Timber Dell Properties, LLC
1255 Sherman St.
Alameda, Ca. 94501

July 12, 2007

Regarding

Soil Vapor Sampling Work
Searway Property
949 Pacific Avenue
Alameda, Ca. 94501

I declare under perjury that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Timber Dell Properties, LLC

Donald W. Lindsey, member

TRINITY
source group, inc.
Environmental Consultants

July 11, 2007
Trinity Project No. 103.004.006

Mr. Jerry Wickham
Alameda County Health Care Services Agency
Environmental Health Services, Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: *Sub-Slab Vapor Investigation Report*
Searway Property (SLIC Case No. RO0002584)
649 Pacific Avenue
Alameda, California

Dear Mr. Wickham:

This document, prepared by Trinity Source Group, Inc. (Trinity) on behalf of Timber Del Properties, L.L.C., c/o Mr. Donald Lindsey, presents a *Sub-Slab Vapor Investigation Report* for the referenced site (Figures 1 and 2). This report summarizes work proposed in the *Soil Vapor Sampling Workplan* dated May 15, 2006 and the *Soil Vapor Sampling Workplan Addendum* dated April 6, 2007, both submitted by Trinity on behalf of Timber Del Properties. In a letter dated March 17, 2006, the Alameda County Health Care Services Agency (ACHCSA) requested submittal of the earlier workplan to evaluate the potential for indoor air vapor intrusion of total volatile hydrocarbons due to the previously identified Stoddard solvent impacts to soil and groundwater beneath the site. Based on the results of the initial soil vapor sampling, additional work was proposed in the later workplan, as requested by ACHCSA via email. ACHCSA correspondence is included with this report as Attachment A. This report includes discussions of the site description, previous environmental investigation activities, the scope of work completed for each of the two soil vapor investigations, investigation results, conclusions, and recommendations for additional work.

SITE DESCRIPTION

The site is located at the intersection of Pacific Avenue and Webster Street in Alameda, California. The site was formerly the location of a dry cleaning operation from the 1940's until

at least 1979. The project site building is currently used as a Kelly-Moore Paints store. The general land use in the site vicinity is commercial and residential.

Previous investigations have shown total volatile hydrocarbons as Stoddard solvent (TVHss) to be present in shallow soil and groundwater beneath a portion of the site. Elevated concentrations of total extractable hydrocarbons (TEH) have also been detected in previously collected soil and grab-groundwater samples. The detection range of the TVH and TEH analytical methods overlap for the higher boiling point compounds contained in Stoddard solvent. Stoddard solvent is a mixture of C_7 to C_{12} hydrocarbons primarily containing straight and branched chain alkanes (30 to 50%), cycloalkanes (30 to 40%) and alkyl aromatic hydrocarbons (10 to 20%)[1]. The TVH analysis includes detection of C_7 to C_{12} hydrocarbons while the TEH analysis includes detection of C_{10} to C_{24} hydrocarbons. The TVH analysis is an appropriate and representative analysis for quantifying Stoddard solvent.

SUMMARY OF PREVIOUS INVESTIGATION ACTIVITIES

On March 8, 2003, Stellar Environmental Solutions, Inc. (Stellar) performed subsurface investigation activities at the site; investigation work was reported in Stellar's March 18, 2003 *Subsurface Site Investigation Report*. Four borings, designated BH-01 through BH-04 were advanced at the site. Soils encountered during drilling consisted of base rock fill to approximately 2.5 feet below ground surface (bgs), underlain by a fine-grained sand to a depth of approximately 5.5 feet bgs. The sand layer is underlain by clayey sand to depths ranging from 10 feet bgs to 15 feet bgs, the maximum depth explored. In boring BH-01, the clayey sand was underlain by a medium-grained sand from a depth of approximately 10 feet bgs to 12 feet bgs. Groundwater was encountered at depths ranging from 10 feet bgs to 13 feet bgs in each of the borings. Based on regional topography and information from monitoring activities performed at a site on the corner of Webster Street and Pacific Avenue from 1993 to 1995, groundwater flow at the site is generally west.

Soil samples were collected at depths ranging from 6.5 feet bgs to 12.5 feet bgs; and grab-groundwater samples were collected from each of the boreholes. All samples were analyzed in the laboratory for gasoline range and Stoddard solvent range total volatile hydrocarbons (TVHg and TVHss, respectively) and diesel range and motor oil range total extractable hydrocarbons (TEHd and TEHmo, respectively) by Environmental Protection Agency (EPA) Method 8015 modified; benzene, toluene, ethyl benzene, and xylenes (BTEX) and methyl tert-butyl ether (MTBE) by EPA Method 8021B; and volatile organic compounds (VOCs) by EPA Method 8260B. In soil, TVHg were detected in two of the four samples at concentrations of 4.7 parts per million (ppm) and 8,800 ppm. TVHss were detected in two of the four samples

[1] U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registery (June 1995), Toxicological Profile for Stoddard Solvent.

at concentrations of 3.1 ppm and 5,800 ppm. The laboratory reported that the TVHg and TVHss results did not match the chromatogram standard for gasoline and Stoddard solvent. BTEX compounds, MTBE, TEHd, and TEHmo were not detected in any of the soil samples collected. No detectable concentrations of VOCs were found in any of the soil samples collected.

In groundwater, TVHg were detected in two of the four samples at concentrations of 360 parts per billion (ppb) and 270 ppb. TVHss were detected at concentrations of 270 ppb and 280 ppb. BTEX compounds were detected in one of the four samples with benzene detected at a concentration of 0.68 ppb. MTBE was detected in three of the four samples at concentrations ranging from 2.1 ppb to 7.4 ppb. TEHd were detected in all four samples at concentrations ranging from 86 ppb to 8,400 ppb. TEHmo were detected in two of the four samples at concentrations of 470 ppb and 2,600 ppb. Grab-groundwater samples contained chloroform in one of four samples at a concentration of 1.0 ppb; trichloroethene (TCE) in two of four samples at concentrations of 1.3 ppb and 1.9 ppb; tetrachloroethene (PCE) in two of four samples at concentrations ranging of 1.9 ppb and 2.6 ppb, trans 1,2-dichloroethene (trans 1,2-DCE) in one of four samples at a concentration of 0.5 ppb and cis 1,2-dichloroethene (cis 1,2-DCE) in one of four samples at a concentration of 0.7 ppb. Four additional borings (BH-05 through BH-08) were advanced at the 1713 Webster Street address, adjacent to the subject site. These borings are outside the area of investigation related to 649 Pacific Avenue, and are not discussed further. Furthermore, no further investigation is required at this time for the suspected underground storage tank at 1713 Webster Street as indicated by ACHCSA in a letter dated March 17, 2006.

Based on the findings of the investigation, Stellar recommended review of additional environmental records to identify the sources of the impact discovered, the advancement of additional borings to define the lateral extent of Stoddard solvent impact, notification of relevant regulatory agencies regarding the findings, and an eventual site closure assessment after completion of additional assessment work.

On March 25, 2003, Stellar performed additional soil sampling along an exposed sanitary sewer trench at the site. This phase of the investigation was reported in Stellar's April 2, 2003 *Report of Soil Analytical Results, Sanitary Sewer Line Trench at 649 Pacific Avenue, Alameda, California.* Soil conditions along the trench were not logged during this phase of the investigation. A total of 9 soil samples were collected along the trench and 1 soil sample was collected from the base of the floor drain leading to the sanitary sewer line. Soil samples from along the sewer trench were collected from two depths at each of four locations. All samples were analyzed for TVHss, BTEX, and MTBE. TVHss was detected in three of the nine samples at concentrations ranging from 960 ppm to 2,700 ppm; all the samples with detected TVHss concentrations were from the lower soil strata at depths ranging from 7.5 feet to 8.0 feet bgs. Trace concentrations of ethyl benzene and xylenes were detected in the same three samples. MTBE was not detected in any of the samples collected.

Remedial investigation activities performed by Stellar between March and July 2003 were documented in Stellar's July 31, 2003 *Site Remedial Investigation Report*. Some of the data discussed in the July 31, 2003 report were previously reported in Stellar's March 18, 2003 and April 2, 2003 reports. The July 31, 2003 report summarized new findings and the findings of these previous investigation activities. A total of 16 additional soil borings were advanced on July 9 and July 10, 2003. Groundwater was encountered at depths ranging from ranging from 10 feet bgs to 13 feet bgs in each of the borings. A total of 14 soil samples collected from the borings were selected for laboratory analyses; samples were analyzed for TVHss, BTEX compounds, and MTBE. Four of the samples were also analyzed for TEH. TVHss were detected in two of the soil samples at concentrations of 17 ppm and 1,900 ppm. TEH range hydrocarbons were detected in three soil samples at concentrations ranging from 9.4 ppm to 3,700 ppm. BTEX compounds and MTBE were not detected in any of the soil samples analyzed. A total of 9 grab-groundwater samples were collected and analyzed for TVHss, BTEX compounds, and MTBE. Four of the grab-groundwater samples were also analyzed for TEH. TVHss were detected in one of the samples at a concentration of 99,000 ppb. TEH were detected in all four samples at concentrations ranging from 100 to 250 ppb. Trace concentrations of toluene (2 samples) and total xylenes (one sample) were detected. MTBE was detected in 7 of the 9 grab-groundwater samples at concentrations ranging from 3.3 ppb to 12 ppb. During July 2003, five additional borings (BH-13, BH-14, and BH-31 through BH-33) were advanced at the 1713 Webster Street address, adjacent to the subject site. These borings are outside the area of investigation related to 649 Pacific Avenue, and thus are not discussed by this report.

Based on the results of previous investigations, Stellar attributed the soil and groundwater impact to former uses of the 649 Pacific Avenue building and potential discharges from the sanitary sewer line. After review of investigation data, RRM, Inc. (RRM) has also concluded that the sanitary sewer is the most likely source of Stoddard solvent impact at the site.

Based on the findings of investigation activities performed at the site, Stellar prepared a corrective action plan (CAP) dated July 31, 2003. The corrective action for the site proposed by Stellar included excavation of soil from beneath the floor of the 649 Pacific Avenue site. Stellar estimated that approximately 150 tons of impacted soil would be removed during the excavation activities to remove impacted soil to concentrations at or below 100 ppm. Stellar also proposed confirmation soil sampling following the removal of impacted soils. After completion of soil excavation and site restoration activities, Stellar proposed the installation of four groundwater monitoring wells and the performance of quarterly groundwater monitoring activities to confirm the effectiveness of the remedial excavation.

Pursuant to the recommendations made by Stellar and RRM, Inc. (RRM), RRM recommended in the March 2004 work plan that a soil and groundwater investigation be performed. The general scope for this investigation included installing five groundwater monitoring wells, well development, sampling, and surveying, and laboratory analyses of soil and groundwater samples.

Borings MW-1 though MW-5 were advanced to 20 feet below ground surface, and completed as 2-inch diameter groundwater monitoring wells. Wells MW-1 and MW-2 were completed inside the building at 649 Pacific Avenue, and wells MW-3, MW-4 and MW-5 were located in the parking lot immediately west of the building. These well locations were selected to delineate soil and groundwater conditions in the vicinity and downgradient of the previously identified Stoddard solvent detections.

Selected soil samples were analyzed in the laboratory for TPHss and BTEX. Groundwater samples from each well were analyzed in the laboratory for TPHss, TPHg, and BTEX. Soils beneath the site consisted predominantly of silty sand to the maximum depth explored of 20 feet bgs. Wells MW-2, MW-3, MW-4 and MW-5 also penetrated a clayey sand layer ranging in thickness from approximately 1 to 4 feet, within the depth interval from 4 to 11 feet bgs. Groundwater was encountered and stabilized at depths of approximately 5.0 to 5.6 feet bgs on March 1, 2005. Groundwater flow direction was calculated toward the northeast at a gradient of approximately 0.004 feet/foot. The soil analytical data indicate non-detectable concentrations of TPHss in all borings except for Well MW-1, which had 380 ppm TPHss at a depth of 10 feet bgs, and 7 ppm TPHss at 20 feet bgs. BTEX concentrations were below detection limits in all soil samples analyzed. The groundwater analytical data indicate non-detectable concentrations of TPHss and TPHg in all wells except Well MW-1, which had 550 ppb TPHss. BTEX concentrations were also non-detectable, except for toluene in wells MW-1 and MW-2. These wells had 0.73 and 0.53 ppb toluene detected, respectively. Based on the results of this investigation, RRM recommended quarterly monitoring of the five wells for a period of at least one year to provide data for evaluation of plume stability.

Based on two years of groundwater monitoring in 2005 and 2006 of wells MW-1 through MW-5, groundwater levels have ranged from 5.30 feet to 7.89 feet below top of well casing. Groundwater flow has been consistently to the northeast at gradients magnitudes ranging from 0.01 to 0.07 feet/feet. Groundwater beneath the site may be tidally influenced based on the proximity of the San Francisco Bay. Only low levels of TPHss, TPHg, toluene, PCE, TCE and chloroform have been detected in groundwater. The dissolved plume is stable and decreasing. Soil data indicates that the bulk of Stoddard solvent affected soil was encountered between approximately 6.5 and 8 feet bgs, soil which is now submerged below groundwater.

In the *Groundwater Monitoring Results – Fourth Quarter 2005* report, RRM recommended that the site be evaluated for low-risk closure based on four quarters of groundwater monitoring data. In response, the ACHCSA requested submission of a work plan to evaluate the potential for indoor air vapor intrusion of total volatile hydrocarbons due to Stoddard solvent impacts to soil and groundwater.

Trinity submitted the requested workplan on May 15, 2006, and proposed the installation and sampling of three semi-permanent soil vapor probes. The work was completed in October 2006,

and is documented in this report. With the approval of ACHCSA, Trinity installed the sub-slab probes rather than semi-permanent soil gas probes in soil borings. In general, the sub-slab vapor probes (VS-1, VS-2, and VS-3) yielded elevated concentrations of Stoddard solvent as well as several chlorinated volatile organic compounds (VOCs) in the vadose zone immediately beneath the building foundation slab.

To further delineate the extent of the Stoddard solvent and VOCs beneath the site building, Trinity submitted a workplan addendum dated April 6, 2007 proposing the installation and sampling of six additional sub-slab vapor probes. These probes evaluated the concentrations of Stoddard solvent and VOCs in the vapor immediately beneath the foundation slab of the site building and beneath the adjacent parking lot. The results of this work are presented below.

SCOPE OF WORK

The scope of work for this investigation was conducted in two phases. The first phase included installation and sampling of three sub-slab vapor probes (VS-1, VS-2 and VS-3) inside the building at 649 Pacific Avenue. The second phase included installation and sampling of six additional sub-slab vapor probes (VS-4 through VS-9) in and around the site building per the *Soil Vapor Sampling Workplan Addendum* dated April 6, 2007. Sub-slab vapor probe locations are shown on Figure 2.

The following tasks detail the scope of work performed to complete the proposed Phase I sub-slab vapor investigation. Field procedures are included as Attachment B, and field data sheets are included as Attachment C.

- Prepared a Health and Safety Plan which was maintained on-site during field work activities.
- On September 3, 2006, installed sub-slab vapor probes VS-1 through VS-3 inside the building of Kelly-Moore Paints at 649 Pacific Avenue.
- On October 25, 2006, sampled probes VS-1 through VS-3 for the presence of Stoddard solvent using Modified EPA Method TO-3 and volatile organic compounds (VOCs) Modified EPA Method TO-15 Full Scan.
- Prepared and submitted a *Soil Vapor Sampling Workplan Addendum* to ACHCSA on April 6, 2007. The addendum included vapor sampling results for probes VS-1 through VS-3 and additional step-out proposed probe locations to further define the identified Stoddard solvent and VOCs vapor plume.
- On April 29, 2007, installed sub-slab vapor probes VS-4 through VS-8 inside the building of Kelly-Moore Paints at 649 Pacific Avenue, and probe VS-9 in the parking lot located west of the building near Well MW-4.

- On May 7, 2007, sampled probes VS-3 through VS-9 for the presence of (VOCs) using Modified EPA Method TO-15 Full Scan.
- On May 7, 2007, during vapor sampling using summa canisters, collected a tedlar bag sample from the sampling shroud atmosphere for probes VS-7 (VS-7-QC) and VS-8 (VS-8-QC) and analyzed the bag samples for the presence of isopropyl alcohol using Modified EPA Method TO-15 Full Scan.
- On June 4, 2007, sampled probes VS-3 through VS-9 for the presence of Stoddard solvent using Modified EPA Method TO-3, the leak test compound isopropyl alcohol using direct inject Modified EPA Method TO-15, and methane, oxygen and carbon dioxide using Modified Natural Gas Analysis method ASTM D-1946.
- On June 4, 2007, during vapor sampling using summa canisters, collected a tedlar bag sample from the sampling shroud atmosphere for probe VS-7 (VS-7-QC) and analyzed the bag sample for the presence of isopropyl alcohol using direct inject Modified EPA Method TO-15.
- All the aforementioned analyses were conducted by a California State-certified laboratory within 14 days of collection. Analytical reports and chain-of-custody documentation is presented as Attachment D.
- Prepared this Sub-Slab Vapor Investigation Report.

RESULTS

Phase I Sub-Slab Vapor Investigation

Phase I sub-slab vapor sampling was conducted on October 25, 2006. Analytical results for Stoddard solvent, VOCs, and the leak test compound isopropyl alcohol are discussed below.

Stoddard Solvent: Vapor sampling results for probes VS-1, VS-2, and VS-3 indicate that Stoddard solvent was detected in three out of three samples analyzed at concentrations ranging from 1,600 micrograms per cubic meter ($\mu g/m^3$) in probe VS-2 to 9,100 $\mu g/m^3$ in probe VS-3.

VOCs: Chloroform was detected in three out of three samples analyzed at concentrations ranging from 490 $\mu g/m^3$ in probe VS-3 to 2,500 $\mu g/m^3$ in probe VS-1.

Carbon Tetrachloride was detected in three out of three samples analyzed at concentrations ranging from 1,400 $\mu g/m^3$ in probe VS-3 to 42,000 $\mu g/m^3$ in probe VS-1.

PCE was detected in three out of three samples analyzed at concentrations ranging from 5,800 $\mu g/m^3$ in probe VS-2 to 11,000 $\mu g/m^3$ in probe VS-3.

Trans-1,2-DCE, cis-1,2-DCE, and TCE were detected in one out of three samples analyzed at concentrations of 70 $\mu g/m^3$, 47 $\mu g/m^3$, and 98 $\mu g/m^3$ in probe VS-3, respectively.

Isopropyl Alcohol: The leak test compound isopropyl alcohol was not detected in any of the samples analyzed during Phase I work.

Results of Phase I soil vapor sampling and the San Francisco Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESLs) which are shallow soil gas screening levels for evaluation of potential vapor intrusion concerns (Table E-2) for commercial and industrial land use scenarios (SFRWQCB – February 2005) are presented in Table 1. Chemical concentration maps showing the vapor concentrations in sub-slab samples for Stoddard solvent, chloroform, carbon tetrachloride, and PCE are presented as Figures 3 through 6, respectively.

Phase II Sub-Slab Vapor Investigation

Based on the results of the Phase I investigation, a Phase II investigation comprised of six additional probes was implemented to define the lateral extent of Stoddard solvent and VOCs beneath the building's concrete slab. Phase II sub-slab vapor sampling was conducted on May 7, and June 4, 2007. Analytical results for Stoddard solvent, VOCs, oxygen, methane, carbon dioxide, and the leak test compound isopropyl alcohol are discussed below.

Stoddard Solvent: Vapor sampling results for probes VS-3 through VS-9 indicate that Stoddard solvent was detected in six out of seven samples analyzed at concentrations ranging from 870 $\mu g/m^3$ in probe VS-5 to 21,000 $\mu g/m^3$ in probe VS-3. Stoddard solvent was not detected in probe VS-9 located in the parking lot.

VOCs: Chloroform was detected in seven out of seven samples analyzed at concentrations ranging from 8.3 $\mu g/m^3$ in probe VS-7 to 1,600 $\mu g/m^3$ in probe VS-5.

Carbon Tetrachloride was detected in six out of seven samples analyzed at concentrations ranging from 94 $\mu g/m^3$ in probe VS-8 to 15,000 $\mu g/m^3$ in probe VS-4. Carton Tetrachloride was not detected in probe VS-9 located in the parking lot.

PCE was detected in seven out of seven samples analyzed at concentrations ranging from 42 $\mu g/m^3$ in probe VS-9 to 9,500 $\mu g/m^3$ in probe VS-3.

Trans-1,2-DCE, cis-1,2-DCE and TCE were not detected in any of the Phase II vapor samples collected.

Acetone, at concentrations just above the detection limit, was detected in five out of seven samples at concentrations ranging from 16 $\mu g/m^3$ in probe VS-7 to 160 $\mu g/m^3$ in probe VS-9.

Freon 11 was only detected in probe VS-7 at a concentration of 20 $\mu g/m^3$.

Carbon Disulfide was detected in two out of seven samples analyzed at concentrations of 6.8 $\mu g/m^3$ in probe VS-7 and 73 $\mu g/m^3$ in probe VS-9.

Chloroethane and Methyl Ethyl Ketone were only detected in probe VS-9 at concentrations of 4.1 $\mu g/m^3$ and 12 $\mu g/m^3$, respectively.

Oxygen, Methane and Carbon Dioxide: Oxygen and carbon dioxide were detected in seven out of seven samples analyzed as shown in Table 2. Methane was not detected in any of the seven samples analyzed above the method detection limit of <0.00022%. The presence of methane in soil gas is a good indicator that anaerobic bacteria capable of degrading the constituents of concern (COCs) are present. The absence of methane does not indicate that the COCs are not naturally attenuating because methane is produced under strongly anaerobic conditions, the same conditions that allow the reductive dechlorination of VOC degradation products to occur. Oxygen concentrations were either 19 or 20% in each sample analyzed. Carbon dioxide concentrations ranged from 0.72% in probe VS-5 to 2.5% in probe VS-3. Background oxygen concentrations in soil gas typically range from 15 to 21% and background carbon dioxide is typically around 0.5%. Compared to typical background concentrations, lower oxygen in soil gas (less than 2% vol/vol) and higher carbon dioxide in soil gas (greater than 2%) coupled with elevated VOC vapors are an indicator that bacteria capable of degrading VOCs are present.

Isopropyl Alcohol: The leak test compound isopropyl alcohol was not detection in any of the samples analyzed for VOCs on October 25, 2006 and May 7, 2007. However, it was detected in five out of seven samples collected on June 4, 2007 for Stoddard solvent analysis at concentrations ranging from 42 $\mu g/m^3$ in probe VS-6 to 36,000 $\mu g/m^3$ in probe VS-3. The detections of isopropyl alcohol in samples collected from probes VS-3, VS-7 and VS-8 at concentrations of 36,000, 15,000, and 4,600 $\mu g/m^3$, respectively, may have biased low the Stoddard solvent results from these probe locations.

Isopropyl alcohol concentrations of 99,000 $\mu g/m^3$, 150,000 $\mu g/m^3$, and 530,000 $\mu g/m^3$ were detected in shroud Tedlar air bag confirmation samples VS-7QC (May 7, 2007 sample date), VS-7QC (June 4, 2007 sample date), and VS-8QC (May 7, 2007 sample date).

Results of Phase II soil vapor sampling and the SFRWQCB ESLs for commercial and industrial land use scenarios (SFRWQCB – February 2005) are presented in Table 1. Chemical concentration maps showing the vapor concentrations in sub-slab samples for Stoddard solvent, chloroform, carbon tetrachloride, and PCE are presented as Figures 3 through 6, respectively.

CONCLUSIONS

Based on the results of the Phase I and II soil gas investigation results, Stoddard solvent and VOCs are present beneath the concrete slab at the Kelly Moore Paints store building located at

649 Pacific Avenue. The sub-slab vapor COCs that have exceeded a particular ESL for commercial or industrial land use are as follows:

- Chloroform as detected in probes VS-1 and VS-5.
- Carbon tetrachloride as detected in probes VS-1 through VS-7.
- PCE as detected in probes VS-1 through VS-8.

The COC vapor plume located beneath 649 Pacific Avenue is not defined and needs further definition to the north and east. Additional vapor probe installation and sampling is warranted in portions of the buildings with addresses of 1713 Webster Street (East Ocean Seafood Restaurant) and 653 and 651 Pacific Avenue (Kelly Moore Paints).

