Mr. Robert Brooks
4659 Seven Hills Road
Castro Valley, CA 94546

November 26, 2008

Mr. Paresh Khatri
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: SUBSURFACE INVESTIGATION REPORT (B1 THROUGH B5) CERTIFICATION
County Case # RO 2844
Allied Glass Company
20574 Wisteria Street
Castro Valley, CA

Dear Mr. Khatri:

You will find enclosed one copy of the following document prepared by RGA Environmental, Inc.

- Subsurface Investigation Report (B1 Through B5) dated November 26, 2008 (document 0463.R1).

I declare, under penalty of perjury, that the information and/or recommendations contained in the above-mentioned document for the subject site is true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact me at (510) 537-2180.

Sincerely,

Robert A. Brooks Trust

Robert A Brooks

Robert Brooks

Enclosure

0463.L2

November 26, 2008
Report 0463.R1

Mr. Robert Brooks
Robert A. Brooks Trust
4659 Seven Hills Road
Castro Valley, CA 94546

SUBJECT: SUBSURFACE INVESTIGATION REPORT (B1 THROUGH B5)
Fuel Leak Case No. RO 2844
Allied Glass Company
20574 Wisteria Street
Castro Valley, CA

Dear Mr. Brooks:

RGA Environmental (RGA) is pleased to present this report for the drilling of five soil borings, designated as B1 through B5, to characterize groundwater conditions associated with a reported Underground Storage Tank (UST) release at the subject site. The soil borings were drilled in response to a request from the Alameda County Department of Environmental Health (ACDEH) in a letter dated July 7, 2008. In response to the request, RGA prepared a Soil and Groundwater Investigation Work Plan (B1 Through B5) dated September 2, 2008 (document 0463.W1). The work plan was approved in a letter from the ACDEH dated September 11, 2008. Field activities for the drilling of B1 through B5 were performed on October 14, 2008. Because no water entered any of the boreholes on the day of drilling, the boreholes were left open for several days and groundwater samples were collected from the boreholes on October 15 and 17, 2008. A Site Location Map is attached as Figure 1, a Site Plan prepared by Tank Protect Engineering at the time of UST removal is attached as Figure 2, and a Site Vicinity Map showing borehole locations is attached as Figure 3.

All work was performed under the direct supervision of an appropriately registered professional. This work was performed in accordance with guidelines set forth in the document "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites" dated August 10, 1990 and "Appendix A - Workplan for Initial Subsurface Investigation" dated August 20, 1991.

BACKGROUND

Documentation of removal of one 1,000 gallon gasoline UST and one 300 gallon gasoline UST are provided in a Tank Closure Report prepared by Tank Protect Engineering dated August 26, 1993. The tanks were removed on February 24, 1993. Two soil samples (S-1 and S-2) were collected from the bottom of the 1,000 gallon UST pit and one soil sample (S-3) was collected from the bottom of the 300 gallon UST pit. All of the UST pit soil samples were collected at a depth of

approximately 6 feet below the ground surface. Approximately 5 to 15 gallons of perched groundwater was reported to be present in the UST pit for the 1,000 gallon UST. One water sample (W-1) was collected from the bottom of the 1,000 gallon UST pit. In addition, soil stockpile samples (SP1-(A-D)) were collected. The UST pit and the sample collection locations are shown in Figure 2. The sample results for the soil samples are summarized in Table 1, and the sample results for the water sample are summarized in Table 2. Review of the soil sample results shows that no petroleum hydrocarbons were detected. Review of the water sample results shows that TPH-G was detected at a concentration of 1,700 micrograms per liter (ug/L), and that ethylbenzene and xylenes were detected at concentrations of 2.3 and 97 ug/L, respectively.

FIELD ACTIVITIES

Prior to performing field work, Alameda County Public Works Agency (ACPWA) permit W 2008-729 was obtained, notification was provided to the ACDEH and ACPWA of the scheduled drilling date, the drilling locations were marked with white paint, Underground Safety Alert was notified for buried utility location, and a health and safety plan was prepared.

On October 14, 2008 RGA personnel oversaw the drilling of a total of five borings, designated B1 through B5, at locations shown on Figure 2. Drilling was performed by Vironex, Inc. of Pacheco, California using GeoProbe direct push technology. Borings B1 and B2 encountered drilling refusal while drilling and were drilled to total depths of 14.0 feet below the ground surface (bgs) and 13.0 feet bgs, respectively, and borings B3 through B5 were each drilled to a total depth of 15.0 feet bgs without encountering any drilling refusal. All of the borings were continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macrocore barrel sampler lined with transparent PVC sleeves. The soil from the boreholes was logged in the field in accordance with standard geologic field techniques and the Unified Soil Classification System. The soil from the boreholes was evaluated with a Photoionization Detector (PID) equipped with a 10.6 eV bulb and calibrated with a 100 part per million (ppm) isobutylene standard. The soil was also evaluated for other evidence of petroleum hydrocarbon contamination such as odors, staining, and discoloration. Odors, staining, or discoloration and detectable PID values were encountered in boreholes B1 through B4 between the depths of 9 and 13 feet bgs. PID values were less than 100 ppm in boreholes B1, B2 and B4, and PID values of up to 861 ppm were observed in borehole B3. No odors, staining, or discoloration and noo detectable PID values were encountered in borehole B5. Copies of the boring logs are attached with this report.

Groundwater was not encountered in any of the boreholes on the day of drilling on October 14, 2008. A temporary slotted PVC pipe was placed into each borehole and the top of each borehole was temporarily sealed with a plastic sheet and bentonite pellets until water entered the boreholes. RGA personnel returned to the site on October 15, 2008 and one groundwater grab sample was collected from each of boreholes B1, B3 and B5 on October 15, 2008. However, no water was

present in boreholes B2 or B4 on October 15, 2008. RGA personnel returned to the site on October 16, 2008 to collect water samples from boreholes B2 and B4, however no water was present in boreholes B2 and B4. RGA personnel returned to the site on October 17, 2008 to collect water samples from boreholes B2 and B4, and additional sample was collected from boreholes B1, B3 and B5 on October 17, 2008 for lead analysis. In addition, three VOAs were collected from borehole B4 for petroleum hydrocarbon and lead analysis. No water was detected in borehole B2. In accordance with ACPWA requirements, the temporary PVC pipe was removed from the boreholes and the boreholes were filled with neat cement on October 17, 2008.

The groundwater grab samples were collected from the temporary PVC pipe in the boreholes using a polyethylene tube with a stainless steel check valve. The samples were placed into 40-milliliter VOAs and 1-liter amber glass bottles preserved with hydrochloric acid and capped with Teflon-lined screw caps. On October 17, 2008 the samples that were collected for lead analysis were placed into 500-millilter polypropylene bottles without preservative. All sample containers were clean and provided by the laboratory. The VOAs were overturned and tapped to ensure that no air bubbles were present. The samples were then stored in a cooler with ice, pending delivery to the laboratory. The laboratory was directed to filter and preserve the samples for lead analysis upon receipt. Chain of custody procedures were observed for all sample handling.

All drilling and sampling equipment was cleaned with an Alconox solution followed by a clean water rinse prior to use in each borehole. Following completion of sample collection activities on October 17, 2008 the boreholes were filled with neat cement grout using a tremie pipe. Mr. Ron Smalley of the ACPWA was on site to observe grouting procedures on October 17, 2008. Soil and water generated during drilling was stored in a drum at the site pending characterization and disposal.

GEOLOGY AND HYDROGEOLOGY

The site is located within the East Bay Plain in Alameda County, at an elevation of approximately 160 feet on the western side of the gently sloped valley of Castro Valley. The San Leandro Hills are located approximately 1 mile to the north, and a ridge is located 2000 feet west of the site, with an isolated hill approximately 100 feet tall present less than 1000 feet to the south-southwest. Lake Chabot is located approximately 2 miles to the northwest. San Lorenzo Creek is located approximately 1 mile to the southwest, south, and southeast of the site, and a small south-flowing tributary to the creek is present approximately 400 feet west of the site.

