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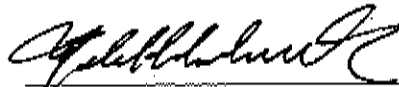
*Classic Touch Cleaners  
3518-3520 Fruitvale Avenue  
Oakland, California*

## PREPARED FOR:

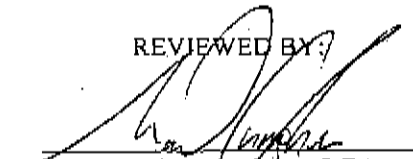
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ALLWEST PROJECT No. 25152.23  
August 26, 2005

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## SUBSURFACE INVESTIGATION REPORT

*Classic Touch Cleaners  
3518-3520 Fruitvale Avenue  
Oakland, California*

### I. EXECUTIVE SUMMARY

AllWest conducted a subsurface investigation on August 9, 2005 at the Classic Touch Cleaners, a dry cleaning facility located at 3518-1520 Fruitvale Avenue, Oakland, California (Figure 1). The purpose of the investigation was to assess if site soil or groundwater was impacted by the historic use of the dry cleaning solvent tetrachloroethene (PCE) at the property. Analytical results were compared to the City of Oakland and the San Francisco Bay Regional Water Quality Control Board (RWQCB) guidelines to assess if residual chemicals are of concern to property tenants and the environment.

*This executive summary is provided solely for the purpose of overview. Any party who relies on this report must read the full report. The executive summary omits a number of details, any one of which could be crucial to the proper understanding and risk assessment of the subject matter.*

An approximately 2,500 square foot, dry cleaning facility operates at the property. The facility is located on a slab-on-grade, cement block and wood frame building. A dry cleaner has operated at this tenant space since circa 1989.

Adjacent properties to the north and south consist of commercial business buildings, an asphalt paved parking lot to the east and sidewalks and Fruitvale Avenue to the west. No monitoring or groundwater supply wells were observed on the subject or adjacent properties. No previous subsurface investigations have been performed at the property.

The subsurface investigation performed by AllWest on August 9, 2005 included the drilling and sampling of five soil boreholes (AWB-1 through AWB-5) and analyzing soil and "grab" groundwater samples for halogenated volatile organic compounds (VOCs) including the dry cleaning solvent PCE. Prior to subsurface activities A drilling permit was obtained from the Alameda County Department of Environmental Health (ACDEH). The boreholes were advanced by a limited access and truck mounted drill rigs to depths of 11 to 17 feet below ground surface (bgs).

Three soil borings, AWB-2, AWB-3 and AWB-4, were drilled in the interior of the building adjacent to the dry cleaning machine (Figure 3). PCE was detected in all three borings and attenuated (decreased) with depth.

The highest concentrations of PCE, 2,000 parts per billion (ppb), was detected in the soil sample collected from AWB-2 at a depth of 3 to 4 feet. Concentrations of PCE in this boring decreased to 160 ppb at 7 - 8 feet and to 32 ppb at a depth of 11-12 feet (Table 1). A similar pattern of decreasing concentration with depth was demonstrated in boring AWB-4 where a concentration of PCE, 1,100 ppb was detected at a depth of 3 to 4 feet, and decreased to 140 ppb at a depth of 7 to 8 feet. Similar decreases were noted in the soil samples collected from AWB-3. No other VOCs were detected in these borings.

Two exterior borings AWB-1 and AWB-5 were located in the presumed hydraulically downgradient direction of the dry cleaner suite. Soil and groundwater samples were also collected from these borings.

Boring AWB-5 was advanced east of the dry cleaner suite in the parking lot. Trace levels of PCE, 8.9 ppb, were detected in the soil sample collected from the boring at a depth of 3 to 4 feet. Due to the low concentration detected samples from deeper depths were not analyzed from this location. PCE was detected in the groundwater sample collected from boring AWB-5 at a concentration of 2.6 micrograms per liter ( $\mu\text{g/L}$ ), equivalent to parts per billion (ppb).

Boring AWB - 1 was located approximately 50 feet southwest of the dry cleaner suite in a parking lane of Fruitvale Ave. No VOCs were detected in the soil or groundwater sample collected from AWB-1. Soil and groundwater analytical results are summarized in Table 1 and 2.

No breakdown products of PCE were detected in soil or groundwater samples analyzed indicating biodegradation is not occurring at a significant rate in the subsurface. It is reasonable to presume concentrations of PCE in soil and groundwater will decline over time through other natural attenuation processes including volatilization, dispersion and dilution.

To evaluate the impacts of the PCE on human health at the property, site specific maximum soil and groundwater values were compared to Site-Specific Target Levels (SSTLs) developed by the City of Oakland Environmental Services Division (COESD), as presented in the *Oakland Risk-Based Corrective Action (RBCA): Technical Background Document, Update January 1, 2000*. The Oakland Tier 2 SSTLs are intended to address human health concerns at the majority of sites in Oakland where commonly found contaminants are present. Site specific maximum soil and groundwater values were also compared to Environmental Screening Levels (ESLs) developed by the State of California Regional Water Quality Control Board, San Francisco (RWQCB). Under most circumstances, the presence of a chemical at a concentration below the corresponding SSTL or ESL can be presumed to not pose a significant risk to human health and the environment.

Based on the site location; a dense, built-up urban environment and the shallow depth to groundwater, it is reasonable to presume the first encountered groundwater in the vicinity of the subject property is not considered a current or potential drinking water source. The most likely exposure route for soil and groundwater contamination at the property and neighboring tenants is the off-gasing of PCE into indoor air and inhalation by people at the subject property. Other exposure routes, including ingestion and direct contact are considered unlikely given the location and nature of the site.

As presented on Table 1, the maximum concentrations of PCE detected in soil, 2,000 ppb (SB-2-4') and 1,100 ppb (AWB-4-4) were compared to SSTLs and ESL values for commercial setting for potential indoor impacts. The SSTL for PCE in subsurface soil that is a sandy silt in a commercial setting is 73,000 ppb. The ESL for PCE in shallow soil ( $\leq 3$  meters) in a commercial setting is 240 ppb. The maximum detected concentrations of PCE in site soils are below the commercial SSTL but above the commercial ESL. Soil samples collected from deeper depths are below both SSTLs and ESLs.

As presented on Table 2, the maximum concentrations of PCE detected in groundwater, 2.6 ppb (AWB-5W), were compared to SSTLs and ESLs for potential ingestion and impacts to surface water. The SSTL and ESL for PCE in groundwater for these settings is 5.0 ppb. The maximum detected PCE value is below both the SSTL and ESL value.

Based on the sampling data and comparison to SSTLs and ESLs, the following conclusions are offered:

- Historic operations at the dry cleaner facility resulted in a release of PCE which has impacted soil and groundwater at the property;
- Elevated levels of PCE are limited to near surface soils in the vicinity of the former dry cleaning operations and attenuate rapidly with depth;
- Concentrations of PCE in site soil and groundwater are well below commercial SSTLs for on-site receptors;
- Concentrations of PCE in shallow soil samples are above commercial ESLs with deeper samples below ESLs;
- The maximum PCE groundwater concentration detected is below SSTLs and ESLs
- Residual concentrations of VOCs will decrease due to natural attenuation.

Based on site specific results and comparison with Oakland SSTLs and RWQCB ESLs, it is unlikely that the residual chlorinated solvents in the site soil and groundwater pose an unacceptable risk to human health or the environment.

AllWest recommends that Classic Touch Cleaners improve general "housekeeping" operations at the property including providing secondary containment structures for the dry cleaning machine and all waste containers, maintain the floor sealant in the vicinity of the dry cleaning machine and chemical storage area and discontinue the disposal of any fluid that may contain PCE via the sanitary sewer. Copies of the waste manifests, receipts and other related regulatory documents should be kept onsite.

## II. INTRODUCTION

AllWest conducted a subsurface investigation on August 9, 2005 at Classic Touch Cleaners, 3518-3520 Fruitvale Avenue, Oakland, California. The purpose of the investigation is to assess if the historical use of property as a dry cleaning facility resulted in the release of the dry cleaning solvent PCE, impacted soil and groundwater at the site and posed a threat to the human health of onsite tenants.

The subsurface investigation performed by AllWest included the drilling and sampling of five soil boreholes (AWB-1 through AWB-5) and analyzing soil and "grab" groundwater samples for halogenated volatile organic compounds (VOCs) including PCE. Three borings were drilled within the interior of the building. Two borings were drilled at exterior locations in inferred downgradient directions from the PCE source area (Figure 3).

### A. Site Background

The subject property is located at 3518-3520 Fruitvale Avenue, Oakland, California on the east side of Fruitvale Avenue, approximately 100 feet north of MacArthur Boulevard, in a mixed commercial and residential area of Oakland. The location of the subject property is graphically depicted in Figures 1 and 2.

Classic Touch Cleaners is a dry cleaning facility which uses the dry cleaning chemical perchloroethene (PCE) in its onsite operations. A dry cleaning facility has been at this tenant space since 1989. The facility uses a Bowe Permac Flexible M40, dry cleaning machine with a built-in refrigerated condenser. The machine is self contained (non-transfer) and holds a maximum rated capacity of 100 gallons of PCE. The operators of the dry cleaners stated new PCE is added directly to the dry cleaning machine on an as needed basis by a chemical supply company. No "fresh" or new PCE is stored onsite.

Spent or waste PCE is stored in two 30-gallon drums. No secondary containment for the drums or the dry cleaning machine was present. No spills, staining or deteriorated flooring was observed. Several 5-gallon containers of condensate from the dry cleaning equipment are stored at the facility. The operators of the cleaners stated the condensate is inspected for a sheen; if present, the condensate is disposed offsite along with the spent PCE. If no sheen is present, the condensate is discharged to the sanitary sewers. The concrete floor in the vicinity of the dry cleaning machine is sealed with an epoxy coating. Disposal records, the facility's hazardous materials business plan (HMBP) and other related documents were not present at the facility.

## B. Scope of Work

The scope of work was outlined in AllWest's proposal of April 11, 2005, consisted of the following tasks:

- Develop a Site Specific Health and Safety Plan for the planned subsurface investigation and obtain the necessary permit from Alameda County Public Works Agency (ACPWA);
- Arrange underground utility clearing through Underground Service Alert (USA) and a private line locator;
- Engage a qualified drilling contractor to perform borehole advancement;
- Advance five (5) soil boreholes using a limited access and geoprobe drilling rigs at selected areas of the site. Collect representative soil and "grab" groundwater samples from the boreholes for analytical testing;
- Submit soil and groundwater samples to a California Department of Health Services certified laboratory;
- Analyze ten soil and two groundwater samples for halogenated volatile organic compounds (VOCs); and
- Interpret the data and present findings in a written report describing the field activities, summarizing the analytical results, and provide conclusions and recommendations.

## III. PROJECT INITIATION

### A. Underground Utility Clearing

To avoid damage to underground utility installations during the course of the subsurface investigation, AllWest contacted Underground Service Alert (USA), an organization for public utility information, on the pending subsurface investigation. USA then notified each of the public and private entities that maintained underground utilities within the vicinity of the site to locate and mark their installations for field identification.

A private underground utility locator, *GeoTech Utility Locating*, of El Cerrito, California, was also employed by *AllWest* to conduct a magnetometer sweep of the investigation area to locate the marked and unmarked underground utilities. All final sampling locations were cleared of known underground utilities.

## **B. Permitting**

Prior to the start of subsurface activities a drilling permit was obtained from the Alameda County Department of Environmental Health (ACDEH). A copy of the permit is attached in Appendix A.

## **IV. FIELD INVESTIGATION AND SAMPLING METHODOLOGY**

### **A. Soil Borehole Advancement**

A total of five soil borings, AWB-1 through AWB-5, were advanced at the subject site during this surface investigation. Boring AWB-1 was located in the parking lane of Fruitvale Avenue. Borings AWB-2, AWB-3 and AWB-4 were located inside the building in the vicinity of the dry cleaning machine. Boring AWB-5 was located in a parking lot located east of the dry cleaners building. Borings AWB-1 and AWB-5 were located in the assumed general down-gradient direction of the dry cleaning machine. Borehole locations are graphically presented in Figure 3.

The borehole advancement was performed by *Environmental Control Associates, Inc.* (ECA) of Aptos, California, a licensed C-57 California drilling contractor. The interior soil boreholes were advanced by limited access drilling equipment and the exterior utilizing a truck mounted direct push drill rig. The standard procedure for borehole advancement, as presented in Appendix B, was followed. During the borehole advancement operation, a project engineer from *AllWest* was present to collect representative soil and groundwater samples, to conduct field screening and to maintain a continuous log of drilling activities. All work was performed under the supervision of a California Professional Geologist.