Other constituents that have been detected in sub-slab vapor samples but which are not a concern for the site based on ESLs for commercial and industrial land use are Stoddard solvent, Trans-1,2-DCE, cis-1,2-DCE, TCE, acetone, Freon 11, carbon disulfide, chloroethane, and methyl ethyl ketone.

The high concentrations of isopropyl alcohol (up to 530,000 $\mu g/m^3$) detected in the shroud atmosphere Tedlar bag samples confirm that leak test compound was present beneath the sampling shroud during the collection of vapor samples.

The detections of isopropyl alcohol in samples collected from probes VS-3, VS-7 and VS-8 at high concentrations (>4,600 $\mu g/m^3$) may have biased low the Stoddard solvent results from these probe locations. Even though these sample results may be biased low, the highest Stoddard solvent detection from the Phase I investigation, where no leak test compound was detected, was 9,100 $\mu g/m^3$, which is well below the commercial/industrial land use ESL for Stoddard solvent of 75,000 $\mu g/m^3$. No detections of leak test compound for the remaining vapor samples indicate that the vapor sample analytical results are representative of sub-slab conditions.

Natural attenuation or degradation of sub-slab VOC vapors appears to be occurring based on the slightly elevated carbon dioxide levels observed in selected probe locations. High carbon dioxide readings (greater than 2%) compared to background (generally 0.5%) are an indicator that the bacteria capable of degrading COCs are present.

RECOMMENDATIONS

Based on the results of the Phase I and II soil gas investigation, Trinity recommends conducting the following scope of work:

- Conduct a Phase III sub-slab vapor sampling investigation to the north and east by installing five additional vapor probes at the locations shown on Figure 7. If necessary, install additional step-out vapor probes beneath the building until COCs are non-detect or

below their respective ESLs for commercial/industrial land use. The Phase III investigation will be conducted in a similar manner as the Phase II investigation described in Trinity's *Soil Vapor Sampling Workplan Addendum* dated April 6, 2007.

- Inspect the building foundation for all COC vapor entry points such as cracks in the slab or foundation, gaps in fieldstone walls, construction joints between walls and slabs, annulus space around utility pipes, open sumps, etc. Possible entry points will be monitored with a part per billion range photo-ionization detector.
- Seal off all possible entry routes, if possible, to prevent the entrance of sub-slab vapors and enhance the sub-slab negative pressure field when a sub-slab depressurization (SSD) system is in operation.
- Perform diagnostic testing of the air flow characteristics and capacity of the material(s) beneath the slab for the purpose of designing a SSD system. As indicated in the *Guidelines For The Design, Installation, and Operation of Sub-Slab Depressurization Systems*, Massachusetts Department of Environmental Protection, December 1995: "The purpose of the SSD system is to create a negative pressure field directly under the building in relation to the building ambient pressure. This negative pressure field becomes a "sink" for any gases present in the vicinity of the structure. VOCs caught in the advective sweep of this negative pressure field are collected and piped to an ambient air discharge point."

  The diagnostic testing results will determine the type of fan or blower used for the SSD system. Generally, one of two types of system will be specified: low pressure/high flow or high pressure/low flow.
- Based on the results of the aforementioned diagnostic testing, design, permit, install, and operate a SSD system to mitigate VOC vapor intrusion concerns for the site structure(s).

DISTRIBUTION

A copy of this report has been forwarded to the following:

Mr. Don Lindsey
Timber Del Properties, L.L.C.
2424 Central Avenue
Alameda, California 94501

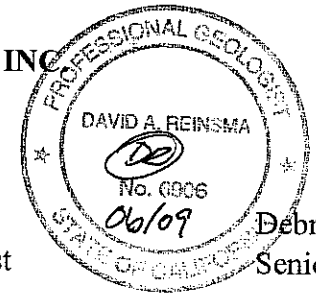
Mr. Mark Russel
The Mechanics Bank
343 Sansome Street, Suite 101
San Francisco, California 94101

Mr. Carl Searway
3032 Dakota Street
Oakland, California 94501

If you have any questions regarding this investigation report, please call Trinity at (831) 685-1217.

Sincerely,

TRINITY SOURCE GROUP, INC.



David A. Reinsma, PG
President and Principal Geologist

Debra J. Moser, PG, CEG, CHG
Senior Geologist

Attachments Table 1 – Sub-Slab Vapor Sample Analytical Data
(Stoddard Solvent and Volatile Organic Compounds)
Table 2 – Sub-Slab Vapor Sample Analytical Data
(Oxygen, Methane and Carbon Dioxide)

Figure 1 – Site Location Map
Figure 2 – Sub-Slab Vapor Probe Location Map
Figure 3 – Stoddard Solvent in Sub-Slab Vapor Concentration Map
Figure 4 – Chloroform in Sub-Slab Vapor Concentration Map
Figure 5 – Carbon Tetrachloride in Sub-Slab Vapor Concentration Map
Figure 6 – PCE in Sub-Slab Vapor Concentration Map
Figure 7 – Proposed Additional Sub-Slab Vapor Probe Location Map

Attachment A – ACHCSA Correspondence
Attachment B – Field Procedures
Attachment C – Field Data Sheets
Attachment D – Certified Analytical Reports and Chain-of-Custody Documentation

TABLES

Table 1
Sub-Slab Soil Vapor Probe Sample Analytical Data
(Stoddard Solvent and Volatile Organic Compounds)

Searway Property
649 Pacific Avenue
Alameda, California

Sample ID	Sample Date	Modified EPA Analytical Test Methods											
		TO-3	TO-15										
		Stoddard Solvent ($\mu g/m^3$)	Chloroform ($\mu g/m^3$)	Carbon Tetra-chloride ($\mu g/m^3$)	PCE ($\mu g/m^3$)	Trans-1,2-Dichloro-ethene ($\mu g/m^3$)	cis-1,2-Dichloro-ethene ($\mu g/m^3$)	TCE ($\mu g/m^3$)	Acetone ($\mu g/m^3$)	Freon 11 ($\mu g/m^3$)	Carbon Di-sulfide ($\mu g/m^3$)	Chloro-ethane ($\mu g/m^3$)	Leak Test Compounds 2-propanol ($\mu g/m3$)
Sub-Slab Soil Vapor Probe Samples													
VS-1	10/25/2006	4,100	**2,500**	**42,000**	**6,700**	< 87	< 87	< 120	<210	<120	<68	<58	<220
VS-1 DUP	10/25/2006	4,100	**2,400**	**40,000**	**7,000**	< 170	< 170	< 240	<420	<250	<140	<120	<430
VS-2	10/25/2006	1,600	740	**8,400**	**5,800**	< 17	< 17	< 23	<41	<24	<13	<11	<42
VS-3	10/25/2006	9,100	490	**1,400**	**11,000**	70	47	98	<56	<33	<18	<16	<58
VS-3	5/7/2007	--	430	**1,500**	**9,500**	51	47	88	41	<24	<13	<11	<42
VS-3	6/4/2007	21,000	--	--	--	--	--	--	--	--	--	--	36,000
VS-3 DUP	6/4/2007	21,000	--	--	--	--	--	--	--	--	--	--	36,000
VS-4	5/7/2007	--	93	**15,000**	**1,600**	<34	<34	<46	<82	<49	<27	<23	<85
VS-4	6/4/2007	980	--	--	--	--	--	--	--	--	--	--	<28
VS-5	5/7/2007	--	**1,600**	**5,300**	**1,700**	<12	<12	<16	30	<17	<9.3	<7.9	<29
VS-5	6/4/2007	870	--	--	--	--	--	--	--	--	--	--	160
VS-5 DUP	6/4/2007	--	--	--	--	--	--	--	--	--	--	--	140
VS-6	5/7/2007	*	420	**7,500**	**2,500**	< 17	< 17	<23	<41	<24	<13	<11	<42
VS-6	6/4/2007	920	--	--	--	--	--	--	--	--	--	--	42
VS-7	5/7/2007	--	8.3	**550**	**1,900**	<4.4	<4.4	<5.9	16	20	6.8	<2.9	<11
VS-7	6/4/2007	8,800	--	--	--	--	--	--	--	--	--	--	15,000
VS-8	5/7/2007	--	44	94	**1,500**	<4.4	<4.4	<6.0	18	<6.3	<3.5	<3.0	<11
VS-8	6/4/2007	2,800	--	--	--	--	--	--	--	--	--	--	4,600
VS-9[a]	5/7/2007	--	590	<7.0	42	<4.4	<4.4	<6.0	160	<6.3	73	4.1	<11
VS-9[a]	6/4/2007	<310	--	--	--	--	--	--	--	--	--	--	200

Table 1
Sub-Slab Soil Vapor Probe Sample Analytical Data
(Stoddard Solvent and Volatile Organic Compounds)

Searway Property
649 Pacific Avenue
Alameda, California

Sample ID	Sample Date	Modified EPA Analytical Test Methods											
		TO-3	TO-15										
		Stoddard Solvent ($\mu g/m^3$)	Chloroform ($\mu g/m^3$)	Carbon Tetra-chloride ($\mu g/m^3$)	PCE ($\mu g/m^3$)	Trans-1,2-Dichloro-ethene ($\mu g/m^3$)	cis-1,2-Dichloro-ethene ($\mu g/m^3$)	TCE ($\mu g/m^3$)	Acetone ($\mu g/m^3$)	Freon 11 ($\mu g/m^3$)	Carbon Di-sulfide ($\mu g/m^3$)	Chloro-ethane ($\mu g/m^3$)	Leak Test Compounds 2-propanol ($\mu g/m3$)
Shroud Atmosphere Samples for Leak Test Compound Confirmation													
VS-7QC	5/7/2007	--	--	--	--	--	--	--	--	--	--	--	99,000
VS-7-QC	6/4/2007	--	--	--	--	--	--	--	--	--	--	--	150,000
VS-8QC	5/7/2007	--	--	--	--	--	--	--	--	--	--	--	530,000 E
SFRWQCB ESLs ($\mu g/m^3$) Commercial/Industrial Property Use													
		72,000	1,500	190	1,400	41,000	20,000	4,100	1,800,000	NA	NA	9,900	NA

Notes:

DUP = Duplicate sample
EPA = Environmental Protection Agency
PCE = Tetrachloroethene
TCE = Trichloroethene
$\mu g/m^3$ = micrograms per cubic meter
< = not detected at or above value shown
NA = not available or applicable
-- = not analyzed
E = exceeds instrument calibration range

SFRWQCB ESLs = San Francisco Regional Water Quality Control Board Environmental Screening Levels (ESLs), shallow gas screening levels for evaluation of potential vapor intrusion concerns (Table E-2), Commercial/Industrial Land use, - February 2005

BOLD = chemical exceeds its respective ESL

a = 2-Butanone (Methyl Ethyl Ketone) at 12 $\mu g/m^3$

The leak test compound, Isopropyl Alcohol (2-propanol), was not dected in any sub-slab probe sample analyzed

Table 2
Sub-Slab Vapor Sample Analytical Data
(Oxygen, Methane Carbon Dioxide)

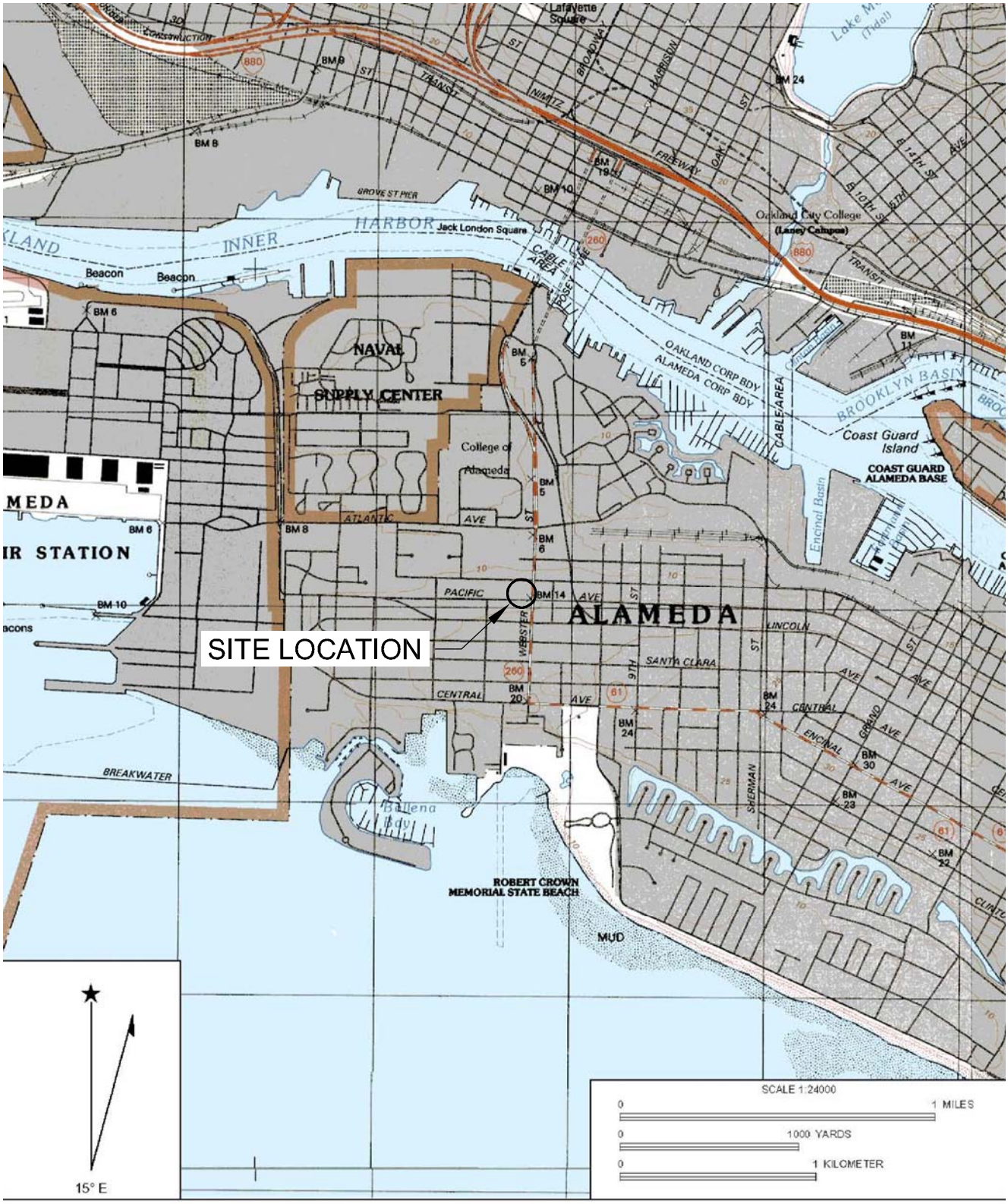
Searway Property
649 Pacific Avenue
Alameda, California

Sample ID	Sample Date	Modified ASTM D-1946		
		Oxygen (%)	Methane (%)	Carbon Dioxide (%)
VS-3	6/4/2007	19	<0.00022	2.5
VS-4	6/4/2007	20	<0.00022	1.5
VS-5	6/4/2007	20	<0.00022	0.72
VS-6	6/4/2007	19	<0.00022	1.8
VS-7	6/4/2007	19	<0.00022	1.7
VS-8	6/4/2007	20	<0.00022	1.3
VS-9	6/4/2007	19	<0.00022	2.3
VS-9 Duplicate	6/4/2007	19	<0.00022	2.3

Notes:

ASTM = American Society for Testing Material
% = percent
< = not detected at or above value shown

FIGURES



Name: OAKLAND WEST
Date: 5/4/2006

Location: 037° 46' 34.86" N 122° 16' 37.65" W NAD 27
Caption: San Francisco Bay, Oakland West Quadrangle - 1:24,000

REF. 103_002\SLM.DWG
BASEMAP FROM MAPTECH, INC.

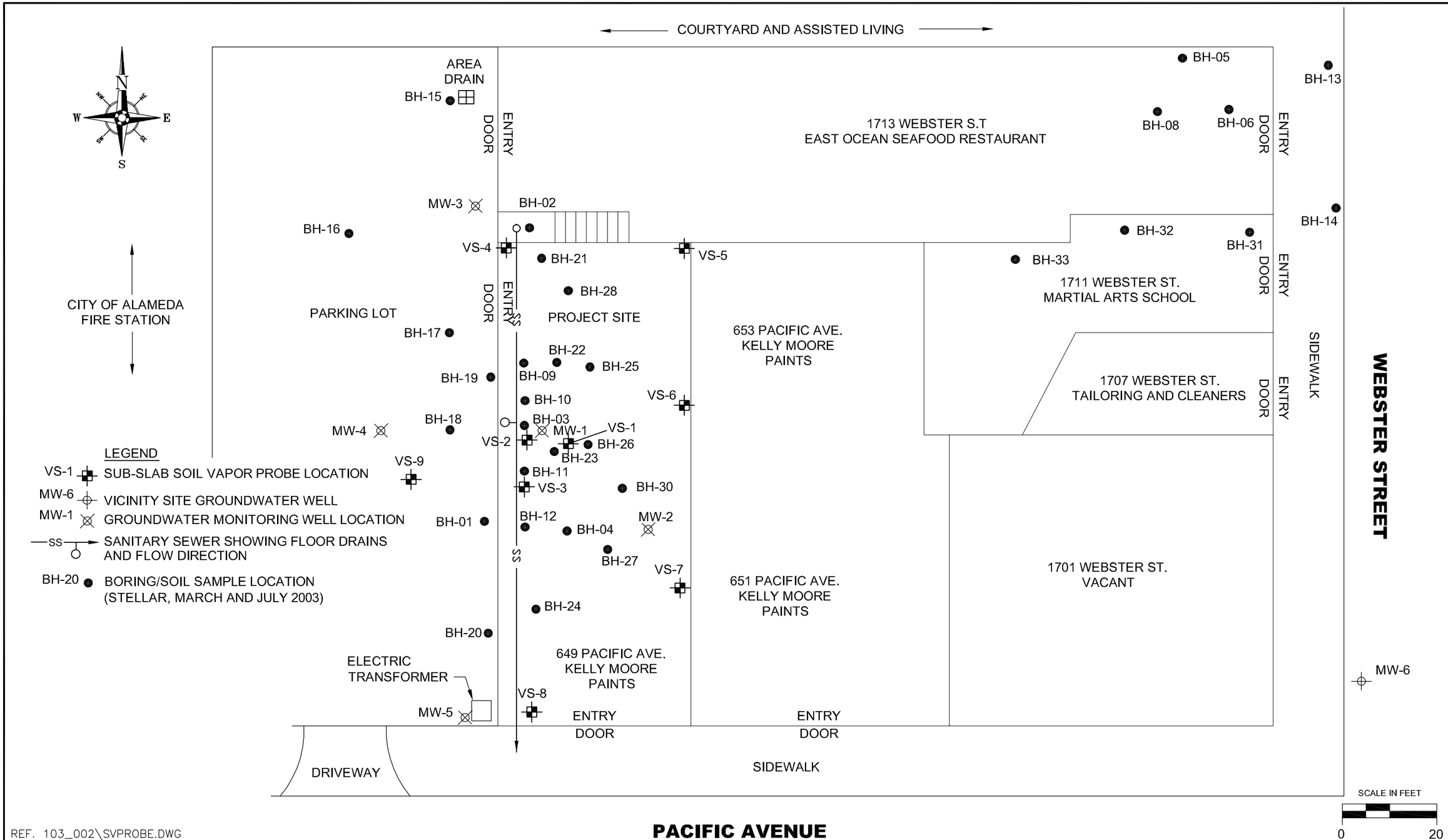
PREPARED BY
TRINITY source group, inc.
910 Mesa Grande Road
Aptos, CA. 95003
Tel: (831) 685-1217 Fax: (831) 685-1219

SITE LOCATION MAP

Searway Property
649 Pacific Avenue
Alameda, California

PROJECT:
103.004.006

FIGURE:
1



REF. 103_002\SVPROBE.DWG
BASEMAP FROM RRM, INC.

PREPARED BY

TRINITY source group, inc.
910 Mesa Grande Road
Aptos, CA. 95003
Tel: (831) 685-1217 Fax: (831) 685-1219

SUB-SLAB VAPOR PROBE LOCATION MAP

Searway Property
649 Pacific Avenue
Alameda, California

PROJECT: 103.004.006

FIGURE: 2

COURTYARD AND ASSISTED LIVING

AREA DRAIN

1713 WEBSTER S.T
EAST OCEAN SEAFOOD RESTAURANT

ENTRY DOOR

MW-3

VS-4
980

VS-5
870

CITY OF ALAMEDA
FIRE STATION

PARKING LOT

PROJECT SITE

653 PACIFIC AVE.
KELLY MOORE
PAINTS

1711 WEBSTER ST.
MARTIAL ARTS SCHOOL

1707 WEBSTER ST.
TAILORING AND CLEANERS

SIDEWALK

VS-6
920

MW-4

MW-1

VS-1
4,100 (10-25-06)

VS-2
1,600 (10-25-06)

VS-9
<310

VS-3
9,100 (10-25-06)
21,000* (6-4-07)

MW-2

SS

VS-7
8,800*

651 PACIFIC AVE.
KELLY MOORE
PAINTS

1701 WEBSTER ST.
VACANT

649 PACIFIC AVE.
KELLY MOORE
PAINTS

2,800*
VS-8

MW-5

MW-6

ENTRY DOOR

DRIVEWAY

SIDEWALK

WEBSTER STREET

LEGEND

VS-1 SUB-SLAB SOIL VAPOR PROBE LOCATION

MW-6 VICINITY SITE GROUNDWATER WELL

MW-1 GROUNDWATER MONITORING WELL LOCATION

SS SANITARY SEWER SHOWING FLOOR DRAINS AND FLOW DIRECTION

2,800 STODDARD SOLVENT CONCENTRATION IN SUB-SLAB VAPOR IN MICROGRAMS PER CUBIC METER [ug/m ^{3}], (SAMPLE DATES: 10-25-06 AND 6-4-07)

* LEAK TEST COMPOUND DETECTED AT AN ELEVATED CONCENRATION; RESULT MAY BE BIASED LOW

STODDARD SOLVENT ENVIRONMENTAL SCREENING LEVEL FOR COMMERCIAL/INDUSTRIAL PROPERTY USE=72,000 ug/m ^{3}

SCALE IN FEET

0 20

REF. 103_002\SVPROBE.DWG
BASEMAP FROM RRM, INC.