Based on review of regional geologic maps from U. S. Geological Survey Professional Paper 943, "Flatland Deposits - Their Geology and Engineering Properties and Their Importance to Comprehensive Planning," by E. J. Helley and K. R. Lajoie, 1979, the subject site is underlain by Late Pleistocene Alluvium (Qpa), which is described as weakly consolidated slightly weathered

poorly sorted irregularly interbedded clay, silt, sand, and gravel. These alluvial fan and fluvial deposits overly bedrock consisting of Cretaceous marine sedimentary rocks which make up the San Leandro Hills to the north and east (Geologic Map of California, San Francisco Sheet, State of California Division of Mines and Geology, 1980).

In U. S. Geological Survey Miscellaneous Field Studies MF-2342, "Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California," by R. W. Graymer, 2000, this Cretaceous bedrock is classified mainly as Knoxville Formation of the Great Valley Sequence. The ridge located to the west of the site consists of northwest-trending fault-bounded blocks of this material associated with the Hayward Fault, the main trace of which passes approximately 1 mile west of the site. The eastern edge of this fault zone is located approximately 400 feet to the west of the site along the course of the small tributary creek, and the east side of Castro Valley is bounded by a thrust fault 1.5 miles east of the site (Graymer, 2000).

Review of the ACDEH website for nearby sites with impacted groundwater in the vicinity of the subject site identified the following sites.

- Quality Tune Up at 2780 Castro Valley Boulevard (at the northeastern corner of Castro Valley Boulevard and Wisteria Street). The site is located adjacent to and directly south of the Allied Glass Company site. Three groundwater monitoring wells are present at the site. The locations of the wells at the site are shown on Figures 3, 4 and 5. Historic groundwater quality results for the wells are provided in Table 5. Based on the available water level information for the wells at the site, the groundwater flow direction at the site is to the south-southeast. The historic distribution of petroleum hydrocarbons in the wells at the site is consistent with a south-southeasterly groundwater flow direction (well MW2 has historically not had detectable concentrations of petroleum hydrocarbons with the exception of four sampling events). All of the wells were constructed to depths of 20 or 25 feet. Bedrock (interbedded claystone and siltstone) was encountered in the boreholes for the wells at depths of 12 to 15 feet. The subsequent measured depth to water in the wells ranged from approximately 9 to 11 feet.
- Arco Station #4977 at 2770 Castro Valley Boulevard (located at the northwestern corner of Castro Valley Boulevard and Wisteria Street). The site is located approximately 85 feet southwest of the Allied Glass Company site. Review of the reported groundwater flow direction for the site showed that the flow direction is predominantly due south. However, the north arrow on the report site plans is oriented more easterly than the north arrow on the site plans for the Allied Glass Company site, the Quality Tune Up site, and a nearby Shell site (see below), suggesting that the groundwater flow direction at the Arco Station could be south-southwesterly. All of the

wells were constructed to depths of 15 feet. Bedrock (undescribed) was encountered in the boreholes for the wells at depths of 13 to 15 feet. The subsequent measured depth to water in two of the wells was approximately 7 feet, and in one of the wells was approximately 11 feet.

- Former Shell Service Station at 2724 Castro Valley Boulevard (at the northeastern corner of Castro Valley Boulevard and Lake Chabot Road). The site is located approximately 360 feet southeast of the Allied Glass Company site. Review of available historic groundwater flow direction data indicates that the groundwater flow direction at the site is predominantly to the south-southeast. The wells were constructed to depths ranging from 15 to 23 feet. Review of the boring logs for the wells shows that bedrock (shale) was encountered at depths ranging from approximately 12 to 17 feet. The subsequent measured depth to water in the wells ranged from approximately 7 to 9 feet.

The subsurface materials encountered in the five onsite boreholes consisted of sandy gravel from the ground surface to six feet bgs in boreholes B1 and B2, and organic silt from the surface to 3 to 4 feet bgs in boreholes B3 through B5. Underlying these units, silt was present in all 5 boreholes to depths of between 7 and 9 feet. Beneath this silt, silty sand was encountered in boreholes B1, B2, and B4 to between 11 and 13 feet depth, and in boreholes B3 and B5 silty clay was encountered to between 10 and 11 feet depth, which was underlain in turn by silty sand to 13 feet bgs in B3, and by clayey sand to the completion depth of 15.0 feet in B5. In boreholes B1 through B4, the silty sand that was present to depths of 11 to 13 feet was underlain by clayey silt. In boreholes B1, B2, and B4, this silt extends to the total depths explored for the boreholes at 14, 13, and 15 feet bgs, respectively. In borehole B3, 1 foot of gravelly clayey sand was present beneath the lowermost silt unit to the total depth explored of 15.0 feet bgs. Boreholes B1 and B2 were completed at depths of less than 15 feet bgs due to drilling refusal where likely bedrock was encountered.

Groundwater was not encountered during drilling in any of the 5 boreholes. With ACPWA permission the boreholes were kept open for up to 3 days for water level measurement and sample collection. In borehole B5, a water level of 8.2 feet depth was measured approximately 23 hours after completion of drilling, and water levels in boreholes B1, B3, and B4 were measured at between 8.3 and 11.4 feet depth 46 to 50 hours after drilling. Borehole B2 remained dry a full 3 days after drilling, and no water was observed in the boring prior to grouting.

Groundwater flow direction at the site was not determined, but review of groundwater flow measurements reported for the 3 nearby sites shows that groundwater flow has ranged from the south-southwest to the south-southeast, with a south-southeasterly flow direction reported at the former Quality Tune-up site located immediately to the south of the subject site. This is consistent with expected groundwater flow away from the San Leandro Hills located to the north, toward San Lorenzo Creek located to the south.

LABORATORY ANALYSIS

The soil and groundwater grab samples collected from each borehole were analyzed at McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California. McCampbell is a State-accredited hazardous waste testing laboratory. The soil samples were analyzed for TPH-D, TPH-BO, and TPH-MO using EPA Method 3550 in conjunction with Modified EPA Method 8015; TPH-G by EPA Method 5030B in conjunction with Modified EPA Method 8015C; MTBE, BTEX, Fuel Oxygenates, and Lead Scavengers using EPA Method 5030 in conjunction with EPA Method 8260B; and for Total Lead by EPA Method 3050B in conjunction with EPA Method 6010C. The groundwater grab samples were analyzed for TPH-D, TPH-BO, and TPH-MO using EPA Method 3510C in conjunction with EPA Method 8015B; TPH-G by EPA Method 5030B in conjunction with Modified EPA Method 8015C; MTBE, BTEX, Fuel Oxygenates, and Lead Scavengers using EPA Method 5030 in conjunction with EPA Method 8260B; and for Dissolved Lead by EPA Method E200.8.

The soil and groundwater grab sample results are summarized in Table 3 and Table 4, respectively. Copies of the laboratory analytical reports are attached with this report.

MTBE, BTEX, Fuel Oxygenates, and Lead Scavengers were not detected in any of the five soil samples. Total lead was detected in the soil samples collected from boreholes B1, B2, B3, B4, and B5 at concentrations of 16, 6.6, 7.3, 9.9, and 7.6 milligrams per kilogram (mg/kg), respectively.

TPH-G was detected in the soil samples collected from boreholes B1, B2, B3, and B4 at concentrations of 34, 79, 47, and 23 mg/kg, respectively, and was not detected in the soil sample collected from B5. TPH-D was detected in the soil samples collected from boreholes B1, B2, B3, B4, and B5 at concentrations of 18, 9, 12, 12, and 4.3 mg/kg, respectively. TPH-MO was detected in the soil samples collected from boreholes B2 and B5 at concentrations of 8.5 and 12 mg/kg, respectively, and was not detected in the soil samples collected from boreholes B1, B3, and B4. TPH-BO was detected in the soil collected from boreholes B1, B2, B3, B4, and B5 at concentrations of 20, 18, 13, 13, and 15 mg/kg, respectively. Review of the laboratory analytical report shows the TPH-G detected in soil samples collected from boreholes B1, B2, B3, and B4 was described as having no recognizable pattern. Review of the laboratory analytical reports also shows the TPH-D detected in soil samples collected from boreholes B1, B3, and B4 was described as consisting of Stoddard solvent or mineral spirits. The TPH-D detected in the soil sample collected from borehole B2 was described as consisting of Stoddard solvent or mineral spirits and also having a significant amount of oil range compounds, and the TPH-D detected in the soil sample collected from borehole B5 was described by the laboratory as consisting of oil range compounds and diesel range compounds with no recognizable pattern.

