 | 1759 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.340** | <0.005 | <0.005 | <0.005 | <0.005 | **0.340** |
| | 5 | 6/19/1995 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.470** | <0.005 | <0.005 | <0.005 | <0.005 | **0.470** |
| | 10 | 6/19/1995 | | <0.005 | <0.005 | <0.005 | **0.017** | -- | <0.005 | **0.810** | <0.005 | <0.005 | <0.005 | <0.005 | **0.827** |
| | 15 | 6/19/1995 | | <0.005 | <0.005 | <0.005 | **0.23** | -- | <0.005 | **5.5** | <0.005 | <0.005 | <0.005 | <0.005 | **5.73** |
| | 20 | 6/19/1995 | | <0.005 | <0.005 | <0.005 | **0.048** | -- | <0.005 | **3.6** | <0.005 | <0.005 | <0.005 | <0.005 | **3.648** |
| SB-16 | 1.5 | 6/19/1995 | 1759 | <0.005 | <0.005 | <0.005 | **0.094** | -- | <0.005 | **4.5** | <0.005 | **0.0078** | <0.005 | <0.005 | **4.602** |
| | 5 | 6/19/1995 | | <0.005 | <0.005 | <0.005 | **0.016** | -- | <0.005 | **0.200** | <0.005 | <0.005 | <0.005 | <0.005 | **0.216** |
| | 10 | 6/19/1995 | | <0.005 | <0.005 | **0.0084** | **0.660** | -- | <0.005 | **7.2** | <0.005 | <0.005 | <0.005 | <0.005 | **7.868** |
| | 15 | 6/19/1995 | | **0.77** | <0.005 | **0.13** | **8.4** | -- | <0.005 | **0.014** | <0.005 | <0.005 | <0.005 | <0.005 | **9.314** |
| | 20 | 6/19/1995 | | **0.43** | **0.032** | **0.19** | **23** | -- | <0.005 | **0.061** | <0.005 | <0.005 | <0.005 | <0.005 | **23.713** |

**Table C4**
**Historical Soil Analytical Results (mg/kg)**
Former Velcon Filters, San Jose, California

| Sample ID | Depth (ft bgs) | Date Sampled | Location | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis- 1,2-DCE | Total 1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | PCE | 1,1,1-TCA | Chloroform | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-17 | 1.5 | 6/19/1995 | 1759 | <0.005 | <0.005 | **0.018** | **1.7** | -- | <0.005 | **8.5** | <0.005 | <0.005 | <0.005 | <0.005 | **10.218** |
| | 5 | 6/19/1995 | | <0.005 | <0.005 | **0.017** | **1.2** | -- | <0.005 | **5.2** | <0.005 | <0.005 | <0.005 | <0.005 | **6.417** |
| | 10 | 6/19/1995 | | <0.005 | <0.005 | **0.036** | **3.5** | -- | <0.005 | **10** | <0.005 | <0.005 | <0.005 | **0.0051** | **13.541** |
| | 15 | 6/19/1995 | | **0.0081** | **0.022** | **0.200** | **20** | -- | <0.005 | **0.035** | **0.0061** | <0.005 | <0.005 | <0.005 | **20.271** |
| | 20 | 6/19/1995 | | <0.005 | **0.010** | **0.270** | **9.8** | -- | <0.005 | **0.096** | <0.005 | <0.005 | <0.005 | <0.005 | **10.176** |
| SB-18 | 1.5 | 6/15/1995 | 1759 | <0.005 | <0.005 | <0.005 | **0.035** | -- | <0.005 | **2.0** | <0.005 | <0.005 | <0.005 | <0.005 | **2.035** |
| | 5 | 6/15/1995 | | <0.005 | <0.005 | <0.005 | **0.023** | -- | <0.005 | **0.960** | <0.005 | <0.005 | <0.005 | <0.005 | **0.983** |
| | 9.5 | 6/15/1995 | | <0.005 | <0.005 | <0.005 | **0.100** | -- | <0.005 | **3.3** | <0.005 | <0.005 | <0.005 | <0.005 | **3.4** |
| | 15 | 6/15/1995 | | <0.005 | **0.015** | **0.054** | **17** | -- | <0.005 | **13** | <0.005 | <0.005 | <0.005 | <0.005 | **30.069** |
| | 20 | 6/15/1995 | | <0.005 | <0.005 | **0.012** | **4.3** | -- | <0.005 | **28** | <0.005 | <0.005 | <0.005 | <0.005 | **32.312** |
| SB-19 | 1.5 | 6/19/1995 | 1759 | <0.005 | **0.059** | <0.005 | **0.200** | -- | <0.005 | **3.1** | <0.005 | <0.005 | <0.005 | <0.005 | **3.359** |
| | 5 | 6/19/1995 | | <0.005 | <0.005 | <0.005 | **0.250** | -- | <0.005 | **2.5** | <0.005 | <0.005 | **0.019** | <0.005 | **2.769** |
| | 10 | 6/19/1995 | | <0.005 | <0.005 | **0.0058** | **0.72** | -- | <0.005 | **5.8** | <0.005 | <0.005 | **0.011** | <0.005 | **6.537** |
| | 15 | 6/19/1995 | | <0.005 | **0.067** | **0.12** | **8.1** | -- | **0.045** | **0.31** | <0.005 | <0.005 | **0.030** | <0.005 | **8.672** |
| | 20 | 6/19/1995 | | **0.050** | <0.005 | **0.042** | **3.2** | -- | <0.005 | **1.2** | <0.005 | <0.005 | **0.0053** | <0.005 | **4.497** |
| SB-20 | 15 | 6/14/1995 | 1761 | <0.005 | <0.005 | <0.005 | **0.006** | -- | <0.005 | **0.022** | <0.005 | <0.005 | <0.005 | <0.005 | **0.028** |
| | 19.5 | 6/14/1995 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| ***1996*** | | | | | | | | | | | | | | | |
| SB-21 | 2.5 | 1/5/1996 | 1750 | <0.005 | <0.005 | <0.005 | **0.011** | -- | <0.005 | **0.360** | <0.005 | <0.005 | <0.005 | <0.005 | **0.371** |
| | 5.5 | 1/5/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.190** | <0.005 | <0.005 | <0.005 | <0.005 | **0.190** |
| | 9.5 | 1/5/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.300** | <0.005 | <0.005 | <0.005 | <0.005 | **0.300** |
| SB-22 | 2.5 | 1/5/1996 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **6.9** | <0.005 | <0.005 | <0.005 | <0.005 | **6.9** |
| | 5.5 | 1/5/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **3.3** | <0.005 | <0.005 | <0.005 | <0.005 | **3.3** |
| | 9.5 | 1/5/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **3.3** | <0.005 | <0.005 | <0.005 | <0.005 | **3.3** |
| SB-23 | 2.5 | 1/5/1996 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.230** | <0.005 | <0.005 | <0.005 | <0.005 | **0.230** |
| | 5.5 | 1/5/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.220** | <0.005 | <0.005 | **0.0055** | <0.005 | **0.2255** |
| | 10 | 1/5/1996 | | <0.005 | <0.005 | <0.005 | **0.011** | -- | <0.005 | **0.280** | <0.005 | <0.005 | **0.005** | <0.005 | **0.296** |
| SB-26 | 2 | 1/3/1996 | 1761 | <0.005 | <0.005 | <0.005 | **0.069** | -- | <0.005 | **0.150** | <0.005 | <0.005 | <0.005 | <0.005 | **0.219** |
| | 5.5 | 1/3/1996 | | <0.005 | <0.005 | <0.005 | **0.053** | -- | <0.005 | **0.120** | <0.005 | <0.005 | <0.005 | <0.005 | **0.173** |
| | 10 | 1/3/1996 | | <0.005 | <0.005 | **0.0093** | **2.00** | -- | <0.005 | **1.9** | <0.005 | <0.005 | **0.008** | <0.005 | **3.917** |
| | 15 | 1/3/1996 | | <0.005 | <0.005 | <0.005 | **2.4** | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **2.4** |
| | 20 | 1/3/1996 | | <0.005 | <0.005 | **0.01** | **1.2** | -- | <0.005 | **0.019** | <0.005 | <0.005 | <0.005 | <0.005 | **1.229** |
| | 24.5 | 1/3/1996 | | <0.005 | <0.005 | <0.005 | **0.025** | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.025** |
| | 27 | 1/3/1996 | | <0.005 | <0.005 | <0.005 | **0.420** | -- | <0.005 | **0.090** | <0.005 | <0.005 | <0.005 | <0.005 | **0.510** |
| SB-27 | 2 | 1/3/1996 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 5 | 1/3/1996 | | <0.005 | <0.005 | <0.005 | **0.009** | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.009** |
| | 10 | 1/3/1996 | | <0.005 | **0.010** | <0.005 | <0.005 | -- | **0.0096** | <0.005 | <0.005 | <0.005 | **0.0083** | <0.005 | **0.0279** |
| | 15 | 1/3/1996 | | <0.005 | <0.005 | <0.005 | **0.047** | -- | **0.011** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.058** |
| | 19.5 | 1/3/1996 | | **0.018** | <0.005 | <0.005 | **0.240** | -- | **0.006** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.264** |
| | 24.5 | 1/3/1996 | | <0.005 | <0.005 | **0.010** | **1.2** | -- | **0.007** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **1.217** |
| | 29.5 | 1/3/1996 | | <0.005 | <0.005 | **0.011** | **0.770** | -- | <0.005 | **0.630** | <0.005 | <0.005 | <0.005 | <0.005 | **1.411** |
| SB-28 | 20 | 1/4/1996 | 1759 | <0.005 | <0.005 | **0.097** | **5.4** | -- | <0.005 | **0.012** | <0.005 | <0.005 | <0.005 | <0.005 | **5.509** |
| | 25 | 1/4/1996 | | <0.005 | <0.005 | <0.005 | **0.200** | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.200** |
| | 27.5 | 1/4/1996 | | <0.005 | <0.005 | <0.005 | **0.350** | -- | <0.005 | **4.7** | <0.005 | <0.005 | <0.005 | <0.005 | **5.05** |
| MW-11B2 | 40 | 10/10/1996 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 50.5 | 10/10/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |

**Table C4**
**Historical Soil Analytical Results (mg/kg)**
Former Velcon Filters, San Jose, California

| Sample ID | Depth (ft bgs) | Date Sampled | Location | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis- 1,2-DCE | Total 1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | PCE | 1,1,1-TCA | Chloroform | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-14A | 5 | 2/13/1996 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10 | 2/13/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.016** | <0.005 | <0.005 | <0.005 | <0.005 | **0.016** |
| | 15 | 2/13/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.099** | <0.005 | <0.005 | <0.005 | <0.005 | **0.099** |
| | 20 | 2/13/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.110** | <0.005 | <0.005 | <0.005 | <0.005 | **0.110** |
| | 25 | 2/13/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.047** | <0.005 | <0.005 | <0.005 | <0.005 | **0.047** |
| MW-15A | 15 | 2/13/1996 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 20 | 2/13/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-15B1 | 36 | 3/5/1996 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-16B1 | 30 | 3/6/1996 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-17A | 5 | 2/12/1996 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10 | 2/12/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 20 | 2/12/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-18A | 5 | 2/12/1996 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10 | 2/12/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 20 | 2/12/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | **0.0052** | <0.005 | <0.005 | <0.005 | **0.031** | <0.005 | **0.0362** |
| MW-18B1 | 39.5 | 3/5/1996 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| MW-19A | 10 | 5/30/1996 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **2.1** | <0.005 | <0.005 | <0.005 | <0.005 | **2.1** |
| | 15 | 5/30/1996 | | <0.012 | <0.012 | <0.012 | <0.012 | -- | <0.012 | **0.79** | <0.012 | <0.012 | <0.012 | <0.012 | **0.79** |
| | 20 | 5/30/1996 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.170** | <0.005 | <0.005 | <0.005 | <0.005 | **0.170** |
| | 24.5 | 5/30/1996 | | <0.005 | **0.0088** | **0.015** | **0.057** | -- | <0.005 | **15** | <0.005 | NA | <0.005 | <0.005 | **15.08** |
| ***1997*** | | | | | | | | | | | | | | | |
| SB-35 | 1 | 7/22/1997 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.029** | <0.005 | <0.005 | <0.005 | <0.005 | **0.029** |
| | 5 | 7/22/1997 | | <0.024 | <0.024 | <0.024 | <0.024 | -- | <0.024 | **1.4** | <0.024 | <0.024 | <0.024 | <0.024 | **1.4** |
| | 10 | 7/22/1997 | | <0.620 | <0.620 | <0.620 | <0.620 | -- | <0.620 | **0.790** | <0.620 | <0.620 | <0.620 | <0.620 | **0.790** |
| SB-36 | 1 | 7/22/1997 | 1750 | <0.022 | <0.022 | <0.022 | <0.022 | -- | <0.022 | **1.2** | <0.022 | <0.022 | <0.022 | <0.022 | **1.2** |
| | 5 | 7/22/1997 | | <0.0095 | <0.0095 | <0.0095 | <0.0095 | -- | <0.0095 | **0.390** | <0.0095 | <0.0095 | <0.0095 | <0.0095 | **0.390** |
| | 10 | 7/22/1997 | | <0.620 | <0.620 | <0.620 | <0.620 | -- | <0.620 | **1.4** | <0.620 | <0.620 | <0.620 | <0.620 | **1.4** |
| SB-37 | 1 | 7/22/1997 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 5 | 7/22/1997 | | <0.023 | <0.023 | <0.023 | <0.023 | -- | <0.023 | **1.6** | <0.023 | <0.023 | <0.023 | <0.023 | **1.6** |
| | 10 | 7/22/1997 | | <0.580 | <0.580 | <0.580 | <0.580 | -- | <0.580 | **1.4** | <0.580 | <0.580 | <0.580 | <0.580 | **1.4** |
| SG-1 | 3 | 7/22/1997 | 1750 | <0.023 | <0.023 | <0.023 | <0.023 | -- | <0.023 | **12** | <0.023 | **0.065** | <0.023 | <0.023 | **12.07** |
| | 6 | 7/22/1997 | | <0.023 | <0.023 | <0.023 | <0.023 | -- | <0.023 | **4.9** | <0.023 | <0.023 | <0.023 | <0.023 | **4.9** |
| | 9 | 7/22/1997 | | <0.025 | <0.025 | <0.025 | <0.025 | -- | <0.025 | **4.5** | <0.025 | <0.025 | <0.025 | <0.025 | **4.5** |
| SG-3 | 3 | 7/22/1997 | 1759 | <0.610 | <0.610 | <0.610 | <0.610 | -- | <0.610 | **11** | <0.610 | <0.610 | <0.610 | <0.610 | **11** |
| | 6 | 7/22/1997 | | <0.600 | <0.600 | <0.600 | <0.600 | -- | <0.600 | **6.0** | <0.600 | <0.600 | <0.600 | <0.600 | **6.0** |
| | 9 | 7/22/1997 | | <0.590 | <0.590 | <0.590 | <0.590 | -- | <0.590 | **7.0** | <0.590 | <0.590 | <0.590 | <0.590 | **7.0** |
| SG-4 | 3 | 7/22/1997 | 1761 | <0.012 | <0.012 | <0.012 | <0.012 | -- | <0.012 | <0.012 | <0.012 | <0.012 | <0.012 | <0.012 | ND |
| | 6 | 7/22/1997 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 9 | 7/22/1997 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| ***1998*** | | | | | | | | | | | | | | | |
| SB-38 | 14 | 6/23/1998 | 1761 | <0.04 | <0.04 | <0.04 | **0.38** | -- | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | **0.38** |
| | 14 a | 6/23/1998 | | <0.04 | <0.04 | <0.04 | **0.15** | -- | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | **0.15** |
| SB-41 | 11.4 | 6/23/1998 | 1761 | <0.4 | <0.4 | <0.4 | <0.4 | -- | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | ND |
| | 11.4 a | 6/23/1998 | | <0.04 | <0.04 | <0.04 | <0.04 | -- | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | ND |
| | 18 | 6/23/1998 | | <0.4 | <0.4 | <0.4 | <0.4 | -- | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | ND |
| SB-42 | 13 | 6/23/1998 | 1761 | <0.4 | <0.4 | <0.4 | <0.4 | -- | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | ND |

**Table C4**
**Historical Soil Analytical Results (mg/kg)**
Former Velcon Filters, San Jose, California

| Sample ID | Depth (ft bgs) | Date Sampled | Location | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis- 1,2-DCE | Total 1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | PCE | 1,1,1-TCA | Chloroform | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-43 | 14 | 6/23/1998 | 1761 | <0.04 | <0.04 | <0.04 | <0.04 | -- | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | ND |
| SB-44 | 14.5 | 6/23/1998 | 1761 | <0.04 | <0.04 | <0.04 | <0.04 | -- | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | ND |
| | 14.5 a | 6/23/1998 | | <0.04 | <0.04 | <0.04 | <0.04 | -- | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | ND |
| SB-45 | 3.5 | 6/24/1998 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.091** | <0.005 | <0.005 | <0.005 | <0.005 | **0.102** |
| | 5 | 6/24/1998 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.035** | <0.005 | <0.005 | <0.005 | <0.005 | **0.035** |
| | 9.5 | 6/24/1998 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 14 | 6/24/1998 | | <0.04 | <0.04 | <0.04 | <0.04 | -- | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | ND |
| | 14 a | 6/24/1998 | | <0.04 | <0.04 | <0.04 | <0.04 | -- | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | ND |
| | 18.5 | 6/24/1998 | | **0.0084** | <0.0005 | <0.0005 | **0.014** | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | **0.0296** |
| SB-46 | 2.5 | 6/24/1998 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 5.5 | 6/24/1998 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10 | 6/24/1998 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 14.5 | 6/24/1998 | | <0.04 | <0.04 | <0.04 | <0.04 | -- | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | ND |
| | 14.5 a | 6/24/1998 | | <0.04 | <0.04 | <0.04 | <0.04 | -- | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | ND |
| | 19 | 6/24/1998 | | **0.036** | <0.005 | <0.005 | **0.160** | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.196** |
| ***1999*** | | | | | | | | | | | | | | | |
| E8 (EW-8) | 5 | 3/24/1999 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10 | 3/24/1999 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 15 | 3/24/1999 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 20 | 3/24/1999 | | **0.0086** | <0.005 | <0.005 | **0.540** | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.549** |
| | 25 | 3/24/1999 | | <0.005 | <0.005 | <0.005 | **0.095** | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.095** |
| | 30 | 3/24/1999 | | <0.005 | <0.005 | **0.0088** | **0.200** | -- | <0.005 | **0.330** | <0.005 | <0.005 | <0.005 | <0.005 | **0.539** |
| E9 (EW-9) | 5 | 3/24/1999 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10 | 3/24/1999 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| ***2000*** | | | | | | | | | | | | | | | |
| SB-47 | 5 | 1/7/2000 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10 | 1/7/2000 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 15 | 1/7/2000 | | **0.011** | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.011** |
| | 20 | 1/7/2000 | | <1.0 | <1.0 | <1.0 | **2.3** | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **2.3** |
| | 25 | 1/7/2000 | | <1.2 | <1.2 | <1.2 | **7.0** | -- | <1.2 | <1.2 | <1.2 | <1.2 | <1.2 | <1.2 | **7.0** |
| | 30 | 1/7/2000 | | <1.0 | <1.0 | <1.0 | **4.3** | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **4.3** |
| SB-48 | 5 | 1/7/2000 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10 | 1/7/2000 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 15 | 1/7/2000 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 20 | 1/7/2000 | | **0.240** | <0.02 | <0.02 | **0.560** | -- | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | **0.800** |
| | 25 | 1/7/2000 | | <1.2 | <1.2 | <1.2 | **6.0** | -- | <1.2 | <1.2 | <1.2 | <1.2 | <1.2 | <1.2 | **6.0** |
| | 30 | 1/7/2000 | | <1.0 | <1.0 | <1.0 | **1.0** | -- | <1.0 | **2.0** | <1.0 | <1.0 | <1.0 | <1.0 | **3.0** |
| SB-49 | 5 | 1/7/2000 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.041** | <0.005 | <0.005 | <0.005 | <0.005 | **0.041** |
| | 10 | 1/7/2000 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.021** | <0.005 | <0.005 | <0.005 | <0.005 | **0.021** |
| | 15 | 1/7/2000 | | **0.026** | <0.005 | **0.0068** | **0.093** | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.126** |
| | 20 | 1/7/2000 | | **0.011** | <0.005 | **0.0067** | **0.900** | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.918** |
| | 25 | 1/7/2000 | | <1.1 | <1.1 | <1.1 | **11.0** | -- | <1.1 | <1.1 | <1.1 | <1.1 | <1.1 | <1.1 | **11.0** |
| | 30 | 1/7/2000 | | <0.24 | <0.24 | <0.24 | **0.420** | -- | <0.24 | **0.620** | <0.24 | <0.24 | <0.24 | <0.24 | **1.04** |
| MW-20A | 5 | 7/12/2000 | Offsite | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 15 | 7/12/2000 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| PZ-4 | 3 | 7/12/2000 | 1750 | <0.005 | **0.0075** | <0.005 | **0.0094** | -- | **0.0076** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.024** |