PACIFIC AVENUE

PREPARED BY

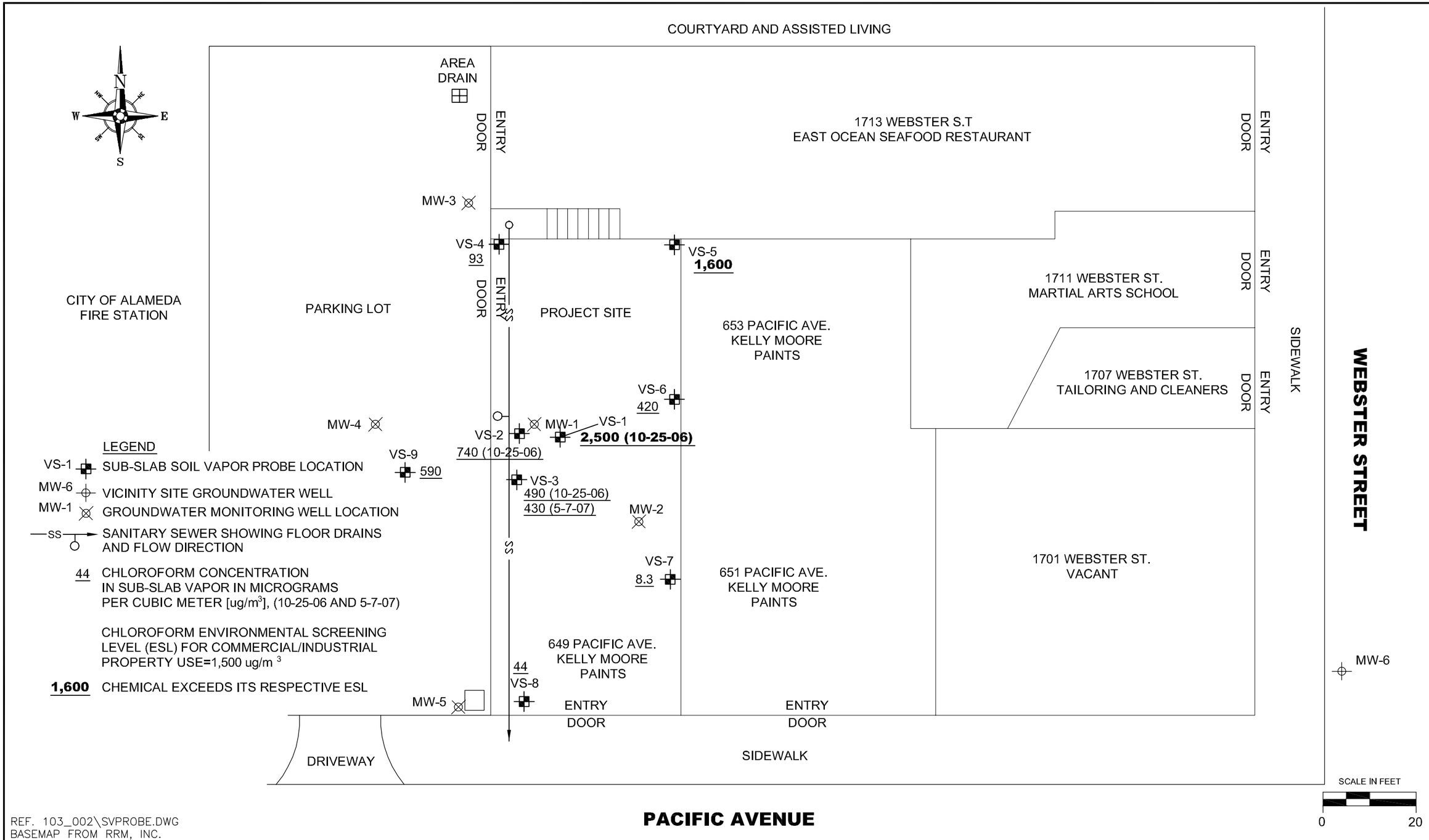
TRINITY source group, inc.
910 Mesa Grande Road
Aptos, CA. 95003
Tel: (831) 685-1217 Fax: (831) 685-1219

STODDARD SOLVENT IN SUB-SLAB VAPOR CONCENTRATION MAP

Searway Property
649 Pacific Avenue
Alameda, California

PROJECT: 103.004.006

FIGURE: 3



REF. 103_002\SVPROBE.DWG
BASEMAP FROM RRM, INC.

PACIFIC AVENUE

PREPARED BY

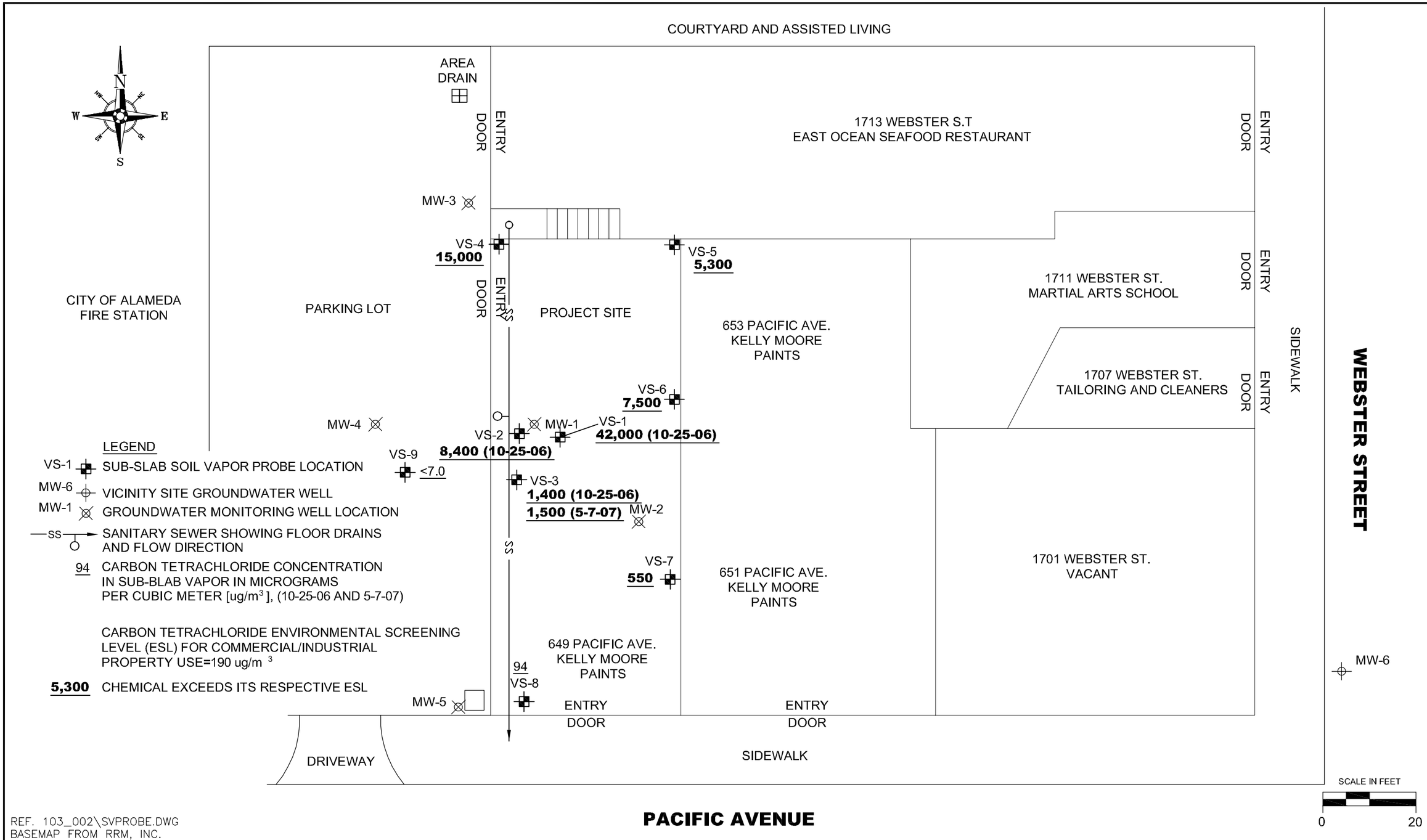
TRINITY source group, inc.
910 Mesa Grande Road
Aptos, CA. 95003
Tel: (831) 685-1217 Fax: (831) 685-1219

CHLOROFORM IN SUB-SLAB VAPOR CONCENTRATION MAP

Searway Property
649 Pacific Avenue
Alameda, California

PROJECT: 103.004.006

FIGURE: 4



REF. 103_002\SVPROBE.DWG
BASEMAP FROM RRM, INC.

PACIFIC AVENUE

PREPARED BY

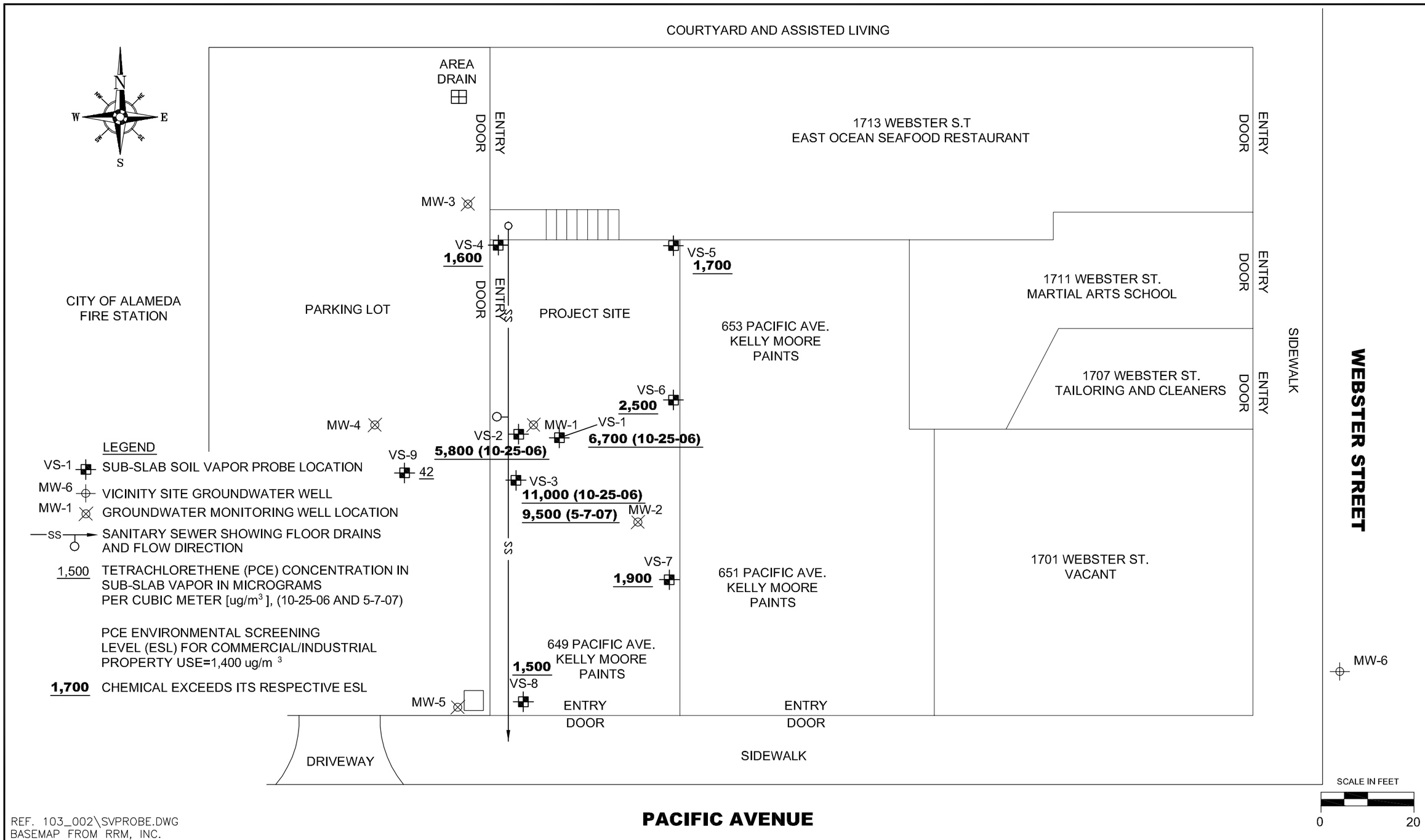
TRINITY source group, inc.
910 Mesa Grande Road
Aptos, CA. 95003
Tel: (831) 685-1217 Fax: (831) 685-1219

CARBON TETRACHLORIDE IN SUB-SLAB VAPOR CONCENTRATION MAP

Searway Property
649 Pacific Avenue
Alameda, California

PROJECT: 103.004.006

FIGURE: 5



REF. 103_002\SVPROBE.DWG
BASEMAP FROM RRM, INC.

PACIFIC AVENUE

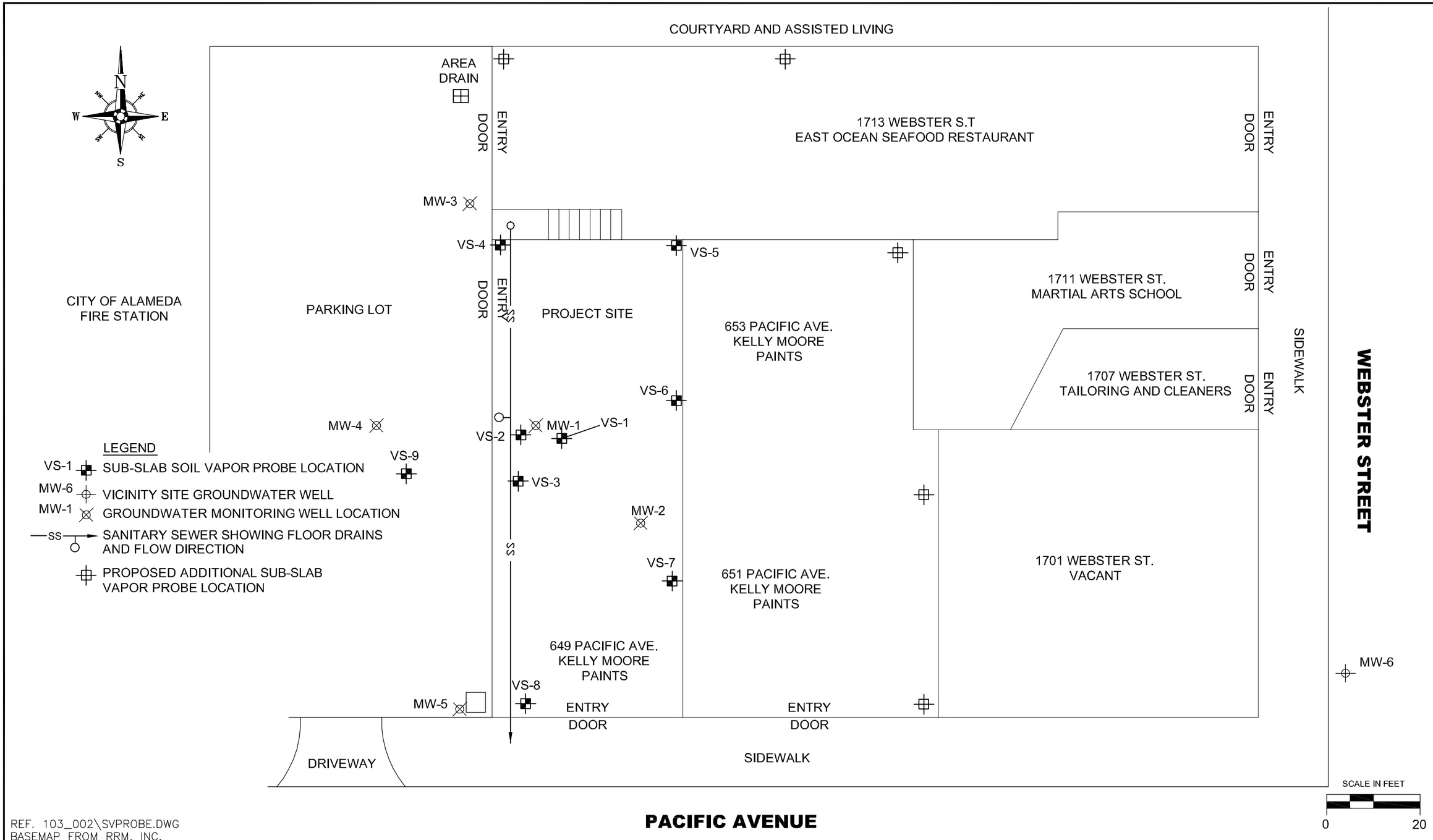
PREPARED BY
TRINITY source group, inc.
910 Mesa Grande Road
Aptos, CA. 95003
Tel: (831) 685-1217 Fax: (831) 685-1219

PCE IN SUB-SLAB VAPOR CONCENTRATION MAP

Searway Property
649 Pacific Avenue
Alameda, California

PROJECT: 103.004.006

FIGURE: 6



REF. 103_002\SVPROBE.DWG
BASEMAP FROM RRM, INC.

PREPARED BY
TRINITY source group, inc.
910 Mesa Grande Road
Aptos, CA. 95003
Tel: (831) 685-1217 Fax: (831) 685-1219

PROPOSED ADDITIONAL SUB-SLAB VAPOR PROBE LOCATION MAP

Searway Property
649 Pacific Avenue
Alameda, California

PROJECT: 103.004.006

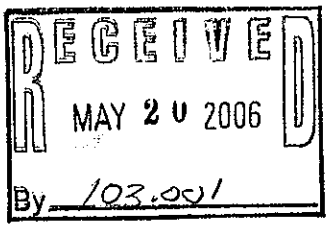
FIGURE: 7

ATTACHMENT A

ACHCSA CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335



May 19, 2006

Mr. Donald Lindsey
Gallegher and Lindsey
2424 Central Avenue
Alameda, CA 94501

Mr. Carl Searway
3032 Dakota Street
Oakland, Ca 94602

Subject: SLIC Case No. RO0002584, Searway Property, 649 Pacific Avenue, Alameda, CA – Work Plan Approval

Dear Mr. Lindsey and Mr. Searway:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the document entitled, "Soil Vapor Sampling Workplan," dated May 15, 2006 and prepared on your behalf by Trinity Source Group, Inc. The Work Plan proposes to advance three soil borings within the area where soil and groundwater contamination was previously detected and collect soil vapor samples for laboratory analysis of total volatile hydrocarbons as Stoddard solvent, BTEX, and MTBE. We concur with the proposed scope of work.

We request that you perform the proposed work and send us the reports described below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **July 15, 2006** – Semiannual Monitoring Report for Second Quarter 2006
- **September 19, 2006** – Soil Vapor Sampling Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper

copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,

Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: David Reinsma, Trinity Source Group, 910 Mesa Grande Road, Aptos, CA 95003

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

David Reinsma

From: Wickham, Jerry, Env. Health [jerry.wickham@acgov.org]
Sent: Tuesday, September 19, 2006 4:52 PM
To: David Reinsma
Cc: djb@tsgcorp.net; Debra Moser
Subject: RE: 649 Pacific Avenue, Alameda - update

Based upon your request, the schedule for submittal of the Site Investigation report is extended to October 19, 2006.

Regards,
Jerry Wickham
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 Fax
jerry.wickham@acgov.org

From: David Reinsma [mailto:dar@tsgcorp.net]
Sent: Tuesday, September 19, 2006 3:19 PM
To: Wickham, Jerry, Env. Health
Cc: djb@tsgcorp.net; 'Debra Moser'
Subject: 649 Pacific Avenue, Alameda - update

Jerry,
I wanted to give you an update on this project. We installed the concrete-slab soil gas probes at the site on 9/7/06 and collected soil gas samples the same day using Summa canisters. The soil gas samples were submitted to Torrent Laboratories for analyses. I'm still waiting for all the data from Torrent and I hope to have it this week. The report was due today, September 19, 2006, for documentation of the soil gas probe sampling as documented in our Work Plan dated May 15, 2006.

I am requesting a report due date extension until October 19, 2006 for the aforementioned technical report. This will allow me sufficient time to prepare a draft document, have my client review it and then send a final report to you via Geotracker.

If you have any questions, please call.

Thank you,

David

David A. Reinsma
President, and Principal Geologist

Trinity Source Group, Inc.
910 Mesa Grande Road
Aptos, CA 95003

Tel: (831) 685-1217
Fax: (831) 685-1219

Cell: (831) 227-4724

David Reinsma

From: Wickham, Jerry, Env. Health [jerry.wickham@acgov.org]
Sent: Thursday, January 04, 2007 1:25 PM
To: David Reinsma
Cc: Don Lindsey
Subject: RE: Soil gas sampling results - 649 Pacific Avenue

David,

Yes, I would like to discuss these results. I am available from 8:30 am to 9:30 am or anytime between 1:30 and 5:30 pm tomorrow, 1/5. Otherwise, I am not available until Tuesday 1/9 in the afternoon.

Regards,
Jerry

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 fax
jerry.wickham@acgov.org

From: David Reinsma [mailto:dar@tsgcorp.net]
Sent: Thursday, January 04, 2007 12:01 PM
To: Wickham, Jerry, Env. Health
Cc: 'Don Lindsey'
Subject: Soil gas sampling results - 649 Pacific Avenue

Jerry,
Attached is a table and figure showing the results of our second round of soil gas sampling at the 649 Pacific Avenue property (former Searway Property) in Alameda, CA. The first round of soil gas sampling data was not valid as the laboratory had some holding time errors and data validation errors. We changed labs to Air Toxics and the second soil gas sampling event and resulting soil gas data appear to be accurate and representative of site conditions. For your information, the building is now a Kelly Moore Paint Store; something to consider for indoor air sampling if ever necessary.

As you'll see when you look at the soil gas data, we exceed soil gas ESLs for evaluation of potential vapor intrusion concerns for three chemicals: Chloroform, Carbon Tetrachloride, and Tetrachloroethene (PCE). We did not exceed the Stoddard Solvent ESL for any of the soil gas samples. The leak test compound used during field sampling, 2-propanol, was not detected in any sample analyzed, indicating a tight soil gas sampling event for each sub-slab soil gas sampling point.

What appears to have happened here is that the above chemicals are locked up in clay soils beneath the concrete slab of the building. Historic grab-gw samples did contain trace (very low) levels of these compounds as indicated on the attached tables. It does not appear that soil samples contained VOCs. I added an 8260B full scan to the groundwater sampling event we just completed at the site in December 2006 to determine if these chemicals have made it to groundwater in site wells.

I want to discuss with you what the next steps should be on this project. I was moving the site toward closure but now we seem to have a soil gas problem to address. When do you have time for a call to discuss the above?

Regards,

David

David A. Reinsma
President, and Principal Geologist

Trinity Source Group, Inc.
910 Mesa Grande Road
Aptos, CA 95003

Tel: (831) 685-1217
Fax: (831) 685-1219
Cell: (831) 227-4724

David Reinsma

From: Wickham, Jerry, Env. Health [jerry.wickham@acgov.org]
Sent: Friday, March 16, 2007 5:07 PM
To: David Reinsma
Subject: RE: 649 Pacific Avenue, Alameda, CA

David,

The proposed sub slab soil vapor sampling locations are acceptable; however, we request that one sampling location be added in the northeastern corner of the 649 Pacific space. The soil gas sampling report, which was requested in our correspondence dated May 19, 2006, is overdue by several months. Based on the preliminary soil vapor sampling results, we request that you make completion of the soil vapor sampling and report a priority.

Regards,
Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 fax
jerry.wickham@acgov.org

From: David Reinsma [mailto:dar@tsgcorp.net]
Sent: Friday, March 16, 2007 4:15 PM
To: Wickham, Jerry, Env. Health
Subject: 649 Pacific Avenue, Alameda, CA

Jerry,

Thanks for the phone call today regarding the additional soil gas sampling step-out we need to do at the subject site. I appreciate your patience on this next scope of work. I'll give my client a phone call today and let him know that we need to perform this additional scope of work and finalize our report sooner than later.

Attached is a figure showing additional proposed sub-slab soil vapor probe locations for your review. If you want to change the location or number of proposed probes, please give me a call to discuss.

Thank you,

David

David A. Reinsma
President, and Principal Geologist

Trinity Source Group, Inc.
910 Mesa Grande Road
Aptos, CA 95003

Tel: (831) 685-1217
Fax: (831) 685-1219
Cell: (831) 227-4724

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

FILE COPY

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

April 11, 2007

Mr. Donald Lindsey
Timber Del Properties, LLC
2424 Central Avenue
Alameda, CA 94501

Mr. Carl Searway
3032 Dakota Street
Oakland, Ca 94602

Subject: SLIC Case No. RO0002584 and Geotracker Global ID SL0600150413, Searway Property, 649 Pacific Avenue, Alameda, CA 94501 – Work Plan Approval

Dear Mr. Lindsey and Mr. Searway:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Soil Vapor Sampling Workplan Addendum," dated April 6, 2007 and prepared on your behalf by Trinity Source Group, Inc. The Work Plan proposes to advance six additional subslab probes for the collection of soil vapor samples. Soil vapor samples are to be collected from the six additional soil vapor probes and existing soil vapor probe VS-3. This investigation is required to evaluate elevated concentrations of carbon tetrachloride and tetrachloroethene that were detected in samples collected from three existing subslab soil vapor probes located within an active paint store at the site. The proposed scope of work in the "Soil Vapor Sampling Workplan Addendum," is acceptable.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Groundwater Monitoring.** Please continue semi-annual groundwater monitoring using the existing wells at the site. The groundwater samples are to be analyzed for TPH as Stoddard solvent by EPA Method 8015M and the full target list of volatile organic compounds by EPA Method 8260B. Please present results of the semi-annual groundwater sampling in the monitoring reports requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **July 11, 2007** – Soil Vapor Sampling Report
- **August 15, 2007** – Semiannual Monitoring Report for First to Second Quarter 2007
- **February 15, 2008** – Semiannual Monitoring Report for Third to Fourth Quarter 2007

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,

Jerry Wickham

Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: David Reinsma, Trinity Source Group, 910 Mesa Grande Road, Aptos, CA 95003

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ATTACHMENT B

FIELD PROCEDURES

ATTACHMENT B
FIELD PROCEDURES

Phase I and II Pre-Field Activities

Permitting

Permits for the installation of sub-slab vapor probes were not required.