Groundwater sample analysis was not performed for borehole B2 because a groundwater sample was not collected from the borehole. Benzene was not detected in any of the groundwater grab samples collected from any of the remaining boreholes, and dissolved lead was not detected in any of the groundwater grab samples collected from the boreholes with the exception of B3 where dissolved lead was detected at a concentration of 0.99 µg/L. No fuel oxygenates or lead scavengers were detected in any of the groundwater grab samples with the exception of TBA in the samples collected from boreholes B1 and B4 at concentrations of 10 and 160 µg/L, respectively.

TPH-G was detected in the groundwater grab samples collected from boreholes B1, B3, B4, and B5 at concentrations of 510, 690, 5,000, and 500 µg/L, respectively. TPH-D was detected in the groundwater grab samples collected from boreholes B1, B3, and B5 at concentrations of 86, 600, and 470 µg/L, respectively, and was not detected in the sample from borehole B3. TPH-MO was detected in the groundwater grab samples collected from boreholes B1 and B5 at concentrations of 730 and 1,600 µg/L, respectively, and was not detected in the groundwater grab sample collected from borehole B3. TPH-BO was detected in the groundwater grab samples collected from boreholes B1, B3, and B5 at concentrations of 820, 670, and 1,700 µg/L, respectively, and was not detected in the sample from borehole B4. Toluene was detected in the groundwater grab samples collected from boreholes B1, B3, B4, and B5 at concentrations of 34, 0.55, 170, and 26 µg/L, respectively; ethylbenzene was detected in the groundwater grab samples collected from boreholes B1, B4, and B5 at concentrations of 30, 320, and 47 µg/L, respectively; and xylenes were detected in the groundwater grab samples collected from boreholes B1, B3, B4, and B5 at concentrations of 110, 0.67, 1,300, and 220 µg/L, respectively. Review of the laboratory analytical report shows the TPH-G detected in groundwater grab samples collected from boreholes B1 and B5 was described by the laboratory as consisting of significant heavier gasoline range compounds, possibly aged gasoline, and the TPH-G detected in the groundwater grab sample collected from borehole B3 was described by the laboratory as showing significant strongly aged gasoline or diesel range compounds in the TPH-G chromatogram, and was also described as having no recognizable pattern. Review of the laboratory analytical reports also show the TPH-D detected in groundwater grab samples collected from boreholes B1 and B5 was described by the laboratory as consisting of significant oil range compounds and also significant diesel range compounds with no recognizable pattern. The TPH-D detected in the groundwater grab sample collected from borehole B3 was described by the laboratory as consisting of significant gasoline range compounds.

DISCUSSION AND RECOMMENDATIONS

Based upon field measurements made with a rolatape, it was determined that the Tank Protect Engineering Site Plan attached as Figure 2 is not properly scaled. The measured site dimensions are shown on Figure 3, and the UST locations are shown on Figure 3 based on historic and present-day landscaping at the southwest corner of the property. The presence of a large pine tree in the landscaping at the southwest corner of the property indicates that the former 300 gallon UST was

located further to the east than shown in the Tank Protect Engineering Site Plan. The locations of the USTs shown in Figure 3 assumes that the distance between the east end of the 1,000 gallon UST and the building located to the east of the 1,000 gallon UST was not properly scaled on the Tank Protect Engineering Site Plan. It is also possible that the distance between the two USTs was not properly shown on the Tank Protect Engineering Site Plan. However, even if the 1,000 gallon UST was actually located further to the west than shown on the Tank Protect Engineering Site Plan, borehole B1 would still be in the UST pit.

The historic water quality data for the adjacent former Quality Tune-Up is shown in Table 5, and although the most recent TPH-G water quality data from Table 5 is shown on Figure 4, review of the historic water quality data in Table 5 shows that substantially higher concentrations of petroleum hydrocarbons have been encountered during wet-weather months than during dry-weather months. The highest TPH-G concentrations in Table 5 have consistently been encountered in well MW-1, located immediately downgradient of the gasoline UST pits on the downgardient side of the former Quality Tune-Up site. Although elevated petroleum hydrocarbon groundwater concentrations have historically been encountered in well MW-3 (located on the upgradient side of the site), this well is located near a former waste oil UST that could have been the source of the detected petroleum hydrocarbons.

Comparison of the petroleum hydrocarbon concentrations in groundwater at the former Quality Tune Up and the former Allied Glass sites is difficult based on the difference in time between the dates of the majority of the well sampling events at the Quality Tune-Up facility (all but one of the sampling events at the former Quality Tune-Up occurred between 1992 and 1995) and the date of the borehole groundwater grab sample collection at the former Allied Glass facility (a difference of approximately 13 to 16 years). Comparison of the water quality data is also difficult based on the seasonal variability of water quality data (historic well sample results have been substantially higher during wet weather months than during dry weather months at the former Quality Tune-Up facility, and the borehole groundwater grab samples were collected at the former Allied Glass facility at the end of the dry season).

Groundwater samples were collected from all of the boreholes at the former Allied Glass facility except from borehole B2, where no groundwater was encountered. Only 3 VOAs of water were collected from borehole B4 because of the small amount of water that entered the borehole. Based on the limited sample volume from borehole B4, extractable petroleum hydrocarbon analysis for TPH-D, TPH-MO and TPH-BO was not possible. Review of the groundwater petroleum hydrocarbon concentrations in Table 4 shows that benzene was not detected in any of the groundwater samples. Similarly, fuel oxygenates and lead scavengers were not detected in any of the groundwater samples with the exception of TBA in B4 at a concentration of 160 ug/L. Lead was not detected in any of the groundwater samples with the exception of B4 at a concentration of 0.99 ug/L.

Comparison of the soil sample results in Table 3 with San Francisco Bay Regional Water Quality Control Board (SFRWQCB) May 2008 Table A Environmental Screening Levels (ESLs) shows that none of the detected petroleum hydrocarbon concentrations exceed their respective ESL values. Although elevated detection limits for benzene for the soil samples collected from boreholes B1, B2 and B3 exceed the Table A benzene soil ESL, the absence of BTEX in all of the soil samples indicates that benzene in soil is not a concern at the subject site.

Review of Table 4 and Figure 4 shows that the petroleum hydrocarbon concentrations encountered in B4 are approximately one order of magnitude higher than the concentrations encountered in the other boreholes. In addition, B4 is located on the upgradient side of the subject site. Comparison of the groundwater sample results in Table 4 with SFRWQCB May 2008 Table A ESLs shows that the extent of petroleum hydrocarbons has not yet been defined in the vicinity of the subject site at concentrations below the respective ESLs for TPH-G, TPH-D, TPH-BO, TPH-MO, BTEX and TBA. Comparison of the groundwater sample results with SFRWQCB May 2008 Table E-1 ESLs shows that for analytes where an ESL is published none of the detected concentrations exceed values that suggest a potential indoor air vapor intrusion concern. Based on the sample results, RGA recommends that additional groundwater grab samples be collected at locations shown in Figures 3 and 4 during wet-weather months.

The rationale for the borehole locations is as follows.

- B6. Located to the west of B3, the borehole is intended to define the extent of petroleum hydrocarbons detected in B3 to the west of the subject site at the closest possible location where traffic hazards can be minimized during drilling.
- B7. Located between B4 and the residence located to the north of the subject site, the borehole is intended to define the extent of petroleum hydrocarbons detected in B4 to the north of the subject site.
- B8. Located to the east of B5, the borehole is intended to define the extent of petroleum hydrocarbons detected in B5 to the east of the subject site.
- B9. Located between B4 and offsite well MW-3, the borehole is intended to define the extent of petroleum hydrocarbons detected at the subject site to the South of the subject site at a location approximately midway between the onsite boreholes and the closest offsite groundwater monitoring well.

RGA also recommends that the offsite groundwater monitoring wells at the adjacent former Quality Tune-Up be sampled at the time of the proposed drilling during wet weather months for comparison of borehole and well groundwater sample results.