The boring logs contained pertinent information on borehole advancement and soil conditions, in particular the lithology of site soils and physical characteristics. Copies of the boring logs, log legends, and a copy of the Unified Soil Classification System (USCS) are included in Appendix C.

### **B. Soil Sampling**

Discrete soil samples for chemical analysis were collected from each borehole at approximate depths of 3 to 4, 7 to 8 and 11 to 12 feet below ground surface (bgs). Additional soil samples were also collected for lithological purposes. The standard geoprobe soil sampling procedures, as presented in Appendix B, were followed. A total of 14 soil samples were collected during the subsurface investigation.



### C. Groundwater Sampling

Groundwater was first identified in borings AWB-1 and AWB-5 at approximate depths of 10 to 15 feet bgs. After borings AWB-1 and AWB-5 reached total depth, clean PVC plastic casings and screen were lowered into the boreholes and used as a temporary well screen. A new Teflon disposable bailer was used to collect groundwater samples. All water samples were transferred to appropriate sample bottles furnished by the analytical laboratory. Samples for VOC analysis were collected in three 40 milliliter(ml) VOA vials. All VOA sample bottles had a Teflon lined septum/cap and were filled such that no headspace was present. All sample bottles were labeled and immediately placed on ice.

After the completion of soil and groundwater sampling activities all borings were backfilled to the surface with a "neat" cement grout.

## V. SUBSURFACE CONDITION

Site soils encountered were predominately a clayey sand to sandy clay with some sand zones. The soil was generally dark brown to light brown with the sand zones being black. Moisture content increased with depth. Groundwater was encountered at an approximate depth of 10 to 15 feet bgs in AWB-1 and AWB-5. Based on the site location and local topography a groundwater flow direction is estimated to the southwest, towards the Oakland Estuary and San Francisco Bay.

## VI. LABORATORY ANALYSES

Two groundwater and ten soil samples were analyzed by *STL Analytical, Inc.* (STL), Pleasanton, California. STL is a California Department of Health Services (DHS) certified analytical laboratory for the analysis requested. All of the samples were analyzed for halogenated volatile organic compounds (HVOCs) per EPA Method 8260B.

### Soil

PCE was detected in eight of ten soil samples analyzed. The highest concentration of PCE was detected in soil samples collected from shallow depths (3 to 4 feet) in the vicinity of the dry cleaning machine. Concentrations rapidly attenuated with depth. Trace levels of PCE were detected in the soil sample collected from boring AWB-5 located in the parking lot and east of the dry cleaning machine. No chemicals were detected in the soil sample collected from AWB-1 located southwest of the facility. No other VOCs were detected. Soil analytical results are summarized in Table 1.

### Groundwater

PCE was detected at a maximum concentration of 2.6 micrograms per liter ( $\mu\text{g/L}$ ), equivalent to parts per billion (ppb) in a groundwater sample collected from AWB-5. PCE was not detected in the groundwater sample collected from AWB-1. No other VOCs were detected. Groundwater analytical results are summarized in Table 2.

## VII. DISCUSSION OF FINDINGS

Chemical analysis of samples collected during the investigation detected the dry cleaning solvent PCE in soil samples collected in the immediate vicinity of the dry cleaning machine. The highest concentrations were detected in the near surface soil samples collected at a depth of 3 to 4 feet bgs. The highest concentrations of PCE, 2,000 parts per billion (ppb), was detected in the soil sample collected from AWB-2 at a depth of 3 to 4 feet. Concentrations of PCE in this boring decreased to 160 ppb at 7 to 8 feet and to 32 ppb at a depth of 11 to 12 feet. A similar pattern of decreasing concentration with depth was demonstrated in boring AWB-4 where a concentration of PCE, 1,100 ppb detected at a depth of 3 to 4 feet and decreased to 140 ppb at a depth of 7 to 8 feet. Similar decreases were noted in the soil samples collected from AWB-3. No other VOCs were detected in these borings.

Two exterior borings AWB-1 and AWB-5 were located in the general presumed downgradient direction of the dry cleaning operations. Groundwater samples were collected from these borings to assess if historical dry cleaning operations had impacted groundwater. Soil samples were also collected from these locations. Trace levels of PCE, 8.9 ppb, were detected in the soil sample collected from boring AWB-5 at a depth of 3 to 4 feet. This boring is located outside and east of the dry cleaning machine. No chemicals were detected in the soil sample collected from AWB-1 located south west of the facility. No other VOCs were detected. Soil analytical results are summarized in Table 1.

PCE was detected in the groundwater samples collected from boring AWB-5W at a concentration of 2.6 micrograms per liter ( $\mu\text{g/L}$ ), which is equivalent to parts per billion (ppb). PCE was not detected in the groundwater sample collected from AWB-1. No other VOCs were detected in either groundwater sample. Groundwater analytical results are summarized in Table 2.

None of the common breakdown products of PCE were detected in the soil or groundwater samples indicating that biodegradation is not occurring. It is reasonable to presume concentrations of PCE in soil and groundwater will decline over time through the natural attenuation processes of volatilization, dispersion and dilution.

### *Oakland Tier 2 Site-Specific Target Levels*

Site specific maximum groundwater values were compared to Site-Specific Target Levels (SSTLs) developed by the City of Oakland Environmental Services Division (COESD), as presented in the *Oakland Risk-Based Corrective Action (RBCA): Technical Background Document, Update January 1, 2000*. The Oakland RBCA approach is the result of extensive work by the Urban Land Redevelopment (ULR) Program and Technical Advisory Committee, consisting of representatives from the Alameda County Department of Environmental Health (ACDEH), the Department of Toxic Substances Control (DTSC), the San Francisco Regional Water Quality Control Board (RWQCB), the United States Environmental Protection Agency (U.S. EPA), Spence Environmental Engineering, volunteer environmental consultants, and the City of Oakland.

The Oakland Tier 2 SSTLs are intended to address human health concerns at the majority of sites in Oakland where commonly found contaminants are present. Under most circumstances, the presence of a chemical at a concentration below the corresponding SSTL can be assumed to not pose a significant threat to human health and the environment. These conservative levels assume the following factors exist at the subject site:

- ▶ There is no continuing, primary source of chlorinated solvents at the site;
- ▶ There is a minimal amount of mobile or potentially-mobile free product;
- ▶ There are no more than five chemicals of concern at the site at a concentration greater than the lowest applicable Oakland RBCA level;
- ▶ There are no preferential vapor migration pathways that are potential conduits for the migration, on-site or off-site, of a volatilized chemical of concern;
- ▶ Groundwater is greater than 10 feet and ingestion of groundwater are not pathways of concern;
- ▶ There is a slab-on-grade foundation greater than 6 inches thick at the site and there are no existing on-site or off-site structures intended for future use where exposure to indoor air vapors from either soil or groundwater is of concern;
- ▶ There are no immediate, acute health risks to humans associated with contamination at the site, including explosive levels of any chemicals of concern; and
- ▶ There are no complete exposure pathways to nearby ecological receptors or protected areas.

The subject site meets the above criteria.

As presented on Tables 1 and 2, the maximum concentrations of PCE detected in soil, 2,000 ppb (SB-2-4') and 1,100 ppb (AWB-4-4') and groundwater at 2.6 ppb (AWB-5W) were compared to SSTLs for potential indoor impacts. The SSTL for PCE in subsurface soil that is a sandy silt type in a commercial setting is 73,000 ppb (Oakland RBCA January 2000 Technical Background Document, Table 6). The SSTL for potential indoor impacts for PCE in groundwater in a commercial setting is 200,000 ppb (Oakland RBCA January 2000 Technical Background Document, Table 6). In addition, the maximum concentration of PCE in groundwater, 2.6 ppb, was compared to SSTL for ingestion, 5.0 ppb. The maximum detected concentrations of PCE in site soil and groundwater are well below their indoor air and are also below ingestion SSTLs.

Tables 1 and 2 summarize soil and groundwater analytical results along with SSTLs for indoor air impacts and groundwater ingestion. Based on these comparisons the maximum concentrations of PCE and its breakdown products detected at the site do not pose an unacceptable risk to human health or the environment.

### ***Regional Water Quality Control Board Environmental Screening Levels***

Site specific maximum groundwater values were compared to Environmental Screening Levels (ESLs), developed to address environmental protection goals presented in the *Water Quality Control Plan for the San Francisco Bay Basin* ("Basin Plan," RWQCBSF 2005) of the San Francisco Bay Regional Water Quality Control Board (RWQCB). These goals include:

#### Surface Water and Groundwater:

- ▶ Protection of drinking water resources;
- ▶ Protection of aquatic habitats;
- ▶ Protection against vapor intrusion into buildings;
- ▶ Protection against adverse nuisance conditions.

#### Soil:

- ▶ Protection of human health (direct-exposure);
- ▶ Protection against vapor intrusion into buildings;
- ▶ Protection against leaching and subsequent impacts to groundwater;
- ▶ Protection of terrestrial biota;
- ▶ Protection against adverse nuisance conditions.

The ESLs are considered to be conservative. Under most circumstances, and within the limitations described, the presence of a chemical in soil, soil gas or groundwater at concentrations below the corresponding ESL can be assumed to not pose a significant, long-term (chronic) threat to human health and the environment. Additional evaluation will generally be necessary at sites where a chemical is present at concentrations above the corresponding ESL.

Based on the site location; the site setting is a dense, built-up urban environment and the shallow depth to groundwater, it is reasonable to presume the first encountered groundwater in the vicinity of the property is not considered as a current drinking water source.

As presented on Tables 1 and 2, the maximum concentrations of PCE detected in shallow soil, 2,000 ppb (SB-3-4') and 1,100 ppb (AWB-4-4') and groundwater, 2.6 ppb (AWB-5W) were compared to the commercial ESL for potential soil, indoor air and surface water impacts. The ESL for PCE in shallow soil ( $\leq 3$  meters) in a commercial setting is 240 ppb (RWQCB February 2005, Summary Tier 1 Lookup Table B). The ESL for PCE in groundwater that is a current or potential drinking water source in a commercial setting is 5.0 ppb (RWQCB February 2005, Summary Tier 1 Lookup Table A).

The maximum detected concentrations of PCE in shallow site soil (3 to 4 feet) exceeds the RWQCB commercial ESL. Concentrations of PCE in deeper soil are below their ESLs. The maximum concentration of PCE in site groundwater is below the ESL of 5.0 ppb.

## VIII. CONCLUSIONS AND RECOMMENDATIONS

Results from the investigation indicate a release of the dry cleaning solvent PCE has occurred in the vicinity of the dry cleaning machine and has impacted site soil and groundwater. The exact nature of the release is unknown, however, possible release scenarios include PCE spills during dry cleaning operations.

Based on the sampling data and comparison to SSTLs and ESLs, the following conclusions are offered:

- Historic operations at the dry cleaning facility resulted in a release of PCE which has impacted shallow soil and groundwater at the property;
- Elevated levels of PCE are limited to near surface soils in the vicinity of the former dry cleaning operations and attenuate (decrease) rapidly with depth;
- Concentrations of PCE in site soil and groundwater are well below commercial SSTLs for on-site receptors;
- Concentrations of PCE in shallow soil samples exceed commercial ESL with deeper soil samples below SSTLs and ESLs;
- The maximum PCE groundwater concentration detected is below SSTLs and ESLs;
- Residual concentrations of VOCs will decrease due to natural attenuation.

Based on site specific results and comparison with Oakland SSTLs and RWQCB ESLs, it is unlikely that the residual chlorinated solvents in the site soil and groundwater pose an unacceptable risk to human health or the environment.

AllWest recommends the tenant of the facility improve general "housekeeping" operations at the property including providing secondary containment structures for the dry cleaning machine and all waste containers, maintain the floor sealant in the vicinity of the dry cleaning machine and chemical storage area and discontinue the disposal of any fluid that may contain PCE via the sanitary sewer. Copies of the waste manifests, receipts, the HMBP and other related regulatory documents should be kept onsite.

## IX. REPORT LIMITATIONS

The work described in this report is performed in accordance with the Environmental Consulting Agreements between Kinder Company and AllWest Environmental, Inc, dated July 25, 2005. AllWest has prepared this report for the exclusive use of Kinder Company for this particular project and in accordance with generally accepted practices at the time of the work. No other warranties, certifications or representation, either expressed or implied are made as to the professional advice offered. The services provided Kinder Company were limited to their specific requirements; the limited scope allows for AllWest to form no more than an opinion of the actual site conditions. No matter how much research and sampling may be performed the only way to know about the actual composition and condition of the subsurface of a site is through excavation.

The conclusions and recommendations contained in this report are made based on observed conditions existing at the site, laboratory test results of the submitted samples, and interpretation of a limited data set. It must be recognized that changes can occur in subsurface conditions due to site use or other reasons. Furthermore, the distribution of chemical concentrations in the subsurface can vary spatially and over time. The results of chemical analysis are valid as of the date and at the sampling location only. AllWest cannot be held accountable for the accuracy of the test data from an independent laboratories nor for any analyte quantities falling below the recognized standard detection limits for the method utilized by the independent laboratories.