Health and Safety Plan

Site safety procedures involved the preparation of a site-specific health and safety plan identifying potential chemical and physical hazards which may be encountered during the course of field activities. All Trinity personnel involved in conducting the field activities met OSHA 40 Hour Hazardous Waste Operations and Emergency Response Training.

Phase I and II Sub-Slab Vapor Sampling Protocol

Preparation of Site Building for Interior Work

The 649 Pacific Avenue structure is currently being used as a Kelly-Moore Paints store. Therefore, any obstructions and/or floor coverings were cleared or removed prior to initiation of probe installation.

Sub-Slab Vapor Sampling

Sub-slab vapor probes VS-1, VS-2 and VS-3 were installed on September 3, 2006, and probes VS-4 through VS-9 were installed on April 29, 2007.

All nine sub-slab soil gas probes were installed to float in the concrete slab and asphalt parking area. The installation procedure was consistent with that described by USEPA[2]. Sampling and analysis procedure generally followed the guidelines contained in San Mateo County's "Using a Geoprobe to Collect Subsurface Vapor Samples for Human Health Risk Evaluation" (GPP

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[2] United States Environmental Protection Agency (2006), Assessment of Vapor Intrusion in Homes Near the Raymark Superfund Site Using Basement and Sub-Slab Air Samples, and

United States Environmental Protection Agency, Draft Standard Operating Procedure for Installation of Sub-Slab Vapor Probes and Sampling Using EPA Method TO-15 to Support Vapor Intrusion Investigations.

Guidelines, Draft GPP Staff Guidance updated 3/9/06)[3], San Mateo County's Draft "Subsurface Vapor Sampling for Human Health Risk Evaluation" (Revised 11/14/06) and the California Department of Toxic Substances Control (DTSC) Advisory for Active Soil Gas Investigations dated January 28, 2003[4].

The probe installation and sub-slab vapor sample collection procedures are summarized below:

Previous investigation indicated that the concrete slab is 4 to 5 inches thick. Therefore, to install a sub-slab probe, a one-inch diameter hole in the concrete slab was drilled to a depth of approximately 2 to 3 inches using a rotary drill. Prior to penetrating the concrete slab, the drill hole was vacuumed out to remove cuttings. The drill bit was then changed to 5/16-inch, and the hole was advanced approximately an additional 2 to 3 inches through the slab and into the underlying sub-slab material. The sub-slab soil gas probe was assembled using a 2-inch long by ¼-inch inner-diameter (ID) stainless steel or copper tube attached to a stainless steel threaded fitting and Swagelok cap or plug. This assembly was placed into the drilled hole, and grouted into place using non-shrink, quick-setting cement. The cement installation was recessed so that the plug was accessible. The top of the plug was set flush with the top of the concrete slab.

The slab venting probes were allowed to equilibrate for a minimum of one week prior to sample collection.

Mobilization for sub-slab sampling was not conducted if measurable precipitation or site irrigation near the sampling locations occurred in the previous 5 days.

Sampling Set-up: Prior to sampling, the plug on the sub-slab vapor probe was removed and quickly replaced with a closed Swagelok valve. A tee fitting was connected to two one-liter Summa canisters with a pressure gauge installed on top of each of these fittings. Trinity used one-liter purge and sample canisters for this application, in order to collect a sub-slab sample that was most representative of the local area penetrated.

The two Summa canisters were connected by less then 1 foot of copper tubing and a third tee fitting. The vacuum reading on each canister was confirmed and recorded before proceeding. The initial vacuum reading was between 26 to 35 inches mercury (Hg). On the downhole side of the third tee fitting, a 100 to 200 milliliter per minute (ml/min) flow regulator followed by a laboratory supplied particulate filter was installed. On the downhole side of the particulate filter, a vapor-tight valve was installed to connect the sampling equipment with the sub-slab probe tube.

Vacuum Leak Testing: A vacuum test was conducted on the connections between the Summa canisters and the valve on the downhole side of the regulator for 10 minutes by opening and closing the purge canister valve to place a test vacuum on the assembly.

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[3] San Mateo County (2006), Using a Geoprobe to Collect Subsurface Vapor Samples for Human Health Risk Evaluation (GPP Guidelines).

[4] California Environmental Protection Agency, Department of Toxic Substances Control (2003), Advisory – Active Soil Gas Investigations.

Purging: If the vacuum test was successful, purging followed. The purge canister valve and the valve on the downhole side of the particulate filter was opened and the time was recorded. The purge canister valve was closed after three volumes of air were purged from the sample apparatus and drilled probe hole. The purge volume was calculated based on the internal volume of the drilled hole, tubing and probe apparatus. The amount of air purged was measured based on the time that the flow-control orifice was opened, with a flow rate of 100-ml/minute, and based on a discernable vacuum drop on the purge canister pressure gauge. The time at which purging was terminated was recorded on field data sheets (Attachment C).

Soil Gas Sampling: If the vacuum test was successful and at least 30 minutes has passed since the top bentonite seal was hydrated, purging began. The purge canister valve and the valve on the downhole side of the particulate filter was opened and the time was recorded on field data sheets. The purge canister valve was closed after three volumes of air were purged from the sample apparatus and vapor probe. The purge volume was calculated based on the volume of the probe tip and the internal volume of the tubing. The amount of air purged was determined by the incremental drop in vacuum readings on the purge Summa canister. The time at which purging terminated will be recorded.

Following purging, the sample Summa canister valve was opened to begin sample collection. The time at which sample collection began was recorded. Leak test compound (isopropyl alcohol) moistened gauze was placed at the top of the bentonite seal surrounding the probe tubing and on the downhole side of the valve located on the borehole side of the particulate filter. Aluminum foil was used to hold the gauze in place. The gauze was remoistened with leak test compound every five minutes.

Once the sample Summa canister pressure gauge indicated approximately 5 inches of mercury, the sample canister valve was closed and the time recorded. The tee fitting on the sample canister was replaced with a laboratory supplied brass plug. The sample canister was labeled and chain-of-custody maintained by recording: sample name, sample date, sample time, final vacuum, canister and flow controller serial numbers, initials of sample collector, and the compounds to be analyzed by the certified laboratory. The sample canisters was stored in a container that blocks sunlight to the opaque canister. None of the Summa canisters were subject to changes in pressure and temperature. The sample canisters were delivered to the analytical laboratory via ground transportation under chain-of-custody documentation.

The flow-control orifice was maintained at 100 to 200 ml/min, and was kept open until the sample Summa canister pressure gauge indicated approximately 5 inches Hg. Once 5 inches of Hg was achieved, the sample canister valve was closed and the time recorded. The tee fitting on the sample canister was replaced with a laboratory supplied brass plug.

During sampling of probes VS-4 through VS-9, a modified and improved leak testing procedure was performed by placing a shroud over the sampling assembly, and maintaining an isopropyl alcohol-enriched atmosphere under the shroud. The shroud was emplaced after purging the vapor probe, but before the sub-slab vapor sample was collected. Isopropyl alcohol

saturated wipes were placed under the shroud. A photoionization detector (PID) was used to monitor the atmosphere beneath the shroud during sampling. Tedlar bag samples were collected from the shroud atmosphere at selected probe locations using a hand-vacuum pump and analyzed at the laboratory. The purpose of the tedlar bag sample analysis was to quantitatively compare shroud atmosphere isopropyl alcohol concentrations to concentrations observed using a PID field instrument, and to document that an isopropyl alcohol-enriched atmosphere was maintained during vapor sampling. Shroud PID field readings for isopropyl alcohol for each probe location are noted on the field data sheets presented as Attachment C.

Abandonment of Sub-Slab Venting Probes: The sub-slab vapor probes will be left in place until site data indicates that they are no longer needed. After that time, the probes will be abandoned. To abandon the probes, a roto-hammer will be used to core the grout around the probe assembly. The assembly will be removed from the hole, and the hole will be filled with non-shrinking, quick-setting grout to match finish grade. Surface materials and/or covering will be repaired to match existing conditions.

ATTACHMENT C

FIELD DATA SHEETS

SOIL GAS INVESTIGATION
PURGE, SAMPLE & LEAK TEST - FIELD DATA SHEET

103.002.001

TRINITY source group, inc. Environmental Consultants

Project No.:	103.002.001	Purge Test Location:	VS-1, VS-2 and VS-3
Facility Name:	Kelly Moore Paint Store-Searway Property	Purge Method:	Summa Canister
Address:	649 Pacific Ave Alameda	Leak Test Compound (DL of 10 µg/L):	Isopropanol
Staff:	DJB	Flow Control Orifice (ml/min):	100
Date:	10/25/06	Tubing Size (in):	1/4" ID; 3/8" OD
		Bore Hole Dia. (in):	3/8" OD

Purge Volume Calculation

Inner Tubing Radius (inches)	Area of Inner Tubing Radius (r2)	Tubing Length (ft)	Convert feet to inches	Total Tubing Volume (ml)	Bore Hole Radius (inches)	Area of Bore Hole Radius (r2)	Length of Bore Hole (in)	Total Bore Hole Volume (ml)	No. of Tubing + Bore Hole Volumes to Purge	Conv. of cubic inches to ml	Total Purge Volume (ml)	Total Purge Volume (L) [L= ml/1000]	Max. Purge rate (ml/min)	Est. Purge Time (min)	Probe Depth (Feet)
0.085	0.007	0.5	6	2.232	0.4	0.160	0.5	1.648	1	16.387	3.880	0.004	100	0.04	0.5
0.085	**0.007**	**0.5**	**6**	**2.232**	**0.4**	**0.160**	**0.5**	**1.648**	**3**	**16.387**	**11.639**	**0.012**	**100**	**0.12**	**0.5**
0.085	0.007	0.5	6	2.232	0.4	0.160	0.5	1.648	7	16.387	27.157	0.027	100	0.27	0.5

Notes:

Purge volume for tubing can be calculated as follows:
(a) 3.141593(Pi) * tubing radius r² * inches of tubing * 16.3870641(conversion of cubic inches to milliliters)

Purge volume for the bore hole can be calculated as follow:
(b) 3.141593(Pi) * bore hole r² * inches of bore hole * 16.3870641(conversion of cubic inches to milliliters)

Total purge volume can be calculated as follows:
a + b * number of tubing/bore hole volume to be purged = total purge volume

Estimated purge time can be calculated as follows:
total purge volume (ml) ÷ purge rate (max of 167 ml/min)

Purging & Sampling Data / Leak Tests Data / Field Readings / Information

Sub slab Probe Number	Time Start Purging (24 hr)	Time Stop Purging (24 hr)	Initial Vacuum Gauge Reading (Hg")	ulative Total Volume Purged (ml)	Time Start Sampling (24 hr)	Time Stop Sampling (24 hr)	Final Vacuum Gauge Reading (Hg")	Iso-propanol Applied (yes/no)	Vacuum Train Leak Check (pass/fail)	Vacuum Train Test Start Time/ Vacuum (Hg")	Vacuum Train Test Stop Time/ Vacuum (Hg")	Probe Install Date	Probe Install Time	Purge Volumes	Probe Depth (Feet)
VS-1	1305	1319	-30	1012	1305	1319	-3	yes	pass	1230/-30	1240/-30	9/3/2006	1045	3	0.5
VS-2	1309	1326	-27	1012	1309	1326	-3	yes	pass	1235	1245	9/3/2006	1100	3	0.5
VS-3	1311	1323	-26	1000	1311	1323	-3	yes	pass	1247	1257	9/3/2006	1115	3	0.5

Notes: Initial vacuum gauge reading before sampling and purging = - " of Hg

VS-3 0.443 PPMV; VS-1 0.581, VS-2 0.007 PPMV

SOIL GAS INVESTIGATION
PURGE, SAMPLE & LEAK TEST - FIELD DATA SHEET

TRINITY source group, inc. Environmental Consultants

Project No.:	103.004.004	Purge Test Location:	VS-3, VS-4 through VS-9
Facility Name:	Kelly Moore Paint Store-Searway Property	Purge Method:	Summa Canister 1000 ml
Address:	649 Pacific Ave Alameda	Leak Test Compound (DL of 10 µg/L):	Isopropanol
Staff:	Dan Birch	Flow Control Orifice (ml/min):	100
Date:	5-07	Tubing Size (in):	1/4" ID; 3/8" OD
		Bore Hole Dia. (in):	3/8" OD

Purge Volume Calculation for VS-1 through VS-9

Inner Tubing Radius (inches)	Area of Inner Tubing Radius (r2)	Tubing Length (ft)	Convert feet to inches	Total Tubing Volume (ml)	Bore Hole Radius (inches)	Area of Bore Hole Radius (r2)	Length of Bore Hole (in)	Total Bore Hole Volume (ml)	No. of Tubing + Bore Hole Volumes to Purge	Conv. of cubic inches to ml	Total Purge Volume (ml)	Total Purge Volume (L) [L= ml/1000]	Max. Purge rate (ml/min)	Est. Purge Time (min)	Probe Depth (Feet)
0.085	0.007	0.5	6	2.232	0.4	0.160	0.5	4.119	3	16.387	19.053	0.019	100	0.19	0.5

Notes:

Purge volume for tubing can be calculated as follows:
(a) 3.141593(Pi) * tubing radius r^2 * inches of tubing * 16.3870641(conversion of cubic inches to milliliters)

Purge volume for the bore hole can be calculated as follow:
(b) 3.141593(Pi) * bore hole r^2 * inches of bore hole * 16.3870641(conversion of cubic inches to milliliters)

Total purge volume can be calculated as follows:
a + b * number of tubing/bore hole volume to be purged = total purge volume

Estimated purge time can be calculated as follows:
total purge volume (ml) ÷ purge rate (max of 167 ml/min)

Purging & Sampling Data | **Leak Test Field Data** | **Probe Construction Details**

Sub slab Probe Number	Time Start Purging (24 hr)	Time Stop Purging (24 hr)	Initial Vacuum Gauge Reading (Hg")	ulative Total Volume Purged (ml)	Time Start Sampling (24 hr)	Time Stop Sampling (24 hr)	Final Vacuum Gauge Reading (Hg")	~~PROBE INST. Iso-propanol~~ concentration ~~in Shroud~~ (PPMV)	Vacuum Train Leak Check (pass/fail)	Vacuum Train Test Start/Stop Time	Shroud Iso-Propanol Tedlar Bag Sample/Time	Probe Install Date	Probe Install Time	Purge Volumes	Probe Depth (Feet)
VS-3	1125	1126	-30	~	1127	1137	-1.0	0.512	Pass	1111/1121	NOT	9/3/2006	1045	3	~~0.5~~ #REF!
Notes:	1113 - 3.6 PPMV ; 1115 6.9 PPMV ; 1117 - 19.2 PPMV ; 1119 - 26.2 PPMV ; SHROUD CONC.														
VS-4	1151	1152	-30		1152	1200	-3.0	0.117	Pass	1147/1157	NOT	4/29/2007	940	3	0.5
Notes:	1149 - 3.1 PPMV ; 1151 - 8.21 PPMV ; 1153 - 16.2 PPMV ; 1155 - 22.2 PPMV SHROUD CONC.														
VS-5	1219	1220	-30		1221	1230	-4.5	<0.001	Pass	1207/1217	NOT	4/29/2007	1010	3	~~0.5~~ #REF!
Notes:	1209 - 2.21 PPMV ; 1211 - 7.21 PPMV ; 1213 - 20.1 PPMV ; 1215 - 23.6 PPMV SHROUD CONC.														
VS-6	1240	1241	-31		1242	1250	-4.0	<0.001	Pass	1230/1240	NOT	4/29/2007	1030	3	0.5
Notes:	1230 - 3.11 PPMV ; 1232 - 6.29 PPMV ; 1234 - 16.2 PPMV ; 1236 - 21.1 PPMV SHROUD CONC.														
VS-7	1312	1313	-30		1314	1325	-4.0	<0.001	Pass	1301/1310	@1320	4/29/2007	1100	3	0.5
Notes:	1317 - 5.89 PPMV ; 1318 - 14.2 PPMV ; 1320 - 17.6 PPMV ; 1322 - 27.9 PPMV ; 1323 - 35.7 PPMV SHROUD CONC.														
VS-8	1346	1347	-30		1348	1358	-4.0	0.018	Pass	1335/1345	@1356	4/29/2007	1128	3	0.5
Notes:	1336 - 4.21 PPMV ; 1338 - 16.2 PPMV ; 1340 - 25.9 PPMV ; 1342 - 33.2 PPMV. SHROUD CONC.														
VS-9	1028	1029	-30		1030	1040	-4.0	<0.001	Pass	1015/1025	NOT	4/29/2007	1200	3	0.5
Notes:	1017 - 6.11 PPMV ; 1019 - 17.2 PPMV ; 1021 - 21.6 PPMV ; 1023 - 30.2 PPMV - SHROUD CONC.														

SOIL GAS INVESTIGATION
PURGE, SAMPLE & LEAK TEST - FIELD DATA SHEET

TRINITY source group, inc. Environmental Consultants

Project No.:	103.004.004	**Purge Test Location:**	VS-3, VS-4 through VS-9
Facility Name:	Kelly Moore Paint Store-Searway Property	**Purge Method:**	Summa Canister 1000 ml
Address:	649 Pacific Ave Alameda	**Leak Test Compound (DL of 10 µg/L):**	Isopropanol
Staff:	Dan Birch DJB	**Flow Control Orifice (ml/min):**	175 ml/min
Date:	6/4/07 MONDAY	**Tubing Size (in):** 1/4" ID; 3/8" OD	**Bore Hole Dia. (in):** 3/8" OD

6/4/07 MONDAY

Inner Tubing Radius (inches)	Area of Inner Tubing Radius (r2)	Tubing Length (ft)	Convert feet to inches	Total Tubing Volume (ml)	Bore Hole Radius (inches)	Area of Bore Hole Radius (r2)	Length of Bore Hole (in)	Total Bore Hole Volume (ml)	No. of Tubing + Bore Hole Volumes to Purge	Conv. of cubic inches to ml	Total Purge Volume (ml)	Total Purge Volume (L) [L= ml/1000]	Max. Purge rate (ml/min)	Est. Purge Time (min)	Probe Depth (Feet)
0.085	0.007	0.5	6	2.232	0.4	0.160	0.5	4.119	3	16.387	19.053	0.019	~~100~~ 175	0.19	0.5

Notes:

Purge volume for tubing can be calculated as follows:
(a) 3.141593(PI) * tubing radius r² * inches of tubing * 16.3870641(conversion of cubic inches to milliliters)

Purge volume for the bore hole can be calculated as follow:
(b) 3.141593(Pi) * bore hole r² * inches of bore hole * 16.3870641(conversion of cubic inches to milliliters)

Total purge volume can be calculated as follows:
a + b * number of tubing/bore hole volume to be purged = total purge volume

Estimated purge time can be calculated as follows:
total purge volume (ml) ÷ purge rate (max of 167 ml/min)

Sub slab Probe Number	Time Start Purging (24 hr)	Time Stop Purging (24 hr)	Initial Vacuum Gauge Reading (Hg")	ulative Total Volume Purged (ml)	Time Start Sampling (24 hr)	TIMER ON C-O-C Time Stop Sampling (24 hr)	Final Vacuum Gauge Reading (Hg")	INITIAL PROBE concentration IN Field (PPMV)	Vacuum Train Leak Check (pass/fail)	Vacuum Train Test Start/Stop Time	Shroud Iso-Propanol Tedlar Bag Sample/Time	Probe Install Date	Probe Install Time	Purge Volumes	Probe Depth
VS-3	1415	1416	-35		1416	1425	-5	0.194	Pass	1404/1414	NONE	9/3/2006	1045	3	0.5
Notes:	3.04 PPMV @ 1416; 6.61@ 1417; 16.0@1418; 24.8@1419; 30.3@1420; 33.3@1422; 61.0@1423 ALCOHOL IN SHROUD														
VS-4	1234	1235	-35		1236	1247	-5	<0.001	Pass	1220/1230	NONE	4/29/2007	940	3	0.5
Notes:	2.35PPMV@ 1237; 12.2@1239; 18.2@1240; 22.3@1242; 26.6@1244; 30.3@1246 ALCOHOL IN SHROUD														
VS-5	1300	1301	-33		1302	1310	-5	<0.001	Pass	1250/1300	NONE	4/29/2007	1010	3	0.5
Notes:	1.10 @1302; 5.29@1303; 11.2@1304; 15.7@1305; 14.7@1307; 14.6@1309 ALCOHOL IN SHROUD														
VS-6	1321	1322	-33		1323	1332	-5	<0.001	Pass	1311/1321	NONE	4/29/2007	1030	3	0.5
Notes:	2.07 PPMV@ 1324; 5.17@1325; 13.1@ 1326; 24.0@1327; 24.7@1328; 25.1@1329; 26.1@1330 ALC. CONC.														
VS-7	1438	1439	-35		1439	1448	-5	0.017	Pass	1428/1438	VS-7-QC @1446	4/29/2007	1100	3	0.5
Notes:	4.20 PPMV@ 1439; 13.6@1440; 17.9@1441; 27.1@1442; 25.2@1443; 27.1@1444; 31.1@1445 ALC. CONC.														
VS-8	1347	1348	-35		1348	1357	-5	<0.001	Pass	1337/1347	NONE	4/29/2007	1128	3	0.5
Notes:	2.55 PPMV@1349; 6.28@1350; 17.1@1351; 27.8@1352; 31.1@1353; 22.2@1354; 16.1@1355 ALC. CONC.														
VS-9	1202	1203	-35		1204	1217	-5	0.223	Pass	1150/1200	NONE	4/29/2007	1200	3	0.5
Notes:	14.7 PPMV@ 1205; 16.5@1206; 22.9@1207; 12.6@1208; 18.0@1210; 20.0@1212; 16.1@1214														

ATTACHMENT D

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTAQTION

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

Air Toxics LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0610588BR1

Work Order Summary

CLIENT:	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Rd. Aptos, CA 95003	**BILL TO:**	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Rd. Aptos, CA 95003
PHONE:	831-685-1217	**P.O. #**	103.003.001
FAX:		**PROJECT #**	103.003.001 649 Pacific Ave.
DATE RECEIVED:	10/27/2006	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	11/22/2006		
DATE REISSUED:	12/20/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VS-1	Modified TO-3	2.5 "Hg
01AA	VS-1 Duplicate	Modified TO-3	2.5 "Hg
02A	VS-2	Modified TO-3	2.0 "Hg
03A	VS-3	Modified TO-3	4.5 "Hg
04A	Lab Blank	Modified TO-3	NA
05A	CCV	Modified TO-3	NA

CERTIFIED BY: Linda D. Fruman DATE: 12/20/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-3
Trinity Source Group
Workorder# 0610588BR1

Three 1 Liter Summa Canister samples were received on October 27, 2006. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system. See the data sheets for the reporting limits for each compound.

Requirement	*TO-3*	*ATL Modifications*
Daily Calibration Standard Frequency	Prior to sample analysis and every 4 - 6 hrs	Prior to sample analysis and after the analytical batch </= 20 samples.
Initial Calibration Calculation	4-point calibration using a linear regression model	5-point calibration using average Response Factor
Initial Calibration Frequency	Weekly	When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation
Moisture Control	Nafion system	Sorbent system
Minimum Detection Limit (MDL)	Calculated using the equation DL = A+3.3S, where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard	40 CFR Pt. 136 App. B
Preparation of Standards	Levels achieved through dilution of gas mixture	Levels achieved through loading various volumes of the gas mixture

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

THE WORKORDER WAS REISSUED ON DECEMBER 20, 2006 TO REPORT RESULTS IN UG/M3 PER CLIENT'S REQUEST.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.