**Table C4**
**Historical Soil Analytical Results (mg/kg)**
Former Velcon Filters, San Jose, California

| Sample ID | Depth (ft bgs) | Date Sampled | Location | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis- 1,2-DCE | Total 1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | PCE | 1,1,1-TCA | Chloroform | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 7/12/2000 | | <0.005 | <0.005 | <0.005 | **0.015** | -- | **0.009** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.024** |
| | 10 | 7/12/2000 | | <0.02 | <0.02 | <0.02 | **0.320** | -- | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | **0.320** |
| | 15 | 7/12/2000 | | <0.025 | <0.025 | <0.025 | **0.340** | -- | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | **0.340** |
| PZ-5 | 5 | 7/12/2000 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10 | 7/12/2000 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 15 | 7/12/2000 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | **0.0053** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | **0.005** |
| PZ-6 | 3 | 7/12/2000 | 1761 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 5 | 7/12/2000 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| | 10 | 7/12/2000 | | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| ***2001*** | | | | | | | | | | | | | | | |
| EW-10 | 6.5 | 4/16/2001 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | **0.0051** | <0.005 | <0.005 | <0.005 | <0.005 | **0.0051** |
| | 11.5 | 4/16/2001 | | <0.025 | <0.025 | <0.025 | **0.063** | -- | <0.025 | **0.250** | <0.025 | <0.025 | <0.025 | <0.025 | **0.313** |
| | 16.5 | 4/16/2001 | | <0.025 | <0.025 | <0.025 | **0.150** | -- | <0.025 | **1.0** | <0.025 | <0.025 | <0.025 | <0.025 | **1.15** |
| | 21.5 | 4/16/2001 | | <0.025 | <0.025 | <0.025 | **0.032** | -- | <0.025 | **0.260** | <0.025 | <0.025 | <0.025 | <0.025 | **0.292** |
| | 1 - 5 | 4/16/2001 | | <0.005 | <0.005 | <0.005 | **0.017** | -- | <0.005 | **0.120** | <0.005 | <0.005 | <0.005 | <0.005 | **0.137** |
| EW-11 | 1 - 5 | 4/16/2001 | 1750 | <0.005 | <0.005 | <0.005 | <0.005 | -- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | ND |
| ***2002*** | | | | | | | | | | | | | | | |
| SB-101 | 5.5 | 6/10/2002 | 1759 | <0.0086 | <0.0086 | <0.0086 | **0.23** | -- | <0.0086 | **1.3** | <0.0086 | <0.0086 | <0.0086 | NA | **1.53** |
| | 10 | 6/10/2002 | | <0.0093 | <0.0093 | **0.013** | **1.3** | -- | <0.0093 | **3.9** | <0.0093 | <0.0093 | <0.0093 | NA | **5.213** |
| | 15 | 6/10/2002 | | <0.250 | <0.250 | <0.250 | **1.5** | -- | <0.250 | **2.4** | <0.250 | <0.250 | <0.250 | <0.250 | **3.9** |
| SB-102 | 5.5 | 6/10/2002 | 1759 | <0.250 | <0.250 | <0.250 | <0.250 | -- | <0.250 | **1.5** | <0.250 | <0.250 | <0.250 | <0.250 | **1.5** |
| | 10 | 6/10/2002 | | <0.010 | <0.010 | <0.010 | **1.0** | -- | <0.010 | **3.7** | <0.010 | <0.010 | <0.010 | NA | **4.7** |
| | 15 | 6/10/2002 | | <0.050 | <0.050 | <0.050 | **2.1** | -- | <0.050 | **4.0** | <0.050 | <0.050 | <0.050 | NA | **6.1** |
| SB-103 | 5.5 | 6/10/2002 | 1759 | <0.250 | <0.250 | <0.250 | **0.300** | -- | <0.250 | **1.5** | <0.250 | <0.250 | <0.250 | <0.250 | **1.8** |
| | 10 | 6/10/2002 | | <0.042 | <0.042 | <0.042 | **1.4** | -- | <0.042 | **3.6** | <0.042 | <0.042 | <0.042 | NA | **5.0** |
| | 15 | 6/10/2002 | | <0.048 | <0.048 | **0.055** | **4.5** | -- | <0.048 | **1.5** | <0.048 | <0.048 | <0.048 | NA | **6.055** |
| SB-104 | 5.5 | 6/10/2002 | 1759 | <0.250 | <0.250 | <0.250 | **0.390** | -- | <0.250 | **1.5** | <0.250 | <0.250 | <0.250 | <0.250 | **1.89** |
| | 10 | 6/10/2002 | | <0.250 | <0.250 | <0.250 | **1.3** | -- | <0.250 | **3.2** | <0.250 | <0.250 | <0.250 | <0.250 | **4.5** |
| | 15 | 6/10/2002 | | <0.250 | <0.250 | <0.250 | **4.7** | -- | <0.250 | **1.1** | <0.250 | <0.250 | <0.250 | <0.250 | **5.8** |
| SB-105 | 5.5 | 6/11/2002 | 1759 | <0.050 | <0.050 | <0.050 | **0.43** | -- | <0.050 | **2.5** | <0.050 | <0.050 | <0.050 | NA | **2.93** |
| | 10 | 6/11/2002 | | <0.047 | <0.047 | <0.047 | **0.91** | -- | <0.047 | **3.3** | <0.047 | <0.047 | <0.047 | NA | **4.21** |
| | 15 | 6/11/2002 | | <0.052 | <0.052 | <0.052 | **0.74** | -- | <0.052 | **1.0** | <0.052 | <0.052 | <0.052 | NA | **1.74** |
| SB-106 | 5.5 | 6/11/2002 | 1759 | <0.042 | <0.042 | <0.042 | **0.70** | -- | <0.042 | **4.3** | <0.042 | <0.042 | <0.042 | NA | **5.0** |
| | 9.5 | 6/11/2002 | | <0.045 | <0.045 | <0.045 | **1.2** | -- | <0.045 | **4.5** | <0.045 | <0.045 | <0.045 | NA | **5.7** |
| | 15 | 6/11/2002 | | <0.048 | <0.048 | <0.048 | **2.1** | -- | <0.048 | **3.4** | <0.048 | <0.048 | <0.048 | NA | **5.5** |
| SB-107 | 5.5 | 6/11/2002 | 1759 | <0.046 | <0.046 | <0.046 | **0.26** | -- | <0.046 | **1.8** | <0.046 | <0.046 | <0.046 | NA | **2.06** |
| | 10 | 6/11/2002 | | <0.051 | <0.051 | <0.051 | **0.56** | -- | <0.051 | **2.4** | <0.051 | <0.051 | <0.051 | NA | **2.96** |
| | 15 | 6/11/2002 | | <0.049 | <0.049 | <0.049 | **1.1** | -- | <0.049 | **1.8** | <0.049 | <0.049 | <0.049 | NA | **2.9** |
| SB-108 | 5.5 | 6/11/2002 | 1759 | <0.045 | <0.045 | <0.045 | **0.24** | -- | <0.045 | **1.8** | <0.045 | <0.045 | <0.045 | NA | **2.04** |
| | 10 | 6/11/2002 | | <0.045 | <0.045 | <0.045 | **1.2** | -- | <0.045 | **4.4** | <0.045 | <0.045 | <0.045 | NA | **5.6** |
| | 15 | 6/11/2002 | | <0.045 | <0.045 | **0.05** | **3.4** | -- | <0.045 | **5.2** | <0.045 | <0.045 | <0.045 | NA | **8.65** |
| SB-109 | 6 | 6/11/2002 | 1759 | <0.044 | <0.044 | <0.044 | **0.33** | -- | <0.044 | **0.81** | <0.044 | <0.044 | <0.044 | NA | **1.14** |
| | 10 | 6/11/2002 | | <0.047 | <0.047 | <0.047 | **1.8** | -- | <0.047 | **3.3** | <0.047 | <0.047 | <0.047 | NA | **5.1** |
| | 15 | 6/11/2002 | | <0.050 | <0.050 | <0.050 | **2.6** | -- | <0.050 | **2.0** | <0.050 | <0.050 | <0.050 | NA | **4.6** |