DISTRIBUTION

A copy of this report will be uploaded to the Alameda County ftp website and to GeoTracker.

LIMITATIONS

This report was prepared solely for the use of The Robert A. Brooks Trust. The content and conclusions provided by RGA in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. RGA is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

November 26, 2008
Report 0463.R1

Should you have any questions, please do not hesitate to contact us at (510) 547-7771.

Sincerely,

RGA Environmental, Inc.

Kenneth Pilgrim
Project Manager

Paul H. King
California Professional Geologist #5901
Expires: 12/31/09

Attachments: Table 1 – Summary of Historic Soil Laboratory Analytical Results
Table 2 – Summary of Historic Groundwater Laboratory Analytical Results
Table 3 – Summary of Borehole Soil Laboratory Analytical Results
Table 4 – Summary of Borehole Groundwater Laboratory Analytical Results
Table 5 – Summary of Historic Groundwater Laboratory Analytical Results For Former Quality Tune-Up at 2780 Castro Valley Boulevard
Figure 1 – Site Location Map
Figure 2 – Site Plan Prepared by Tank Protect Engineering
Figure 3 - Site Vicinity Map Showing Borehole Locations
Figure 4 - Site Vicinity Map Showing TPH-G in Groundwater
Boring Logs
Laboratory Reports and Chain of Custody Documentation

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TABLES

Table 1. Summary of Historic Soil Laboratory Analytical Results

Allied Glass - 20574 Wisteria Street, Castro Valley, California

Sample ID	Sample Date	Sample Depth (Feet)	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	Total Lead
			← mg/Kg →					
S-1	2/24/1993	6.0	ND<0.500	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	6.8
S-2	2/24/1993	6.0	ND<0.500	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	3.0
S-3	2/24/1993	6.0	ND<0.500	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	4.0
SP1-(A-D)[1]	2/24/1993	1.0-2.0	ND<0.500	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	150
ESL			*83*	*0.044*	*2.9*	*3.3*	*2.3*	*750*

Abbreviations and Notes:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

ND = Not Detected.

[1] = Also Analyzed for soluble lead by EPA Method 7420 and lead was detected by this method at a concentration of 5.3.

ESL= Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB), updated May 2008, from Table A– Shallow Soils, Groundwater is a current or potential source of drinking water, Commercial/ Industrial Land Use.

Values in bold exceed ESLs

Results in mg/Kg unless otherwise indicated.

Table 2. Summary of Historic Groundwater Laboratory Analytical Results

Allied Glass - 20574 Wisteria Street, Castro Valley, California

Sample ID	Sample Date	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	Total Lead
		←		µg/L			→
W-1	2/24/1993	**1,700**	ND<**1.5**	ND<1.1	2.3	**97**	ND<**100**
ESL		*100*	*1.0*	*40*	*30*	*20*	*2.5*

Abbreviations and Notes:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.
ND = Not Detected.
ESL= Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB), updated May 2008, from Table A– Shallow Soils,
Groundwater is a current or potential source of drinking water.
Values in bold exceed ESLs
Results in micrograms per Liter (µg/L) unless otherwise indicated.

Table 3. Summary of Borehole Soil Laboratory Analytical Results

Allied Glass - 20574 Wisteria Street, Castro Valley, California

Sample ID	Sample Date	Sample Depth (Feet)	TPH-G	TPH-D	TPH-MO	TPH-BO	Benzene	Toluene	Ethylbenzene	Xylenes	Lead	Fuel Oxygenates & Lead Scavengers
			← mg/Kg →									
B1-10	10/14/2008	10.0	34, a	18, b	ND<5.0	20	ND<**0.10**	ND<0.10	ND<0.10	ND<0.10	16	ND
B2-10	10/14/2008	10.0	79, a	9.0, b,c	8.5	18	ND<**0.10**	ND<0.10	ND<0.10	ND<0.10	6.6	ND
B3-10	10/14/2008	10.0	47, a	12, b	ND<5.0	13	ND<**0.10**	ND<0.10	ND<0.10	ND<0.10	7.3	ND
B4-10	10/14/2008	10.0	23, a	12, b	ND<5.0	13	ND<0.005	ND<0.005	ND<0.005	ND<0.005	9.9	ND
B5-10	10/14/2008	10.0	ND<1.0	4.3, c, d	12	15	ND<0.005	ND<0.005	ND<0.005	ND<0.005	7.6	ND
	ESL		*83*	*83*	*2500*	*2500*	*0.044*	*2.9*	*3.3*	*2.3*	*750*	

Abbreviations and Notes:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
NA = Not Analyzed.
ND = Not Detected.
a = Laboratory Analytical Note: no recognizable pattern.
b = Laboratory Analytical Note: Stoddard solvent/ mineral spirits.
c = Laboratory Anlaytical Note: oil range compounds are significant.
d = Laboratory Analytical Note: diesel range compounds are significant; no recognizable pattern.
ESL= Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB), updated May 2008, from Table A– Shallow Soils,
Groundwater is a current or potential source of drinking water, Commercial/ Industrial Land Use.
Values in bold exceed ESLs
Results in milligram per kilogram (mg/Kg) unless otherwise indicated.

Table 4. Summary of Borehole Groundwater Laboratory Analytical Results

Allied Glass - 20574 Wisteria Street, Castro Valley, California

Sample ID	Sample Date	TPH-G	TPH-D	TPH-MO	TPH-BO	Benzene	Toluene	Ethylbenzene	Xylenes	Lead[3]	Fuel Oxygenates & Lead Scavengers
		←						µg/L			→
B1W	10/15/2008	**510, a**	86, d,e	**730**	**820**	ND<**1.0**	34	**30**	**110**	ND<0.5	ND, except; TBA = 10
B3W	10/15/2008	**690, b,c**	**600, f**	ND<**250**	**670**	ND<0.5	0.55	ND<0.5	0.67	0.99	ND
B4W	10/17/2008	**5,000**	NA	NA	NA	ND<**12**	**170**	**320**	**1,300**	NA	ND, except; TBA = **160**
B5W	10/15/2008	**500, a**	**470, d,e**	**1,600**	**1,700**	ND<**2.5**	26	**47**	**220**	ND<0.5	ND
ESL [1]		*100*	*100*	*100*	*100*	*1.0*	*40*	*30*	*20*	*2.5*	*TBA = 12*
ESL [2]		*None*	*None*	*None*	*None*	*1,800*	*530,000*	*170,000*	*160,000*	*None*	*None*

Abbreviations and Notes:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-MO = Total Petroleum Hydrocarbons as Motor oil.

TPH-BO = Total Petroleum Hydrocarbons as Bunker oil.

ND = Not Detected.

NA = Not Analyzed.

a = Laboratory analytical note: heavier gasoline range compounds are significant (aged gasoline?).

b = Laboratory analytical note: strongly aged gasoline or diesel range compounds are significant in the TPH-G chromatogram.

c = Laboratory analytical note: no recognizable pattern.

d = Laboratory analytical note: oil range compounds are significant.

e = Laboratory analytical note: diesel range compounds are significant; no recognizable pattern.

f = Laboratory analytical note: gasoline range compounds are significant.

ESL[1]= Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB), updated May 2008, from Table A – Shallow Soils, groundwater is a current or potential source of drinking water.

ESL[2]= Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB), updated May 2008, from Table E-1 – Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion Concerns, Commercial/ Industrial land use.

[3] = Groundwater Samples collected 10/17/08 for Lead Analysis.

Values in bold exceed ESL [1]

Values underlined exceed ESL [2]

Results in micrograms per Liter (µg/L) unless otherwise indicated.

TABLE 5

SUMMARY TABLES OF HISTORIC GROUNDWATER LABORATORY ANALYTICAL RESULTS FOR FORMER QUALITY TUNE-UP AT 2780 CASTRO VALLEY BLVD.