E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: VS-1

Lab ID#: 0610588BR1-01A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.066	0.71	380	4100

Client Sample ID: VS-1 Duplicate

Lab ID#: 0610588BR1-01AA

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.066	0.70	380	4100

Client Sample ID: VS-2

Lab ID#: 0610588BR1-02A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.065	0.28	380	1600

Client Sample ID: VS-3

Lab ID#: 0610588BR1-03A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.071	1.6	410	9100

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Client Sample ID: VS-1

Lab ID#: 0610588BR1-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6112014	Date of Collection:	10/25/06
Dil. Factor:	2.20	Date of Analysis:	11/20/06 07:30 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.066	0.71	380	4100

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	95	75-150

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-1 Duplicate

Lab ID#: 0610588BR1-01AA

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6112017	Date of Collection:	10/25/06
Dil. Factor:	2.20	Date of Analysis:	11/20/06 09:43 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.066	0.70	380	4100

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	96	75-150

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Client Sample ID: VS-2

Lab ID#: 0610588BR1-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6112015	Date of Collection: 10/25/06
Dil. Factor:	2.16	Date of Analysis: 11/20/06 08:04 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.065	0.28	380	1600

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	95	75-150

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-3

Lab ID#: 0610588BR1-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6112016	Date of Collection:	10/25/06
Dil. Factor:	2.38	Date of Analysis:	11/20/06 08:40 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.071	1.6	410	9100

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	96	75-150

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0610588BR1-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name: 6112005	Date of Collection: NA
Dil. Factor: 1.00	Date of Analysis: 11/20/06 12:22 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.030	Not Detected	170	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	94	75-150

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Client Sample ID: CCV

Lab ID#: 0610588BR1-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6112003a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 11/20/06 10:26 AM	

Compound	%Recovery
Stoddard Solvent	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	100	75-150

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CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page ____ of ____

Contact Person: Dave Reinsma
Company: TRINITY SOURCE GRP Email: dave@tsgcorp.net
Address: 910 Monterey City: Aptos State: CA Zip: 95003
Phone: 831-685-1717 Fax: 831-685-1219
Collected by: (Signature) DR

Project Info:
P.O. #: 103.003.001
Project #: 103.003.001
Project Name: 549 Pacific Ave.

Turn Around Time:
☒ Normal ☐ Rush (within 5 days / specify 10 days)

Lab Use Only
Pressurized by: BP
Date: 11-Oct-06
Pressurization Gas: (N2) He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	VS-1		10/25/06	1319	TVH Stoddard solvent (Reformate) TO-3 TO-14A	-30	-3	2.5	15
02A	VS-2		10/25/06	1326	" " "	-27	-3	2	11
03A	VS-3		10/25/06	1323	" " "	-26	-3	4.5	14

Relinquished by: (signature) Date/Time: DR 10/27/06 0915
Received by: (signature) Date/Time: Paul Young 10/26/06 1540 FedEx

Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time: Kevin Pulliam 10/27/06 0940

Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Notes: ADD ISOPROPANOL TO LIST for TO-14A as leak test compound

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Customer Seals Intact?	Work Order #
	FedEx	0115 3737 9249	NA	Good	Yes No None	061058

Form 1292 rev.10

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Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

Air Toxics LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0610588A

Work Order Summary

CLIENT:	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Rd. Aptos, CA 95003	**BILL TO:**	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Rd. Aptos, CA 95003
PHONE:	831-685-1217	**P.O. #**	103.003.001
FAX:		**PROJECT #**	103.003.001 649 Pacific Ave.
DATE RECEIVED:	10/27/2006	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	11/12/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VS-1	Modified TO-15	2.5 "Hg
01AA	VS-1 Duplicate	Modified TO-15	2.5 "Hg
02A	VS-2	Modified TO-15	2.0 "Hg
03A	VS-3	Modified TO-15	4.5 "Hg
04A	Lab Blank	Modified TO-15	NA
04B	Lab Blank	Modified TO-15	NA
05A	CCV	Modified TO-15	NA
05B	CCV	Modified TO-15	NA
06A	LCS	Modified TO-15	NA
06B	LCS	Modified TO-15	NA

CERTIFIED BY: Linda A. Truman DATE: 11/12/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15
Trinity Source Group
Workorder# 0610588A

Three 1 Liter Summa Canister samples were received on October 27, 2006. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The reported LCS for each daily batch has been derived from more than one analytical file.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VS-1

Lab ID#: 0610588A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chloroform	22	510	110	2500
Carbon Tetrachloride	22	6700	140	42000
Tetrachloroethene	22	980	150	6700

Client Sample ID: VS-1 Duplicate

Lab ID#: 0610588A-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chloroform	44	500	210	2400
Carbon Tetrachloride	44	6400	280	40000
Tetrachloroethene	44	1000	300	7000

Client Sample ID: VS-2

Lab ID#: 0610588A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chloroform	4.3	150	21	740
Carbon Tetrachloride	4.3	1300	27	8400
Tetrachloroethene	4.3	850	29	5800

Client Sample ID: VS-3

Lab ID#: 0610588A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
trans-1,2-Dichloroethene	6.0	18	24	70
cis-1,2-Dichloroethene	6.0	12	24	47
Chloroform	6.0	100	29	490
Carbon Tetrachloride	6.0	220	37	1400
Trichloroethene	6.0	18	32	98
Tetrachloroethene	6.0	1700	40	11000

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-1

Lab ID#: 0610588A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110926	Date of Collection: 10/25/06
Dil. Factor:	44.0	Date of Analysis: 11/10/06 03:59 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	22	Not Detected	110	Not Detected
Freon 114	22	Not Detected	150	Not Detected
Chloromethane	88	Not Detected	180	Not Detected
Vinyl Chloride	22	Not Detected	56	Not Detected
1,3-Butadiene	22	Not Detected	49	Not Detected
Bromomethane	22	Not Detected	85	Not Detected
Chloroethane	22	Not Detected	58	Not Detected
Freon 11	22	Not Detected	120	Not Detected
Ethanol	88	Not Detected	160	Not Detected
Freon 113	22	Not Detected	170	Not Detected
1,1-Dichloroethene	22	Not Detected	87	Not Detected
Acetone	88	Not Detected	210	Not Detected
2-Propanol	88	Not Detected	220	Not Detected
Carbon Disulfide	22	Not Detected	68	Not Detected
3-Chloropropene	88	Not Detected	280	Not Detected
Methylene Chloride	22	Not Detected	76	Not Detected
Methyl tert-butyl ether	22	Not Detected	79	Not Detected
trans-1,2-Dichloroethene	22	Not Detected	87	Not Detected
Hexane	22	Not Detected	78	Not Detected
1,1-Dichloroethane	22	Not Detected	89	Not Detected
2-Butanone (Methyl Ethyl Ketone)	22	Not Detected	65	Not Detected
cis-1,2-Dichloroethene	22	Not Detected	87	Not Detected
Tetrahydrofuran	22	Not Detected	65	Not Detected
Chloroform	22	510	110	2500
1,1,1-Trichloroethane	22	Not Detected	120	Not Detected
Cyclohexane	22	Not Detected	76	Not Detected
Carbon Tetrachloride	22	6700	140	42000
2,2,4-Trimethylpentane	22	Not Detected	100	Not Detected
Benzene	22	Not Detected	70	Not Detected
1,2-Dichloroethane	22	Not Detected	89	Not Detected
Heptane	22	Not Detected	90	Not Detected
Trichloroethene	22	Not Detected	120	Not Detected
1,2-Dichloropropane	22	Not Detected	100	Not Detected
1,4-Dioxane	88	Not Detected	320	Not Detected
Bromodichloromethane	22	Not Detected	150	Not Detected
cis-1,3-Dichloropropene	22	Not Detected	100	Not Detected
4-Methyl-2-pentanone	22	Not Detected	90	Not Detected
Toluene	22	Not Detected	83	Not Detected
trans-1,3-Dichloropropene	22	Not Detected	100	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-1

Lab ID#: 0610588A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110926	Date of Collection: 10/25/06
Dil. Factor:	44.0	Date of Analysis: 11/10/06 03:59 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	22	Not Detected	120	Not Detected
Tetrachloroethene	22	980	150	6700
2-Hexanone	88	Not Detected	360	Not Detected
Dibromochloromethane	22	Not Detected	190	Not Detected
1,2-Dibromoethane (EDB)	22	Not Detected	170	Not Detected
Chlorobenzene	22	Not Detected	100	Not Detected
Ethyl Benzene	22	Not Detected	96	Not Detected
m,p-Xylene	22	Not Detected	96	Not Detected
o-Xylene	22	Not Detected	96	Not Detected
Styrene	22	Not Detected	94	Not Detected
Bromoform	22	Not Detected	230	Not Detected
Cumene	22	Not Detected	110	Not Detected
1,1,2,2-Tetrachloroethane	22	Not Detected	150	Not Detected
Propylbenzene	22	Not Detected	110	Not Detected
4-Ethyltoluene	22	Not Detected	110	Not Detected
1,3,5-Trimethylbenzene	22	Not Detected	110	Not Detected
1,2,4-Trimethylbenzene	22	Not Detected	110	Not Detected
1,3-Dichlorobenzene	22	Not Detected	130	Not Detected
1,4-Dichlorobenzene	22	Not Detected	130	Not Detected
alpha-Chlorotoluene	22	Not Detected	110	Not Detected
1,2-Dichlorobenzene	22	Not Detected	130	Not Detected
1,2,4-Trichlorobenzene	88	Not Detected	650	Not Detected
Hexachlorobutadiene	88	Not Detected	940	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	122	70-130
4-Bromofluorobenzene	104	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-1 Duplicate

Lab ID#: 0610588A-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110925	Date of Collection: 10/25/06
Dil. Factor:	88.0	Date of Analysis: 11/10/06 03:12 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	44	Not Detected	220	Not Detected
Freon 114	44	Not Detected	310	Not Detected
Chloromethane	180	Not Detected	360	Not Detected
Vinyl Chloride	44	Not Detected	110	Not Detected
1,3-Butadiene	44	Not Detected	97	Not Detected
Bromomethane	44	Not Detected	170	Not Detected
Chloroethane	44	Not Detected	120	Not Detected
Freon 11	44	Not Detected	250	Not Detected
Ethanol	180	Not Detected	330	Not Detected
Freon 113	44	Not Detected	340	Not Detected
1,1-Dichloroethene	44	Not Detected	170	Not Detected
Acetone	180	Not Detected	420	Not Detected
2-Propanol	180	Not Detected	430	Not Detected
Carbon Disulfide	44	Not Detected	140	Not Detected
3-Chloropropene	180	Not Detected	550	Not Detected
Methylene Chloride	44	Not Detected	150	Not Detected
Methyl tert-butyl ether	44	Not Detected	160	Not Detected
trans-1,2-Dichloroethene	44	Not Detected	170	Not Detected
Hexane	44	Not Detected	160	Not Detected
1,1-Dichloroethane	44	Not Detected	180	Not Detected
2-Butanone (Methyl Ethyl Ketone)	44	Not Detected	130	Not Detected
cis-1,2-Dichloroethene	44	Not Detected	170	Not Detected
Tetrahydrofuran	44	Not Detected	130	Not Detected
Chloroform	44	500	210	2400
1,1,1-Trichloroethane	44	Not Detected	240	Not Detected
Cyclohexane	44	Not Detected	150	Not Detected
Carbon Tetrachloride	44	6400	280	40000
2,2,4-Trimethylpentane	44	Not Detected	200	Not Detected
Benzene	44	Not Detected	140	Not Detected
1,2-Dichloroethane	44	Not Detected	180	Not Detected
Heptane	44	Not Detected	180	Not Detected
Trichloroethene	44	Not Detected	240	Not Detected
1,2-Dichloropropane	44	Not Detected	200	Not Detected
1,4-Dioxane	180	Not Detected	630	Not Detected
Bromodichloromethane	44	Not Detected	290	Not Detected
cis-1,3-Dichloropropene	44	Not Detected	200	Not Detected
4-Methyl-2-pentanone	44	Not Detected	180	Not Detected
Toluene	44	Not Detected	160	Not Detected
trans-1,3-Dichloropropene	44	Not Detected	200	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-1 Duplicate

Lab ID#: 0610588A-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110925	Date of Collection: 10/25/06
Dil. Factor:	88.0	Date of Analysis: 11/10/06 03:12 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	44	Not Detected	240	Not Detected
Tetrachloroethene	44	1000	300	7000
2-Hexanone	180	Not Detected	720	Not Detected
Dibromochloromethane	44	Not Detected	370	Not Detected
1,2-Dibromoethane (EDB)	44	Not Detected	340	Not Detected
Chlorobenzene	44	Not Detected	200	Not Detected
Ethyl Benzene	44	Not Detected	190	Not Detected
m,p-Xylene	44	Not Detected	190	Not Detected
o-Xylene	44	Not Detected	190	Not Detected
Styrene	44	Not Detected	190	Not Detected
Bromoform	44	Not Detected	450	Not Detected
Cumene	44	Not Detected	220	Not Detected
1,1,2,2-Tetrachloroethane	44	Not Detected	300	Not Detected
Propylbenzene	44	Not Detected	220	Not Detected
4-Ethyltoluene	44	Not Detected	220	Not Detected
1,3,5-Trimethylbenzene	44	Not Detected	220	Not Detected
1,2,4-Trimethylbenzene	44	Not Detected	220	Not Detected
1,3-Dichlorobenzene	44	Not Detected	260	Not Detected
1,4-Dichlorobenzene	44	Not Detected	260	Not Detected
alpha-Chlorotoluene	44	Not Detected	230	Not Detected
1,2-Dichlorobenzene	44	Not Detected	260	Not Detected
1,2,4-Trichlorobenzene	180	Not Detected	1300	Not Detected
Hexachlorobutadiene	180	Not Detected	1900	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	106	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-2

Lab ID#: 0610588A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1110927		Date of Collection: 10/25/06	
Dil. Factor:	8.64		Date of Analysis: 11/10/06 04:50 AM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	4.3	Not Detected	21	Not Detected
Freon 114	4.3	Not Detected	30	Not Detected
Chloromethane	17	Not Detected	36	Not Detected
Vinyl Chloride	4.3	Not Detected	11	Not Detected
1,3-Butadiene	4.3	Not Detected	9.6	Not Detected
Bromomethane	4.3	Not Detected	17	Not Detected
Chloroethane	4.3	Not Detected	11	Not Detected
Freon 11	4.3	Not Detected	24	Not Detected
Ethanol	17	Not Detected	32	Not Detected
Freon 113	4.3	Not Detected	33	Not Detected
1,1-Dichloroethene	4.3	Not Detected	17	Not Detected
Acetone	17	Not Detected	41	Not Detected
2-Propanol	17	Not Detected	42	Not Detected
Carbon Disulfide	4.3	Not Detected	13	Not Detected
3-Chloropropene	17	Not Detected	54	Not Detected
Methylene Chloride	4.3	Not Detected	15	Not Detected
Methyl tert-butyl ether	4.3	Not Detected	16	Not Detected
trans-1,2-Dichloroethene	4.3	Not Detected	17	Not Detected
Hexane	4.3	Not Detected	15	Not Detected
1,1-Dichloroethane	4.3	Not Detected	17	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.3	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	4.3	Not Detected	17	Not Detected
Tetrahydrofuran	4.3	Not Detected	13	Not Detected
Chloroform	4.3	150	21	740
1,1,1-Trichloroethane	4.3	Not Detected	24	Not Detected
Cyclohexane	4.3	Not Detected	15	Not Detected
Carbon Tetrachloride	4.3	1300	27	8400
2,2,4-Trimethylpentane	4.3	Not Detected	20	Not Detected
Benzene	4.3	Not Detected	14	Not Detected
1,2-Dichloroethane	4.3	Not Detected	17	Not Detected
Heptane	4.3	Not Detected	18	Not Detected
Trichloroethene	4.3	Not Detected	23	Not Detected
1,2-Dichloropropane	4.3	Not Detected	20	Not Detected
1,4-Dioxane	17	Not Detected	62	Not Detected
Bromodichloromethane	4.3	Not Detected	29	Not Detected
cis-1,3-Dichloropropene	4.3	Not Detected	20	Not Detected
4-Methyl-2-pentanone	4.3	Not Detected	18	Not Detected
Toluene	4.3	Not Detected	16	Not Detected
trans-1,3-Dichloropropene	4.3	Not Detected	20	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-2

Lab ID#: 0610588A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110927	Date of Collection: 10/25/06
Dil. Factor:	8.64	Date of Analysis: 11/10/06 04:50 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	4.3	Not Detected	24	Not Detected
Tetrachloroethene	4.3	850	29	5800
2-Hexanone	17	Not Detected	71	Not Detected
Dibromochloromethane	4.3	Not Detected	37	Not Detected
1,2-Dibromoethane (EDB)	4.3	Not Detected	33	Not Detected
Chlorobenzene	4.3	Not Detected	20	Not Detected
Ethyl Benzene	4.3	Not Detected	19	Not Detected
m,p-Xylene	4.3	Not Detected	19	Not Detected
o-Xylene	4.3	Not Detected	19	Not Detected
Styrene	4.3	Not Detected	18	Not Detected
Bromoform	4.3	Not Detected	45	Not Detected
Cumene	4.3	Not Detected	21	Not Detected
1,1,2,2-Tetrachloroethane	4.3	Not Detected	30	Not Detected
Propylbenzene	4.3	Not Detected	21	Not Detected
4-Ethyltoluene	4.3	Not Detected	21	Not Detected
1,3,5-Trimethylbenzene	4.3	Not Detected	21	Not Detected
1,2,4-Trimethylbenzene	4.3	Not Detected	21	Not Detected
1,3-Dichlorobenzene	4.3	Not Detected	26	Not Detected
1,4-Dichlorobenzene	4.3	Not Detected	26	Not Detected
alpha-Chlorotoluene	4.3	Not Detected	22	Not Detected
1,2-Dichlorobenzene	4.3	Not Detected	26	Not Detected
1,2,4-Trichlorobenzene	17	Not Detected	130	Not Detected
Hexachlorobutadiene	17	Not Detected	180	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	129	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-3

Lab ID#: 0610588A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f111021	Date of Collection: 10/25/06
Dil. Factor:	11.9	Date of Analysis: 11/10/06 09:40 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	6.0	Not Detected	29	Not Detected
Freon 114	6.0	Not Detected	42	Not Detected
Chloromethane	24	Not Detected	49	Not Detected
Vinyl Chloride	6.0	Not Detected	15	Not Detected
1,3-Butadiene	6.0	Not Detected	13	Not Detected
Bromomethane	6.0	Not Detected	23	Not Detected
Chloroethane	6.0	Not Detected	16	Not Detected
Freon 11	6.0	Not Detected	33	Not Detected
Ethanol	24	Not Detected	45	Not Detected
Freon 113	6.0	Not Detected	46	Not Detected
1,1-Dichloroethene	6.0	Not Detected	24	Not Detected
Acetone	24	Not Detected	56	Not Detected
2-Propanol	24	Not Detected	58	Not Detected
Carbon Disulfide	6.0	Not Detected	18	Not Detected
3-Chloropropene	24	Not Detected	74	Not Detected
Methylene Chloride	6.0	Not Detected	21	Not Detected
Methyl tert-butyl ether	6.0	Not Detected	21	Not Detected
trans-1,2-Dichloroethene	6.0	18	24	70
Hexane	6.0	Not Detected	21	Not Detected
1,1-Dichloroethane	6.0	Not Detected	24	Not Detected
2-Butanone (Methyl Ethyl Ketone)	6.0	Not Detected	18	Not Detected
cis-1,2-Dichloroethene	6.0	12	24	47
Tetrahydrofuran	6.0	Not Detected	18	Not Detected
Chloroform	6.0	100	29	490
1,1,1-Trichloroethane	6.0	Not Detected	32	Not Detected
Cyclohexane	6.0	Not Detected	20	Not Detected
Carbon Tetrachloride	6.0	220	37	1400
2,2,4-Trimethylpentane	6.0	Not Detected	28	Not Detected
Benzene	6.0	Not Detected	19	Not Detected
1,2-Dichloroethane	6.0	Not Detected	24	Not Detected
Heptane	6.0	Not Detected	24	Not Detected
Trichloroethene	6.0	18	32	98
1,2-Dichloropropane	6.0	Not Detected	27	Not Detected
1,4-Dioxane	24	Not Detected	86	Not Detected
Bromodichloromethane	6.0	Not Detected	40	Not Detected
cis-1,3-Dichloropropene	6.0	Not Detected	27	Not Detected
4-Methyl-2-pentanone	6.0	Not Detected	24	Not Detected
Toluene	6.0	Not Detected	22	Not Detected
trans-1,3-Dichloropropene	6.0	Not Detected	27	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-3

Lab ID#: 0610588A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f111021	Date of Collection:	10/25/06
Dil. Factor:	11.9	Date of Analysis:	11/10/06 09:40 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	6.0	Not Detected	32	Not Detected
Tetrachloroethene	6.0	1700	40	11000
2-Hexanone	24	Not Detected	97	Not Detected
Dibromochloromethane	6.0	Not Detected	51	Not Detected
1,2-Dibromoethane (EDB)	6.0	Not Detected	46	Not Detected
Chlorobenzene	6.0	Not Detected	27	Not Detected
Ethyl Benzene	6.0	Not Detected	26	Not Detected
m,p-Xylene	6.0	Not Detected	26	Not Detected
o-Xylene	6.0	Not Detected	26	Not Detected
Styrene	6.0	Not Detected	25	Not Detected
Bromoform	6.0	Not Detected	62	Not Detected
Cumene	6.0	Not Detected	29	Not Detected
1,1,2,2-Tetrachloroethane	6.0	Not Detected	41	Not Detected
Propylbenzene	6.0	Not Detected	29	Not Detected
4-Ethyltoluene	6.0	Not Detected	29	Not Detected
1,3,5-Trimethylbenzene	6.0	Not Detected	29	Not Detected
1,2,4-Trimethylbenzene	6.0	Not Detected	29	Not Detected
1,3-Dichlorobenzene	6.0	Not Detected	36	Not Detected
1,4-Dichlorobenzene	6.0	Not Detected	36	Not Detected
alpha-Chlorotoluene	6.0	Not Detected	31	Not Detected
1,2-Dichlorobenzene	6.0	Not Detected	36	Not Detected
1,2,4-Trichlorobenzene	24	Not Detected	180	Not Detected
Hexachlorobutadiene	24	Not Detected	250	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	87	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0610588A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110908	Date of Collection: NA
Dil. Factor:	19.0	Date of Analysis: 11/9/06 01:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	9.5	Not Detected	47	Not Detected
Freon 114	9.5	Not Detected	66	Not Detected
Chloromethane	38	Not Detected	78	Not Detected
Vinyl Chloride	9.5	Not Detected	24	Not Detected
1,3-Butadiene	9.5	Not Detected	21	Not Detected
Bromomethane	9.5	Not Detected	37	Not Detected
Chloroethane	9.5	Not Detected	25	Not Detected
Freon 11	9.5	Not Detected	53	Not Detected
Ethanol	38	Not Detected	72	Not Detected
Freon 113	9.5	Not Detected	73	Not Detected
1,1-Dichloroethene	9.5	Not Detected	38	Not Detected
Acetone	38	Not Detected	90	Not Detected
2-Propanol	38	Not Detected	93	Not Detected
Carbon Disulfide	9.5	Not Detected	30	Not Detected
3-Chloropropene	38	Not Detected	120	Not Detected
Methylene Chloride	9.5	Not Detected	33	Not Detected
Methyl tert-butyl ether	9.5	Not Detected	34	Not Detected
trans-1,2-Dichloroethene	9.5	Not Detected	38	Not Detected
Hexane	9.5	Not Detected	33	Not Detected
1,1-Dichloroethane	9.5	Not Detected	38	Not Detected
2-Butanone (Methyl Ethyl Ketone)	9.5	Not Detected	28	Not Detected
cis-1,2-Dichloroethene	9.5	Not Detected	38	Not Detected
Tetrahydrofuran	9.5	Not Detected	28	Not Detected
Chloroform	9.5	Not Detected	46	Not Detected
1,1,1-Trichloroethane	9.5	Not Detected	52	Not Detected
Cyclohexane	9.5	Not Detected	33	Not Detected
Carbon Tetrachloride	9.5	Not Detected	60	Not Detected
2,2,4-Trimethylpentane	9.5	Not Detected	44	Not Detected
Benzene	9.5	Not Detected	30	Not Detected
1,2-Dichloroethane	9.5	Not Detected	38	Not Detected
Heptane	9.5	Not Detected	39	Not Detected
Trichloroethene	9.5	Not Detected	51	Not Detected
1,2-Dichloropropane	9.5	Not Detected	44	Not Detected
1,4-Dioxane	38	Not Detected	140	Not Detected
Bromodichloromethane	9.5	Not Detected	64	Not Detected
cis-1,3-Dichloropropene	9.5	Not Detected	43	Not Detected
4-Methyl-2-pentanone	9.5	Not Detected	39	Not Detected
Toluene	9.5	Not Detected	36	Not Detected
trans-1,3-Dichloropropene	9.5	Not Detected	43	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0610588A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110908	Date of Collection: NA
Dil. Factor:	19.0	Date of Analysis: 11/9/06 01:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	9.5	Not Detected	52	Not Detected
Tetrachloroethene	9.5	Not Detected	64	Not Detected
2-Hexanone	38	Not Detected	160	Not Detected
Dibromochloromethane	9.5	Not Detected	81	Not Detected
1,2-Dibromoethane (EDB)	9.5	Not Detected	73	Not Detected
Chlorobenzene	9.5	Not Detected	44	Not Detected
Ethyl Benzene	9.5	Not Detected	41	Not Detected
m,p-Xylene	9.5	Not Detected	41	Not Detected
o-Xylene	9.5	Not Detected	41	Not Detected
Styrene	9.5	Not Detected	40	Not Detected
Bromoform	9.5	Not Detected	98	Not Detected
Cumene	9.5	Not Detected	47	Not Detected
1,1,2,2-Tetrachloroethane	9.5	Not Detected	65	Not Detected
Propylbenzene	9.5	Not Detected	47	Not Detected
4-Ethyltoluene	9.5	Not Detected	47	Not Detected
1,3,5-Trimethylbenzene	9.5	Not Detected	47	Not Detected
1,2,4-Trimethylbenzene	9.5	Not Detected	47	Not Detected
1,3-Dichlorobenzene	9.5	Not Detected	57	Not Detected
1,4-Dichlorobenzene	9.5	Not Detected	57	Not Detected
alpha-Chlorotoluene	9.5	Not Detected	49	Not Detected
1,2-Dichlorobenzene	9.5	Not Detected	57	Not Detected
1,2,4-Trichlorobenzene	38	Not Detected	280	Not Detected
Hexachlorobutadiene	38	Not Detected	400	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0610588A-04B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1111012		Date of Collection: NA	
Dil. Factor:	1.00		Date of Analysis: 11/10/06 03:36 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0610588A-04B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f111012	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/10/06 03:36 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0610588A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110902	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 11/9/06 08:18 AM	