**Table C4**
**Historical Soil Analytical Results (mg/kg)**
Former Velcon Filters, San Jose, California

| Sample ID | Depth (ft bgs) | Date Sampled | Location | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis- 1,2-DCE | Total 1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | PCE | 1,1,1-TCA | Chloroform | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-110 | 5.5 | 6/11/2002 | 1759 | <0.047 | <0.047 | <0.047 | **1.1** | -- | <0.047 | **5.3** | <0.047 | <0.047 | <0.047 | NA | **6.4** |
| | 10 | 6/11/2002 | | <0.048 | <0.048 | <0.048 | **2.1** | -- | <0.048 | **6.0** | <0.048 | <0.048 | <0.048 | NA | **8.1** |
| | 15 | 6/11/2002 | | <0.039 | <0.039 | **0.10** | **5.0** | -- | <0.039 | **4.8** | <0.039 | <0.039 | <0.039 | NA | **9.9** |
| SB-111 | 5.5 | 6/12/2002 | 1759 | <0.039 | <0.039 | <0.039 | **0.5** | -- | <0.039 | **3** | <0.039 | <0.039 | <0.039 | NA | **3.5** |
| | 10 | 6/12/2002 | | <0.048 | <0.048 | <0.048 | **0.85** | -- | <0.048 | **2.8** | <0.048 | <0.048 | <0.048 | NA | **3.65** |
| | 15 | 6/12/2002 | | <0.051 | <0.051 | <0.051 | **2.1** | -- | <0.051 | **3** | <0.051 | <0.051 | <0.051 | NA | **5.1** |
| SB-112 | 5 | 6/13/2002 | 1759 | <0.005 | <0.005 | <0.005 | **0.100** | -- | <0.005 | **0.130** | <0.005 | <0.005 | <0.005 | <0.005 | **0.230** |
| | 10 | 6/13/2002 | | <0.250 | <0.250 | <0.250 | **4.3** | -- | <0.250 | **3.3** | <0.250 | <0.250 | <0.250 | <0.250 | **7.6** |
| SB-113 | 5 | 6/14/2002 | 1759 | <0.250 | <0.250 | <0.250 | **1.3** | -- | <0.250 | **5.3** | <0.250 | <0.250 | <0.250 | <0.250 | **6.6** |
| | 10 | 6/14/2002 | | <0.250 | <0.250 | <0.250 | **4.5** | -- | <0.250 | **3.1** | <0.250 | <0.250 | <0.250 | <0.250 | **7.6** |
| | 15 | 6/14/2002 | | <0.250 | <0.250 | <0.250 | **12** | -- | <0.250 | **0.710** | <0.250 | <0.250 | <0.250 | <0.250 | **12.71** |
| SB-114 | 5 | 6/14/2002 | 1759 | <0.023 | <0.023 | <0.023 | **0.041** | -- | <0.023 | **0.100** | <0.023 | <0.023 | <0.023 | <0.023 | **0.141** |
| | 10 | 6/14/2002 | | <0.250 | <0.250 | <0.250 | **3.5** | -- | <0.250 | **11** | <0.250 | <0.250 | <0.250 | <0.250 | **14.5** |
| | 15 | 6/14/2002 | | <0.024 | <0.024 | <0.024 | **0.220** | -- | <0.024 | **0.330** | <0.024 | <0.024 | <0.024 | <0.024 | **0.550** |
| SB-201 | 5 | 7/24/2002 | 1759 | <0.005 | <0.005 | <0.005 | **0.340** | -- | <0.005 | **0.760** | <0.005 | <0.005 | <0.005 | <0.005 | **1.10** |
| | 10 | 7/24/2002 | | <0.005 | <0.005 | <0.005 | **0.470** | -- | <0.005 | **0.820** | <0.005 | <0.005 | <0.005 | <0.005 | **1.29** |
| | 15 | 7/24/2002 | | **0.020** | <0.005 | **0.039** | **2.7** | -- | <0.005 | **3.4** | <0.005 | <0.005 | <0.005 | <0.005 | **6.159** |
| SB-202 | 5 | 7/24/2002 | 1759 | <0.005 | <0.005 | <0.005 | **0.081** | -- | <0.005 | **0.110** | <0.005 | <0.005 | <0.005 | <0.005 | **0.191** |
| | 10 | 7/24/2002 | | <0.005 | <0.005 | <0.005 | **0.200** | -- | <0.005 | **0.230** | <0.005 | <0.005 | <0.005 | <0.005 | **0.430** |
| | 15 | 7/24/2002 | | **0.008** | <0.005 | **0.019** | **0.950** | -- | <0.005 | **1.3** | <0.005 | <0.005 | <0.005 | <0.005 | **2.277** |
| | 20 | 7/24/2002 | | **0.08** | <0.005 | **0.038** | **1.5** | -- | <0.005 | **0.0057** | <0.005 | <0.005 | <0.005 | <0.005 | **1.624** |
| SB-203 | 5 | 7/24/2002 | 1759 | <0.005 | <0.005 | <0.005 | **0.028** | -- | <0.005 | **0.084** | <0.005 | <0.005 | <0.005 | <0.005 | **0.112** |
| | 10 | 7/24/2002 | | <0.005 | <0.005 | <0.005 | **0.060** | -- | <0.005 | **0.140** | <0.005 | <0.005 | <0.005 | <0.005 | **0.200** |
| | 15 | 7/24/2002 | | **0.0052** | <0.005 | **0.024** | **1.1** | -- | <0.005 | **0.840** | <0.005 | <0.005 | <0.005 | <0.005 | **1.969** |
| | 20 | 7/24/2002 | | **0.02** | <0.005 | **0.023** | **0.990** | -- | <0.005 | **0.010** | <0.005 | <0.005 | <0.005 | <0.005 | **1.043** |
| SB-204 | 5 | 7/24/2002 | 1759 | <0.005 | <0.005 | <0.005 | **0.088** | -- | <0.005 | **0.170** | <0.005 | <0.005 | <0.005 | <0.005 | **0.258** |
| | 10 | 7/24/2002 | | <0.005 | <0.005 | <0.005 | **0.210** | -- | <0.005 | **0.270** | <0.005 | <0.005 | <0.005 | <0.005 | **0.480** |
| | 15 | 7/24/2002 | | **0.034** | <0.005 | **0.037** | **1.5** | -- | <0.005 | **0.640** | <0.005 | <0.005 | <0.005 | <0.005 | **2.211** |
| SB-205 | 5 | 7/24/2002 | 1759 | <0.005 | <0.005 | <0.005 | **0.130** | -- | <0.005 | **0.130** | <0.005 | <0.005 | <0.005 | <0.005 | **0.260** |
| | 10 | 7/24/2002 | | <0.005 | <0.005 | <0.005 | **0.470** | -- | <0.005 | **0.270** | <0.005 | <0.005 | <0.005 | <0.005 | **0.740** |
| | 15 | 7/24/2002 | | **0.05** | <0.005 | **0.041** | **1.9** | -- | <0.005 | **1.7** | <0.005 | <0.005 | <0.005 | <0.005 | **3.691** |
| | 20 | 7/24/2002 | | **0.22** | **0.006** | **0.07** | **4.0** | -- | <0.005 | **0.0095** | <0.005 | <0.005 | <0.005 | <0.005 | **4.306** |
| SB-206 | 5 | 7/24/2002 | 1759 | <0.005 | <0.005 | <0.005 | **0.490** | -- | <0.005 | **0.630** | <0.005 | <0.005 | <0.005 | <0.005 | **1.12** |
| | 10 | 7/24/2002 | | <0.005 | <0.005 | **0.0075** | **0.870** | -- | <0.005 | **1.1** | <0.005 | <0.005 | <0.005 | <0.005 | **1.978** |
| | 15 | 7/24/2002 | | **0.190** | **0.0072** | **0.075** | **3.8** | -- | <0.005 | **3.7** | <0.005 | **0.0085** | <0.005 | <0.005 | **7.781** |
| | 20 | 7/24/2002 | | **0.380** | <0.005 | **0.041** | **1.5** | -- | <0.005 | **0.016** | <0.005 | <0.005 | <0.005 | <0.005 | **1.937** |
| SB-207 | 5 | 7/24/2002 | 1759 | <0.005 | <0.005 | <0.005 | **0.470** | -- | <0.005 | **0.750** | <0.005 | <0.005 | <0.005 | <0.005 | **1.22** |
| | 10 | 7/24/2002 | | <0.005 | <0.005 | **0.012** | **1.3** | -- | <0.005 | **1.7** | <0.005 | <0.005 | <0.005 | <0.005 | **3.012** |
| | 15 | 7/24/2002 | | **0.140** | **0.0071** | **0.080** | **3.5** | -- | <0.005 | **2.2** | <0.005 | <0.005 | <0.005 | <0.005 | **5.927** |
| | 20 | 7/24/2002 | | **1.1** | **0.0089** | **0.1** | **3.2** | -- | <0.005 | **0.014** | <0.005 | <0.005 | <0.005 | <0.005 | **4.423** |
| SP-1 | 5.5 | 6/12/2002 | 1759 | <0.045 | <0.045 | <0.045 | **0.18** | -- | <0.045 | **1.3** | <0.045 | <0.045 | <0.045 | <0.045 | **1.48** |
| | 10 | 6/12/2002 | | <0.049 | <0.049 | <0.049 | **0.69** | -- | <0.049 | **2.7** | <0.049 | <0.049 | <0.049 | <0.049 | **3.39** |
| SP-2 | 5 | 6/12/2002 | 1759 | <0.042 | <0.042 | <0.042 | **0.29** | -- | <0.042 | **1.5** | <0.042 | <0.042 | <0.042 | <0.042 | **1.79** |
| | 10 | 6/12/2002 | | <0.045 | <0.045 | <0.045 | **1.0** | -- | <0.045 | **3.4** | <0.045 | <0.045 | <0.045 | <0.045 | **4.4** |