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# TABLES

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**

**Classic Touch Cleaners**  
**Oakland, California**

**AllWest Project No. 25152.23**

All Results in micrograms per Kilogram (ug/Kg)

Sample ID	Sample Date	Sample Depth (Feet)	PCE	All other VOCs
AWB-1-4	8/9/05	3-4	ND (<5.0)	ND (varies)
AWB-1-8	8/9/05	7-8	NA	NA
AWB-1-12	8/9/05	11-12	NA	NA
AWB-2-4	8/9/05	3-4	2,000	ND (varies)
AWB-2-8	8/9/05	7-8	160	ND (varies)
AWB-2-12	8/9/05	11-12	32	ND (varies)
AWB-3-4	8/9/05	3-4	520	ND (varies)
AWB-3-8	8/9/05	7-8	75	ND (varies)
AWB-3-12	8/9/05	11-12	ND (<5.0)	ND (varies)
AWB-4-4	8/9/05	3-4	1,100	ND (varies)
AWB-4-8	8/9/05	7-8	140	ND (varies)
AWB-5-4	8/9/05	3-4	8.9	ND (varies)
AWB-5-8	8/9/05	7-8	NA	NA
AWB-5-11	8/9/05	10-11	NA	NA
Oakland Tier 2 SSTLs Sandy Silt/Air Inhalation	Commercial	-----	73,000	-----
RWQCB Tier 1 ESLs for Shallow Soil	Commercial	-----	240	-----
RWQCB Indoor Air ESL (coarse grained)	Commercial	-----	.240	-----

Notes:

1. All results reported in microgram per kilogram (ug/Kg) which is equivalent to parts per billion (ppb)
2. PCE= tetrachloroethene
3. VOCs = Volatile Organic Compounds
4. Oakland Tier 2 SSTL = Site-Specific Target Levels for VOCs (City of Oakland, January 2000); Oakland Tier 2 SSTLs are applied at this site where sandy silts are the prevailing soil type
5. RWQCB ESL = Environmental Screening Levels (San Francisco Bay Regional Water Quality Control Board, 2005)
6. ND = Not detected at or above the laboratory method reporting limit (MRL)
7. NA = Not analyzed
8. Analytical methods for VOCs were by U.S. EPA method 8260B. Analytical results reported by STL Analytical, Inc.



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**

**Classic Touch Cleaners**  
**Oakland, California**

**AllWest Project No. 25152.23**

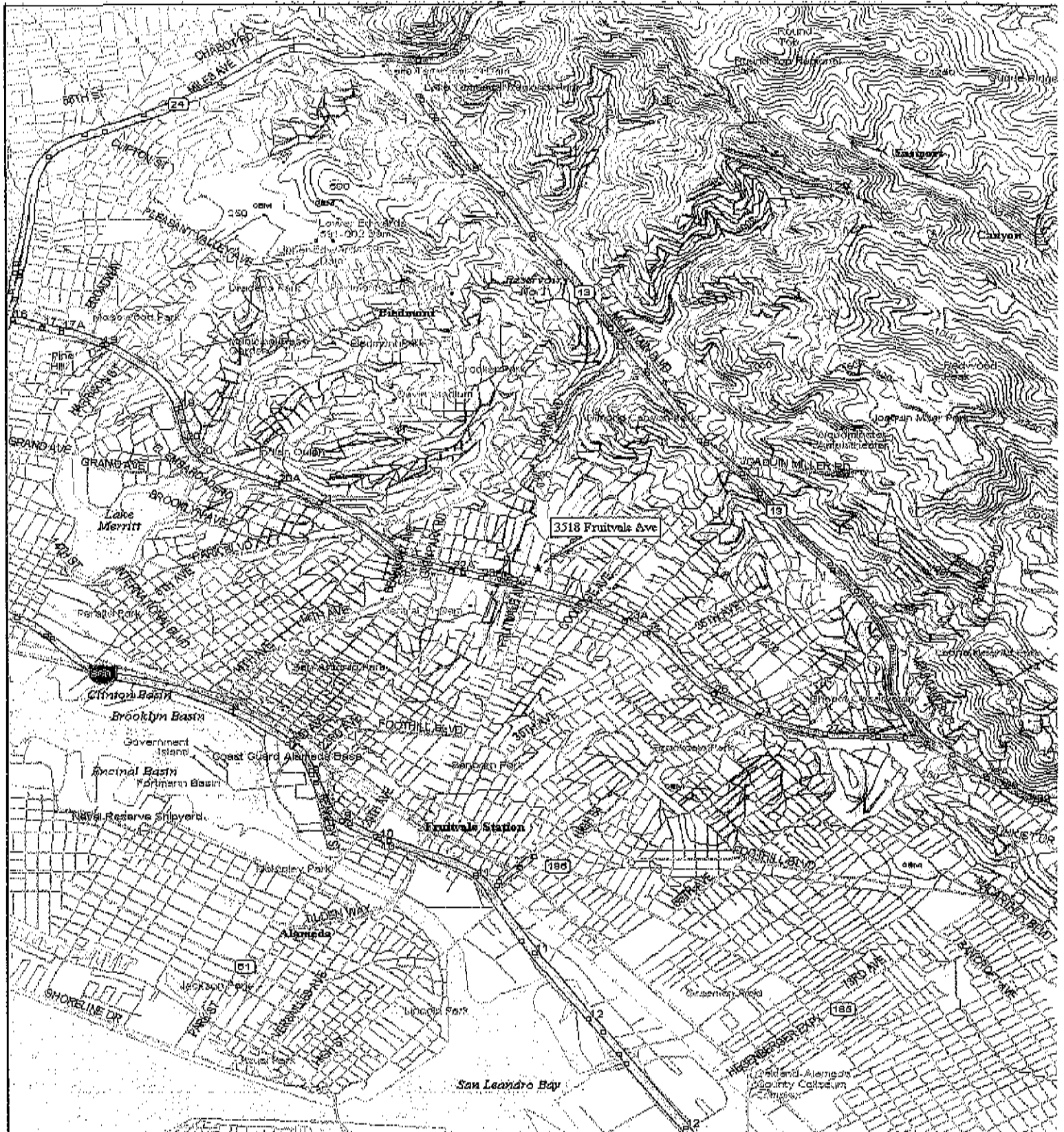
All Results in microgram per liter (ug/L)


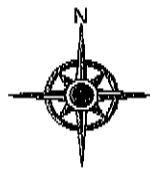

Sample ID	Sample Date	PCE	All other VOCs
AWB-1W	8/9/05	ND (<0.5)	ND
AWB-5W	8/9/05	2.6	ND
Oakland Tier 2 SSTLs Inhalation of Indoor Air Vapors	--	200,000	Varies-
Oakland Tier 2 SSTLs for ingestion	--	5.0	Varies-
RWQCB Tier 1 ESLs for GW as a potential drinking water source or to protect surface waters.	--	5.0	Varies

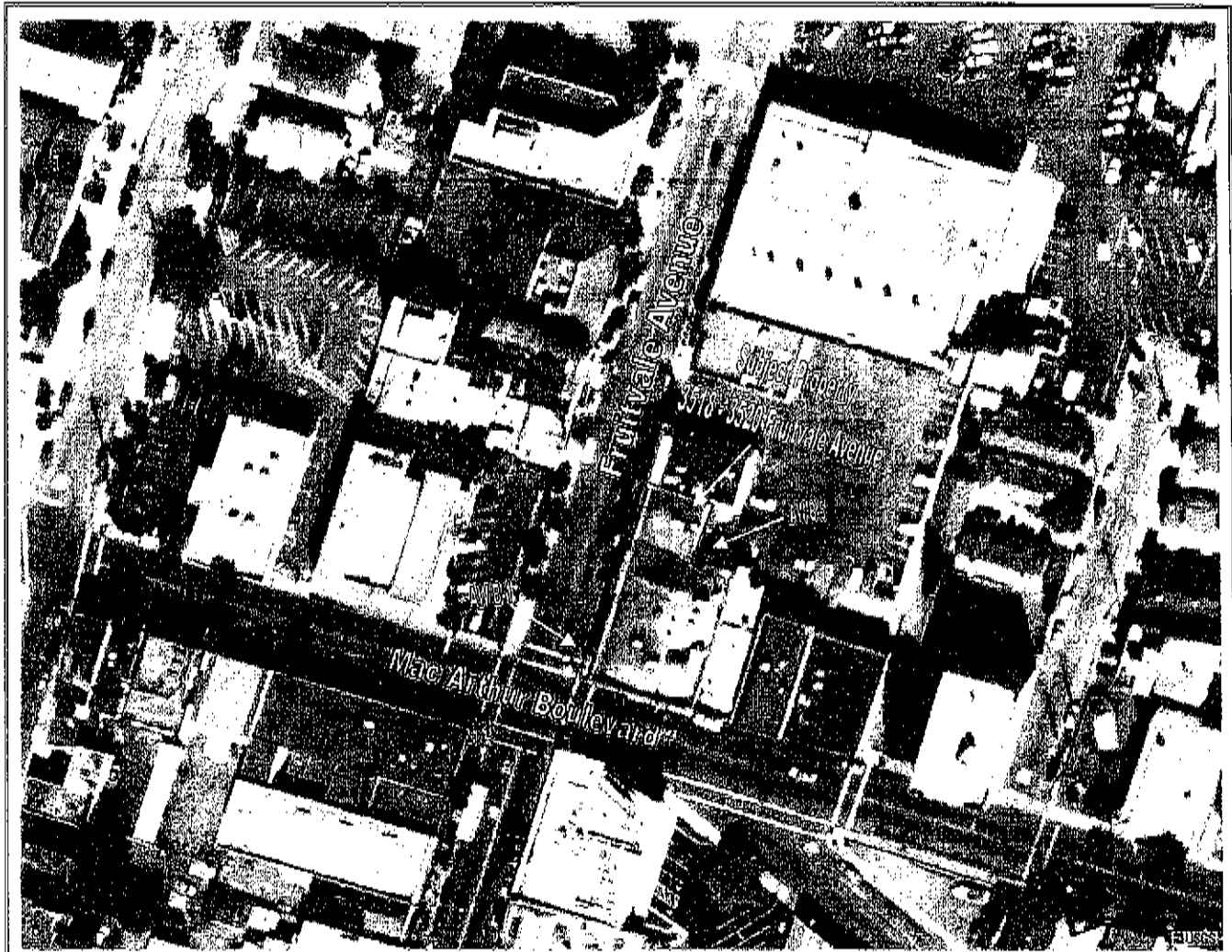
Notes:

1. PCE= tetrachloroethene
2. VOCs= Volatile Organic Compounds
3. All results are in microgram per liter (ug/L) which is equivalent to parts per billion (ppb)
4. Oakland SSTL = Site-Specific Target Levels (City of Oakland; January 2000); Oakland Tier 2 SSTLs)
5. RWQCB ESL = Environmental Screening Levels (San Francisco Bay Regional Water Quality Control Board, 2005)
6. ND = Not detected at or above the laboratory method reporting limit (MRL) as indicated in the parenthesis.
7. Analytical methods for VOCs were by U.S. EPA method 8260B. Analytical results reported by STL Analytical, Inc.