From Hageman-Aguiar, Inc.'s Groundwater Sampling Report For Quality Tune-Up 2780 Castro Valley Blvd., dated September 16, 1999

TABLE 1

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS

(ppm[1]) Allied Glass Site

Sample ID Name	Depth (feet)	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Total Lead
S-1	6.0-6.5	<.500	<.0050	<.0050	<.0050	<.015	6.8
S-2	6.0	<.500	<.0050	<.0050	<.0050	<.015	3.0
S-3	6.0	<.500	<.0050	<.0050	<.0050	<.015	4.0
SP1-(A-D)[2]	1.0-2.0	<.500	<.0050	<.0050	<.0050	<.015	150

[1] PARTS PER MILLION

[2] ALSO ANALYZED FOR SOLUBLE LEAD BY THE WET EXTRACTION TEST (WET) EPA METHOD 7420 AND BY THE TOXICITY CHARACTERISTIC LEACHING PROCEDURE, EPA METHOD 7420; LEAD WAS DETECTED BY THE WET AT A CONCENTRATION OF 5.3 ppm.

TABLE 2

SUMMARY OF WATER SAMPLE ANALYTICAL RESULTS

(ppb[1]) Allied Glass Site

Sample ID Name	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Total Lead
W-1	1,700	<1.5	<1.1	2.3	97	<100

[1] PARTS PER BILLION

TABLE 3.

Shallow Groundwater Sampling Results
Quality Tune Up Site

Well	Date	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)
MW-1	05-20-92	260	ND	ND	4.4	9.0	---
	08-19-92	ND	ND	ND	ND	ND	---
	11-18-92	160	0.9	4.0	2.6	9.4	---
	02-22-93	9,000	15	34	46	91	---
	05-24-93	540	0.5	0.9	2.0	4.5	---
	08-16-93	53	ND	ND	1.0	4.7	---
	11-15-93	780	0.6	0.9	1.1	5.2	---
	02-11-94	3,000	3.9	2.5	12	26	---
	06-28-94	180	ND	ND	4.2	9.0	---
	09-12-94	ND	ND	ND	ND	ND	---
	12-13-94	580	ND	ND	2.6	3.9	---
	03-24-95	1,500	7.3	6.2	12	28	---
	06-27-95	160	ND	ND	4.7	9.2	---
	09-03-99	ND	ND	ND	ND	ND	ND
MW-2	05-20-92	ND	ND	ND	ND	ND	---
	08-19-92	ND	ND	ND	ND	ND	---
	11-18-92	70	ND	ND	0.9	6.7	---
	02-22-93	ND	ND	ND	ND	ND	---
	05-24-93	ND	ND	ND	ND	ND	---
	08-16-93	ND	ND	ND	ND	ND	---
	11-15-93	ND	ND	ND	ND	ND	---
	02-11-94	ND	ND	ND	ND	ND	---
	06-28-94	ND	ND	ND	ND	ND	---
	09-12-94	ND	ND	ND	ND	ND	---
	12-13-94	120	ND	ND	ND	0.8	---
	03-24-95	290	ND	0.5	10	18	---
	06-27-95	63	ND	3.4	1.9	9.1	---
	09-03-99	ND	ND	ND	ND	ND	ND
Detection Limit		50	0.5	0.5	0.5	0.5	0.5

ND = Not Detected

TABLE 3. (continued)

Shallow Groundwater Sampling Results

Quality Tune Up Site

Well	Date	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)
MW-3	05-20-92	4,200	4.5	1.2	13	43	---
	08-19-92	280	5.3	16	25	61	---
	11-18-92	4,800	26	27	35	98	---
	02-22-93	6,200	9.4	15	30	66	---
	05-24-93	1,100	1.5	3.4	4.1	9.9	---
	08-16-93	420	2.1	3.0	3.8	23	---
	11-15-93	3,000	2.4	3.1	4.4	20	---
	02-11-94	3,700	7.7	6.8	12	29	---
	06-28-94	230	ND	4.0	8.5	19	---
	09-12-94	460	0.7	1.4	3.5	4.7	---
	12-13-94	1,400	1.1	2.1	5.4	9.5	---
	03-24-95	6,000	14	15	10	79	---
	06-27-95	1,100	6.2	39	26	43	---
	09-03-99	760	ND	1.5	2.9	4.1	22
Detection Limit		50	0.5	0.5	0.5	0.5	0.5

ND = Not Detected

FIGURES

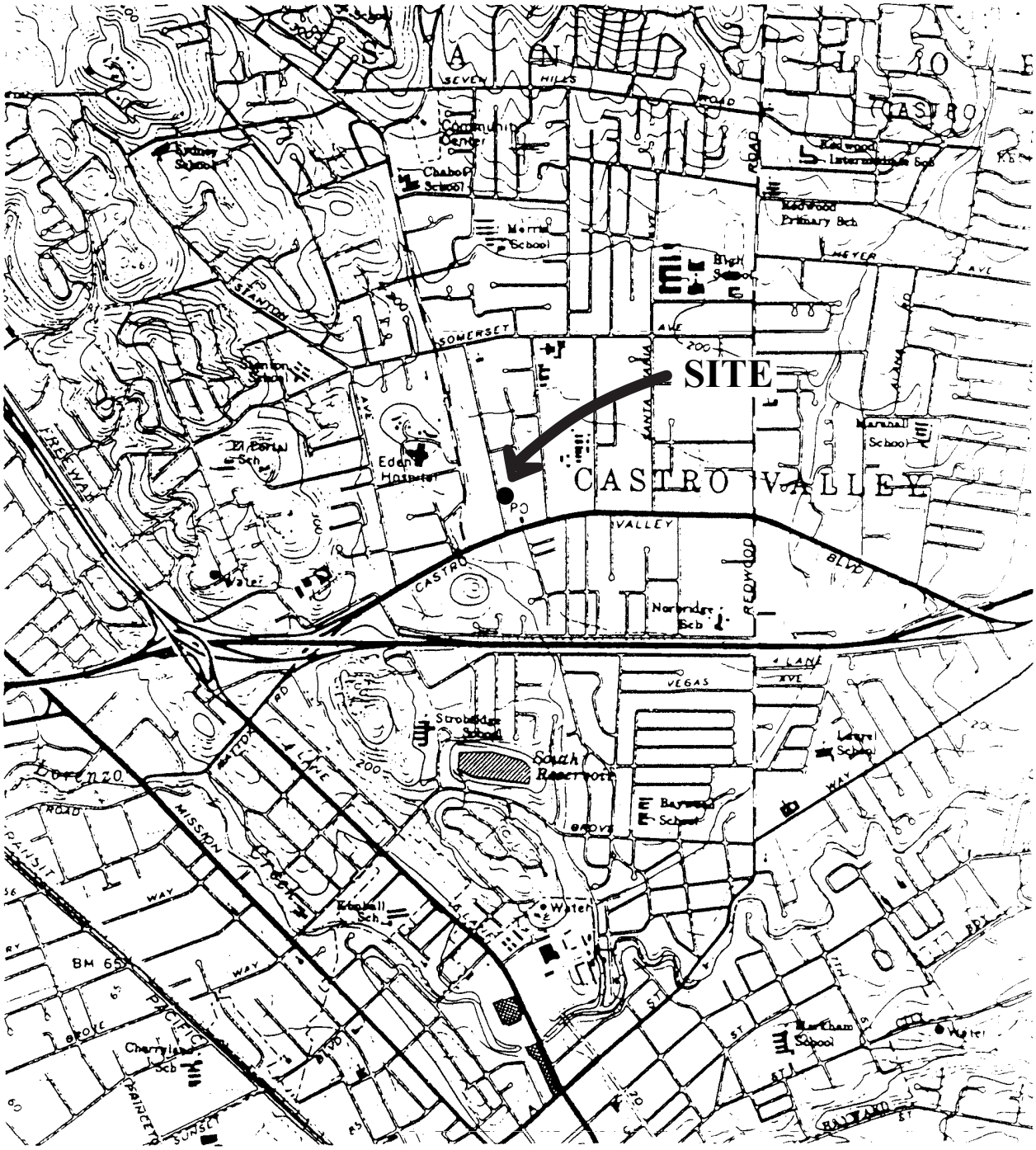

Figure 1
Site Location Map
Allied Glass Company
20574 Wisteria Street
Castro Valley, California

Base Map from:
U.S. Geological Survey
Hayward, Calif.
7.5 Minute Quadrangle
Photorevised 1980