Compound	%Recovery
Freon 12	106
Freon 114	103
Chloromethane	108
Vinyl Chloride	100
1,3-Butadiene	101
Bromomethane	114
Chloroethane	102
Freon 11	109
Ethanol	100
Freon 113	103
1,1-Dichloroethene	108
Acetone	96
2-Propanol	100
Carbon Disulfide	99
3-Chloropropene	94
Methylene Chloride	105
Methyl tert-butyl ether	81
trans-1,2-Dichloroethene	103
Hexane	100
1,1-Dichloroethane	104
2-Butanone (Methyl Ethyl Ketone)	103
cis-1,2-Dichloroethene	105
Tetrahydrofuran	100
Chloroform	103
1,1,1-Trichloroethane	104
Cyclohexane	101
Carbon Tetrachloride	105
2,2,4-Trimethylpentane	104
Benzene	101
1,2-Dichloroethane	117
Heptane	112
Trichloroethene	112
1,2-Dichloropropane	110
1,4-Dioxane	104
Bromodichloromethane	111
cis-1,3-Dichloropropene	110
4-Methyl-2-pentanone	118
Toluene	107
trans-1,3-Dichloropropene	107

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0610588A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110902	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 11/9/06 08:18 AM	

Compound	%Recovery
1,1,2-Trichloroethane	107
Tetrachloroethene	111
2-Hexanone	106
Dibromochloromethane	116
1,2-Dibromoethane (EDB)	111
Chlorobenzene	109
Ethyl Benzene	115
m,p-Xylene	118
o-Xylene	115
Styrene	120
Bromoform	127
Cumene	119
1,1,2,2-Tetrachloroethane	118
Propylbenzene	117
4-Ethyltoluene	118
1,3,5-Trimethylbenzene	115
1,2,4-Trimethylbenzene	114
1,3-Dichlorobenzene	116
1,4-Dichlorobenzene	118
alpha-Chlorotoluene	120
1,2-Dichlorobenzene	115
1,2,4-Trichlorobenzene	104
Hexachlorobutadiene	105

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	111	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0610588A-05B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f111004	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 11/10/06 09:31 AM	

Compound	%Recovery
Freon 12	111
Freon 114	108
Chloromethane	108
Vinyl Chloride	96
1,3-Butadiene	103
Bromomethane	116
Chloroethane	101
Freon 11	114
Ethanol	105
Freon 113	106
1,1-Dichloroethene	109
Acetone	95
2-Propanol	103
Carbon Disulfide	104
3-Chloropropene	76
Methylene Chloride	104
Methyl tert-butyl ether	82
trans-1,2-Dichloroethene	106
Hexane	103
1,1-Dichloroethane	103
2-Butanone (Methyl Ethyl Ketone)	102
cis-1,2-Dichloroethene	104
Tetrahydrofuran	103
Chloroform	105
1,1,1-Trichloroethane	110
Cyclohexane	105
Carbon Tetrachloride	114
2,2,4-Trimethylpentane	91
Benzene	101
1,2-Dichloroethane	127
Heptane	119
Trichloroethene	115
1,2-Dichloropropane	111
1,4-Dioxane	112
Bromodichloromethane	120
cis-1,3-Dichloropropene	112
4-Methyl-2-pentanone	121
Toluene	108
trans-1,3-Dichloropropene	108

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0610588A-05B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f111004	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis:	11/10/06 09:31 AM

Compound	%Recovery
1,1,2-Trichloroethane	105
Tetrachloroethene	113
2-Hexanone	107
Dibromochloromethane	123
1,2-Dibromoethane (EDB)	110
Chlorobenzene	108
Ethyl Benzene	114
m,p-Xylene	117
o-Xylene	116
Styrene	121
Bromoform	138 Q
Cumene	100
1,1,2,2-Tetrachloroethane	118
Propylbenzene	99
4-Ethyltoluene	101
1,3,5-Trimethylbenzene	118
1,2,4-Trimethylbenzene	119
1,3-Dichlorobenzene	120
1,4-Dichlorobenzene	123
alpha-Chlorotoluene	97
1,2-Dichlorobenzene	119
1,2,4-Trichlorobenzene	114
Hexachlorobutadiene	115

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	111	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0610588A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110903	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 11/9/06 09:06 AM	

Compound	%Recovery
Freon 12	97
Freon 114	95
Chloromethane	100
Vinyl Chloride	95
1,3-Butadiene	99
Bromomethane	114
Chloroethane	102
Freon 11	102
Ethanol	106
Freon 113	99
1,1-Dichloroethene	102
Acetone	98
2-Propanol	101
Carbon Disulfide	108
3-Chloropropene	89
Methylene Chloride	101
Methyl tert-butyl ether	83
trans-1,2-Dichloroethene	107
Hexane	104
1,1-Dichloroethane	100
2-Butanone (Methyl Ethyl Ketone)	104
cis-1,2-Dichloroethene	100
Tetrahydrofuran	99
Chloroform	95
1,1,1-Trichloroethane	94
Cyclohexane	100
Carbon Tetrachloride	94
2,2,4-Trimethylpentane	93
Benzene	100
1,2-Dichloroethane	107
Heptane	109
Trichloroethene	106
1,2-Dichloropropane	106
1,4-Dioxane	105
Bromodichloromethane	102
cis-1,3-Dichloropropene	72
4-Methyl-2-pentanone	110
Toluene	102
trans-1,3-Dichloropropene	104

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0610588A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f110903	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 11/9/06 09:06 AM	

Compound	%Recovery
1,1,2-Trichloroethane	103
Tetrachloroethene	107
2-Hexanone	97
Dibromochloromethane	103
1,2-Dibromoethane (EDB)	103
Chlorobenzene	105
Ethyl Benzene	115
m,p-Xylene	106
o-Xylene	94
Styrene	124
Bromoform	98
Cumene	95
1,1,2,2-Tetrachloroethane	110
Propylbenzene	96
4-Ethyltoluene	98
1,3,5-Trimethylbenzene	88
1,2,4-Trimethylbenzene	71
1,3-Dichlorobenzene	105
1,4-Dichlorobenzene	108
alpha-Chlorotoluene	92
1,2-Dichlorobenzene	102
1,2,4-Trichlorobenzene	78
Hexachlorobutadiene	80

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	109	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0610588A-06B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f111005	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 11/10/06 10:17 AM	

Compound	%Recovery
Freon 12	99
Freon 114	98
Chloromethane	101
Vinyl Chloride	93
1,3-Butadiene	101
Bromomethane	112
Chloroethane	100
Freon 11	104
Ethanol	111
Freon 113	100
1,1-Dichloroethene	102
Acetone	100
2-Propanol	104
Carbon Disulfide	110
3-Chloropropene	86
Methylene Chloride	100
Methyl tert-butyl ether	84
trans-1,2-Dichloroethene	108
Hexane	107
1,1-Dichloroethane	100
2-Butanone (Methyl Ethyl Ketone)	106
cis-1,2-Dichloroethene	102
Tetrahydrofuran	102
Chloroform	97
1,1,1-Trichloroethane	97
Cyclohexane	103
Carbon Tetrachloride	98
2,2,4-Trimethylpentane	95
Benzene	97
1,2-Dichloroethane	108
Heptane	112
Trichloroethene	105
1,2-Dichloropropane	104
1,4-Dioxane	107
Bromodichloromethane	104
cis-1,3-Dichloropropene	70
4-Methyl-2-pentanone	113
Toluene	100
trans-1,3-Dichloropropene	108

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0610588A-06B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f111005	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 11/10/06 10:17 AM	

Compound	%Recovery
1,1,2-Trichloroethane	100
Tetrachloroethene	103
2-Hexanone	100
Dibromochloromethane	107
1,2-Dibromoethane (EDB)	102
Chlorobenzene	103
Ethyl Benzene	113
m,p-Xylene	104
o-Xylene	94
Styrene	132 Q
Bromoform	104
Cumene	99
1,1,2,2-Tetrachloroethane	113
Propylbenzene	101
4-Ethyltoluene	105
1,3,5-Trimethylbenzene	89
1,2,4-Trimethylbenzene	72
1,3-Dichlorobenzene	111
1,4-Dichlorobenzene	111
alpha-Chlorotoluene	104
1,2-Dichlorobenzene	107
1,2,4-Trichlorobenzene	93
Hexachlorobutadiene	94

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	106	70-130

AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

Contact Person: Dave Rivsma
Company: Trinity Source grp Email: dave@tsgcorp.net
Address: 910 Mentalvale Rd City: Aptos State: CA Zip: 95060
Phone: 831-685-1217 Fax: 831-685-1219
Collected by: (Signature) DJ Bal

Project Info:
P.O. # 103.003.001
Project # 103.003.001
Project Name: 649 Pacific Ave.

Turn Around Time:
☒ Normal
☐ Rush (within ~~24 hrs~~ specify 10 Days)

Lab Use Only
Pressurized by: D
Date: 11/3/06
Pressurization Gas: (N2) He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final
01A	VS-1		10/25/06	1319	TVH stoddard solvent/BTEX/MTBE TO-3 TO-14A	-30	-3	25"	5"
02A	VS-2		10/25/06	1326		-27	-3	20"	
03A	VS-3		10/25/06	1323		-26	-3	15"	

Relinquished by: (signature) DJ Bal Date/Time 10/26/06 0915
Received by: (signature) Date/Time 10/26/06 1540 FedEx

Notes: ADD ISOPROPANOL TO LIST FOR TO-14A AS LEAK TEST COMPOUND

Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time 10/27/06 0940

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Customer Seals Intact?	Work Order #
	FedEx	0459038723292394	NA	Good	Yes No None	0610588A

Form T2553 rev.10

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0705262

Work Order Summary

CLIENT:	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Rd. Aptos, CA 95003	**BILL TO:**	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Rd. Aptos, CA 95003
PHONE:	831-685-1217	**P.O. #**	103.004.004
FAX:		**PROJECT #**	649 Pacific Ave, Alameda Searway Property
DATE RECEIVED:	05/10/2007	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/23/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VS-3	Modified TO-15	2.0 "Hg
02A	VS-4	Modified TO-15	2.0 "Hg
03A	VS-5	Modified TO-15	3.0 "Hg
04A	VS-6	Modified TO-15	2.0 "Hg
05A	VS-7	Modified TO-15	2.5 "Hg
06A	VS-8	Modified TO-15	3.0 "Hg
07A	VS-9	Modified TO-15	3.0 "Hg
08A	Lab Blank	Modified TO-15	NA
08B	Lab Blank	Modified TO-15	NA
09A	CCV	Modified TO-15	NA
09B	CCV	Modified TO-15	NA
10A	LCS	Modified TO-15	NA
10B	LCS	Modified TO-15	NA

CERTIFIED BY: Linda J. Fruman DATE: 05/23/07

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Trinity Source Group
Workorder# 0705262

Seven 1 Liter Summa Canister samples were received on May 10, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VS-3

Lab ID#: 0705262-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	17	17	41	41
trans-1,2-Dichloroethene	4.3	13	17	51
cis-1,2-Dichloroethene	4.3	12	17	47
Chloroform	4.3	88	21	430
Carbon Tetrachloride	4.3	240	27	1500
Trichloroethene	4.3	16	23	88
Tetrachloroethene	4.3	1400	29	9500

Client Sample ID: VS-4

Lab ID#: 0705262-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chloroform	8.6	19	42	93
Carbon Tetrachloride	8.6	2400	54	15000
Tetrachloroethene	8.6	230	59	1600

Client Sample ID: VS-5

Lab ID#: 0705262-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	12	13	28	30
Chloroform	3.0	340	14	1600
Carbon Tetrachloride	3.0	840	19	5300
Tetrachloroethene	3.0	250	20	1700

Client Sample ID: VS-6

Lab ID#: 0705262-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chloroform	4.3	85	21	420
Carbon Tetrachloride	4.3	1200	27	7500
Tetrachloroethene	4.3	360	29	2500

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VS-7

Lab ID#: 0705262-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 11	1.1	3.5	6.2	20
Acetone	4.4	6.7	10	16
Carbon Disulfide	1.1	2.2	3.4	6.8
Chloroform	1.1	1.7	5.4	8.3
Carbon Tetrachloride	1.1	87	6.9	550
Tetrachloroethene	1.1	280	7.5	1900

Client Sample ID: VS-8

Lab ID#: 0705262-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.5	7.7	11	18
Chloroform	1.1	9.0	5.5	44
Carbon Tetrachloride	1.1	15	7.0	94
Tetrachloroethene	1.1	220	7.6	1500

Client Sample ID: VS-9

Lab ID#: 0705262-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chloroethane	1.1	1.6	3.0	4.1
Acetone	4.5	65	11	160
Carbon Disulfide	1.1	23	3.5	73
2-Butanone (Methyl Ethyl Ketone)	1.1	4.1	3.3	12
Chloroform	1.1	120	5.5	590
Tetrachloroethene	1.1	6.2	7.6	42

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-3

Lab ID#: 0705262-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052221	Date of Collection:	5/7/07
Dil Factor:	8.64	Date of Analysis:	5/22/07 11:54 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	4.3	Not Detected	21	Not Detected
Freon 114	4.3	Not Detected	30	Not Detected
Chloromethane	17	Not Detected	36	Not Detected
Vinyl Chloride	4.3	Not Detected	11	Not Detected
1,3-Butadiene	4.3	Not Detected	9.6	Not Detected
Bromomethane	4.3	Not Detected	17	Not Detected
Chloroethane	4.3	Not Detected	11	Not Detected
Freon 11	4.3	Not Detected	24	Not Detected
Ethanol	17	Not Detected	32	Not Detected
Freon 113	4.3	Not Detected	33	Not Detected
1,1-Dichloroethene	4.3	Not Detected	17	Not Detected
Acetone	17	17	41	41
2-Propanol	17	Not Detected	42	Not Detected
Carbon Disulfide	4.3	Not Detected	13	Not Detected
3-Chloropropene	17	Not Detected	54	Not Detected
Methylene Chloride	4.3	Not Detected	15	Not Detected
Methyl tert-butyl ether	4.3	Not Detected	16	Not Detected
trans-1,2-Dichloroethene	4.3	13	17	51
Hexane	4.3	Not Detected	15	Not Detected
1,1-Dichloroethane	4.3	Not Detected	17	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.3	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	4.3	12	17	47
Tetrahydrofuran	4.3	Not Detected	13	Not Detected
Chloroform	4.3	88	21	430
1,1,1-Trichloroethane	4.3	Not Detected	24	Not Detected
Cyclohexane	4.3	Not Detected	15	Not Detected
Carbon Tetrachloride	4.3	240	27	1500
2,2,4-Trimethylpentane	4.3	Not Detected	20	Not Detected
Benzene	4.3	Not Detected	14	Not Detected
1,2-Dichloroethane	4.3	Not Detected	17	Not Detected
Heptane	4.3	Not Detected	18	Not Detected
Trichloroethene	4.3	16	23	88
1,2-Dichloropropane	4.3	Not Detected	20	Not Detected
1,4-Dioxane	17	Not Detected	62	Not Detected
Bromodichloromethane	4.3	Not Detected	29	Not Detected
cis-1,3-Dichloropropene	4.3	Not Detected	20	Not Detected
4-Methyl-2-pentanone	4.3	Not Detected	18	Not Detected
Toluene	4.3	Not Detected	16	Not Detected
trans-1,3-Dichloropropene	4.3	Not Detected	20	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-3

Lab ID#: 0705262-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1052221**	**Date of Collection: 5/7/07**	
Dil. Factor:	**8.64**	**Date of Analysis: 5/22/07 11:54 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	4.3	Not Detected	24	Not Detected
Tetrachloroethene	4.3	1400	29	9500
2-Hexanone	17	Not Detected	71	Not Detected
Dibromochloromethane	4.3	Not Detected	37	Not Detected
1,2-Dibromoethane (EDB)	4.3	Not Detected	33	Not Detected
Chlorobenzene	4.3	Not Detected	20	Not Detected
Ethyl Benzene	4.3	Not Detected	19	Not Detected
m,p-Xylene	4.3	Not Detected	19	Not Detected
o-Xylene	4.3	Not Detected	19	Not Detected
Styrene	4.3	Not Detected	18	Not Detected
Bromoform	4.3	Not Detected	45	Not Detected
Cumene	4.3	Not Detected	21	Not Detected
1,1,2,2-Tetrachloroethane	4.3	Not Detected	30	Not Detected
Propylbenzene	4.3	Not Detected	21	Not Detected
4-Ethyltoluene	4.3	Not Detected	21	Not Detected
1,3,5-Trimethylbenzene	4.3	Not Detected	21	Not Detected
1,2,4-Trimethylbenzene	4.3	Not Detected	21	Not Detected
1,3-Dichlorobenzene	4.3	Not Detected	26	Not Detected
1,4-Dichlorobenzene	4.3	Not Detected	26	Not Detected
alpha-Chlorotoluene	4.3	Not Detected	22	Not Detected
1,2-Dichlorobenzene	4.3	Not Detected	26	Not Detected
1,2,4-Trichlorobenzene	17	Not Detected	130	Not Detected
Hexachlorobutadiene	17	Not Detected	180	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	91	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-4

Lab ID#: 0705262-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 1052223	Date of Collection: 5/7/07
Dil. Factor: 17.3	Date of Analysis: 5/23/07 01:51 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	8.6	Not Detected	43	Not Detected
Freon 114	8.6	Not Detected	60	Not Detected
Chloromethane	35	Not Detected	71	Not Detected
Vinyl Chloride	8.6	Not Detected	22	Not Detected
1,3-Butadiene	8.6	Not Detected	19	Not Detected
Bromomethane	8.6	Not Detected	34	Not Detected
Chloroethane	8.6	Not Detected	23	Not Detected
Freon 11	8.6	Not Detected	49	Not Detected
Ethanol	35	Not Detected	65	Not Detected
Freon 113	8.6	Not Detected	66	Not Detected
1,1-Dichloroethene	8.6	Not Detected	34	Not Detected
Acetone	35	Not Detected	82	Not Detected
2-Propanol	35	Not Detected	85	Not Detected
Carbon Disulfide	8.6	Not Detected	27	Not Detected
3-Chloropropene	35	Not Detected	110	Not Detected
Methylene Chloride	8.6	Not Detected	30	Not Detected
Methyl tert-butyl ether	8.6	Not Detected	31	Not Detected
trans-1,2-Dichloroethene	8.6	Not Detected	34	Not Detected
Hexane	8.6	Not Detected	30	Not Detected
1,1-Dichloroethane	8.6	Not Detected	35	Not Detected
2-Butanone (Methyl Ethyl Ketone)	8.6	Not Detected	26	Not Detected
cis-1,2-Dichloroethene	8.6	Not Detected	34	Not Detected
Tetrahydrofuran	8.6	Not Detected	26	Not Detected
Chloroform	8.6	19	42	93
1,1,1-Trichloroethane	8.6	Not Detected	47	Not Detected
Cyclohexane	8.6	Not Detected	30	Not Detected
Carbon Tetrachloride	8.6	2400	54	15000
2,2,4-Trimethylpentane	8.6	Not Detected	40	Not Detected
Benzene	8.6	Not Detected	28	Not Detected
1,2-Dichloroethane	8.6	Not Detected	35	Not Detected
Heptane	8.6	Not Detected	35	Not Detected
Trichloroethene	8.6	Not Detected	46	Not Detected
1,2-Dichloropropane	8.6	Not Detected	40	Not Detected
1,4-Dioxane	35	Not Detected	120	Not Detected
Bromodichloromethane	8.6	Not Detected	58	Not Detected
cis-1,3-Dichloropropene	8.6	Not Detected	39	Not Detected
4-Methyl-2-pentanone	8.6	Not Detected	35	Not Detected
Toluene	8.6	Not Detected	32	Not Detected
trans-1,3-Dichloropropene	8.6	Not Detected	39	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-4

Lab ID#: 0705262-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052223	Date of Collection: 5/7/07
Dil. Factor:	17.3	Date of Analysis: 5/23/07 01:51 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	8.6	Not Detected	47	Not Detected
Tetrachloroethene	8.6	230	59	1600
2-Hexanone	35	Not Detected	140	Not Detected
Dibromochloromethane	8.6	Not Detected	74	Not Detected
1,2-Dibromoethane (EDB)	8.6	Not Detected	66	Not Detected
Chlorobenzene	8.6	Not Detected	40	Not Detected
Ethyl Benzene	8.6	Not Detected	38	Not Detected
m,p-Xylene	8.6	Not Detected	38	Not Detected
o-Xylene	8.6	Not Detected	38	Not Detected
Styrene	8.6	Not Detected	37	Not Detected
Bromoform	8.6	Not Detected	89	Not Detected
Cumene	8.6	Not Detected	42	Not Detected
1,1,2,2-Tetrachloroethane	8.6	Not Detected	59	Not Detected
Propylbenzene	8.6	Not Detected	42	Not Detected
4-Ethyltoluene	8.6	Not Detected	42	Not Detected
1,3,5-Trimethylbenzene	8.6	Not Detected	42	Not Detected
1,2,4-Trimethylbenzene	8.6	Not Detected	42	Not Detected
1,3-Dichlorobenzene	8.6	Not Detected	52	Not Detected
1,4-Dichlorobenzene	8.6	Not Detected	52	Not Detected
alpha-Chlorotoluene	8.6	Not Detected	45	Not Detected
1,2-Dichlorobenzene	8.6	Not Detected	52	Not Detected
1,2,4-Trichlorobenzene	35	Not Detected	260	Not Detected
Hexachlorobutadiene	35	Not Detected	370	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	90	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-5