# FIGURES




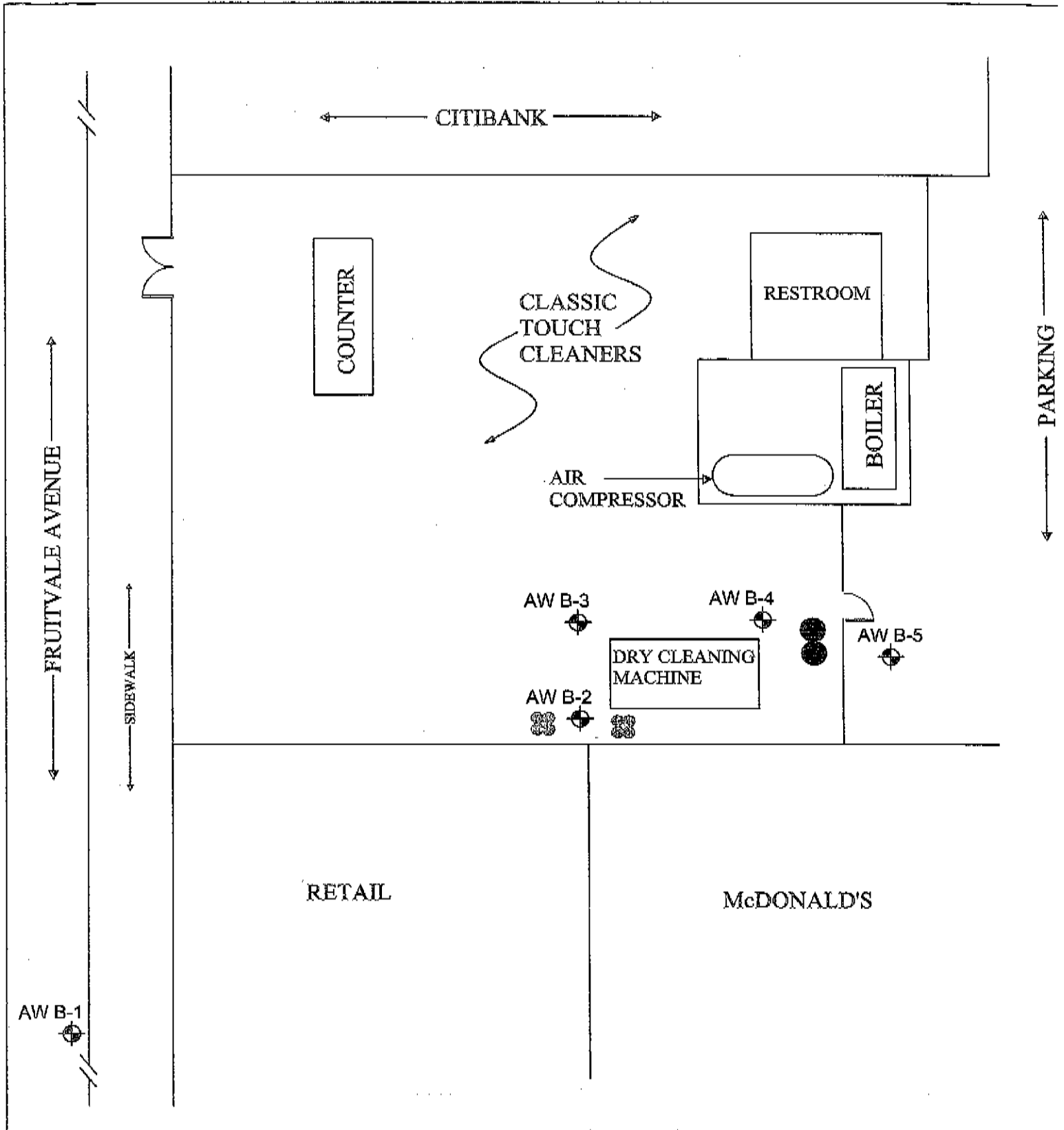
<b>LEGEND</b>  - SITE LOCATION	 NOT TO SCALE	 <b>AllWest</b>	<b>SITE LOCATION MAP</b>
			<b>FIGURE 1</b> 3518 - 3520 FRUITVALE AVENUE OAKLAND, CALIFORNIA
		<b>PROJECT NO.</b> 25152.23	<b>SOURCE: TOPO!</b> <b>PREPARED BY: DAWN ZAMORA (08/23/05)</b>




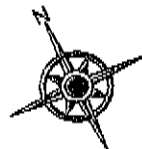



**LEGEND**

- AW B-1** ALLWEST BORING - 1
- DRY CLEANING LOCATION (AW B-2, 3, & 4)

	<b>Figure 2 Aerial Site Plan</b>	Scale: 1:900 Date: 2/27/04 Photo ID No. USGS (via Terraserver)	<b>N↑</b>
		Site Name: Dry Cleaners  3518 -3520 Fruitvale Avenue Oakland, California  Project Number: 25152.23	



<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li> - BORING LOCATION</li> <li> - PCE WASTE STORAGE</li> <li> - CONDENSATE STORAGE</li> </ul>	 NOT TO SCALE	 PROJECT NO. 25152.23	<p><b>SITE PLAN &amp; BORING LOCATIONS</b></p>
			<p>FIGURE 3</p> <p>3518 -3520 FRUITVALE AVENUE</p> <p>OAKLAND, CALIFORNIA</p> <p>SOURCE: ALLWEST</p> <p>PREPARED BY: DAWN ZAMORA (08/23/05)</p>

# Appendix A

**AllWest**

## STANDARD GEOPROBE SAMPLING PROCEDURES

### Soil Sampling

Soil core sampling is accomplished using a nominal 4-foot long, 3-inch diameter galvanized steel drive probe and extension rods. The drive probe is equipped with nominal 1-1/2 inch diameter clear plastic poly tubes that line the interior of the probe. The probe and insert tubes are together pneumatically driven using a percussion hammer in 4-foot intervals. After each drive interval the drive probe and rods are retrieved to the surface. The poly tube containing subsurface soil is then removed. The drive probe is then cleaned, equipped with a new poly tube and reinserted into the boring with extension rods as required. The apparatus is then driven following the above procedure until the desired depth is obtained. The poly tubes and soil are inspected after each drive interval with lithologic and relevant drilling observations recorded. Soil samples are screened for organic vapors using an organic vapor meter (OVM) or other appropriate device. OVM readings, soil staining and other relevant observations are recorded. Selected soil sample intervals can be cut from the 4-foot intervals for possible analytical or geotechnical testing or other purposes.

The soils contained in the sample liners are then classified according to the Uniform Soil Classification System and recorded on the soil boring logs.

Sample liners selected for laboratory analyses are sealed with Teflon sheets, plastic end caps, and silicon tape. The sealed sample liner is then labeled, sealed in a plastic bag, and placed in an ice chest cooled to 4°C with crushed ice for temporary field storage and transportation. The standard chain-of-custody protocol is maintained for all soil samples from the time of collection to arrival at the laboratory.

### Groundwater Sampling

Groundwater sampling is performed after the completion of soil sampling and when the boring has reached its desired depth. The steel probe and rods are then removed from the boring and new, nominal 1-1/2 inch diameter PVC solid and perforated temporary casing is lowered into the borehole. Depth to water is then measured using an electronic groundwater probe. Groundwater samples are collected using a stainless steel bailer or a disposable Teflon bailer.

After the retrieval of the bailer, groundwater contained in the bailer is decanted into laboratory provided containers. The containers are then sealed with Teflon coated caps with no headspace, labeled, and placed in an ice chest for field storage and transportation to a state certified analytical laboratory. The standard chain-of-custody protocols are followed from sample collection to delivery to the laboratory. A new bailer is used for each groundwater sampling location to avoid cross contamination.

## Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

**Application Approved on:** 08/03/2005 By **suel**  
**Permits Issued:** W2005-0768

**Receipt Number:** WR2005-2031  
**Permits Valid from:** 08/09/2005 to 08/09/2005

**Application Id:** 1122931386932  
**Site Location:** 2200-2226 MacArthur Blvd, 3510-3540 Fruitvale Ave, Oakland Classic Touch Cleaners  
**Project Start Date:** 08/09/2005  
**City of Project Site:** Oakland  
**Completion Date:** 08/09/2005

**Applicant:** ALL West Environmental - James Koniuto  
530 Howard St #300, San Francisco, CA 94105

**Phone:** 415-391-2510

**Property Owner:** Mr. Tom Stenstrom  
6210 Medan Pl, Oakland, CA 94611

**Phone:** 510-339-9061

**Client:** \*\* same as Property Owner \*\*

**Total Due:** \$200.00  
**Total Amount Paid:** \$200.00  
**Paid By:** CHECK **PAID IN FULL**

### Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 5 Boreholes  
Driller: Environmental Control Associates(ECA) - Lic #: 695970 - Method: DP

**Work Total: \$200.00**

#### Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2005-0768	08/03/2005	11/07/2005	5	2.00 in.	40.00 ft

#### Specific Work Permit Conditions

- Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.
- Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
- Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.
- Applicant shall contact Johnson Tang for an inspection time at 510-670-6450 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.



UNIFIED SOIL CLASSIFICATION SYSTEM

PRIMARY DIVISIONS		GROUP SYMBOL	SECONDARY DIVISIONS
C O A R S E  G R A I N E D  S O I L	GRAVELS  More than half of course fraction is larger than No. 4 sieve.	Clean gravels (less than 5% of fines)	GW Well graded gravel-sand mixtures, little or no fines.
			GP Poorly graded gravels or gravel-sand mixtures, little or no fines.
		Gravel with fines	GM Silty gravels or gravel-sand-silt mixtures, with non-plastic fines.
			GC Clayey gravels or gravel-sand-clay mixtures, with plastic fines.
	SANDS  More than half of course fraction is smaller than No. 4 sieve.	Clean sands (less than 5% of fines)	SW Well graded sands or gravelly sands, little or no fines.
			SP Poorly graded sands or gravelly sands, little or no fines.
		Sands with fines	SM Silty sands or sand-silt mixtures, with non-plastic fines.
			SC Clayey sands or sand-clay mixtures, with plastic fines.
F I N E  G R O I N E D  S O I L	SILTS AND CLAYS  Liquid Limit less than 50%	ML Inorganic silts and very fine sands, rock flour, or clayey silts, with slight plasticity.	
		CL Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.	
		OL Organic silts and organic silty clays of low plasticity.	
	SILTS AND CLAYS  Liquid Limit greater than 50%	MH Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.	
		CH Inorganic clays of high plasticity, fat clays.	
		OH Organic clays of medium to high plasticity, organic silts.	
HIGHLY ORGANIC SOILS		PT Peat and other highly organic soils.	

BORING LOG LEGEND

- Sampler Drive Interval
- Relatively Undisturbed Sample Recovered and Preserved
- Sampler Driven, No Sample Recovery
- Disturbed Sample Recovered and Preserved



Project Address: 2200-2220 MacArthur Blvd & 3510-3540 Fruitvale Avenue  
 OAKLAND, CA  
 Project Number: 25152.23  
 Drilling Date: 8/9/05

Drilling Contractor: ECA  
 Drill Rig: Direct Push Geoprobe  
 Location:

Sampler: 2" polytube  
 Logged By: J. KONIATO

Sample Time	OVM Reading	Sample Interval	Depth in Feet	Sample Number	USCS Code	Soil Description
			1			Black asphalt + gravel fill
		3'-4'	2	AWB-1-4	SC	Brown CLAYEY SAND, slightly plastic, dry
			3			
			4			
			5			
		7'-8'	6	AWB-1-8	CL	Dark brown SANDY CLAY, moderately plastic, slightly moist
			7			
			8			
			9			
		11'-12'	10	AWB-1-12	CL	Dark yellow SAND CLAY, lightly plastic, slightly moist
			11			
			12			
			13			
			14		SC	Light brown CLAYEY SAND, slightly plastic, some grain moist to wet
			15			
			16			
			17			
			18			Total depth explored 17'
			19			
			20			
			21			

Reviewed By: \_\_\_\_\_ Drawn By: J. K. M. T



Project Address: 2200-2226 MacArthur Blvd & 3510-3540 Fruitvale Avenue  
 OAKLAND, CA  
 Project Number: 25152.23  
 Drilling Date: 8/9/05

Drilling Contractor: ECA  
 Drill Rig: Direct Push Geoprobe  
 Location:

Sampler: 2" polytube  
 Logged By: J. Koniuto

Sample Time	OVM Reading	Sample Interval	Depth in Feet	Sample Number	USCS Code	Soil Description
			-			Concrete and gravel fill.
			1		SM	Black loamy SAND with GRAVEL little to no fines, dry
			2			
			3			
		3'-4'	4	AWB-2-4		
			5		SC	light brown CLAYEY SAND w/ rusty mottling, slightly plastic, slightly moist.
			6			
			7			
		7'-8'	8	AWB-2-8		
			9		CL	Brown SANDY CLAY, low plasticity, slightly moist.
			10			
			11			
		11'-12'	12	AWB-2-12		Total Depth Explored 12'
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			

Reviewed By: \_\_\_\_\_  
 Drawn By: J. K. M. T



Project Address: 2200-2220 MacARTHUR BLVD & 3510-3540 FRUITVAH AVENUE  
 OAKLAND, CA  
 Project Number: 25152.23  
 Drilling Date: 8/9/05

Drilling Contractor: ECA  
 Drill Rig: Direct Push Geoprobe  
 Location:

Sampler: 2" polytube  
 Logged By: J. Koniuto

Sample Time	OVM Reading	Sample Interval	Depth in Feet	Sample Number	USCS Code	Soil Description
			1			Concrete and gravel fill
		3'-4'	2	AWB-3-4	SM	Black SILTY SAND with small gravel; little fine fines; dry
			3			
			4			
		7'-8'	5	AWB-3-8	SC	Dark brown CLAYEY SAND, sticky mottling, slightly moist.
			6			
			7			
			8			
		11'-12'	9	AWB-3-12	CL	Brown SANDY CLAY, low plasticity, slightly mo
			10			
			11			
			12			
			13			Total Depth Explored 12'
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			