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 1,000 2,000
Scale in Feet

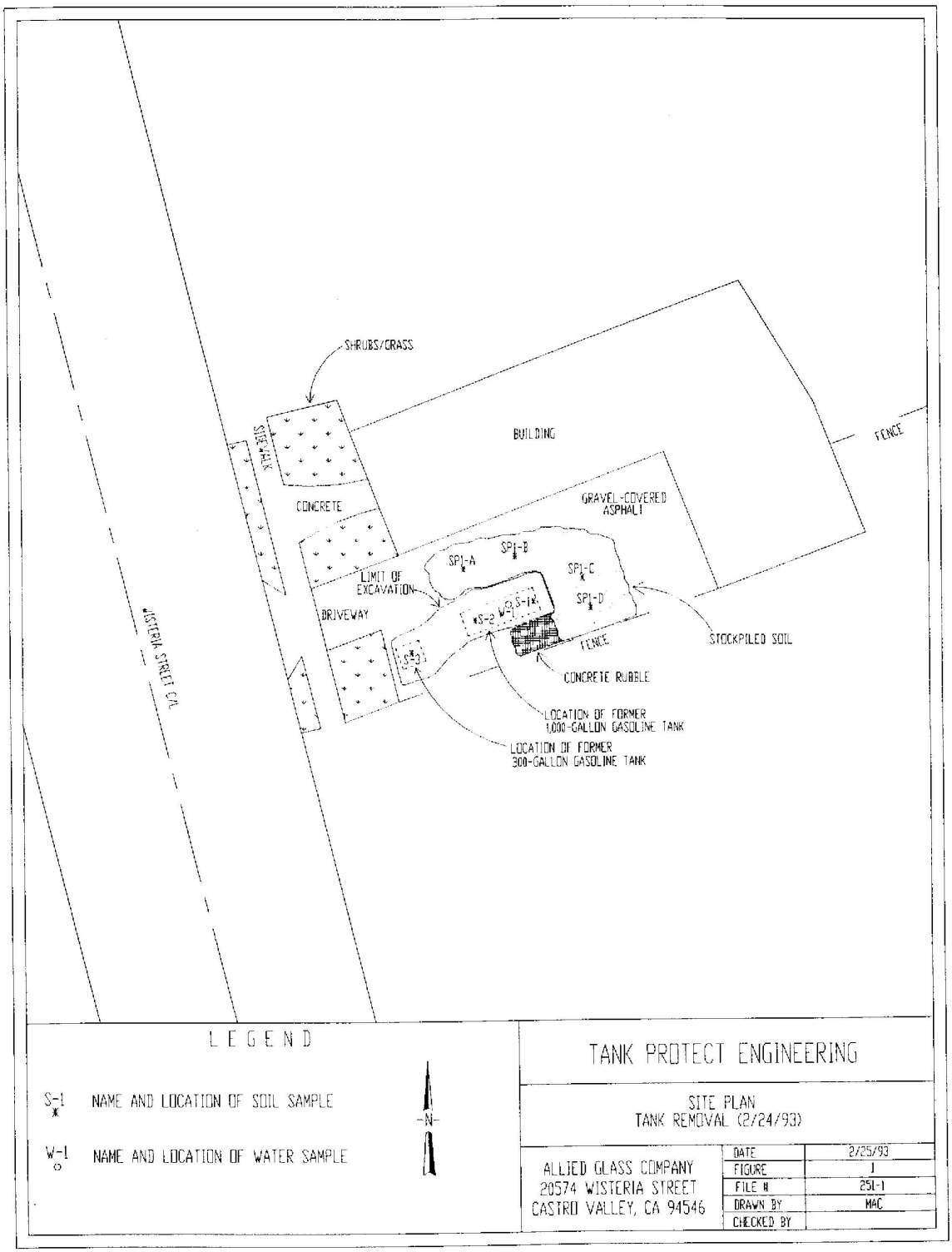

Figure 2
Site Plan Prepared by Tank Protect Engineering
Allied Glass Company
20574 Wisteria Street
Castro Valley, California

Base Map from: Tank Protect Engineering Tank Closure Report, Allied Glass Company August 1993	RGA Environmental, Inc. 1466 66th Street Emeryville, CA 94608	0 12.5 25 Scale in Feet

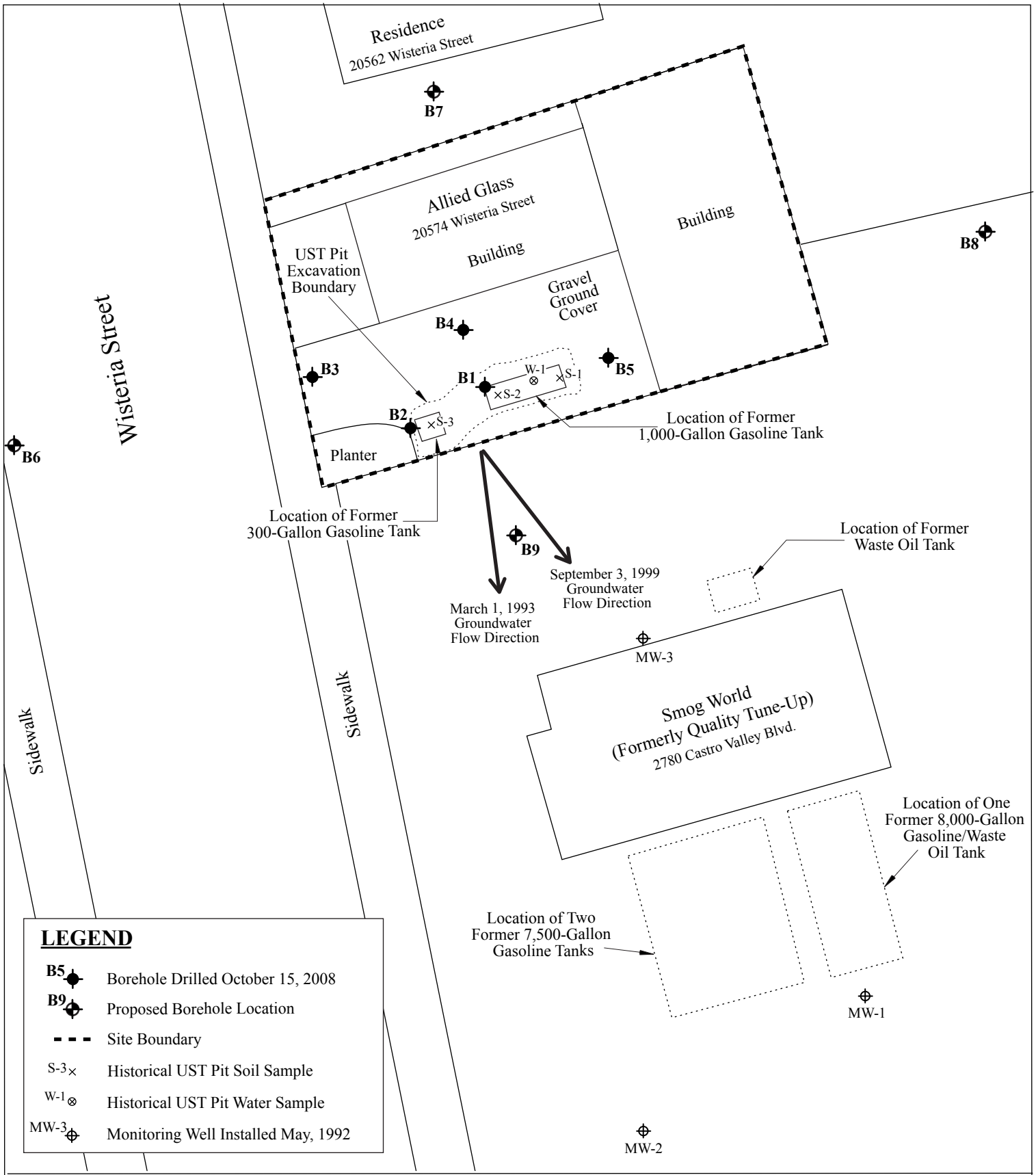

Figure 3
Site Vicinity Map
Allied Glass Company
20574 Wisteria Street
Castro Valley, California