Lab ID#: 0705262-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 1052225			Date of Collection: 5/7/07	
Dil. Factor: 5.97			Date of Analysis: 5/23/07 03:51 AM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	3.0	Not Detected	15	Not Detected
Freon 114	3.0	Not Detected	21	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	3.0	Not Detected	7.6	Not Detected
1,3-Butadiene	3.0	Not Detected	6.6	Not Detected
Bromomethane	3.0	Not Detected	12	Not Detected
Chloroethane	3.0	Not Detected	7.9	Not Detected
Freon 11	3.0	Not Detected	17	Not Detected
Ethanol	12	Not Detected	22	Not Detected
Freon 113	3.0	Not Detected	23	Not Detected
1,1-Dichloroethene	3.0	Not Detected	12	Not Detected
Acetone	12	13	28	30
2-Propanol	12	Not Detected	29	Not Detected
Carbon Disulfide	3.0	Not Detected	9.3	Not Detected
3-Chloropropene	12	Not Detected	37	Not Detected
Methylene Chloride	3.0	Not Detected	10	Not Detected
Methyl tert-butyl ether	3.0	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	3.0	Not Detected	12	Not Detected
Hexane	3.0	Not Detected	10	Not Detected
1,1-Dichloroethane	3.0	Not Detected	12	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.0	Not Detected	8.8	Not Detected
cis-1,2-Dichloroethene	3.0	Not Detected	12	Not Detected
Tetrahydrofuran	3.0	Not Detected	8.8	Not Detected
Chloroform	3.0	340	14	1600
1,1,1-Trichloroethane	3.0	Not Detected	16	Not Detected
Cyclohexane	3.0	Not Detected	10	Not Detected
Carbon Tetrachloride	3.0	840	19	5300
2,2,4-Trimethylpentane	3.0	Not Detected	14	Not Detected
Benzene	3.0	Not Detected	9.5	Not Detected
1,2-Dichloroethane	3.0	Not Detected	12	Not Detected
Heptane	3.0	Not Detected	12	Not Detected
Trichloroethene	3.0	Not Detected	16	Not Detected
1,2-Dichloropropane	3.0	Not Detected	14	Not Detected
1,4-Dioxane	12	Not Detected	43	Not Detected
Bromodichloromethane	3.0	Not Detected	20	Not Detected
cis-1,3-Dichloropropene	3.0	Not Detected	14	Not Detected
4-Methyl-2-pentanone	3.0	Not Detected	12	Not Detected
Toluene	3.0	Not Detected	11	Not Detected
trans-1,3-Dichloropropene	3.0	Not Detected	14	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-5

Lab ID#: 0705262-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052225	**Date of Collection:**	5/7/07
Dil. Factor:	5.97	**Date of Analysis:**	5/23/07 03:51 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	3.0	Not Detected	16	Not Detected
Tetrachloroethene	3.0	250	20	1700
2-Hexanone	12	Not Detected	49	Not Detected
Dibromochloromethane	3.0	Not Detected	25	Not Detected
1,2-Dibromoethane (EDB)	3.0	Not Detected	23	Not Detected
Chlorobenzene	3.0	Not Detected	14	Not Detected
Ethyl Benzene	3.0	Not Detected	13	Not Detected
m,p-Xylene	3.0	Not Detected	13	Not Detected
o-Xylene	3.0	Not Detected	13	Not Detected
Styrene	3.0	Not Detected	13	Not Detected
Bromoform	3.0	Not Detected	31	Not Detected
Cumene	3.0	Not Detected	15	Not Detected
1,1,2,2-Tetrachloroethane	3.0	Not Detected	20	Not Detected
Propylbenzene	3.0	Not Detected	15	Not Detected
4-Ethyltoluene	3.0	Not Detected	15	Not Detected
1,3,5-Trimethylbenzene	3.0	Not Detected	15	Not Detected
1,2,4-Trimethylbenzene	3.0	Not Detected	15	Not Detected
1,3-Dichlorobenzene	3.0	Not Detected	18	Not Detected
1,4-Dichlorobenzene	3.0	Not Detected	18	Not Detected
alpha-Chlorotoluene	3.0	Not Detected	15	Not Detected
1,2-Dichlorobenzene	3.0	Not Detected	18	Not Detected
1,2,4-Trichlorobenzene	12	Not Detected	89	Not Detected
Hexachlorobutadiene	12	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	89	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-6

Lab ID#: 0705262-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 1052227	Date of Collection: 5/7/07
Dil. Factor: 8.64	Date of Analysis: 5/23/07 05:24 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	4.3	Not Detected	21	Not Detected
Freon 114	4.3	Not Detected	30	Not Detected
Chloromethane	17	Not Detected	36	Not Detected
Vinyl Chloride	4.3	Not Detected	11	Not Detected
1,3-Butadiene	4.3	Not Detected	9.6	Not Detected
Bromomethane	4.3	Not Detected	17	Not Detected
Chloroethane	4.3	Not Detected	11	Not Detected
Freon 11	4.3	Not Detected	24	Not Detected
Ethanol	17	Not Detected	32	Not Detected
Freon 113	4.3	Not Detected	33	Not Detected
1,1-Dichloroethene	4.3	Not Detected	17	Not Detected
Acetone	17	Not Detected	41	Not Detected
2-Propanol	17	Not Detected	42	Not Detected
Carbon Disulfide	4.3	Not Detected	13	Not Detected
3-Chloropropene	17	Not Detected	54	Not Detected
Methylene Chloride	4.3	Not Detected	15	Not Detected
Methyl tert-butyl ether	4.3	Not Detected	16	Not Detected
trans-1,2-Dichloroethene	4.3	Not Detected	17	Not Detected
Hexane	4.3	Not Detected	15	Not Detected
1,1-Dichloroethane	4.3	Not Detected	17	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.3	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	4.3	Not Detected	17	Not Detected
Tetrahydrofuran	4.3	Not Detected	13	Not Detected
Chloroform	4.3	85	21	420
1,1,1-Trichloroethane	4.3	Not Detected	24	Not Detected
Cyclohexane	4.3	Not Detected	15	Not Detected
Carbon Tetrachloride	4.3	1200	27	7500
2,2,4-Trimethylpentane	4.3	Not Detected	20	Not Detected
Benzene	4.3	Not Detected	14	Not Detected
1,2-Dichloroethane	4.3	Not Detected	17	Not Detected
Heptane	4.3	Not Detected	18	Not Detected
Trichloroethene	4.3	Not Detected	23	Not Detected
1,2-Dichloropropane	4.3	Not Detected	20	Not Detected
1,4-Dioxane	17	Not Detected	62	Not Detected
Bromodichloromethane	4.3	Not Detected	29	Not Detected
cis-1,3-Dichloropropene	4.3	Not Detected	20	Not Detected
4-Methyl-2-pentanone	4.3	Not Detected	18	Not Detected
Toluene	4.3	Not Detected	16	Not Detected
trans-1,3-Dichloropropene	4.3	Not Detected	20	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-6

Lab ID#: 0705262-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052227	Date of Collection:	5/7/07
Dil. Factor:	8.64	Date of Analysis:	5/23/07 05:24 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	4.3	Not Detected	24	Not Detected
Tetrachloroethene	4.3	360	29	2500
2-Hexanone	17	Not Detected	71	Not Detected
Dibromochloromethane	4.3	Not Detected	37	Not Detected
1,2-Dibromoethane (EDB)	4.3	Not Detected	33	Not Detected
Chlorobenzene	4.3	Not Detected	20	Not Detected
Ethyl Benzene	4.3	Not Detected	19	Not Detected
m,p-Xylene	4.3	Not Detected	19	Not Detected
o-Xylene	4.3	Not Detected	19	Not Detected
Styrene	4.3	Not Detected	18	Not Detected
Bromoform	4.3	Not Detected	45	Not Detected
Cumene	4.3	Not Detected	21	Not Detected
1,1,2,2-Tetrachloroethane	4.3	Not Detected	30	Not Detected
Propylbenzene	4.3	Not Detected	21	Not Detected
4-Ethyltoluene	4.3	Not Detected	21	Not Detected
1,3,5-Trimethylbenzene	4.3	Not Detected	21	Not Detected
1,2,4-Trimethylbenzene	4.3	Not Detected	21	Not Detected
1,3-Dichlorobenzene	4.3	Not Detected	26	Not Detected
1,4-Dichlorobenzene	4.3	Not Detected	26	Not Detected
alpha-Chlorotoluene	4.3	Not Detected	22	Not Detected
1,2-Dichlorobenzene	4.3	Not Detected	26	Not Detected
1,2,4-Trichlorobenzene	17	Not Detected	130	Not Detected
Hexachlorobutadiene	17	Not Detected	180	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	89	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-7

Lab ID#: 0705262-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052307	Date of Collection: 5/7/07
Dil. Factor:	2.20	Date of Analysis: 5/23/07 12:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	Not Detected	5.4	Not Detected
Freon 114	1.1	Not Detected	7.7	Not Detected
Chloromethane	4.4	Not Detected	9.1	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	1.1	Not Detected	4.3	Not Detected
Chloroethane	1.1	Not Detected	2.9	Not Detected
Freon 11	1.1	3.5	6.2	20
Ethanol	4.4	Not Detected	8.3	Not Detected
Freon 113	1.1	Not Detected	8.4	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	4.4	6.7	10	16
2-Propanol	4.4	Not Detected	11	Not Detected
Carbon Disulfide	1.1	2.2	3.4	6.8
3-Chloropropene	4.4	Not Detected	14	Not Detected
Methylene Chloride	1.1	Not Detected	3.8	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	4.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.2	Not Detected
Chloroform	1.1	1.7	5.4	8.3
1,1,1-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Cyclohexane	1.1	Not Detected	3.8	Not Detected
Carbon Tetrachloride	1.1	87	6.9	550
2,2,4-Trimethylpentane	1.1	Not Detected	5.1	Not Detected
Benzene	1.1	Not Detected	3.5	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.4	Not Detected
Heptane	1.1	Not Detected	4.5	Not Detected
Trichloroethene	1.1	Not Detected	5.9	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.1	Not Detected
1,4-Dioxane	4.4	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.4	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.0	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.5	Not Detected
Toluene	1.1	Not Detected	4.1	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.0	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-7

Lab ID#: 0705262-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1052307**	**Date of Collection: 5/7/07**	
Dil. Factor:	**2.20**	**Date of Analysis: 5/23/07 12:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Tetrachloroethene	1.1	280	7.5	1900
2-Hexanone	4.4	Not Detected	18	Not Detected
Dibromochloromethane	1.1	Not Detected	9.4	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.4	Not Detected
Chlorobenzene	1.1	Not Detected	5.1	Not Detected
Ethyl Benzene	1.1	Not Detected	4.8	Not Detected
m,p-Xylene	1.1	Not Detected	4.8	Not Detected
o-Xylene	1.1	Not Detected	4.8	Not Detected
Styrene	1.1	Not Detected	4.7	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.4	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.6	Not Detected
Propylbenzene	1.1	Not Detected	5.4	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.4	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.7	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
1,2,4-Trichlorobenzene	4.4	Not Detected	33	Not Detected
Hexachlorobutadiene	4.4	Not Detected	47	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	90	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-8

Lab ID#: 0705262-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052308	Date of Collection:	5/7/07
Dil. Factor:	2.24	Date of Analysis:	5/23/07 01:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	Not Detected	5.5	Not Detected
Freon 114	1.1	Not Detected	7.8	Not Detected
Chloromethane	4.5	Not Detected	9.2	Not Detected
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,3-Butadiene	1.1	Not Detected	2.5	Not Detected
Bromomethane	1.1	Not Detected	4.3	Not Detected
Chloroethane	1.1	Not Detected	3.0	Not Detected
Freon 11	1.1	Not Detected	6.3	Not Detected
Ethanol	4.5	Not Detected	8.4	Not Detected
Freon 113	1.1	Not Detected	8.6	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	4.5	7.7	11	18
2-Propanol	4.5	Not Detected	11	Not Detected
Carbon Disulfide	1.1	Not Detected	3.5	Not Detected
3-Chloropropene	4.5	Not Detected	14	Not Detected
Methylene Chloride	1.1	Not Detected	3.9	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	4.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.3	Not Detected
Chloroform	1.1	9.0	5.5	44
1,1,1-Trichloroethane	1.1	Not Detected	6.1	Not Detected
Cyclohexane	1.1	Not Detected	3.8	Not Detected
Carbon Tetrachloride	1.1	15	7.0	94
2,2,4-Trimethylpentane	1.1	Not Detected	5.2	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.5	Not Detected
Heptane	1.1	Not Detected	4.6	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.2	Not Detected
1,4-Dioxane	4.5	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.5	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.6	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-8

Lab ID#: 0705262-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052308	Date of Collection:	5/7/07
Dil. Factor:	2.24	Date of Analysis:	5/23/07 01:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.1	Not Detected	6.1	Not Detected
Tetrachloroethene	1.1	220	7.6	1500
2-Hexanone	4.5	Not Detected	18	Not Detected
Dibromochloromethane	1.1	Not Detected	9.5	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.6	Not Detected
Chlorobenzene	1.1	Not Detected	5.2	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
m,p-Xylene	1.1	Not Detected	4.9	Not Detected
o-Xylene	1.1	Not Detected	4.9	Not Detected
Styrene	1.1	Not Detected	4.8	Not Detected
Bromoform	1.1	Not Detected	12	Not Detected
Cumene	1.1	Not Detected	5.5	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.7	Not Detected
Propylbenzene	1.1	Not Detected	5.5	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.5	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.5	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.5	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.8	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
1,2,4-Trichlorobenzene	4.5	Not Detected	33	Not Detected
Hexachlorobutadiene	4.5	Not Detected	48	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	89	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-9

Lab ID#: 0705262-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052230	Date of Collection:	5/7/07
Dil. Factor:	2.24	Date of Analysis:	5/23/07 07:51 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	Not Detected	5.5	Not Detected
Freon 114	1.1	Not Detected	7.8	Not Detected
Chloromethane	4.5	Not Detected	9.2	Not Detected
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,3-Butadiene	1.1	Not Detected	2.5	Not Detected
Bromomethane	1.1	Not Detected	4.3	Not Detected
Chloroethane	1.1	1.6	3.0	4.1
Freon 11	1.1	Not Detected	6.3	Not Detected
Ethanol	4.5	Not Detected	8.4	Not Detected
Freon 113	1.1	Not Detected	8.6	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	4.5	65	11	160
2-Propanol	4.5	Not Detected	11	Not Detected
Carbon Disulfide	1.1	23	3.5	73
3-Chloropropene	4.5	Not Detected	14	Not Detected
Methylene Chloride	1.1	Not Detected	3.9	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	4.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	4.1	3.3	12
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.3	Not Detected
Chloroform	1.1	120	5.5	590
1,1,1-Trichloroethane	1.1	Not Detected	6.1	Not Detected
Cyclohexane	1.1	Not Detected	3.8	Not Detected
Carbon Tetrachloride	1.1	Not Detected	7.0	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.2	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.5	Not Detected
Heptane	1.1	Not Detected	4.6	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.2	Not Detected
1,4-Dioxane	4.5	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.5	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.6	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-9

Lab ID#: 0705262-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052230	Date of Collection:	5/7/07
Dil. Factor:	2.24	Date of Analysis:	5/23/07 07:51 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.1	Not Detected	6.1	Not Detected
Tetrachloroethene	1.1	6.2	7.6	42
2-Hexanone	4.5	Not Detected	18	Not Detected
Dibromochloromethane	1.1	Not Detected	9.5	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.6	Not Detected
Chlorobenzene	1.1	Not Detected	5.2	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
m,p-Xylene	1.1	Not Detected	4.9	Not Detected
o-Xylene	1.1	Not Detected	4.9	Not Detected
Styrene	1.1	Not Detected	4.8	Not Detected
Bromoform	1.1	Not Detected	12	Not Detected
Cumene	1.1	Not Detected	5.5	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.7	Not Detected
Propylbenzene	1.1	Not Detected	5.5	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.5	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.5	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.5	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.8	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
1,2,4-Trichlorobenzene	4.5	Not Detected	33	Not Detected
Hexachlorobutadiene	4.5	Not Detected	48	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705262-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 1052205	Date of Collection: NA
Dil. Factor: 1.00	Date of Analysis: 5/22/07 10:44 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705262-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 1052205	Date of Collection: NA
Dil. Factor: 1.00	Date of Analysis: 5/22/07 10:44 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705262-08B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052306	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/23/07 11:49 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705262-08B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052306	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/23/07 11:49 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	92	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705262-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052203	Date of Collection: NA	
Dil Factor:	1.00	Date of Analysis: 5/22/07 09:29 AM	

Compound	%Recovery
Freon 12	91
Freon 114	89
Chloromethane	96
Vinyl Chloride	96
1,3-Butadiene	100
Bromomethane	97
Chloroethane	92
Freon 11	98
Ethanol	95
Freon 113	95
1,1-Dichloroethene	98
Acetone	98
2-Propanol	102
Carbon Disulfide	86
3-Chloropropene	99
Methylene Chloride	93
Methyl tert-butyl ether	90
trans-1,2-Dichloroethene	100
Hexane	104
1,1-Dichloroethane	105
2-Butanone (Methyl Ethyl Ketone)	106
cis-1,2-Dichloroethene	106
Tetrahydrofuran	102
Chloroform	109
1,1,1-Trichloroethane	113
Cyclohexane	112
Carbon Tetrachloride	117
2,2,4-Trimethylpentane	108
Benzene	106
1,2-Dichloroethane	108
Heptane	106
Trichloroethene	108
1,2-Dichloropropane	106
1,4-Dioxane	106
Bromodichloromethane	114
cis-1,3-Dichloropropene	110
4-Methyl-2-pentanone	114
Toluene	107
trans-1,3-Dichloropropene	113

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705262-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052203	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/22/07 09:29 AM	

Compound	%Recovery
1,1,2-Trichloroethane	110
Tetrachloroethene	111
2-Hexanone	110
Dibromochloromethane	118
1,2-Dibromoethane (EDB)	116
Chlorobenzene	110
Ethyl Benzene	108
m,p-Xylene	109
o-Xylene	108
Styrene	118
Bromoform	122
Cumene	108
1,1,2,2-Tetrachloroethane	108
Propylbenzene	115
4-Ethyltoluene	118
1,3,5-Trimethylbenzene	108
1,2,4-Trimethylbenzene	107
1,3-Dichlorobenzene	107
1,4-Dichlorobenzene	110
alpha-Chlorotoluene	118
1,2-Dichlorobenzene	104
1,2,4-Trichlorobenzene	99
Hexachlorobutadiene	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705262-09B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052302	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/23/07 03:50 AM	

Compound	%Recovery
Freon 12	100
Freon 114	97
Chloromethane	99
Vinyl Chloride	96
1,3-Butadiene	102
Bromomethane	93
Chloroethane	92
Freon 11	105
Ethanol	91
Freon 113	101
1,1-Dichloroethene	98
Acetone	99
2-Propanol	97
Carbon Disulfide	88
3-Chloropropene	96
Methylene Chloride	90
Methyl tert-butyl ether	78
trans-1,2-Dichloroethene	98
Hexane	99
1,1-Dichloroethane	102
2-Butanone (Methyl Ethyl Ketone)	106
cis-1,2-Dichloroethene	104
Tetrahydrofuran	97
Chloroform	110
1,1,1-Trichloroethane	112
Cyclohexane	110
Carbon Tetrachloride	116
2,2,4-Trimethylpentane	103
Benzene	105
1,2-Dichloroethane	105
Heptane	102
Trichloroethene	106
1,2-Dichloropropane	105
1,4-Dioxane	102
Bromodichloromethane	114
cis-1,3-Dichloropropene	108
4-Methyl-2-pentanone	108
Toluene	107
trans-1,3-Dichloropropene	112

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705262-09B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052302	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/23/07 08:50 AM	

Compound	%Recovery
1,1,2-Trichloroethane	111
Tetrachloroethene	108
2-Hexanone	102
Dibromochloromethane	117
1,2-Dibromoethane (EDB)	116
Chlorobenzene	109
Ethyl Benzene	106
m,p-Xylene	108
o-Xylene	105
Styrene	114
Bromoform	118
Cumene	105
1,1,2,2-Tetrachloroethane	107
Propylbenzene	112
4-Ethyltoluene	114
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	101
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	112
1,2-Dichlorobenzene	98
1,2,4-Trichlorobenzene	83
Hexachlorobutadiene	91

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: LCS

Lab ID#: 0705262-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052304	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/23/07 10:15 AM	

Compound	%Recovery
Freon 12	96
Freon 114	97
Chloromethane	100
Vinyl Chloride	104
1,3-Butadiene	107
Bromomethane	99
Chloroethane	100
Freon 11	110
Ethanol	115
Freon 113	123
1,1-Dichloroethene	118
Acetone	109
2-Propanol	119
Carbon Disulfide	96
3-Chloropropene	109
Methylene Chloride	110
Methyl tert-butyl ether	96
trans-1,2-Dichloroethene	110
Hexane	114
1,1-Dichloroethane	121
2-Butanone (Methyl Ethyl Ketone)	121
cis-1,2-Dichloroethene	118
Tetrahydrofuran	111
Chloroform	124
1,1,1-Trichloroethane	127
Cyclohexane	125
Carbon Tetrachloride	131 Q
2,2,4-Trimethylpentane	116
Benzene	115
1,2-Dichloroethane	119
Heptane	113
Trichloroethene	116
1,2-Dichloropropane	114
1,4-Dioxane	117
Bromodichloromethane	124
cis-1,3-Dichloropropene	117
4-Methyl-2-pentanone	128
Toluene	121
trans-1,3-Dichloropropene	119

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705262-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1052304**	**Date of Collection: NA**	
Dil Factor:	**1.00**	**Date of Analysis: 5/23/07 10:15 AM**	

Compound	%Recovery
1,1,2-Trichloroethane	119
Tetrachloroethene	119
2-Hexanone	133
Dibromochloromethane	127
1,2-Dibromoethane (EDB)	120
Chlorobenzene	116
Ethyl Benzene	114
m,p-Xylene	114
o-Xylene	112
Styrene	125
Bromoform	126
Cumene	116
1,1,2,2-Tetrachloroethane	112
Propylbenzene	123
4-Ethyltoluene	125
1,3,5-Trimethylbenzene	113
1,2,4-Trimethylbenzene	112
1,3-Dichlorobenzene	112
1,4-Dichlorobenzene	115
alpha-Chlorotoluene	128
1,2-Dichlorobenzene	107
1,2,4-Trichlorobenzene	92
Hexachlorobutadiene	92

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	103	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705262-10B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052204	Date of Collection: NA	
Dil Factor:	1.00	Date of Analysis: 5/22/07 10:07 AM	

Compound	%Recovery
Freon 12	104
Freon 114	100
Chloromethane	106
Vinyl Chloride	108
1,3-Butadiene	111
Bromomethane	105
Chloroethane	100
Freon 11	109
Ethanol	116
Freon 113	121
1,1-Dichloroethene	121
Acetone	110
2-Propanol	125
Carbon Disulfide	96
3-Chloropropene	110
Methylene Chloride	111
Methyl tert-butyl ether	105
trans-1,2-Dichloroethene	110
Hexane	115
1,1-Dichloroethane	122
2-Butanone (Methyl Ethyl Ketone)	120
cis-1,2-Dichloroethene	118
Tetrahydrofuran	114
Chloroform	124
1,1,1-Trichloroethane	126
Cyclohexane	123
Carbon Tetrachloride	130
2,2,4-Trimethylpentane	115
Benzene	116
1,2-Dichloroethane	118
Heptane	114
Trichloroethene	115
1,2-Dichloropropane	114
1,4-Dioxane	118
Bromodichloromethane	124
cis-1,3-Dichloropropene	116
4-Methyl-2-pentanone	126
Toluene	120
trans-1,3-Dichloropropene	121

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705262-10B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1052204	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/22/07 10:07 AM	

Compound	%Recovery
1,1,2-Trichloroethane	119
Tetrachloroethene	120
2-Hexanone	136
Dibromochloromethane	127
1,2-Dibromoethane (EDB)	121
Chlorobenzene	118
Ethyl Benzene	115
m,p-Xylene	115
o-Xylene	112
Styrene	126
Bromoform	130
Cumene	116
1,1,2,2-Tetrachloroethane	111
Propylbenzene	122
4-Ethyltoluene	124
1,3,5-Trimethylbenzene	115
1,2,4-Trimethylbenzene	112
1,3-Dichlorobenzene	111
1,4-Dichlorobenzene	114
alpha-Chlorotoluene	128
1,2-Dichlorobenzene	107
1,2,4-Trichlorobenzene	97
Hexachlorobutadiene	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	103	70-130

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Project Manager Dave Kerr Sha

Collected by: (Print and Sign) Dan Birch

Company Trinity Source Group, Inc Email dave@tsgcorp.net

Address 710 Main Grande Rd City Aptos State CA Zip 95003

Phone 831-685-1217 Fax 685-1219

Project Info: 2004 / 2004
P.O. # 103-803-007
Project # 647 Pacific Ave Alameda
Project Name Seaway Property

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
	VS-3	23834	5/7/07	1137	TO-15	-30	-1.0		
	VS-4	03184		1200	TO-15	-30	-30		
	VS-5	2708		1230	TO-15	-30	-4.5		
	VS-6	3292		1250	TO-15	-31	-4.0		
	VS-7	34168		1325	TO-15	-30	-4.0		
	VS-8	35657		1358	TO-15	-30	-4.0		
	VS-9	0891	✓	1040	TO-15	-30	-4.0		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	5/8/07 1000		
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes: Please report results in ppmV and ug/m³.