Reviewed By: [Signature]  
 Drawn By: J. K. M. T



Project Address: 2200-2226 MacArthur Blvd & 3510-3540 Fruitvale Avenue  
 OAKLAND, CA  
 Project Number: 25152.23  
 Drilling Date: 8/9/05

Drilling Contractor: ECA  
 Drill Rig: Direct Push Geoprobe  
 Location:

Sampler: 2" polytube  
 Logged By: J. KONIATO

Sample Time	OVM Reading	Sample Interval	Depth in Feet	Sample Number	USCS Code	Soil Description
			1			Concrete and gravel fill
		3'-4'	2	AMB-4-4	SM	Black SAND little to no fines, moist
			3			
			4			
		7'-8'	5	AMB-4-8	SP	Dark brown SAND - small gravel, little to no fines, dry.
			6			
			7			
		11'-12'	8		SC	Light brown SANDY CLAY - moderately plastic, must mottling, moist.
			9			
			10			
			11			
			12			Total Depth Explored 12'
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			

Reviewed By: \_\_\_\_\_ Drawn By: J. K. M. T



Project Address: 2200-2226 MacArthur Blvd & 3510-3540 Fruitvale Avenue  
 OAKLAND, CA  
 Project Number: 25152.23  
 Drilling Date: 8/9/05

Drilling Contractor: ECA  
 Drill Rig: Direct Push Geoprobe  
 Location:

Sampler: 2" polytube  
 Logged By: J. Koniato

Sample Time	OVM Reading	Sample Interval	Depth in Feet	Sample Number	USCS Code	Soil Description
			1			Asphalt + gravel fill
			2		SM	Black SAND, little to no fines moist
			3			
			4	AMB-S-4		
			5		SP	Dark brown SAND with gravel, rusty mottling, soft and very moist.
			6			
			7	AMB-S-8		
			8			
			9		SC	Brown CLAYEY SAND small gravel and claye mass. Wet.
			10			
			11	AMB-S-11		Total Depth Explored 11'
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			

Reviewed By: \_\_\_\_\_  
 Drawn By: J. K. M. T

# Appendix B



Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
San Francisco, CA 94105  
Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
Diamond Sub

Received: 08/09/2005 12:30

## Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
AWB-1W	08/09/2005	Water	5
AWB-5W	08/09/2005	Water	9

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s):	5030B	Test(s):	8260B
Sample ID:	AWB-1W	Lab ID:	2005-08-0260 - 5
Sampled:	08/09/2005	Extracted:	8/18/2005 16:32
Matrix:	Water	QC Batch#:	2005/08/18-1A.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	08/18/2005 16:32	
Vinyl chloride	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Chloroethane	ND	1.0	ug/L	1.00	08/18/2005 16:32	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/18/2005 16:32	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Methylene chloride	ND	5.0	ug/L	1.00	08/18/2005 16:32	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Chloroform	ND	0.50	ug/L	1.00	08/18/2005 16:32	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/18/2005 16:32	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Trichloroethene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/18/2005 16:32	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Chlorobenzene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Bromoform	ND	2.0	ug/L	1.00	08/18/2005 16:32	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/18/2005 16:32	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/18/2005 16:32	
Chloromethane	ND	1.0	ug/L	1.00	08/18/2005 16:32	
Bromomethane	ND	1.0	ug/L	1.00	08/18/2005 16:32	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s): 5030B	Test(s): 8260B
Sample ID: AWB-1W	Lab ID: 2005-08-0260 - 5
Sampled: 08/09/2005	Extracted: 8/18/2005 16:32
Matrix: Water	QC Batch#: 2005/08/18-1A.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<i>Surrogate(s)</i>						
4-Bromofluorobenzene	98.3	79-118	%	1.00	08/18/2005 16:32	
1,2-Dichloroethane-d4	111.0	78-117	%	1.00	08/18/2005 16:32	
Toluene-d8	100.9	77-121	%	1.00	08/18/2005 16:32	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s): 5030B Test(s): 8260B  
 Sample ID: AWB-5W Lab ID: 2005-08-0260 - 9  
 Sampled: 08/09/2005 Extracted: 8/18/2005 14:08  
 Matrix: Water QC Batch#: 2005/08/18-1A.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	08/18/2005 14:08	
Vinyl chloride	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Chloroethane	ND	1.0	ug/L	1.00	08/18/2005 14:08	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/18/2005 14:08	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Methylene chloride	ND	5.0	ug/L	1.00	08/18/2005 14:08	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/18/2005 14:08	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/18/2005 14:08	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Chloroform	ND	0.50	ug/L	1.00	08/18/2005 14:08	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/18/2005 14:08	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Trichloroethene	ND	0.50	ug/L	1.00	08/18/2005 14:08	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/18/2005 14:08	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/18/2005 14:08	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/18/2005 14:08	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Tetrachloroethene	2.6	0.50	ug/L	1.00	08/18/2005 14:08	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Chlorobenzene	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Bromoform	ND	2.0	ug/L	1.00	08/18/2005 14:08	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/18/2005 14:08	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/18/2005 14:08	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/18/2005 14:08	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/18/2005 14:08	
Chloromethane	ND	1.0	ug/L	1.00	08/18/2005 14:08	
Bromomethane	ND	1.0	ug/L	1.00	08/18/2005 14:08	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94586

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s):	5030B	Test(s):	8260B
Sample ID:	AWB-5W	Lab ID:	2005-08-0260 - 9
Sampled:	08/09/2005	Extracted:	8/18/2005 14:08
Matrix:	Water	QC Batch#:	2005/08/18-1A.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<i>Surrogate(s)</i>						
4-Bromofluorobenzene	94.4	79-118	%	1.00	08/18/2005 14:08	
1,2-Dichloroethane-d4	93.3	78-117	%	1.00	08/18/2005 14:08	
Toluene-d8	96.2	77-121	%	1.00	08/18/2005 14:08	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

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 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/08/18-1A.60-001

Water

Test(s): 8260B  
 QC Batch # 2005/08/18-1A.60

Date Extracted: 08/18/2005 13:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Bromodichloromethane	ND	0.5	ug/L	08/18/2005 13:01	
Bromoform	ND	2.0	ug/L	08/18/2005 13:01	
Bromomethane	ND	1.0	ug/L	08/18/2005 13:01	
Carbon tetrachloride	ND	0.5	ug/L	08/18/2005 13:01	
Chlorobenzene	ND	0.5	ug/L	08/18/2005 13:01	
Chloroethane	ND	1.0	ug/L	08/18/2005 13:01	
Chloroform	ND	0.5	ug/L	08/18/2005 13:01	
Chloromethane	ND	1.0	ug/L	08/18/2005 13:01	
Dibromochloromethane	ND	0.5	ug/L	08/18/2005 13:01	
1,2-Dichlorobenzene	ND	0.5	ug/L	08/18/2005 13:01	
1,3-Dichlorobenzene	ND	0.5	ug/L	08/18/2005 13:01	
1,4-Dichlorobenzene	ND	0.5	ug/L	08/18/2005 13:01	
Dichlorodifluoromethane	ND	1.0	ug/L	08/18/2005 13:01	
1,1-Dichloroethane	ND	0.5	ug/L	08/18/2005 13:01	
1,2-Dichloroethane	ND	0.5	ug/L	08/18/2005 13:01	
1,1-Dichloroethene	ND	0.5	ug/L	08/18/2005 13:01	
cis-1,2-Dichloroethene	ND	0.5	ug/L	08/18/2005 13:01	
trans-1,2-Dichloroethene	ND	0.5	ug/L	08/18/2005 13:01	
1,2-Dichloropropane	ND	0.5	ug/L	08/18/2005 13:01	
cis-1,3-Dichloropropene	ND	0.5	ug/L	08/18/2005 13:01	
trans-1,3-Dichloropropene	ND	0.5	ug/L	08/18/2005 13:01	
Methylene chloride	ND	5.0	ug/L	08/18/2005 13:01	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	08/18/2005 13:01	
Tetrachloroethene	ND	0.5	ug/L	08/18/2005 13:01	
1,1,1-Trichloroethane	ND	0.5	ug/L	08/18/2005 13:01	
1,1,2-Trichloroethane	ND	0.5	ug/L	08/18/2005 13:01	
Trichloroethene	ND	0.5	ug/L	08/18/2005 13:01	
Trichlorofluoromethane	ND	1.0	ug/L	08/18/2005 13:01	
Trichlorotrifluoroethane	ND	0.5	ug/L	08/18/2005 13:01	
Vinyl chloride	ND	0.5	ug/L	08/18/2005 13:01	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

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Project: 25152.23  
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Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B  
 Method Blank

Water

Test(s): 8260B

QC Batch # 2005/08/18-1A.60

MB: 2005/08/18-1A.60-001

Date Extracted: 08/18/2005-13:01

Compound	Conc.	RL	Unit	Analyzed	Flag
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	101.7	79-118	%	08/18/2005 13:01	
1,2-Dichloroethane-d4	89.6	78-117	%	08/18/2005 13:01	
Toluene-d8	100.7	77-121	%	08/18/2005 13:01	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

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Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/08/18-1A.60

LCS 2005/08/18-1A.60-027

Extracted: 08/18/2005

Analyzed: 08/18/2005 12:27

LCSD

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chlorobenzene	19.9		20	99.5			61-121	20		
1,1-Dichloroethene	17.9		20	89.5			65-125	20		
Trichloroethene	16.7		20	83.5			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	504		500	100.8			79-118			
1,2-Dichloroethane-d4	443		500	88.6			78-117			
Toluene-d8	508		500	101.6			77-121			

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

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 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B Test(s): 8260B

**Matrix Spike ( MS / MSD )** **Water** **QC Batch # 2005/08/18-1A.60**

MS/MSD Lab ID: 2005-08-0300 - 006

MS: 2005/08/18-1A.60-014 Extracted: 08/18/2005 Analyzed: 08/18/2005 15:14

Dilution: 5.00

MSD: 2005/08/18-1A.60-048 Extracted: 08/18/2005 Analyzed: 08/18/2005 15:48

Dilution: 5.00

Compound	Conc. ug/L			Spk. Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Chlorobenzene	102	102	ND	100	102.0	102.0	0.0	81-121	20		
1,1-Dichloroethene	89.0	90.7	ND	100	89.0	90.7	1.9	85-125	20		
Trichloroethene	254	246	153	100	101.0	93.0	8.2	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	512	507		500	102.4	101.4		79-118			
1,2-Dichloroethane-d4	449	428		500	89.8	85.8		78-117			
Toluene-d8	507	483		500	101.4	96.6		77-121			

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

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Project: 25152.23  
Diamond Sub

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## Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
AWB-1-4	08/09/2005	Soil	1
AWB-3-4	08/09/2005	Soil	10
AWB-5-4	08/09/2005	Soil	15

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

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Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s): 5030B/5035 Test(s): 8260B  
 Sample ID: AWB-1-4 Lab ID: 2005-08-0260 - 1  
 Sampled: 08/09/2005 Extracted: 8/11/2005 13:03  
 Matrix: Soil QC Batch#: 2005/08/11-1A.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/11/2005 13:03	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Chloroethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Methylene chloride	ND	10	ug/Kg	1.00	08/11/2005 13:03	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Chloroform	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Bromoform	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Chloromethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	
Bromomethane	ND	5.0	ug/Kg	1.00	08/11/2005 13:03	

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Submission: 2005-08-0260

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
San Francisco, CA 94105  
Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
Diamond Sub

Received: 08/09/2005 12:30

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	AWB-1-4	Lab ID:	2005-08-0260 - 1
Sampled:	08/09/2005	Extracted:	8/11/2005 13:03
Matrix:	Soil	QC Batch#:	2005/08/11-1A.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	94.7	60-130	%	1.00	08/11/2005 13:03	
1,2-Dichloroethane-d4	97.9	60-140	%	1.00	08/11/2005 13:03	
Toluene-d8	80.1	70-130	%	1.00	08/11/2005 13:03	