Base Map from:
RGA Environmental, Inc., August 2008
Prepared Using a Rolotape
and Hageman-Aguiar, Inc., Report of Soil and
Groundwater Investigation, Quality Tune-up, July 1992

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 10 20
Scale in Feet

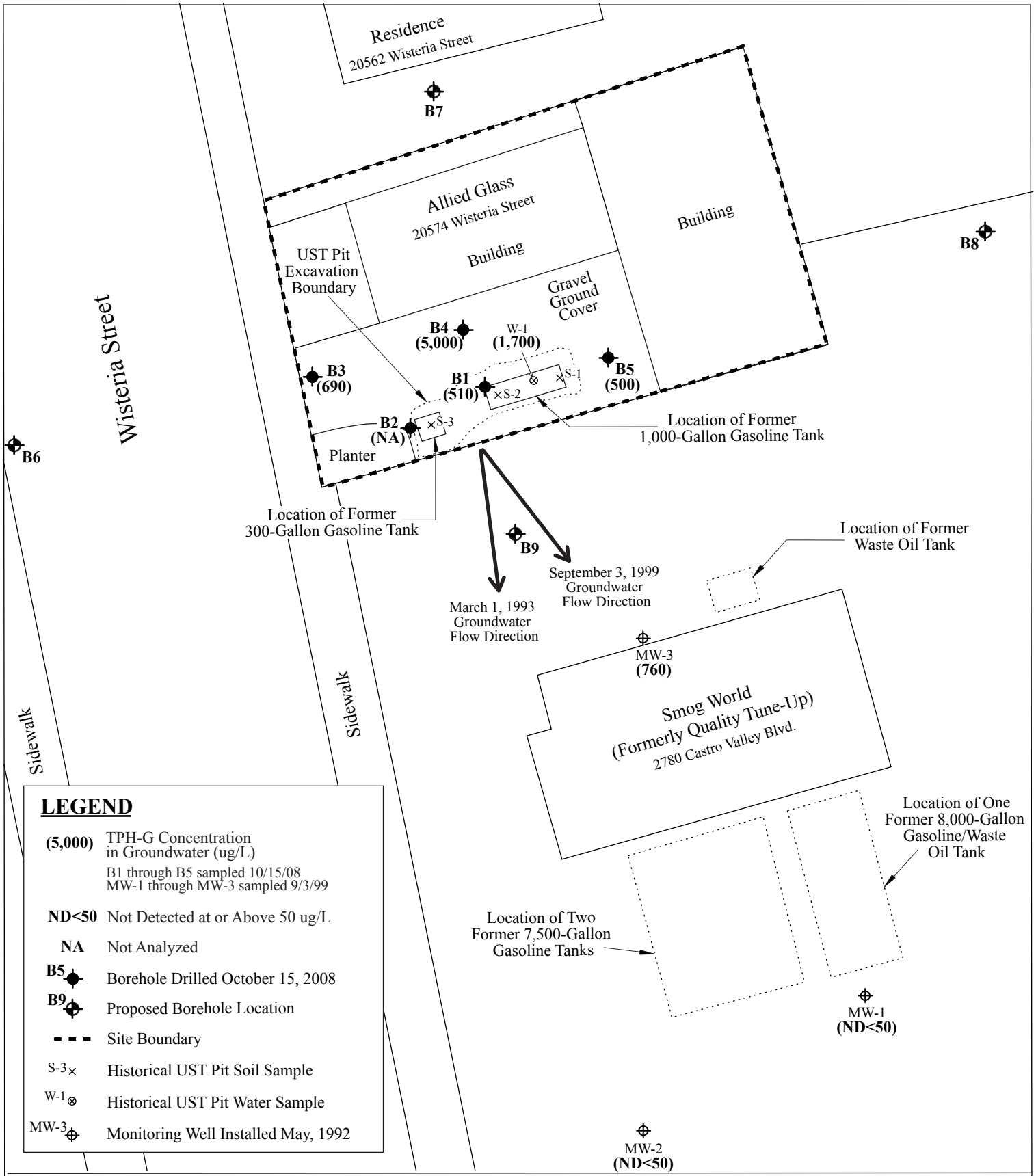

Figure 4
Site Vicinity Map Showing TPH-G in Groundwater
Allied Glass Company
20574 Wisteria Street
Castro Valley, California

N

Base Map from:
RGA Environmental, Inc., August 2008
Prepared Using a Rolotape
and Hageman-Aguiar, Inc., Report of Soil and
Groundwater Investigation, Quality Tune-up, July 1992

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 10 20
Scale in Feet

BORING LOGS

RGA ENVIRONMENTAL, INC.

BORING NO.: B1	PROJECT NO.: 0463	PROJECT NAME: Allied Glass, Castro Valley	
BORING LOCATION: Center of parking area		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Brian	DATE & TIME STARTED: 10/14/08 0945	DATE & TIME FINISHED: 10/14/08 1000
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 14.0 Feet	BEDROCK DEPTH: 14 Feet?	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: Not Encountered	NO. OF SAMPLES: 1 Water, 1 Soil		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 6.0 ft. Brown sandy gravel (GW); dry, with gravel to 1.25-in. diameter. No Petroleum Hydrocarbon (PHC) or Solvent odor.	GW	No Well Constructed		0 0	Borehole continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macrocore barrel sampler lined with 5-foot long 1.5-inch O.D. transparent PVC sleeves.
5						0 to 5 ft. 30% recovery
	6.0 to 9.0 ft. Grayish brown silt (ML); stiff, dry, with trace sand and gravel to 0.25-in. diameter. Soil stained bluish gray at 9.0 ft. with slight PHC odor.	ML			0	5 to 10 ft. 100% recovery
10	9.0 to 12.0 ft. Bluish green silty sand (SM); loose, moist, with orange mottling. Strong PHC odor.	SM ▼	B1-10.0		85	10 to 14 ft. 80% recovery Drilling refusal at 14.0 ft.
	12.0 to 14.0 ft. Brown clayey sandy silt (ML); stiff, moist, with orange mottling. No PHC or Solvent odor. 14.0 ft. Dry, hard.	ML			0	Water not encountered during drilling.
15						Borehole terminated at 14.0 ft. on 10/14/08. Temporary 1-in. diameter slotted PVC casing placed in borehole, and borehole temporarily sealed with bentonite pellets and plastic sheeting to allow groundwater to enter. Water level measured at 11.4 ft. depth at 1030 on 10/15/08, and water sample B1W collected for petroleum hydrocarbon analyses. No odor or sheen on sample.
20						Water level measured at 10.6 ft. depth at 1100 on 10/16/08.
25						Second water sample B1W collected for lead analysis at 0905 on 10/17/08. No odor or sheen on sample. No water level measurement recorded.
30						Borehole grouted on 10/17/08 using tremie pipe and neat cement grout. Ron Smalley of the Alameda County Public Works Agency onsite to observe grouting.

RGA ENVIRONMENTAL, INC.

BORING NO.: B2	PROJECT NO.: 0463	PROJECT NAME: Allied Glass, Castro Valley	
BORING LOCATION: Southwest corner of parking area		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Brian	DATE & TIME STARTED: 10/14/08 0915	DATE & TIME FINISHED: 10/14/08 0930
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 13.0 Feet	BEDROCK DEPTH: 13 Feet?	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: Not Encountered	NO. OF SAMPLES: 1 Soil		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 6.0 ft. Brown sandy gravel (GW); dry, with gravel to 1.5-in. diameter. No Petroleum Hydrocarbon (PHC) or Solvent odor.	GW	No Well Constructed		0	Borehole continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macrocore barrel sampler lined with 5-foot long 1.5-inch O.D. transparent PVC sleeves.
5					0	0 to 5 ft. 30% recovery
	6.0 to 9.0 ft. Brown silt (ML); stiff, dry, with black mottling. No PHC or Solvent odor.	ML			0	5 to 10 ft. 100% recovery
						10 to 13 ft. 70% recovery
10	9.0 to 11.0 ft. Bluish green silty sand (SM); loose, moist, with gravel to 0.5-in. diameter, and orange mottling. Slight PHC odor. x	SM	B2-10.0		40	Drilling refusal at 13.0 ft.
	11.0 to 13.0 ft. Brown clayey silt (ML); stiff, dry, with orange mottling. No PHC or Solvent odor. 13.0 ft. Hard, with increased sand content.	ML			0	Water not encountered during drilling.
15						Borehole terminated at 13.0 ft. on 10/14/08. Temporary 1-in. diameter slotted PVC casing placed in borehole, and borehole temporarily sealed with bentonite pellets and plastic sheeting to allow groundwater to enter. No water entered borehole by 0945 on 10/17/08, and no water sample collected.
20						Borehole grouted on 10/17/08 using tremie pipe and neat cement grout. Ron Smalley of the Alameda County Public Works Agency onsite to observe grouting.
25						
30						

RGA ENVIRONMENTAL, INC.