**Table C4**
**Historical Soil Analytical Results (mg/kg)**
Former Velcon Filters, San Jose, California

| Sample ID | Depth (ft bgs) | Date Sampled | Location | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis- 1,2-DCE | Total 1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | PCE | 1,1,1-TCA | Chloroform | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP-3 | 5 | 6/13/2002 | 1759 | <0.049 | <0.049 | <0.049 | **0.51** | -- | <0.049 | **2.7** | <0.049 | <0.049 | <0.049 | <0.049 | **3.21** |
| | 10 | 6/13/2002 | | <0.048 | <0.048 | <0.048 | **0.91** | -- | <0.048 | **3.2** | <0.048 | <0.048 | <0.048 | <0.048 | **4.11** |
| | 15 | 6/13/2002 | | <0.046 | <0.046 | **0.046** | **3.1** | -- | <0.046 | **3.5** | <0.046 | <0.046 | <0.046 | <0.046 | **6.646** |
| | 20 | 6/13/2002 | | <0.52 | <0.52 | <0.52 | **12** | -- | <0.52 | **45** | <0.52 | <0.52 | <0.52 | <0.52 | **57** |
| | 25 | 6/13/2002 | | <0.83 | <0.83 | <0.83 | **8.8** | -- | <0.83 | **19** | <0.83 | <0.83 | <0.83 | <0.83 | **27.8** |
| ***2003*** | | | | | | | | | | | | | | | |
| T4-R | 2.5 | 10/28/2003 | 1759 | <0.022 | <0.022 | <0.022 | **0.029** | **--** | <0.022 | **0.230** | <0.022 | <0.022 | <0.022 | <0.022 | **0.259** |
| | 5.5 | 10/28/2003 | | <0.023 | <0.023 | <0.023 | **0.088** | **--** | <0.023 | **0.380** | <0.023 | <0.023 | <0.023 | <0.023 | **0.468** |
| | 8.5 | 10/28/2003 | | <0.005 | <0.005 | <0.005 | **0.035** | **--** | <0.005 | **0.140** | <0.005 | <0.005 | <0.005 | <0.005 | **0.175** |
| | 11.5 | 10/28/2003 | | <0.024 | <0.024 | <0.024 | **0.190** | **--** | <0.024 | **0.350** | <0.024 | <0.024 | <0.024 | <0.024 | **0.540** |
| ***2007*** | | | | | | | | | | | | | | | |
| B-3 | 13 | 8/23/2007 | 1759 | <0.23 | <0.11 | <0.11 | **1.7** | -- | <0.11 | **5.9** | <0.11 | <0.11 | <0.11 | <0.11 | **7.6** |
| | 27 | 8/23/2007 | | <0.22 | <0.11 | <0.11 | **0.8** | -- | <0.11 | **8** | <0.11 | <0.11 | <0.11 | <0.11 | **8.8** |
| ***2012*** | | | | | | | | | | | | | | | |
| GS-1 | 5 | 9/19/2012 | 1759 | <0.004 | <0.004 | **0.0129** | **0.0177** | -- | <0.004 | **1.150 b** | <0.004 | <0.004 | <0.004 | **0.0037 J** | **1.1843** |
| | 8 | 9/19/2012 | | <0.0041 | <0.0041 | **0.0130** | **0.0421** | -- | <0.0041 | **1.120 b** | <0.0041 | <0.0041 | <0.0041 | **0.0031 J** | **1.1782** |
| | 13 | 9/19/2012 | | <0.990 | <0.990 | **0.139 J** | **2.530** | -- | <0.990 | <0.990 | <0.990 | <0.990 | <0.990 | <0.990 | **2.669** |
| | 18 | 9/19/2012 | | <0.960 | <0.960 | **0.102 J** | **2.260** | -- | <0.960 | <0.960 | <0.960 | <0.960 | <0.960 | <0.960 | **2.469** |
| | 23 | 9/19/2012 | | **0.230 J** | <1.000 | <1.000 | **0.909 J** | -- | <1.000 | <1.000 | <1.000 | <1.000 | <1.000 | <1.000 | **1.436** |
| ***2013*** | | | | | | | | | | | | | | | |
| B-1 | 5 | 9/7/2013 | 1761 | <0.0038 | <0.0038 | <0.0038 | <0.0038 | -- | <0.0038 | **0.215 b** | <0.0038 | <0.0038 | <0.0038 | <0.0038 | **0.215** |
| | 10 | 9/7/2013 | | <0.0041 | <0.0041 | <0.0041 | **0.002** | -- | <0.0041 | **0.0136** | <0.0041 | <0.0041 | <0.0041 | <0.0041 | **0.0156** |
| B-2 | 5 | 9/7/2013 | 1761 | <0.2 | <0.2 | <0.2 | <0.2 | -- | <0.2 | **1.07** | <0.2 | <0.2 | <0.2 | <0.2 | **1.07** |
| | 10 | 9/7/2013 | | **0.00087** | <0.004 | **0.0014** | **0.0037** | -- | <0.004 | **0.00053** | <0.004 | <0.004 | <0.004 | <0.004 | **0.0065** |
| IW-13 | 5 | 9/7/2013 | 1761 | <0.24 | <0.24 | <0.24 | <0.24 | -- | <0.24 | **0.470** | <0.24 | <0.24 | <0.24 | <0.24 | **0.470** |
| | 10 | 9/7/2013 | | <0.0041 | <0.0041 | <0.0041 | **0.0024 J** | -- | <0.0041 | **0.354** | <0.0041 | <0.0041 | **0.00052 J** | <0.0041 | **0.35692** |
| | 12.5 | 9/7/2013 | | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND |
| | 15 | 9/7/2013 | | **0.222 J** | <1.0 | **0.125 J** | **1.460** | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **1.9722** |
| | 20 | 9/7/2013 | | **1.15** | <1.1 | **0.196 J** | **1.16** | -- | <1.1 | <1.1 | <1.1 | <1.1 | <1.1 | <1.1 | **3.166** |
| | 25 | 9/7/2013 | | **0.300 J** | <0.38 | **0.223 J** | **4.260** | -- | <0.38 | <0.38 | <0.38 | <0.38 | <0.38 | <0.38 | **4.783** |
| | 30 | 9/7/2013 | | **0.131 J** | <0.4 | **0.0870 J** | **5.180** | -- | <0.4 | **0.278 J** | <0.4 | <0.4 | <0.4 | <0.4 | **5.676** |
| ***2016*** | | | | | | | | | | | | | | | |
| SB-1 | 5 | 6/10/2016 | 1759 | <0.044 | <0.022 | <0.022 | 0.07 | -- | <0.022 | **2.71** | <0.022 | <0.026 | <0.022 | <0.022 | **2.78** |
| | 10 | 6/10/2016 | | <0.042 | <0.021 | <0.021 | **0.115** | -- | <0.021 | **2.35** | <0.021 | <0.025 | <0.021 | <0.021 | **2.465** |
| SB-2 | 5 | 6/10/2016 | 1759 | <0.043 | <0.022 | <0.022 | <0.047 | -- | <0.022 | **1.2** | <0.022 | <0.026 | <0.022 | <0.022 | **1.2** |
| | 10 | 6/10/2016 | | <0.041 | <0.021 | <0.021 | **0.065** | -- | <0.021 | **2.18** | <0.021 | <0.025 | <0.021 | <0.021 | **2.18** |
| SB-3 | 5 | 6/10/2016 | 1759 | <0.042 | <0.021 | <0.021 | <0.046 | -- | <0.021 | **1.69** | <0.021 | <0.025 | <0.021 | <0.021 | **1.69** |
| | 10 | 6/10/2016 | | <0.042 | <0.021 | <0.021 | <0.046 | -- | <0.021 | **1.09** | <0.021 | <0.025 | <0.021 | <0.021 | **1.09** |
| SB-4 | 5 | 6/10/2016 | 1759 | <0.045 | <0.023 | <0.023 | <0.050 | -- | <0.023 | **1.36** | <0.023 | <0.027 | <0.023 | <0.023 | **1.36** |
| | 10 | 6/10/2016 | | <0.041 | <0.020 | <0.020 | <0.045 | -- | <0.020 | **0.599** | <0.020 | <0.025 | <0.020 | <0.020 | **0.599** |
| SB-5 | 5 | 6/10/2016 | 1759 | <0.043 | <0.022 | <0.022 | <0.047 | -- | <0.022 | **1.46** | <0.022 | <0.026 | <0.022 | <0.022 | **1.46** |
| | 10 | 6/10/2016 | | <0.043 | <0.022 | <0.022 | <0.047 | -- | <0.022 | **1.75** | <0.022 | <0.026 | <0.022 | <0.022 | **1.75** |
| SB-6 | 5 | 6/10/2016 | 1759 | <0.044 | <0.022 | <0.022 | <0.048 | -- | <0.022 | **1.89** | <0.022 | <0.026 | <0.022 | <0.022 | **1.89** |
| | 10 | 6/10/2016 | | <0.044 | <0.022 | <0.022 | <0.048 | -- | <0.022 | **1.0** | <0.022 | <0.026 | <0.022 | <0.022 | **1.0** |

**Table C4**
**Historical Soil Analytical Results (mg/kg)**
Former Velcon Filters, San Jose, California

| Sample ID | Depth (ft bgs) | Date Sampled | Location | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis- 1,2-DCE | Total 1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | PCE | 1,1,1-TCA | Chloroform | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-7 | 5 | 6/10/2016 | 1759 | <0.045 | <0.022 | <0.022 | <0.049 | -- | <0.022 | **2.1** | <0.022 | <0.027 | <0.022 | <0.022 | **2.1** |
| | 10 | 6/10/2016 | | <0.043 | <0.021 | <0.021 | **0.064** | -- | <0.021 | **2.34** | <0.021 | <0.026 | <0.021 | <0.021 | **2.404** |
| SB-8 | 5 | 6/10/2016 | 1759 | <0.054 | <0.027 | <0.027 | <0.060 | -- | <0.027 | **1.42** | <0.027 | <0.033 | <0.027 | <0.027 | **1.42** |
| | 10 | 6/10/2016 | | <0.043 | <0.022 | <0.022 | <0.048 | -- | <0.022 | **1.01** | <0.022 | <0.026 | <0.022 | <0.022 | **1.01** |
| SB-9 | 5 | 6/10/2016 | 1759 | <0.050 | <0.025 | <0.025 | <0.055 | -- | <0.025 | **1.03** | <0.025 | <0.030 | <0.025 | <0.025 | **1.03** |
| | 10 | 6/10/2016 | | <0.042 | <0.021 | <0.021 | <0.047 | -- | <0.021 | **0.653** | <0.021 | <0.025 | <0.021 | <0.021 | **0.653** |
| SB-10 | 5 | 6/10/2016 | 1759 | **0.013** | **0.0026** | **0.003** | **0.609** | -- | **0.0051** | **0.033** | <0.00042 | <0.00051 | <0.00042 | <0.00042 | **0.666** |
| | 10 | 6/10/2016 | | **0.045** | **0.0012** | **0.005** | **0.726** | -- | **0.0031** | **0.03** | <0.00043 | <0.00051 | <0.00043 | <0.00043 | **0.81** |
| SS-1 | 1 | 6/10/2016 | 1759 | <0.056 | <0.028 | <0.028 | <0.061 | -- | <0.028 | **1.67** | <0.028 | <0.033 | <0.028 | <0.028 | **1.67** |
| SS-2 | 1 | 6/10/2016 | 1759 | <0.076 | <0.038 | <0.038 | <0.084 | -- | <0.038 | **1.47** | <0.038 | <0.046 | <0.038 | <0.038 | **1.47** |
| SS-3 | 1 | 6/10/2016 | 1759 | <0.0014 | <0.00069 | <0.00069 | <0.0015 | -- | <0.00069 | **0.0688** | <0.00069 | <0.00083 | <0.00069 | <0.00069 | **0.0688** |

**Abbreviations:**
< = Indicates constituent not detected above stated laboratory method detection limits
-- = not analyzed
1750 = 1750 Rogers Avenue
1759 = 1759 Junction Avenue
1761 = 1761 Junction Avenue
b = Analyte found in associated method blank
bgs = below ground surface
ESL = Environmental Screening Level
ft bgs = Feet below ground surface
J =Estimated concentration below minimum detection limit
mg/kg = Milligram per kilogram
NA = Not available
ND = Not detected, reporting limit not available
Offsite = areas outside of 1750 Rogers Avenue and 1759 and 1761 Junction Avenue
VOCs = Volatile organic compounds
1,1,1-TCA = 1,1,1-Trichloroethane
1,1,2-TCA = 1,1,2-Trichloroethane
1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
1,2-DCA = 1,2-Dichloroethane
1,2-DCE = 1,2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene

**Notes:**
Bold font indicates that the constituent was detected in the sample.
[a] Sample analyzed following bulk extraction.