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Submission: 2005-08-0260

### Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

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 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s): 5030B/5035 Test(s): 8260B  
 Sample ID: AWB-3-4 Lab ID: 2005-08-0260 - 10  
 Sampled: 08/09/2005 Extracted: 8/12/2005 11:19  
 Matrix: Soil QC Batch#: 2005/08/12-1A.70  
 Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	43	ug/Kg	4.30	08/12/2005 11:19	
Vinyl chloride	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Chloroethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Trichlorofluoromethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
1,1-Dichloroethene	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Methylene chloride	ND	43	ug/Kg	4.30	08/12/2005 11:19	
trans-1,2-Dichloroethene	ND	22	ug/Kg	4.30	08/12/2005 11:19	
cis-1,2-Dichloroethene	ND	22	ug/Kg	4.30	08/12/2005 11:19	
1,1-Dichloroethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Chloroform	ND	22	ug/Kg	4.30	08/12/2005 11:19	
1,1,1-Trichloroethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Carbon tetrachloride	ND	22	ug/Kg	4.30	08/12/2005 11:19	
1,2-Dichloroethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Trichloroethene	ND	22	ug/Kg	4.30	08/12/2005 11:19	
1,2-Dichloropropane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Bromodichloromethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
trans-1,3-Dichloropropene	ND	22	ug/Kg	4.30	08/12/2005 11:19	
cis-1,3-Dichloropropene	ND	22	ug/Kg	4.30	08/12/2005 11:19	
1,1,2-Trichloroethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Tetrachloroethene	520	22	ug/Kg	4.30	08/12/2005 11:19	
Dibromochloromethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Chlorobenzene	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Bromoform	ND	22	ug/Kg	4.30	08/12/2005 11:19	
1,1,2,2-Tetrachloroethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
1,3-Dichlorobenzene	ND	22	ug/Kg	4.30	08/12/2005 11:19	
1,4-Dichlorobenzene	ND	22	ug/Kg	4.30	08/12/2005 11:19	
1,2-Dichlorobenzene	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Trichlorotrifluoroethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
Chloromethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	

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Submission: 2005-08-0260

### Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

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Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s): 5030B/5035	Test(s): 8260B
Sample ID: <b>AWB-3-4</b>	Lab ID: 2005-08-0260 - 10
Sampled: 08/09/2005	Extracted: 8/12/2005 11:19
Matrix: Soil	QC Batch#: 2005/08/12-1A.70
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Bromomethane	ND	22	ug/Kg	4.30	08/12/2005 11:19	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	89.8	60-130	%	4.30	08/12/2005 11:19	
1,2-Dichloroethane-d4	95.5	60-140	%	4.30	08/12/2005 11:19	
Toluene-d8	82.8	70-130	%	4.30	08/12/2005 11:19	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

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 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s): 5030B/5035 Test(s): 8260B  
 Sample ID: AWB-5-4 Lab ID: 2005-08-0260 - 15  
 Sampled: 08/09/2005 Extracted: 8/12/2005 10:45  
 Matrix: Soil QC Batch#: 2005/08/12-1A.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/12/2005 10:45	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Chloroethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Methylene chloride	ND	10	ug/Kg	1.00	08/12/2005 10:45	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Chloroform	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Tetrachloroethene	8.9	5.0	ug/Kg	1.00	08/12/2005 10:45	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Bromoform	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Chloromethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	
Bromomethane	ND	5.0	ug/Kg	1.00	08/12/2005 10:45	

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Submission: 2005-08-0260

### Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	AWB-5-4	Lab ID:	2005-08-0260 - 15
Sampled:	08/09/2005	Extracted:	8/12/2005 10:45
Matrix:	Soil	QC Batch#:	2005/08/12-1A.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<i>Surrogate(s)</i>						
4-Bromofluorobenzene	94.4	60-130	%	1.00	08/12/2005 10:45	
1,2-Dichloroethane-d4	105.5	60-140	%	1.00	08/12/2005 10:45	
Toluene-d8	83.1	70-130	%	1.00	08/12/2005 10:45	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

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 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B/5035

Method Blank

MB: 2005/08/11-1A.70-017

Soil

Test(s): 8260B

QC Batch # 2005/08/11-1A.70

Date Extracted: 08/11/2005 10:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Bromodichloromethane	ND	5.0	ug/Kg	08/11/2005 10:17	
Bromoform	ND	5.0	ug/Kg	08/11/2005 10:17	
Bromomethane	ND	5.0	ug/Kg	08/11/2005 10:17	
Carbon tetrachloride	ND	5.0	ug/Kg	08/11/2005 10:17	
Chlorobenzene	ND	5.0	ug/Kg	08/11/2005 10:17	
Chloroethane	ND	5.0	ug/Kg	08/11/2005 10:17	
Chloroform	ND	5.0	ug/Kg	08/11/2005 10:17	
Chloromethane	ND	5.0	ug/Kg	08/11/2005 10:17	
Dibromochloromethane	ND	5.0	ug/Kg	08/11/2005 10:17	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	08/11/2005 10:17	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	08/11/2005 10:17	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	08/11/2005 10:17	
Dichlorodifluoromethane	ND	10.0	ug/Kg	08/11/2005 10:17	
1,1-Dichloroethane	ND	5.0	ug/Kg	08/11/2005 10:17	
1,2-Dichloroethane	ND	5.0	ug/Kg	08/11/2005 10:17	
1,1-Dichloroethene	ND	5.0	ug/Kg	08/11/2005 10:17	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	08/11/2005 10:17	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	08/11/2005 10:17	
1,2-Dichloropropane	ND	5.0	ug/Kg	08/11/2005 10:17	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	08/11/2005 10:17	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	08/11/2005 10:17	
Methylene chloride	ND	10.0	ug/Kg	08/11/2005 10:17	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	08/11/2005 10:17	
Tetrachloroethene	ND	5.0	ug/Kg	08/11/2005 10:17	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	08/11/2005 10:17	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	08/11/2005 10:17	
Trichloroethene	ND	5.0	ug/Kg	08/11/2005 10:17	
Trichlorofluoromethane	ND	5.0	ug/Kg	08/11/2005 10:17	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	08/11/2005 10:17	
Vinyl chloride	ND	5.0	ug/Kg	08/11/2005 10:17	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

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Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B/5035

Method Blank

MB: 2005/08/11-1A.70-017

Soil

Test(s): 8260B

QC Batch # 2005/08/11-1A.70

Date Extracted: 08/11/2005 10:17

Compound	Conc.	RL	Unit	Analyzed	Flag
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	88.7	60-130	%	08/11/2005 10:17	
1,2-Dichloroethane-d4	96.8	60-140	%	08/11/2005 10:17	
Toluene-d8	85.2	70-130	%	08/11/2005 10:17	

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Submission: 2005-08-0260

### Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Konluto

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 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

#### Batch QC Report

Prep(s): 5030B/5035

Test(s): 8260B

Method Blank

Soil

QC Batch # 2005/08/12-1A.70

MB: 2005/08/12-1A.70-012

Date Extracted: 08/12/2005 10:12

Compound	Conc.	RL	Unit	Analyzed	Flag
Bromodichloromethane	ND	5.0	ug/Kg	08/12/2005 10:12	
Bromoform	ND	5.0	ug/Kg	08/12/2005 10:12	
Bromomethane	ND	5.0	ug/Kg	08/12/2005 10:12	
Carbon tetrachloride	ND	5.0	ug/Kg	08/12/2005 10:12	
Chlorobenzene	ND	5.0	ug/Kg	08/12/2005 10:12	
Chloroethane	ND	5.0	ug/Kg	08/12/2005 10:12	
Chloroform	ND	5.0	ug/Kg	08/12/2005 10:12	
Chloromethane	ND	5.0	ug/Kg	08/12/2005 10:12	
Dibromochloromethane	ND	5.0	ug/Kg	08/12/2005 10:12	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	08/12/2005 10:12	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	08/12/2005 10:12	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	08/12/2005 10:12	
Dichlorodifluoromethane	ND	10.0	ug/Kg	08/12/2005 10:12	
1,1-Dichloroethane	ND	5.0	ug/Kg	08/12/2005 10:12	
1,2-Dichloroethane	ND	5.0	ug/Kg	08/12/2005 10:12	
1,1-Dichloroethene	ND	5.0	ug/Kg	08/12/2005 10:12	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	08/12/2005 10:12	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	08/12/2005 10:12	
1,2-Dichloropropane	ND	5.0	ug/Kg	08/12/2005 10:12	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	08/12/2005 10:12	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	08/12/2005 10:12	
Methylene chloride	ND	10.0	ug/Kg	08/12/2005 10:12	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	08/12/2005 10:12	
Tetrachloroethene	ND	5.0	ug/Kg	08/12/2005 10:12	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	08/12/2005 10:12	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	08/12/2005 10:12	
Trichloroethene	ND	5.0	ug/Kg	08/12/2005 10:12	
Trichlorofluoromethane	ND	5.0	ug/Kg	08/12/2005 10:12	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	08/12/2005 10:12	
Vinyl chloride	ND	5.0	ug/Kg	08/12/2005 10:12	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

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Project: 25152.23  
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Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B/5035

Method Blank

MB: 2005/08/12-1A.70-012

Soil

Test(s): 8260B

QC Batch # 2005/08/12-1A.70

Date Extracted: 08/12/2005 10:12

Compound	Conc.	RL	Unit	Analyzed	Flag
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	88.6	60-130	%	08/12/2005 10:12	
1,2-Dichloroethane-d4	98.9	60-140	%	08/12/2005 10:12	
Toluene-d8	84.7	70-130	%	08/12/2005 10:12	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

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Project: 25152.23  
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Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B/5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/08/11-1A.70

LCS 2005/08/11-1A.70-043

Extracted: 08/11/2005

Analyzed: 08/11/2005 09:43

LCSD

Compound	Conc. ug/Kg		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chlorobenzene	92.8		100	92.8			61-121	20		
1,1-Dichloroethene	104		100	104.0			65-125	20		
Trichloroethene	105		100	105.0			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	427		500	85.4			60-130			
1,2-Dichloroethane-d4	512		500	102.4			60-140			
Toluene-d8	414		500	82.8			70-130			

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Submission: 2005-08-0260

### Halogenated Volatile Organic Compounds by 8021B/8260B

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Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

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#### Batch QC Report

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Prep(s): 5030B/5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/08/12-1A.70

LCS 2005/08/12-1A.70-039

Extracted: 08/12/2005

Analyzed: 08/12/2005 09:39

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chlorobenzene	87.8		100	87.8			61-121	20		
1,1-Dichloroethene	96.7		100	96.7			65-125	20		
Trichloroethene	98.5		100	98.5			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	436		500	87.2			60-130			
1,2-Dichloroethane-d4	493		500	98.6			60-140			
Toluene-d8	421		500	84.2			70-130			

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

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 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

### Batch QC Report

Prep(s): 5030B/5035

Test(s): 8260B

Matrix Spike ( MS / MSD )

Soil

QC Batch # 2005/08/11-1A.70

AWB-1-4 &gt;&gt; MS

Lab ID: 2005-08-0260 - 001

MS: 2005/08/11-1A.70-036

Extracted: 08/11/2005

Analyzed: 08/11/2005 13:36

Dilution: 1.00

MSD: 2005/08/11-1A.70-010

Extracted: 08/11/2005

Analyzed: 08/11/2005 14:10

Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level ug/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Chlorobenzene	91.6	90.5	ND	97.8474	93.7	93.4	0.3	61-121	20		
1,1-Dichloroethene	106	105	ND	97.8474	108.4	108.4	0.0	65-125	20		
Trichloroethene	101	96.4	ND	97.8474	103.3	99.5	3.7	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	468	475		500	93.6	95.0		60-130			
1,2-Dichloroethane-d4	494	506		500	98.7	101.2		60-140			
Toluene-d8	418	418		500	83.2	83.5		70-130			

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

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 San Francisco, CA 94105  
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Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B/5035

Test(s): 8260B

Matrix Spike ( MS / MSD )

Soil

QC Batch # 2005/08/12-1A.70

MS/MSD

Lab ID: 2005-08-0262 - 004

MS: 2005/08/12-1A.70-025

Extracted: 08/12/2005

Analyzed: 08/12/2005 12:25

Dilution: 1.00

MSD: 2005/08/12-1A.70-059

Extracted: 08/12/2005

Analyzed: 08/12/2005 12:59

Dilution: 1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Chlorobenzene	88.8	91.3	ND	95.2381	91.2	93.4	2.4	61-121	20		
1,1-Dichloroethene	99.2	103	ND	95.2381	104.2	105.5	1.2	65-125	20		
Trichloroethene	93.5	98.3	ND	95.2381	98.2	100.8	2.4	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	448	448		500	89.3	89.2		60-130			
1,2-Dichloroethane-d4	496	479		500	99.1	95.9		60-140			
Toluene-d8	413	421		500	82.6	84.1		70-130			

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn: James Konluto

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Project: 25152.23  
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---

**Legend and Notes**

---

**Analysis Flag**

L2

Reporting limits were raised due to high level of analyte present  
in the sample.