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact? Yes	No	None	Work Order #

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0705244

Work Order Summary

CLIENT:	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Rd. Aptos, CA 95003	**BILL TO:**	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Rd. Aptos, CA 95003
PHONE:	831-685-1217	**P.O. #**	103.004.004
FAX:		**PROJECT #**	649 Pacific ave Searway Property
DATE RECEIVED:	05/10/2007	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/22/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VS-7QC	Modified TO-15	Tedlar Bag
02A	VS-8QC	Modified TO-15	Tedlar Bag
03A	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda A. Freeman DATE: 05/23/07

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15
Trinity Source Group
Workorder# 0705244

Two 1 Liter Tedlar Bag samples were received on May 10, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Samples VS-7QC and VS-8QC were transferred from Tedlar bags into a summa canisters to extend the hold time from 72 hours to 14 days. Canister pressurization resulted in a dilution factor which was applied to all analytical results.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates

as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VS-7QC

Lab ID#: 0705244-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	1600	40000	4000	99000

Client Sample ID: VS-8QC

Lab ID#: 0705244-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	1600	210000 E	4000	530000 E

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-7QC

Lab ID#: 0705244-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5051922	Date of Collection:	5/7/07
Dil. Factor:	808	Date of Analysis:	5/20/07 01:04 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	1600	40000	4000	99000

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	106	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-8QC

Lab ID#: 0705244-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5051923	Date of Collection:	5/7/07
Dil. Factor:	808	Date of Analysis:	5/20/07 01:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	1600	210000 E	4000	530000 E

E = Exceeds instrument calibration range.

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: Lab Blank

Lab ID#: 0705244-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 5051911	Date of Collection: NA
DIL Factor: 1.00	Date of Analysis: 5/19/07 07:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	2.0	Not Detected	4.9	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: CCV

Lab ID#: 0705244-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5051907	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/19/07 05:09 PM	

Compound	%Recovery
2-Propanol	104

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	103	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705244-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5051908	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/19/07 08:16 PM	

Compound	%Recovery
2-Propanol	114

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	100	70-130

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Project Manager [illegible]

Collected by: (Print and Sign) [illegible]

Company [illegible] Email [illegible]

Address _____ City _____ State ____ Zip _____

Phone _____ Fax _____

Project Info:

P.O. # [illegible]

Project # [illegible]

Project Name [illegible]

Turn Around Time:

☒ Normal

☐ Rush

specify

Lab Use Only

Pressurized by: _____

Date: _____

Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
	VS-70C	Fedex	5/7/07	1320	TO15				
	VS-80C	Fedex	5/7/07	1356	TO15				

Relinquished by: (signature) Date/Time [illegible]

Received by: (signature) Date/Time

Relinquished by: (signature) Date/Time

Received by: (signature) Date/Time

Relinquished by: (signature) Date/Time

Received by: (signature) Date/Time

Notes:

Please report in ppbv and ug/m3

Lab Use Only

Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact? Yes	No	None	Work Order #

Form 1293 rev.11

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This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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WORK ORDER #: 0706110B

Work Order Summary

CLIENT:	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Road Aptos, CA 95003	**BILL TO:**	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Road Aptos, CA 95003
PHONE:	831-685-1217	**P.O. #**	103.004.004
FAX:		**PROJECT #**	103.004.004 Searway Property
DATE RECEIVED:	06/06/2007	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	06/18/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VS-3	Modified TO-3	3.0 "Hg
01AA	VS-3 Lab Duplicate	Modified TO-3	3.0 "Hg
02A	VS-4	Modified TO-3	2.0 "Hg
03A	VS-5	Modified TO-3	3.0 "Hg
04A	VS-6	Modified TO-3	3.0 "Hg
05A	VS-7	Modified TO-3	2.5 "Hg
06A	VS-8	Modified TO-3	3.0 "Hg
07A	VS-9	Modified TO-3	2.0 "Hg
08A	Lab Blank	Modified TO-3	NA
09A	CCV	Modified TO-3	NA

CERTIFIED BY: Linda A. Truman DATE: 06/18/07

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-3
Trinity Source Group
Workorder# 0706110B

Seven 1 Liter Summa Canister samples were received on June 06, 2007. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system. See the data sheets for the reporting limit.

Requirement	*TO-3*	*ATL Modifications*
Daily Calibration Standard Frequency	Prior to sample analysis and every 4 - 6 hrs	Prior to sample analysis and after the analytical batch </= 20 samples.
Initial Calibration Calculation	4-point calibration using a linear regression model	5-point calibration using average Response Factor
Initial Calibration Frequency	Weekly	When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation
Moisture Control	Nafion system	Sorbent system
Minimum Detection Limit (MDL)	Calculated using the equation DL = A+3.3S, where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard	40 CFR Pt. 136 App. B
Preparation of Standards	Levels achieved through dilution of gas mixture	Levels achieved through loading various volumes of the gas mixture

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: VS-3

Lab ID#: 0706110B-01A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.056	3.7	320	21000

Client Sample ID: VS-3 Lab Duplicate

Lab ID#: 0706110B-01AA

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.056	3.6	320	21000

Client Sample ID: VS-4

Lab ID#: 0706110B-02A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.054	0.17	310	980

Client Sample ID: VS-5

Lab ID#: 0706110B-03A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.056	0.15	320	870

Client Sample ID: VS-6

Lab ID#: 0706110B-04A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.056	0.16	320	920

Client Sample ID: VS-7

Lab ID#: 0706110B-05A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.055	1.5	320	8800

Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: VS-8

Lab ID#: 0706110B-06A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.056	0.48	320	2800

Client Sample ID: VS-9

Lab ID#: 0706110B-07A

No Detections Were Found.

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Client Sample ID: VS-3

Lab ID#: 0706110B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6061209	Date of Collection:	6/4/07
Dil. Factor:	2.24	Date of Analysis:	6/12/07 03:25 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.056	3.7	320	21000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	94	75-150

Client Sample ID: VS-3 Lab Duplicate

Lab ID#: 0706110B-01AA

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**6061216**	**Date of Collection: 6/4/07**	
Dil. Factor:	**2.24**	**Date of Analysis: 6/12/07 07:09 PM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.056	3.6	320	21000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	96	75-150

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-4

Lab ID#: 0706110B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6061210	Date of Collection:	6/4/07
Dil. Factor:	2.16	Date of Analysis:	6/12/07 04:15 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.054	0.17	310	980

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	95	75-150

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-5

Lab ID#: 0706110B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6061211	Date of Collection:	6/4/07
Dil. Factor:	2.24	Date of Analysis:	6/12/07 04:43 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.056	0.15	320	870

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	96	75-150

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-6

Lab ID#: 0706110B-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**6061212**	**Date of Collection: 6/4/07**	
Dil. Factor:	**2.24**	**Date of Analysis: 6/12/07 05:20 PM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.056	0.16	320	920

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	95	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-7

Lab ID#: 0706110B-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6061213	Date of Collection:	6/4/07
Dil. Factor:	2.20	Date of Analysis:	6/12/07 05:47 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.055	1.5	320	8800

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	96	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-8

Lab ID#: 0706110B-06A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6061214	**Date of Collection:**	6/4/07
Dil. Factor:	2.24	**Date of Analysis:**	6/12/07 06:14 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.056	0.48	320	2800

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	96	75-150

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-9

Lab ID#: 0706110B-07A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6061215	Date of Collection:	6/4/07
Dil. Factor:	2.16	Date of Analysis:	6/12/07 06:41 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.054	Not Detected	310	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	96	75-150

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0706110B-08A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6061208	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/07 01:11 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Stoddard Solvent	0.025	Not Detected	140	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	96	75-150

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0706110B-09A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6061204a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 6/12/07 10:27 AM	

Compound	%Recovery
Stoddard Solvent	87

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	101	75-150

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CHAIN-OF-CUSTODY RECORD

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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager: David Reinsmoen
Collected by: (Print and Sign) Dan Bird
Company: TRINITY SOURCE GROUP Email: daretsgcorp.net
Address: 910 Main Court City: Aptos State: CA Zip: 95003
Phone: 831-685-1217 Fax: 831 685 1219

Project Info:
P.O. #: 103.004.004
Project #: 103.004.004
Project Name: Seaway Property

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: BS
Date: 6/7/07
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
01A	VS-3	2120	6/4/07	1425	TO-3 TVHHSS, O_2, CO, Methane TO-15 IPA direct inject	-35	-5	3.0	15
02A	VS-4	33710		1247		-35	-5	2.0	
03A	VS-5	34626		1310		-33	-5	3.0	
04A	VS-6	3416		1332		-33	-5	3.0	
05A	VS-7	1490		1448		-35	-5	2.5	
06A	VS-8	2123		1357		-35	-5	3.0	
07A	VS-9	31772		1217		-35	-5	2.0	
08A	VS-7-QC	TEDLAR	6/4/07	1446	TO-15 for IPA Direct Inject	N/A	N/A		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	6/5/07 1000	Manuel Gaeta AIL	6/6/07
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:
2-Proposed Rpt. limit 0.012 µg/L; 12 µg/m³

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8459803157008966	N/A	Good	Yes No None	0706110

Form 1298 rev.11

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This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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Hours 8:00 A.M to 6:00 P.M. Pacific

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0706110A

Work Order Summary

CLIENT:	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Road Aptos, CA 95003	**BILL TO:**	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Road Aptos, CA 95003
PHONE:	831-685-1217	**P.O. #**	103.004.004
FAX:		**PROJECT #**	103.004.004 Searway Property
DATE RECEIVED:	06/06/2007	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	06/18/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VS-3	Mod. Method TO-15	3.0 "Hg
02A	VS-4	Mod. Method TO-15	2.0 "Hg
03A	VS-5	Mod. Method TO-15	3.0 "Hg
03AA	VS-5 Lab Duplicate	Mod. Method TO-15	3.0 "Hg
04A	VS-6	Mod. Method TO-15	3.0 "Hg
05A	VS-7	Mod. Method TO-15	2.5 "Hg
06A	VS-8	Mod. Method TO-15	3.0 "Hg
07A	VS-9	Mod. Method TO-15	2.0 "Hg
08A	VS-7-QC	Mod. Method TO-15	Tedlar Bag
09A	Lab Blank	Mod. Method TO-15	NA
10A	CCV	Mod. Method TO-15	NA
11A	LCS	Mod. Method TO-15	NA

CERTIFIED BY: Linda D. Truman DATE: 06/18/07

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Mod. Method TO-15
Trinity Source Group
Workorder# 0706110A

Seven 1 Liter Summa Canister and one 1 Liter Tedlar Bag samples were received on June 06, 2007. The laboratory performed the analysis via Modified Method TO-15 using GC/MS in the full scan mode. The method involves direct injection of up to a 40 mL sample aliquot into a vapor management system. Following dehumidification the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED TO-15 GC/MS

Client Sample ID: VS-3

Lab ID#: 0706110A-01A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.022	14	55	36000

Client Sample ID: VS-4

Lab ID#: 0706110A-02A

No Detections Were Found.

Client Sample ID: VS-5

Lab ID#: 0706110A-03A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	0.064	28	160

Client Sample ID: VS-5 Lab Duplicate

Lab ID#: 0706110A-03AA

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	0.057	28	140

Client Sample ID: VS-6

Lab ID#: 0706110A-04A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	0.017	28	42

Client Sample ID: VS-7

Lab ID#: 0706110A-05A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	6.3	27	15000

Client Sample ID: VS-8

Lab ID#: 0706110A-06A

Summary of Detected Compounds
MODIFIED TO-15 GC/MS

Client Sample ID: VS-8

Lab ID#: 0706110A-06A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	1.9	28	4600

Client Sample ID: VS-9

Lab ID#: 0706110A-07A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	0.083	26	200

Client Sample ID: VS-7-QC

Lab ID#: 0706110A-08A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.086	62	210	150000

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Client Sample ID: VS-3

Lab ID#: 0706110A-01A

MODIFIED TO-15 GC/MS

File Name:	c061443	Date of Collection:	6/4/07
Dil. Factor:	4.48	Date of Analysis:	6/14/07 10:18 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.022	14	55	36000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-4

Lab ID#: 0706110A-02A

MODIFIED TO-15 GC/MS

File Name:	c061441	Date of Collection: 6/4/07
Dil. Factor:	2.16	Date of Analysis: 6/14/07 09:31 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	Not Detected	26	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-5

Lab ID#: 0706110A-03A

MODIFIED TO-15 GC/MS

File Name:	c061439	Date of Collection: 6/4/07
Dil. Factor:	2.24	Date of Analysis: 6/14/07 08:45 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	0.064	28	160

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-5 Lab Duplicate

Lab ID#: 0706110A-03AA

MODIFIED TO-15 GC/MS

File Name:	c061442	Date of Collection: 6/4/07
Dil. Factor:	2.24	Date of Analysis: 6/14/07 09:54 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	0.057	28	140

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-6

Lab ID#: 0706110A-04A

MODIFIED TO-15 GC/MS

File Name:	c061440	Date of Collection: 6/4/07
Dil. Factor:	2.24	Date of Analysis: 6/14/07 09:07 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	0.017	28	42

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-7

Lab ID#: 0706110A-05A

MODIFIED TO-15 GC/MS

File Name: c061444	Date of Collection: 6/4/07
Dil. Factor: 2.20	Date of Analysis: 6/14/07 10:43 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	6.3	27	15000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-8

Lab ID#: 0706110A-06A

MODIFIED TO-15 GC/MS

File Name:	c061445	Date of Collection: 6/4/07
Dil. Factor:	2.24	Date of Analysis: 6/14/07 11:23 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	1.9	28	4600

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-9

Lab ID#: 0706110A-07A

MODIFIED TO-15 GC/MS

File Name:	c061447	Date of Collection:	6/4/07
Dil. Factor:	2.16	Date of Analysis:	6/15/07 12:44 AM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.011	0.083	26	200

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-7-QC

Lab ID#: 0706110A-08A

MODIFIED TO-15 GC/MS

File Name:	c061446	Date of Collection:	6/4/07
Dil. Factor:	17.3	Date of Analysis:	6/15/07 12:14 AM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.086	62	210	150000

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0706110A-09A

MODIFIED TO-15 GC/MS

File Name:	c061429	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 6/14/07 03:08 PM	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	0.0050	Not Detected	12	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0706110A-10A

MODIFIED TO-15 GC/MS

File Name:	c061427	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 6/14/07 02:01 PM	

Compound	%Recovery
2-Propanol	89

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0706110A-11A

MODIFIED TO-15 GC/MS

File Name:	c061428	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 6/14/07 02:30 PM	

Compound	%Recovery
2-Propanol	112

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

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Project Manager: DAVID ROUNSAVILLE
Collected by: (Print and Sign) Dan Bird
Company: TRINITY SOURCE GROUP Email: davet@sgcorp.net
Address: 910 Main Courtland City: Aptos State: CA Zip: 95003
Phone: 831-685-1217 Fax: 831 685 1219

Project Info:
P.O. # 103.004.004
Project # 103.004.004
Project Name: Seaway Property

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: BS
Date: 6/7/07
Pressurization Gas: N2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
01A	VS-3	2120	6/4/07	1425	TO-3 TVHSS, O2, CO2, Methane TO-15 IPA direct inject	-35	-5	3.0	15
02A	VS-4	33710		1247		-35	-5	2.0	
03A	VS-5	34626		1310		-33	-5	3.0	
04A	VS-6	34116		1332		-33	-5	3.0	
05A	VS-7	1490		1448		-35	-5	2.5	
06A	VS-8	2123		1357		-35	-5	3.0	
07A	VS-9	31772	↓	1217	↓	-35	-5	2.0	
08A	VS-7-QC	TEDLAR	6/4/07	1446	TO-15 for IPA Direct inject	N/A	N/A		

Relinquished by: (signature) Date/Time: 6/5/07 1000
Received by: (signature) Date/Time: 6/6/07
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Notes:
2-Propanol Rpt. limit 0.012 µg/L; 12 µg/m³

Lab Use Only
Shipper Name: Fed Ex
Air Bill #: 8045803157008966
Temp (°C): N/A
Condition: Good
Custody Seals Intact? Yes No None
Work Order #: 0706110

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WORK ORDER #: 0706110C

Work Order Summary

CLIENT:	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Road Aptos, CA 95003	**BILL TO:**	Mr. Dan Birch Trinity Source Group 910 Mesa Grande Road Aptos, CA 95003
PHONE:	831-685-1217	**P.O. #**	103.004.004
FAX:		**PROJECT #**	103.004.004 Searway Property
DATE RECEIVED:	06/06/2007	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	06/18/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VS-3	Modified ASTM D-1946	3.0 "Hg
02A	VS-4	Modified ASTM D-1946	2.0 "Hg
03A	VS-5	Modified ASTM D-1946	3.0 "Hg
04A	VS-6	Modified ASTM D-1946	3.0 "Hg
05A	VS-7	Modified ASTM D-1946	2.5 "Hg
06A	VS-8	Modified ASTM D-1946	3.0 "Hg
07A	VS-9	Modified ASTM D-1946	2.0 "Hg
07AA	VS-9 Lab Duplicate	Modified ASTM D-1946	2.0 "Hg
08A	Lab Blank	Modified ASTM D-1946	NA
09A	LCS	Modified ASTM D-1946	NA

CERTIFIED BY: Linda D. Truman DATE: 06/18/07

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified ASTM D-1946
Trinity Source Group
Workorder# 0706110C

Seven 1 Liter Summa Canister samples were received on June 06, 2007. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples include:

Requirement	*ASTM D-1946*	*ATL Modifications*
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Client Sample ID: VS-3

Lab ID#: 0706110C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Carbon Dioxide	0.022	2.5

Client Sample ID: VS-4

Lab ID#: 0706110C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	20
Carbon Dioxide	0.022	1.5

Client Sample ID: VS-5

Lab ID#: 0706110C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	20
Carbon Dioxide	0.022	0.72

Client Sample ID: VS-6

Lab ID#: 0706110C-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Carbon Dioxide	0.022	1.8

Client Sample ID: VS-7

Lab ID#: 0706110C-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Carbon Dioxide	0.022	1.7

Client Sample ID: VS-8

Lab ID#: 0706110C-06A

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Client Sample ID: VS-8

Lab ID#: 0706110C-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	20
Carbon Dioxide	0.022	1.3

Client Sample ID: VS-9

Lab ID#: 0706110C-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Carbon Dioxide	0.022	2.3

Client Sample ID: VS-9 Lab Duplicate

Lab ID#: 0706110C-07AA

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Carbon Dioxide	0.022	2.3

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-3

Lab ID#: 0706110C-01A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9061003	Date of Collection:	6/4/07
Dil. Factor:	2.24	Date of Analysis:	6/10/07 09:59 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	2.5

Container Type: 1 Liter Summa Canister

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-4

Lab ID#: 0706110C-02A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9061004**	**Date of Collection: 6/4/07**	
Dil. Factor:	**2.16**	**Date of Analysis: 6/10/07 10:31 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	20
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	1.5

Container Type: 1 Liter Summa Canister

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-5

Lab ID#: 0706110C-03A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9061005**	**Date of Collection: 6/4/07**	
Dil. Factor:	**2.24**	**Date of Analysis: 6/10/07 10:55 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	20
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	0.72

Container Type: 1 Liter Summa Canister

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-6

Lab ID#: 0706110C-04A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9061006	Date of Collection:	6/4/07
Dil. Factor:	2.24	Date of Analysis:	6/10/07 11:23 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	1.8

Container Type: 1 Liter Summa Canister

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-7

Lab ID#: 0706110C-05A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9061007**	**Date of Collection: 6/4/07**	
Dil. Factor:	**2.20**	**Date of Analysis: 6/10/07 11:44 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	1.7

Container Type: 1 Liter Summa Canister

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-8

Lab ID#: 0706110C-06A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9061008	Date of Collection:	6/4/07
Dil. Factor:	2.24	Date of Analysis:	6/10/07 12:13 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	20
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	1.3

Container Type: 1 Liter Summa Canister

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-9

Lab ID#: 0706110C-07A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9061009	Date of Collection:	6/4/07
Dil. Factor:	2.16	Date of Analysis:	6/10/07 12:38 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	2.3

Container Type: 1 Liter Summa Canister

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VS-9 Lab Duplicate

Lab ID#: 0706110C-07AA

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9061010	Date of Collection:	6/4/07
Dil. Factor:	2.16	Date of Analysis:	6/10/07 01:41 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	2.3

Container Type: 1 Liter Summa Canister

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0706110C-08A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9061002	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 6/10/07 09:36 AM	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0706110C-09A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9061012	**Date of Collection:**	NA
Dil. Factor:	1.00	**Date of Analysis:**	6/10/07 02:42 PM

Compound	%Recovery
Oxygen	99
Methane	99
Carbon Dioxide	100

Container Type: NA - Not Applicable

David Reinsma

From: Dan Birch [djb@tsgcorp.net]
Sent: Wednesday, June 20, 2007 7:26 AM
To: 'David Reinsma'
Subject: FW: Proj. Name: Searway Property, Project ID: 9615, Project #:103.004.004, Final Report: WO# 0706110C,

Importance: High

Attachments: 0706110C_d.pdf; 0706110CCOC.pdf


0706110C_d.pdf (196 KB)


0706110CCOC.pdf (35 KB)

-----Original Message-----
From: Air Toxics Ltd. Final Report [mailto:finalreport@airtoxics.com]
Sent: Monday, June 18, 2007 4:21 PM
To: djb@tsgcorp.net
Subject: Proj. Name: Searway Property, Project ID: 9615, Project #:103.004.004, Final Report: WO# 0706110C,
Importance: High

** High Priority **

Project Name: Searway Property
Date Received: 06/06/07
Date Promised: 06/20/07

Sample Listing

Sample Collection Date	Pressure	Analysis
VS-3 06/04/07	3.0 "Hg	Modified ASTM D-1946
VS-4 06/04/07	2.0 "Hg	Modified ASTM D-1946
VS-5 06/04/07	3.0 "Hg	Modified ASTM D-1946
VS-6 06/04/07	3.0 "Hg	Modified ASTM D-1946
VS-7 06/04/07	2.5 "Hg	Modified ASTM D-1946
VS-8 06/04/07	3.0 "Hg	Modified ASTM D-1946
VS-9 06/04/07	2.0 "Hg	Modified ASTM D-1946
VS-9 Lab Duplicate 06/04/07	2.0 "Hg	Modified ASTM D-1946

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. The attached document, 0706110C_d.PDF, is provided in Portable Document Format (PDF). To view the document, use Acrobat Reader by Adobe. If you do not have Acrobat Reader, you can download a free copy from the Adobe website at http://www.adobe.com.

Air Toxics Ltd. appreciates your business. If you have any questions regarding
the electronic report, please contact Kyle Vagadori by phone at (916) 985-1000
or by e-mail at K.Vagadori@airtoxics.com. For more information about
Air Toxics Ltd., you can visit us at http://www.airtoxics.com.

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager DAVID REINSMEN

Collected by: (Print and Sign) Dan Bird

Company TRINITY SOURCE GROUP Email davetsgroup.net

Address 210 Main Gandalf City Aptos State CA Zip 95003

Phone 831-685-1217 Fax 831 685 1219

Project Info:
P.O. # 103.004.004
Project # 103.004.004
Project Name Seaway Property

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: DS
Date: 6/7/07
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
01A	VS-3	2120	6/4/07	1425	TO-3 TVHSS, O_2, CO, Methane TO-15 IPA Direct Inject	-35	-5	3.0	15.5
02A	VS-4	33710		1247		-35	-5	2.0	
03A	VS-5	34626		1310		-33	-5	3.0	
04A	VS-6	34N6		1332		-33	-5	3.0	
05A	VS-7	1490		1448		-35	-5	2.5	
06A	VS-8	2123		1357		-35	-5	3.0	
07A	VS-9	31772		1217		-35	-5	2.0	
08A	VS-7-QC	TEDLAR	6/4/07	1446	TO-15 for IPA Direct Inject	N/A	N/A		

Relinquished by: (signature) Date/Time: 6/5/07 1000
Received by: (signature) Date/Time: Marian Glasson ATL 6/6/07

Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Notes:
2-Propanol Rpt. limit 0.012 µg/L; 12 µg/m³

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	794580315700896	N/A	Good	Yes / No / None	0706110

Form 1259 rev.11