**Table C5a**
**Recent Analytical Results of Halogenated Volatile Organic Compounds in Groundwater (µg/L)**
Former Velcon Filters, San Jose, California

| Sample Number | Date Sampled | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis-1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | 1,2-DCA | PCE | 1,1,1-TCA | Chloro-benzene | Chloro-ethane |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| **Maximum Contaminant Levels**[1] | | 0.5 | 6 | 10 | 6 | 5 | 5 | 5 | 0.5 | 5 | 200 | -- | -- |
| A-Level Wells | | | | | | | | | | | | | |
| GX-127 | 9/4/2019 | **0.55 J** | <1.0 | **20.6** | **0.29 J** | **0.89 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| GX-140A | 9/3/2019 | **855 b** | <5.0 | **50.7** | **4.9 J** | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| GX-140B | 9/4/2019 | **1.1** | <1.0 | **9.0** | **1.6** | **1.2** | **0.49 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| GX-140C | 8/28/2019 | **572** | <10 | **46.6** | **68.9** | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <20 |
| GX-140D | 8/30/2019 | **0.95 J** | <1.0 | **9.2** | **0.38** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| GX-140E | 9/4/2019 | **0.67 J** | <1.0 | **14.4** | **3.0** | **1.1** | **0.86 J** | <1.0 | <1.0 | <1.0 | <1.0 | **2.0** | <2.0 |
| GX-140F | 8/28/2019 | **42.9** | <1.0 | **10.0** | **0.81 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-3 | 8/30/2019 | **2.5 J** | <5.0 | **22.5** | **287** | **1.8 J** | **127** | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| MW-4 | 8/27/2019 | **214 c** | **0.96 J** | **41.4** | **593 c** | **6.3** | **0.90 J** | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 |
| MW-7 | 8/30/2019 | **28.8** | <1.0 | **0.37 J** | **54.6** | **1.6** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-3A | 8/29/2019 | **5.6** | <1.0 | **1.4** | **0.42 J** | **0.58 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-4A | 8/28/2019 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-7A | 8/29/2019 | <2.0 | **2.5** | **0.59 J** | **35.6** | **5.8** | **109** | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 |
| MW-8A | 8/30/2019 | **85.5** | **0.47 J** | **5.7** | **4.5** | **11.7** | **0.81 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-10A | 8/27/2019 | <1.0 | <1.0 | <1.0 | **4.3** | **2.0** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-11A | 8/27/2019 | **1.0 J** | **1.3 J** | **4.2** | **182** | <2.0 | **107** | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 |
| MW-12A | 9/3/2019 | **37.9** | <1.0 | **36.6** | **33.5** | <1.0 | **0.81 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-14A | 8/29/2019 | <1.0 | **0.39 J** | <1.0 | **2.8** | <1.0 | **69.6** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-18A | 8/28/2019 | <1.0 | **16.9** | **0.69 J** | **15.0** | **14.4** | **6.0** | <1.0 | <1.0 | <1.0 | **0.64 J** | <1.0 | <2.0 |
| MW-19A | 8/30/2019 | <1.0 | <1.0 | **0.32 J** | **1.7** | **0.51 J** | **57.3** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-21A | 8/29/2019 | **7.2** | <1.0 | **0.40 J** | <1.0 | **0.81 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-22A | 9/3/2019 | **1.5** | <1.0 | **31.7** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-24A | 8/29/2019 | **2.1** | <1.0 | **11.2** | <1.0 | **2.6** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **1.4** | <2.0 |
| MW-25A | 9/4/2019 | <1.0 | <1.0 | **4.1** | **1.2** | **0.93 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| PZ-3 | 9/4/2019 | **32.7** | <1.0 | **0.34 J** | **4.3** | **3.2** | **0.37 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| PZ-4 | 8/29/2019 | <1.0 | <1.0 | **5.2** | <1.0 | **5.8** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| PZ-5 | 9/3/2019 | **1.8** | <1.0 | **8.6** | **0.61 J** | **0.48 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **2.0 a** |
| PZ-6 | 9/4/2019 | **0.52 J** | <1.0 | **20.4** | <1.0 | **2.1** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| PZ-7 | 9/3/2019 | **128** | **2.1 J** | **27** | **477 a** | **3.8 J** | **22.1** | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| PZ-8 | 8/27/2019 | **7.8** | <5.0 | **19.0** | **316** | <5.0 | **3.3 J** | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| DUP-1 | 8/27/2019 | **7.0** | <5.0 | **18.1** | **275** | <5.0 | **2.3 J** | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| IW-14 | 9/4/2019 | **0.76 J** | <1.0 | **13.8** | <1.0 | **1.1** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **1.2** | <2.0 |
| B1-Level Wells | | | | | | | | | | | | | |
| MW-3B1 | 9/3/2019 | **2.3** | <1.0 | **1.6** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-4B1 | 8/28/2019 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-5B1 | 8/28/2019 | **1.0** | <1.0 | **0.44 J** | **5.0** | <1.0 | **3.5** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-6B1 | 9/3/2019 | **3.5** | <1.0 | **21.5** | **1.8** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-8B1 | 8/29/2019 | **2.4** | <1.0 | **5.2** | **0.57 J** | **4.9** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| DUP-2 | 8/29/2019 | **2.2** | <1.0 | **5.0** | **0.51 J** | **4.8** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| MW-9B1 | 8/29/2019 | **4.4** | <1.0 | **15.8** | **2.7** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-11B1 | 8/27/2019 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-13B1 | 8/30/2019 | **1.1 J** | <2.0 | **16.0** | **130** | **2.3** | **92.8** | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 |
| MW-18B1 | 8/28/2019 | <1.0 | **14.4** | <1.0 | **11.8** | **5.8** | **41.1** | <1.0 | <1.0 | <1.0 | **1.7** | <1.0 | <2.0 |
| PZ-9 | 8/27/2019 | **15.9** | <1.0 | **33.6** | **56.3** | **0.42 J** | **2.4** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| PZ-10 | 8/27/2019 | **9.4** | <1.0 | **10.6** | **3.9** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| PZ-11 | 8/30/2019 | **1.9** | <1.0 | **2.0** | **9.1** | <1.0 | **11.5** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |

**Table C5a**
**Recent Analytical Results of Halogenated Volatile Organic Compounds in Groundwater (µg/L)**
Former Velcon Filters, San Jose, California

| Sample Number | Date Sampled | Vinyl Chloride | 1,1-DCE | trans-1,2-DCE | cis-1,2-DCE | 1,1-DCA | TCE | 1,1,2-TCA | 1,2-DCA | PCE | 1,1,1-TCA | Chloro-benzene | Chloro-ethane |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| Extraction Wells | | | | | | | | | | | | | |
| EW-1 | 8/28/2019 | <1.0 | <1.0 | **1.5** | **8.0** | <1.0 | **1.2** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| EW-2 | 9/4/2019 | <1.0 | <1.0 | **2.3** | **6.4** | <1.0 | **0.73 J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| EW-6 A/B1 | 8/30/2019 | **13.5** | <2.0 | **25.1** | **133** | **1.1 J** | **33.9** | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 |
| EW-7 A/B1 | 8/30/2019 | **1.4** | <1.0 | **8.6** | **38.9** | <1.0 | **29.2** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |

**Notes:**

1) = California maximum contaminant levels for drinking water, updated October 2018

µg/L = micrograms per liter
< = Not detected at or above the laboratory reporting limit shown.
**Bold** = Detected or estimated concentration
-- = Not Sampled
J = Estimated concentration below laboratory reporting limit
DUP = Duplicate sample
a = Result is from Run #2.
b = Sample was analyzed with head-space vial due to vial difference. See Analytical Report JC68525 for further detail.
c =Petroleum hydrocarbon pattern is not consistent with the Jet Fuel A reference standard
* = Split sample analyzed by McCampbell Analytical

1,1-DCE = 1,1-Dichloroethylene
trans-1,2-DCE = trans-1,2-Dichloroethylene
cis-1,2-DCE = cis-1,2-Dichloroethylene
1,1-DCA = 1,1-Dichloroethane
TCE = Trichloroethene
1,1,2-TCA = 1,1,2-Trichloroethane

1,2-DCA = 1,2-Dichloroethane
PCE = Tetrachloroethene
1,1,1-TCA = 1,1,1-Trichloroethane

**Table C5b**
**Recent Analytical Results of Petroleum Hydrocarbons in Groundwater (µg/L)**
Former Velcon Filters, San Jose, California

| Sample Number | Date Sampled | TPH as Kerosene (Jet Fuel) | TPH as Motor Oil | TPH as Diesel | TPH as Mineral Oil |
|---|---|---|---|---|---|
| GX-127 | 9/4/2019 | <94 | **799** | **681** | <94 |
| GX-140A | 9/3/2019 | <94 | **68.4 J** | **50.5 J** | <94 |
| GX-140B | 9/4/2019 | <94 | **290** | **244** | <94 |
| GX-140D | 8/30/2019 | <94 | <94 | <94 | <94 |
| GX-140E | -- | -- | -- | -- | -- |
| MW-3 | 8/30/2019 | <94 | <94 | <94 | <94 |
| MW-4 | 8/27/2019 | <94 | **225** | **203** | <94 |
| MW-9B1 | 8/29/2019 | <94 | <94 | <94 | <94 |
| MW-10A | 8/27/2019 | <95 | <95 | <95 | <95 |
| MW-12A | 9/3/2019 | <94 | **74.0 J** | <94 | <94 |

**Comments:**
All concentrations are in µg/L.

**Notes:**

| | |
|---|---|
| < | = Not detected at or above the laboratory reporting limit shown. |
| **Bold** | = Detected or estimated concentration |
| µg/L | = Micrograms per liter |
| J | = Estimated concentration below laboratory reporting limits |
| TPH | = Total petroleum hydrocarbons |

# APPENDIX D

# VAPOR INTRUSTION MONITORING AND MAINTENANCE PLAN

# Vapor Intrusion Monitoring and Maintenance Plan

**Former Velcon Filters, Inc. Facility**
1750 Rogers Avenue
San Jose, California

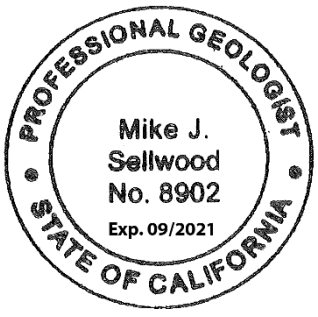
163227.0000

May 1, 2020

Prepared by


Lee Hovey
Project Manager

Mike Sellwood, PG
Senior Project Geologist

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### Figures



### Appendices

# 1.0 INTRODUCTION

This *Vapor Intrusion Monitoring and Maintenance Plan (VIMMP)* has been prepared by TRC Solutions, Inc. (TRC) for the former Velcon Filters, Inc. facility (Velcon) located at 1750 Rogers Avenue in San Jose, California (Figures 1 and 2). The site is regulated under the *Final Site Cleanup Requirements (Order No. 01-108)*, which was adopted by the Regional Water Quality Control Board-San Francisco Bay Region (Regional Board) on September 19, 2001.