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Submission: 2005-08-0260

**Volatile Organic Compounds by 8260B (High Level)**

Allwest Environmental

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San Francisco, CA 94105  
Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
Diamond Sub

Received: 08/09/2005 12:30

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
AWB-2-4	08/09/2005	Soil	6
AWB-4-4	08/09/2005	Soil	13

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Submission: 2005-08-0260

## Volatile Organic Compounds by 8260B (High Level)

Allwest Environmental

Attn.: James Koniuto

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 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
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Received: 08/09/2005 12:30

Prep(s): 5035 Test(s): 8260B  
 Sample ID: AWB-2-4 Lab ID: 2005-08-0260 - 6  
 Sampled: 08/09/2005 Extracted: 8/12/2005 20:31  
 Matrix: Soil QC Batch#: 2005/08/12-02.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Bromodichloromethane	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Bromoform	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Bromomethane	ND	500	ug/Kg	1.00	08/12/2005 20:31	
Carbon tetrachloride	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Chlorobenzene	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Chloroethane	ND	500	ug/Kg	1.00	08/12/2005 20:31	
Chloroform	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Chloromethane	ND	500	ug/Kg	1.00	08/12/2005 20:31	
Dibromochloromethane	ND	250	ug/Kg	1.00	08/12/2005 20:31	
1,2-Dichlorobenzene	ND	250	ug/Kg	1.00	08/12/2005 20:31	
1,3-Dichlorobenzene	ND	250	ug/Kg	1.00	08/12/2005 20:31	
1,4-Dichlorobenzene	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Dichlorodifluoromethane	ND	250	ug/Kg	1.00	08/12/2005 20:31	
1,1-Dichloroethane	ND	250	ug/Kg	1.00	08/12/2005 20:31	
1,2-Dichloroethane	ND	250	ug/Kg	1.00	08/12/2005 20:31	
1,1-Dichloroethene	ND	250	ug/Kg	1.00	08/12/2005 20:31	
cis-1,2-Dichloroethene	ND	250	ug/Kg	1.00	08/12/2005 20:31	
trans-1,2-Dichloroethene	ND	250	ug/Kg	1.00	08/12/2005 20:31	
1,2-Dichloropropane	ND	250	ug/Kg	1.00	08/12/2005 20:31	
cis-1,3-Dichloropropene	ND	250	ug/Kg	1.00	08/12/2005 20:31	
trans-1,3-Dichloropropene	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Methylene chloride	ND	2500	ug/Kg	1.00	08/12/2005 20:31	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Tetrachloroethene	2000	250	ug/Kg	1.00	08/12/2005 20:31	
1,1,1-Trichloroethane	ND	250	ug/Kg	1.00	08/12/2005 20:31	
1,1,2-Trichloroethane	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Trichloroethene	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Vinyl chloride	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Trichlorotrifluoroethane	ND	250	ug/Kg	1.00	08/12/2005 20:31	
Trichlorofluoromethane	ND	1000	ug/Kg	1.00	08/12/2005 20:31	

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Submission: 2005-08-0260

## Volatile Organic Compounds by 8260B (High Level)

Allwest Environmental

Attn.: James Koniuto

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 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s): 5035	Test(s): 8260B
Sample ID: AWB-2-4	Lab ID: 2005-08-0260 - 6
Sampled: 08/09/2005	Extracted: 8/12/2005 20:31
Matrix: Soil	QC Batch#: 2005/08/12-02.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	96.6	79-118	%	1.00	08/12/2005 20:31	
1,2-Dichloroethane-d4	99.4	78-117	%	1.00	08/12/2005 20:31	
Toluene-d8	102.0	77-121	%	1.00	08/12/2005 20:31	

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08/23/2005 16:35

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Submission: 2005-08-0260

## Volatile Organic Compounds by 8260B (High Level)

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s):	5035	Test(s):	8260B
Sample ID:	AWB-4-4	Lab ID:	2005-08-0260 - 13
Sampled:	08/09/2005	Extracted:	8/12/2005 21:04
Matrix:	Soil	QC Batch#:	2005/08/12-02.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Bromodichloromethane	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Bromoform	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Bromomethane	ND	500	ug/Kg	1.00	08/12/2005 21:04	
Carbon tetrachloride	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Chlorobenzene	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Chloroethane	ND	500	ug/Kg	1.00	08/12/2005 21:04	
Chloroform	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Chloromethane	ND	500	ug/Kg	1.00	08/12/2005 21:04	
Dibromochloromethane	ND	250	ug/Kg	1.00	08/12/2005 21:04	
1,2-Dichlorobenzene	ND	250	ug/Kg	1.00	08/12/2005 21:04	
1,3-Dichlorobenzene	ND	250	ug/Kg	1.00	08/12/2005 21:04	
1,4-Dichlorobenzene	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Dichlorodifluoromethane	ND	250	ug/Kg	1.00	08/12/2005 21:04	
1,1-Dichloroethane	ND	250	ug/Kg	1.00	08/12/2005 21:04	
1,2-Dichloroethane	ND	250	ug/Kg	1.00	08/12/2005 21:04	
1,1-Dichloroethene	ND	250	ug/Kg	1.00	08/12/2005 21:04	
cis-1,2-Dichloroethene	ND	250	ug/Kg	1.00	08/12/2005 21:04	
trans-1,2-Dichloroethene	ND	250	ug/Kg	1.00	08/12/2005 21:04	
1,2-Dichloropropane	ND	250	ug/Kg	1.00	08/12/2005 21:04	
cis-1,3-Dichloropropene	ND	250	ug/Kg	1.00	08/12/2005 21:04	
trans-1,3-Dichloropropene	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Methylene chloride	ND	2500	ug/Kg	1.00	08/12/2005 21:04	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Tetrachloroethene	1100	250	ug/Kg	1.00	08/12/2005 21:04	
1,1,1-Trichloroethane	ND	250	ug/Kg	1.00	08/12/2005 21:04	
1,1,2-Trichloroethane	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Trichloroethene	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Vinyl chloride	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Trichlorotrifluoroethane	ND	250	ug/Kg	1.00	08/12/2005 21:04	
Trichlorofluoromethane	ND	1000	ug/Kg	1.00	08/12/2005 21:04	

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Submission: 2005-08-0260

### Volatile Organic Compounds by 8260B (High Level)

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s): 5035	Test(s): 8260B
Sample ID: AWB-4-4	Lab ID: 2005-08-0260 - 13
Sampled: 08/09/2005	Extracted: 8/12/2005 21:04
Matrix: Soil	QC Batch#: 2005/08/12-02.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	99.4	79-118	%	1.00	08/12/2005 21:04	
1,2-Dichloroethane-d4	92.7	78-117	%	1.00	08/12/2005 21:04	
Toluene-d8	106.0	77-121	%	1.00	08/12/2005 21:04	

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Submission: 2005-08-0260

## Volatile Organic Compounds by 8260B (High Level)

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5035

Method Blank

MB: 2005/08/12-02.60-042

Soil

Test(s): 8260B

QC Batch # 2005/08/12-02.60

Date Extracted: 08/12/2005 13:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Bromodichloromethane	ND	250	ug/Kg	08/12/2005 13:42	
Bromoform	ND	250	ug/Kg	08/12/2005 13:42	
Bromomethane	ND	500	ug/Kg	08/12/2005 13:42	
Carbon tetrachloride	ND	250	ug/Kg	08/12/2005 13:42	
Chlorobenzene	ND	250	ug/Kg	08/12/2005 13:42	
Chloroethane	ND	500	ug/Kg	08/12/2005 13:42	
Chloroform	ND	250	ug/Kg	08/12/2005 13:42	
Chloromethane	ND	500	ug/Kg	08/12/2005 13:42	
Dibromochloromethane	ND	250	ug/Kg	08/12/2005 13:42	
1,2-Dichlorobenzene	ND	250	ug/Kg	08/12/2005 13:42	
1,3-Dichlorobenzene	ND	250	ug/Kg	08/12/2005 13:42	
1,4-Dichlorobenzene	ND	250	ug/Kg	08/12/2005 13:42	
Dichlorodifluoromethane	ND	250	ug/Kg	08/12/2005 13:42	
1,1-Dichloroethane	ND	250	ug/Kg	08/12/2005 13:42	
1,2-Dichloroethane	ND	250	ug/Kg	08/12/2005 13:42	
1,1-Dichloroethene	ND	250	ug/Kg	08/12/2005 13:42	
cis-1,2-Dichloroethene	ND	250	ug/Kg	08/12/2005 13:42	
trans-1,2-Dichloroethene	ND	250	ug/Kg	08/12/2005 13:42	
1,2-Dichloropropane	ND	250	ug/Kg	08/12/2005 13:42	
cis-1,3-Dichloropropene	ND	250	ug/Kg	08/12/2005 13:42	
trans-1,3-Dichloropropene	ND	250	ug/Kg	08/12/2005 13:42	
Methylene chloride	ND	2500	ug/Kg	08/12/2005 13:42	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	08/12/2005 13:42	
Tetrachloroethene	ND	250	ug/Kg	08/12/2005 13:42	
1,1,1-Trichloroethane	ND	250	ug/Kg	08/12/2005 13:42	
1,1,2-Trichloroethane	ND	250	ug/Kg	08/12/2005 13:42	
Trichloroethene	ND	250	ug/Kg	08/12/2005 13:42	
Vinyl chloride	ND	250	ug/Kg	08/12/2005 13:42	
Trichlorotrifluoroethane	ND	250	ug/Kg	08/12/2005 13:42	
Trichlorofluoromethane	ND	1000	ug/Kg	08/12/2005 13:42	

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Submission: 2005-08-0260

### Volatile Organic Compounds by 8260B (High Level)

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300.  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

#### Batch QC Report

Prep(s): 5035

Method Blank

MB: 2005/08/12-02.60-042

Soil

Test(s): 8260B

QC Batch # 2005/08/12-02.60

Date Extracted: 08/12/2005 13:42

Compound	Conc.	RL	Unit	Analyzed	Flag
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	102.6	79-118	%	08/12/2005 13:42	
1,2-Dichloroethane-d4	97.8	78-117	%	08/12/2005 13:42	
Toluene-d8	104.9	77-124	%	08/12/2005 13:42	

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Submission: 2005-08-0260

### Volatile Organic Compounds by 8260B (High Level)

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

#### Batch QC Report

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/08/12-02.60

LCS 2005/08/12-02.60-035

Extracted: 08/12/2005

Analyzed: 08/12/2005 12:35

LCSD 2005/08/12-02.60-008

Extracted: 08/12/2005

Analyzed: 08/12/2005 13:08

Compound	Conc. ug/Kg		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chlorobenzene	9260	9790	10000	92.6	97.9	5.6	61-121	20		
1,1-Dichloroethene	7870	8140	10000	78.7	81.4	3.4	65-125	20		
Trichloroethene	7530	8010	10000	75.3	80.1	6.2	74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	265	263	250	106.0	105.2		79-118			
1,2-Dichloroethane-d4	227	221	250	90.8	88.4		78-117			
Toluene-d8	260	240	250	104.0	96.0		77-121			

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Submission#: 2005-08-0260

**Allwest Environmental**

August 23, 2005

530 Howard Street, Suite #300  
San Francisco, CA 94105

Attn.: James Koniuto

Project#: 25152.23

Project: Diamond Sub

Attached is our report for your samples received on 08/09/2005 12:30

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/23/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: [ssidhu@stl-inc.com](mailto:ssidhu@stl-inc.com)

Sincerely,

A handwritten signature in black ink that reads "Surinder Sidhu".

Surinder Sidhu  
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
San Francisco, CA 94105  
Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
Diamond Sub

Received: 08/09/2005 12:30

## Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
AWB-2-8	08/09/2005	Soil	7
AWB-2-12	08/09/2005	Soil	8
AWB-3-8	08/09/2005	Soil	11
AWB-3-12	08/09/2005	Soil	12
AWB-4-8	08/09/2005	Soil	14

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s): 5030B/5035	Test(s): 8260B
Sample ID: AWB-2-8	Lab ID: 2005-08-0260 - 7
Sampled: 08/09/2005	Extracted: 8/22/2005 14:37
Matrix: Soil	QC Batch#: 2005/08/22-1A.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	89.2	60-130	%	1.00	08/22/2005 14:37	
1,2-Dichloroethane-d4	87.3	60-140	%	1.00	08/22/2005 14:37	
Toluene-d8	85.6	70-130	%	1.00	08/22/2005 14:37	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	AWB-2-12	Lab ID:	2005-08-0260 - 8
Sampled:	08/09/2005	Extracted:	8/22/2005 15:10
Matrix:	Soil	QC Batch#:	2005/08/22-1A.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	95.0	60-130	%	1.00	08/22/2005 15:10	
1,2-Dichloroethane-d4	96.0	60-140	%	1.00	08/22/2005 15:10	
Toluene-d8	81.6	70-130	%	1.00	08/22/2005 15:10	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	AWB-3-8	Lab ID:	2005-08-0260 - 11
Sampled:	08/09/2005	Extracted:	8/23/2005 11:49
Matrix:	Soil	QC Batch#:	2005/08/23-1A.70
Analysis Flag: L2 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Bromomethane	ND	25	ug/Kg	5.00	08/23/2005 11:49	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene	91.2	60-130	%	5.00	08/23/2005 11:49	
1,2-Dichloroethane-d4	91.4	60-140	%	5.00	08/23/2005 11:49	
Toluene-d8	87.4	70-130	%	5.00	08/23/2005 11:49	

Severn Trent Laboratories, Inc.

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s): 5030B/5035 Test(s): 8260B  
 Sample ID: AWB-3-12 Lab ID: 2005-08-0260 - 12  
 Sampled: 08/09/2005 Extracted: 8/23/2005 12:22  
 Matrix: Soil QC Batch#: 2005/08/23-1A.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/23/2005 12:22	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Chloroethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Methylene chloride	ND	10	ug/Kg	1.00	08/23/2005 12:22	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Chloroform	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Bromoform	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Chloromethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	
Bromomethane	ND	5.0	ug/Kg	1.00	08/23/2005 12:22	

Severn Trent Laboratories, Inc.

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 Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	AWB-3-12	Lab ID:	2005-08-0260 - 12
Sampled:	08/09/2005	Extracted:	8/23/2005 12:22
Matrix:	Soil	QC Batch#:	2005/08/23-1A.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<i>Surrogate(s)</i>						
4-Bromofluorobenzene	85.8	60-130	%	1.00	08/23/2005 12:22	
1,2-Dichloroethane-d4	84.6	60-140	%	1.00	08/23/2005 12:22	
Toluene-d8	87.2	70-130	%	1.00	08/23/2005 12:22	

Severn Trent Laboratories, Inc.

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# STL

Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	AWB-4-8	Lab ID:	2005-08-0260 - 14
Sampled:	08/09/2005	Extracted:	8/22/2005 16:50
Matrix:	Soil	QC Batch#:	2005/08/22-1A.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<i>Surrogate(s)</i>						
4-Bromofluorobenzene	83.5	60-130	%	1.00	08/22/2005 16:50	
1,2-Dichloroethane-d4	103.5	60-140	%	1.00	08/22/2005 16:50	
Toluene-d8	79.0	70-130	%	1.00	08/22/2005 16:50	

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STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Konluto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

### Batch QC Report

Prep(s): 5030B/5035

Method Blank

MB: 2005/08/22-1A.70-024

Soil

Test(s): 8260B

QC Batch # 2005/08/22-1A.70

Date Extracted: 08/22/2005 12:24

Compound	Conc.	RL	Unit	Analyzed	Flag
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	98.0	60-130	%	08/22/2005 12:24	
1,2-Dichloroethane-d4	105.1	60-140	%	08/22/2005 12:24	
Toluene-d8	75.5	70-130	%	08/22/2005 12:24	

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Submission: 2005-08-0260

### Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Konluto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

#### Batch QC Report

Prep(s): 5030B/5035

Method Blank

MB: 2005/08/23-1A.70-043

Soil

Test(s): 8260B

QC Batch # 2005/08/23-1A.70

Date Extracted: 08/23/2005 10:43

Compound	Conc.	RL	Unit	Analyzed	Flag
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	87.1	60-130	%	08/23/2005 10:43	
1,2-Dichloroethane-d4	87.6	60-140	%	08/23/2005 10:43	
Toluene-d8	86.0	70-130	%	08/23/2005 10:43	

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
 San Francisco, CA 94105  
 Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
 Diamond Sub

Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B/5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/08/22-1A.70

LCS 2005/08/22-1A.70-051

Extracted: 08/22/2005

Analyzed: 08/22/2005 11:51

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chlorobenzene	88.2		100	88.2			61-121	20		
1,1-Dichloroethene	94.3		100	94.3			65-125	20		
Trichloroethene	95.4		100	95.4			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	434		500	86.8			60-130			
1,2-Dichloroethane-d4	484		500	96.8			60-140			
Toluene-d8	417		500	83.4			70-130			

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Submission: 2005-08-0260

### Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental  
Attn.: James Koniuto

530 Howard Street, Suite #300  
San Francisco, CA 94105  
Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
Diamond Sub

Received: 08/09/2005 12:30

#### Batch QC Report

Prep(s): 5030B/5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/08/23-1A.70

LCS 2005/08/23-1A.70-010

Extracted: 08/23/2005

Analyzed: 08/23/2005 10:10

LCSD

Compound	Conc. ug/Kg		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chlorobenzene	90.8		100	90.8			61-121	20		
1,1-Dichloroethene	90.9		100	90.9			65-125	20		
Trichloroethene	98.0		100	98.0			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	467		500	93.4			60-130			
1,2-Dichloroethane-d4	495		500	99.0			60-140			
Toluene-d8	399		500	79.8			70-130			

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Submission: 2005-08-0260

## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental  
Attn.: James Konluto

530 Howard Street, Suite #300  
San Francisco, CA 94105  
Phone: (415) 391-2510 Fax: (415) 391-2008

Project: 25152.23  
Diamond Sub

Received: 08/09/2005 12:30

## Batch QC Report

Prep(s): 5030B/5035

Test(s): 8260B

Matrix Spike ( MS / MSD )

Soil

QC Batch # 2005/08/22-1A.70

MS/MSD

Lab ID: 2005-08-0604 - 002

MS: 2005/08/22-1A.70-030

Extracted: 08/22/2005

Analyzed: 08/22/2005 13:30

Dilution: 1.00

MSD: 2005/08/22-1A.70-003

Extracted: 08/22/2005

Analyzed: 08/22/2005 14:03

Dilution: 1.00

Compound	Conc.		Spk. Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Chlorobenzene	86.9	88.0	ND	98.8142	88.0	89.2	1.4	81-121	20		
1,1-Dichloroethene	82.4	92.2	ND	98.8142	83.4	93.5	11.4	65-125	20		
Trichloroethene	88.1	89.1	ND	98.8142	89.2	90.4	1.3	74-134	20		
<i>Surrogate(s)</i>											
4-Bromofluorobenzene	482	488		500	96.3	97.7		80-130			
1,2-Dichloroethane-d4	455	457		500	91.1	91.3		60-140			
Toluene-d8	427	412		500	85.4	82.3		70-130			

08/23/2005 16:35

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## Halogenated Volatile Organic Compounds by 8021B/8260B

Allwest Environmental  
Attn: James Koniuto

530 Howard Street, Suite #300  
San Francisco, CA 94105  
Phone: (415) 391-2510 Fax: (415) 391-2008  
Project: 25152.23  
Diamond Sub

Received: 08/09/2005 12:30

### Batch QC Report

Prep(s): 5030B/5035

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2005/08/23-1A.70**

MS/MSD

Lab ID: 2005-08-0526 - 016

MS: 2005/08/23-1A.70-028

Extracted: 08/23/2005

Analyzed: 08/23/2005 13:28

Dilution: 1.00

MSD: 2005/08/23-1A.70-002

Extracted: 08/23/2005

Analyzed: 08/23/2005 14:02

Dilution: 1.00

Sample / Analysis Flag(s): MSD: N1 ( See Legend and Note Section )

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Chlorobenzene	88.5	88.3	ND	96.7118	89.5	89.4	0.1	61-121	20		
1,1-Dichloroethene	95.8	101	ND	96.7118	98.9	102.2	3.3	65-125	20		
Trichloroethene	94.3	92.5	ND	96.7118	97.5	93.6	4.1	74-134	20		
<i>Surrogate(s)</i>											
4-Bromofluorobenzene	498	528		500	99.7	105.7		60-130			
1,2-Dichloroethane-d4	514	516		500	102.9	103.2		60-140			
Toluene-d8	443	410		500	88.5	82.1		70-130			

08/23/2005 16:31

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

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**SEVERN  
TRENT****STL**

Submission: 2005-08-0260

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Allwest Environmental

Attn.: James Koniuto

530 Howard Street, Suite #300  
San Francisco, CA 94105  
Phone: (415) 391-2510 Fax: (415) 391-2008Project: 25152.23  
Diamond Sub

Received: 08/09/2005 12:30

---

**Legend and Notes**

---

**Analysis Flag**

L2

Reporting limits were raised due to high level of analyte present  
in the sample.

N1

Internal standard out of range.

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STL San Francisco Chain of Custody  
 1220 Quarry Lane • Pleasanton CA 94566-4756  
 Phone: (925) 484-1919 • Fax: (925) 484-1096  
 2005 State Street, Suite 200  
 San Francisco, CA 94133

SEVERN  
 TRENT  
**STL**

Sample ID	Date	Time	Mat	Pres	Qty	Number of Containers
ANB-3-4	8/9/05		S			1
ANB-3-8						1
ANB-3-12						1
ANB-4-4						1
ANB-4-8						1
ANB-5-4						1
ANB-5-8						1
ANB-5-11						1
ANB-SIN						3

**Report To**  
 Attn: James Koninto  
 Company: AuWest Environmental, Inc.  
 Address: 530 Howard St., Ste. 300 SF, CA  
 Phone: #5917510 Email: james@auwest.com  
 Bill To: AuWest  
 Sampled By: J. Koninto  
 Attn: James Koninto Phone: 415 571 2610

**Analysis Request**  
 CAM17 Metals (EPA 60107/4707471)  
 PMS by  8270  8310  
 PCBs  EPA 8081  808  808  
 Pesticides  EPA 8081  808  808  
 Oil and Greases  Petroleum  Total (EPA 1664)  
 Semivolatiles GCMS  EPA 8270  825  
 Volatile Organics GCMS (VOCs)  EPA 8260B  824  
 Purgeable Halocarbons (HVOCs) EPA 8021  
 Fuel Tests EPA 8260B:  Gas  BTEX  Diesel  Motor Oil  Other  
 TEPH EPA 8015M  Silica Gel  
 Purgeable Aromatics BTEX EPA -  8021  8260B  
 TPH EPA -  8015  8021  8260B  
 Gas w/  BTEX  MTBE

**Project Info.**  
 Project Name: DIMOND SUB  
 Project#: ZSISL-7B  
 PO#: ZSISL-7B  
 Credit Card#: \_\_\_\_\_

**Sample Receipt**  
 # of Containers: 11  
 Head Space: \_\_\_\_\_  
 Temp: \_\_\_\_\_  
 Conforms to record: \_\_\_\_\_

**1) Requiring by:**  
 Signature: *James Koninto* Time: 1230  
 Printed Name: JAMES KONINTO Date: 8/9/05  
 Company: AuWest Environmental, Inc.

**2) Received by:**  
 Signature: *Joan Mulken* Time: 1230  
 Printed Name: Joan Mulken Date: 8-9-05  
 Company: STL

**3) Requiring by:**  
 Signature: \_\_\_\_\_ Time: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Company: \_\_\_\_\_

**3) Received by:**  
 Signature: \_\_\_\_\_ Time: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Company: \_\_\_\_\_

### Sample Receipt Checklist

Submission #: 2005- 08-0260

Checklist completed by: <u>JWA</u>		DATE: <u>08-09-08</u>		
Courier: <input type="checkbox"/> STL SF	Courier <input type="checkbox"/> Fedex	UPS	Other	
Log-In Details			Client <input checked="" type="checkbox"/>	
	Yes	No	Comments	
1		<input checked="" type="checkbox"/>		
2	<input checked="" type="checkbox"/>			
3	<input checked="" type="checkbox"/>		<input type="checkbox"/> Picked-Up at Secure Location. <input type="checkbox"/> Client signed-off at time prior to pick-up	
4		<input checked="" type="checkbox"/>		
5		<input checked="" type="checkbox"/>		
6	<input checked="" type="checkbox"/>		<b>NO SAMPLE RECEIVED FOR AWB1-1</b>	
7	<input checked="" type="checkbox"/>			
8	<input checked="" type="checkbox"/>			
9	<input checked="" type="checkbox"/>			
Cooler Temperature Compliance Check				
Temperature Blank Reading		Cooler Sample Temperature		
If no trip blank is submitted individual temperatures must be taken as per SOP.		#1	#2	
		#3	Average	
		6	6	
		6	6	
Reason for Elevated Temperature		Samples with Temp > 6°C - Comments		
<input type="checkbox"/> - Ice Melted <input type="checkbox"/> Insufficient Ice <input type="checkbox"/>				
<input type="checkbox"/> Samp. in boxes <input type="checkbox"/> Sampled < 4hr. <input type="checkbox"/> Ice not req.				
VOA Sample Inspection				
Are bubbles present in any of the VOA vials?	Sample #	Small	Med.	Samples with broken, cracked or leaking containers
		○	○	
		<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes	No	Samples with Unacceptable pH	
	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> pH adjusted- Preservative used: <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> HCl <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> ZnOAc --Lot #(s) _____				
Comments:				
Project Management [Routing for instruction of indicated discrepancy(ies)]				
Project Manager: (initials) <u>SS</u>		Date: <u>08/09/08</u>		Client contacted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Summary of discussion: <u>OK by client to cross on COC</u>				
Corrective Action (per PM/Client): <u>Sample was not logged</u>				