## 1.1 Site Background

The Velcon site consists of three adjoining parcels/properties (1759 Junction Avenue, 1761 Junction Avenue, and 1750 Rogers Avenue) that span approximately 4.5 acres of relatively flat topography at an elevation of approximately 45 feet above mean sea level (Figure 2). Land use in the site's vicinity is generally light-to-heavy industrial and is zoned as heavy industrial pursuant to the City of San Jose's land use master plan.

The current building located at 1750 Rogers Avenue is a single story, tilt-slab structure with slab-on-grade construction built in the late 1960's. The total area of the structure at 1750 Rogers Avenue is approximately 75,000 square feet. The property was recently acquired by Granite Expo (GE San Jose). GE San Jose intends to re-model the existing facilities and operate a home improvement distribution warehouse and design showroom at 1750 Rogers Avenue.

# 2.0 Vapor Intrusion Monitoring Program

Six (6) indoor air samples will be collected from within the building located at 1750 Rogers Avenue at locations IA-1 through IA-6, located where the highest concentrations for trichloroethene (TCE) have been historically detected. For comparison, three (3) ambient air samples (A-1 through A-3) will be collected upwind from the building. Refer to Figure 2 for proposed sample locations.

Sampling will be conducted in accordance with the 2011 *Vapor Intrusion Guidance Document* (DTSC and Cal EPA) and TRC's standard operating procedures (SOPs) for indoor air sampling included in Appendix A.

## 2.1 Sampling Frequency and Duration

TRC recommends annual sampling to take place during the late spring or early summer. The sampling frequency was selected as a result of historically higher concentrations at IA-1 and IA-6, which were collected during the late spring and early summer. Sampling frequency will be reevaluated after two years with the intent that the frequency be decreased to biennially if the results continue to show no exceedances of the ESL in indoor air samples.

TRC's sampling protocol will include an eight (8)- hour indoor and ambient air sample duration that accounts for a standard commercial/industrial workday, which is consistent with the DTSC Vapor Intrusion Guidance. The Guidance requires that the first sampling event be conducted over 24 hours to evaluate diurnal fluctuations. TRC has previously conducted three sampling events using 24-hour samples on July 13-14, October 15, and December 28 of 2017, as

described in the *Sub-Slab Vapor and Indoor Air Evaluation Report* dated February 2, 2018. Therefore, the diurnal effect has been evaluated.

## 2.2 Pre-Field Activities

Prior to conducting the indoor air sampling at the 1750 Rogers Avenue building, all property owners and current tenants will be notified approximately one (1) week in advance of field work.

A building survey and chemical inventory will be conducted annually, prior to indoor air sampling at 1750 Rogers Avenue, to remove potential sources of indoor air contamination identified during the chemical inventory inspection. During the building survey and chemical inventory, a photo-ionization detector (PID) capable of detecting organic vapors in the parts per billion (ppb) range will be used in the sample areas to screen for potential sources of volatile organic compounds (VOCs) and other gases within the building that could affect the reliability of the indoor air sampling. The building survey and chemical inventory will primarily focus on the following:

- Use the PID with ppb detection capabilities to scan nearby any machines, molds, and manufacturing parts which may use coatings and/or lubricants containing VOCs. It may be necessary to employ wipe sampling of equipment to identify VOCs present on the equipment.
- Use the PID to scan any adhesives, cleaners, or finishes in the design warehouse area for the presence of VOCs.

If any detections of VOCs are detected with the PID adjacent to the sample areas, then attempts will be made to identify and remove the source(s) of the vapors. If indoor air sources are found, it may be necessary to temporarily ventilate the room in order to evacuate the vapors prior to the beginning of sampling.

## 2.3 Indoor and Ambient Air Sampling Procedure

Prior to sampling, a PID will be used to screen for potential sources of VOCs and other gases within the building that could affect the reliability of the indoor air sampling, as described in Section 2.2. Six (6) indoor air samples (IA-1 through IA-6) and three (3) ambient air samples (A-1 through A-3) will be collected at the 1750 Rogers Avenue structure. The ambient air samples should be collected from the upwind side of the building, typically located on the north side of the structure, at a distance equal to twice the height of the building. The proposed indoor sample locations are presented on Figure 2.

The indoor air samples will be collected using 6-liter Summa canisters fitted with eight (8)-hour flow controllers and particulate filters in accordance with the SOP provided in Appendix A.

During the sampling event, vacuum pressures on the air sampling Summa canisters will be monitored and recorded one (1) hour after the start of the sampling period to ensure that they are drawing the samples correctly, and one (1) hour before the eight (8) hour sampling period is over to ensure that sufficient vacuum remains. Additionally, weather data will be downloaded from a nearby weather station via WeatherUnderground.com. Field data will be recorded on the Record of Indoor Air Sampling form provided in Appendix B.

Indoor air samples will be submitted under Chain-Of-Custody protocol to a California state-certified laboratory for analysis of following site COCs by EPA Method TO-15 SIM: TCE, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride.

### 2.4 Quality Assurance/Quality Control

All indoor air samples will be properly labeled and transported to a California-certified analytical laboratory using standard chain of custody protocol. Additionally, in accordance with the DTSC's recommendations (DTSC, 2011), one (1) field duplicate sample will be collected per field day to ensure precision of analytical data.

### 2.5 Screening Results

Indoor air concentrations will be compared to the Regional Board's commercial Environmental Screening Levels (ESLs). If an indoor air sample exceeds a commercial ESL, the result will be compared to the ambient outdoor result to evaluate potential ambient sources. If the ambient outdoor results are below the commercial ESL, a confirmation indoor air sample will be collected. If the confirmation sample exceeds the commercial ESL, further actions will be discussed with the Regional Board.

## 3.0 REPORTING

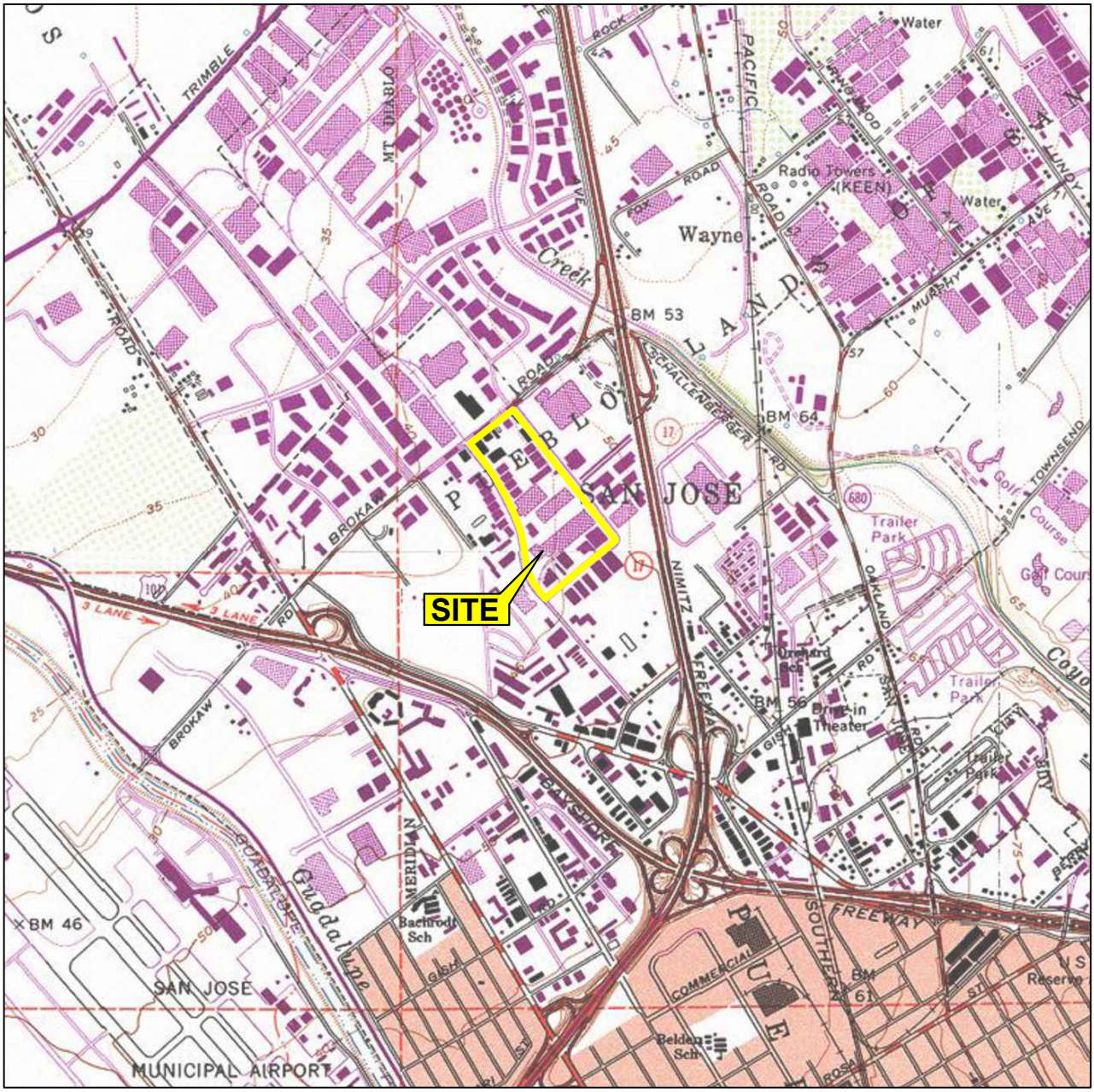
Results will be submitted to the Regional Board within six (6) weeks of receipt of the analytical report.

## 4.0 REFERENCES

Department of Toxic Substances Control (DTSC) and California Environmental Protection Agency (Cal EPA), 2011. *Vapor Intrusion Guidance Document,* October.

TRC, 2018. Sub-slab Vapor and Indoor Air Evaluation Report, Former Velcon Filters, Inc., San Jose, California. February 2.

**FIGURES**

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SCALE 1 : 24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Maps:
San Jose West and Milpitas Quadrangles
California


**VICINITY MAP**

Former Velcon Filters, Inc. Facility
1761 Junction Avenue
San Jose, California

TRC | 163227 | **FIGURE 1**

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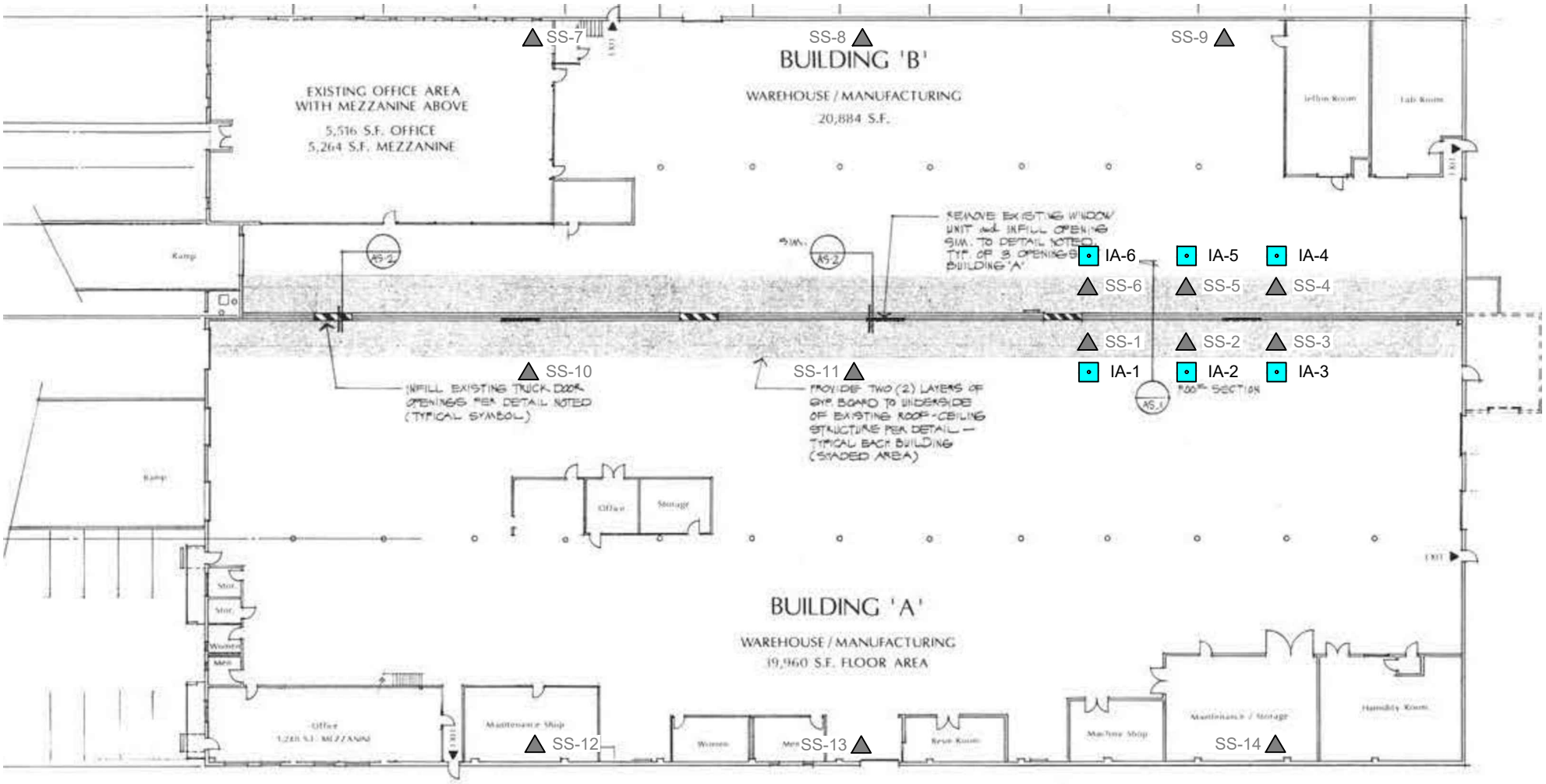


**LEGEND**

*Approximate locations of:*

- Indoor air sampling point
- Subslab sampling point

N

APPROXIMATE SCALE (FEET)

0 40 80

*SOURCE:*
*Undated floor plan by Devel Construction, Inc. and Banducci Associates Architects.*

**BUILDING FLOOR PLAN WITH PROPOSED INDOOR AIR SAMPLING LOCATIONS**
**1750 Rogers Avenue**

Former Velcon Filters, Inc. Facility
1761 Junction Avenue
San Jose, California

TRC | 163227 | **FIGURE 2**

FILE NAME: N:\Shared\CAD_DRAW\Current\Velcon\VIMMP_May19\Fig2_Building Floor Plan_.dwg | Layout Tab: 8x11

# APPENDIX A

# STANDARD OPERATING PROCEDURES FOR INDOOR AIR SAMPLING

**STANDARD OPERATING PROCEDURE:**
**INDOOR AIR SAMPLING**

## PURPOSE

The purpose of this Standard Operating Procedure (SOP) is to establish protocols for the collection of indoor air samples at the commercial/light industrial structures located at 1750 Rogers Avenue in San Jose, California. The following guidelines will ensure that the air samples are collected in a high-quality and consistent manner. However, this is a standard operating procedure that may be varied or changed as required, dependent on site conditions, equipment limitations, or limitations imposed by the procedure. If changes are required, field personnel will contact the task manager.

## PROCEDURES

### Summa Canister Air Sampling

1. Connect 6-liter Summa canister certified for indoor air sampling to 8-hour flow regulator.

2. Connect 8-hour flow regulator to particulate filter.

3. For Indoor Air Samples:
   - Place sampling apparatus on a secure platform to elevate intake point (top of particulate filter) to typical breathing zone (approximately 4 to 5 feet off the ground).
   - Collect samples from primary work areas and near points of suspected vapor entry (such as sumps and floor drains).
   - Secure the sampling apparatus from public tampering to the greatest extent possible.

4. Record the starting vacuum in the canister.

5. Open the sample canister valve.

6. Check and record the vacuum pressures on the air sampling Summa canisters one hour after the start of the sampling period to ensure that they are drawing the samples correctly and one hour before the eight (8) hour sampling period is over to ensure that sufficient vacuum remains.

7. Close the sample canister valve when the sample canister gauge indicates approximately 5 inches Hg of vacuum remain in the canister or after 8 hours; whichever occurs first. Record the final canister vacuum level at the end of the sampling event, and the final weather conditions from WeatherUnderground.com.

8. Disassemble the sampling apparatus and replace the laboratory-supplied brass plug on the canister.

9. Label the sample and record on the chain of custody form the sample name, final vacuum level, canister serial number, and flow controller serial number.

10. Store the sample in a container that blocks sunlight, do not subject the sample to significant changes in pressure and temperature, and do not chill the samples.

11. Use the nearest available weather station from WeatherUnderground.com to record the atmospheric pressure, humidity, temperature, and approximate wind speed and direction for the day of sample collection.

Laboratory analyses will be performed by a NELAP-accredited and state-certified fixed laboratory for the constituents listed below:

| **INDOOR AIR** | | |
|---|---|---|
| **Constituent** | **Analytical Method** | **Minimum Detection Limit** |
| Trichloroethene (TCE) | EPA Method TO-15 SIM | 0.0042 µg/m³ |
| Cis-1,2-dichloroethene (cis-1,2-DCE) | EPA Method TO-15 SIM | 0.0031 µg/m³ |
| Trans-1,2-dichloroethene (trans-1,2-DCE) | EPA Method TO-15 SIM | 0.0029 µg/m³ |
| Vinyl Chloride (VC) | EPA Method TO-15 SIM | 0.0026 µg/m³ |

**Notes:**
SIM = Selective Ion Mode
µg/m³ = micrograms per cubic meter
mg/m³ = milligrams per cubic meter

**REFERENCES**

Department of Toxic Substances Control (DTSC) and California Environmental Protection Agency (Cal EPA), 2011. Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance), October.

United States Environmental Protection Agency (EPA), 2002. Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils. November 29.

**APPENDIX B**

**RECORD OF VAPOR SAMPLING**

# Record of Vapor Sampling

Project Name: Personnel: Page ____ of _____

Project Location: Date:

| Canister Size: | | Weather Conditions | Atmospheric Pressure | Humidity | Temperature | Approx. Wind Speed | Approx. Wind Direction |
|---|---|---|---|---|---|---|---|
| Duration / Flow Regulator: | | Initial Conditions | | | | | |
| | | Final Conditions | | | | | |

| Sample Information | | | | | |
|---|---|---|---|---|---|
| Canister ID | Location | Indoor / Outdoor | Time | Vacuum | Notes |
| | | | | | |
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# APPENDIX E

# ANNUAL INSPECTION FORMS

# ANNUAL INSPECTION FORM
# 1750 Rogers Avenue
# 1759 Junction Avenue
# San Jose, California
# APN: 237-09-129 and 237-09-130

| | |
|---|---|
| **Name of Property Owner:** | |
| **Name of Businesses:** | |
| **Name of Inspector:** | |
| **Date of Inspection:** | |

**1. FLOORING AND FOUNDATION (1750 ROGERS AVENUE)**

**Description of Condition:**

**Date and Description of Any Recent Foundation or Utility Work:**

**Date and Description of Any Cracks or Penetrations Requiring Repair at 1750 Rogers Avenue:**

**2. EARTHWORK ACTIVIES (1750 ROGERS AVENUE AND 1759 JUNCTION AVENUE)**

**Date and Description of Any Recent Earthwork Activities:**

**3. IS THE SITE BEING USED FOR COMMERCIAL PURPOSES (I.E. NO SINGLE-FAMILY HOMES, HOSPITALS, DAY CARE CENTERS OR SCHOOLS)?** YES ☐ NO ☐

4. **ARE THERE WATER WELLS WITHIN THE AREA INDICATED ON THE LAND-USE COVENANT?** YES ☐ NO ☐

TRC

# APPENDIX F

# PROPERTY OWNER AGREEMENT FORMS