BORING NO.: B3	PROJECT NO.: 0463	PROJECT NAME: Allied Glass, Castro Valley	
BORING LOCATION: In driveway adjacent to sidewalk		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Brian	DATE & TIME STARTED: 10/14/08 0830	DATE & TIME FINISHED: 10/14/08 0900
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: Not Encountered	NO. OF SAMPLES: 1 Water, 1 Soil		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.5 ft. Concrete and gravel base.		No Well Constructed			Borehole continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macrocore barrel sampler lined with 5-foot long 1.5-inch O.D. transparent PVC sleeves.
	0.5 to 3.0 ft. Black organic silt (OH); stiff, dry, with roots, and trace gravel to 0.25-in. diameter. No Petroleum Hydrocarbon (PHC) or Solvent odor.	OH			0	
	3.0 to 7.0 ft. Grayish brown silt (ML); stiff, dry, with orange mottling. No PHC or Solvent odor.	ML			0	
5						0 to 5 ft. 70% recovery
	7.0 to 10.0 ft. Grayish brown silty clay (CL); stiff, dry, with orange mottling.	CL			0	
	Soil stained bluish green at 9.0 ft., with strong PHC odor.				126	5 to 10 ft. 90% recovery
10	10.0 to 13.0 ft. Bluish green silty sand (SM); loose, moist, with trace gravel to 0.25-in. diameter. Strong PHC odor.	SM	B3-10.0		861 283	10 to 15 ft. 80% recovery
	13.0 to 14.0 ft. Grayish brown silt (ML); stiff, dry, with trace gravel to 0.25-in. diameter. No PHC or Solvent odor.	ML			0	
	14.0 to 15.0 ft. Brown clayey sand (SC); medium dense, moist, with gravel to 0.75-in. diameter, and orange mottling. No PHC or Solvent odor.	SC				Water not encountered during drilling.
15						Borehole terminated at 15.0 ft. on 10/14/08. Temporary 1-in. diameter slotted PVC casing placed in borehole, and borehole temporarily sealed with bentonite pellets and plastic sheeting to allow groundwater to enter. Water level measured at 11.9 ft. depth at 1100 on 10/15/08, and water sample B3W collected for petroleum hydrocarbon analyses. No odor or sheen on sample.
20						Water level measured at 8.3 ft. depth at 1050 on 10/16/08.
25						Second water sample B3W collected for lead analysis at 0915 on 10/17/08. No odor or sheen on sample. No water level measurement recorded.
30						Borehole grouted on 10/17/08 using tremie pipe and neat cement grout. Ron Smalley of the Alameda County Public Works Agency onsite to observe grouting.

RGA ENVIRONMENTAL, INC.

BORING NO.: B4	PROJECT NO.: 0463	PROJECT NAME: Allied Glass, Castro Valley	
BORING LOCATION: North of boring B1 near building		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Brian	DATE & TIME STARTED: 10/14/08 1005	DATE & TIME FINISHED: 10/14/08 1040
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: Not Encountered	NO. OF SAMPLES: 1 Water, 1 Soil		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 1.0 ft. Brown sandy gravel (GW); dry. No Petroleum Hydrocarbon (PHC) or Solvent odor.	GW	No Well Constructed		0	Borehole continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macrocore barrel sampler lined with 5-foot long 1.5-inch O.D. transparent PVC sleeves.
	1.0 to 4.0 ft. Black organic silt (OH); stiff, dry, with roots. No PHC or Solvent odor.	OH			0	
5	4.0 to 9.0 ft. Brown clayey silt (ML); stiff, dry, with orange mottling. No PHC or Solvent odor.	ML			0	0 to 5 ft. 30% recovery 5 to 10 ft. 90% recovery
10	9.0 to 13.0 ft. Grayish brown clayey silty sand (SM); dense, moist, with minor gravel to 1.25-in. diameter. Strong PHC or Solvent odor. X Soil stained bluish green at 10.0 ft., with slight PHC odor. ▼	SM	B4-10.0		45	10 to 15 ft. 100% recovery
	13.0 to 15.0 ft. Grayish brown clayey silt (ML); stiff, dry, with minor gravel to 0.25-in. diameter, and orange mottling. No PHC or Solvent odor.	ML			0	Water not encountered during drilling.
15						Borehole terminated at 15.0 ft. on 10/14/08. Temporary 1-in. diameter slotted PVC casing placed in borehole, and borehole temporarily sealed with bentonite pellets and plastic sheeting to allow groundwater to enter. No water entered borehole by 1010 on 10/15/08. Water level measured at approximately 11.4 ft. depth at 0900 on 10/16/08. Water sample B4W collected at 0850 on 10/17/08 for petroleum hydrocarbon analyses. No odor or sheen on sample. No water level measurement recorded. Borehole grouted on 10/17/08 using tremie pipe and neat cement grout. Ron Smalley of the Alameda County Public Works Agency onsite to observe grouting.
20						
25						
30						

RGA ENVIRONMENTAL, INC.

BORING NO.: B5	PROJECT NO.: 0463	PROJECT NAME: Allied Glass, Castro Valley	
BORING LOCATION: 25 feet east of boring B1		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Brian	DATE & TIME STARTED: 10/14/08 1100	DATE & TIME FINISHED: 10/14/08 1125
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: Not Encountered	NO. OF SAMPLES: 1 Water, 1 Soil		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 1.0 ft. Brown sandy gravel (GW); dry. No Petroleum Hydrocarbon (PHC) or Solvent odor.	GW	No Well Constructed		0	Borehole continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macrocore barrel sampler lined with 5-foot long 1.5-inch O.D. transparent PVC sleeves.
	1.0 to 4.0 ft. Black organic silt (OH); stiff, dry, with roots. No PHC or Solvent odor.	OH			0	
5	4.0 to 6.0 ft. Grayish brown sandy silt (ML); stiff, dry, with orange mottling. No PHC or Solvent odor.	ML			0	
	6.0 to 11.0 ft. Gray silty clay (CL); stiff, moist, with orange mottling. No PHC or Solvent odor.					0 to 5 ft. 40% recovery
	9.0 ft. Color change to dark brown.	CL			0	5 to 10 ft. 100% recovery
10		x	B5-10.0			10 to 15 ft. 90% recovery
	11.0 to 15.0 ft. Grayish brown clayey sand (SC); medium dense, moist, with orange mottling. No PHC or Solvent odor.	SC			0	
	13.0 to 14.0 ft. With gravel to 0.5-in. diameter.					Water not encountered during drilling.
15						Borehole terminated at 15.0 ft. on 10/14/08. Temporary 1-in. diameter slotted PVC casing placed in borehole, and borehole temporarily sealed with bentonite pellets and plastic sheeting to allow groundwater to enter. Water level measured at 8.2 ft. depth at 1000 on 10/15/08, and water sample B5W collected for petroleum hydrocarbon analyses. No odor or sheen on sample.
20						Second water sample B5W collected for lead analysis at 0910 on 10/17/08. No odor or sheen on sample. No water level measurement recorded.
25						Borehole grouted on 10/17/08 using tremie pipe and neat cement grout. Ron Smalley of the Alameda County Public Works Agency onsite to observe grouting.
30						

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: AGLAS20020/0463; Allied Glass	Date Sampled: 10/15/08
		Date Received: 10/16/08
	Client Contact: Steven Carmack	Date Reported: 10/24/08
	Client P.O.:	Date Completed: 10/23/08

WorkOrder: 0810408

October 24, 2008

Dear Steven:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **AGLAS20020/0463; Allied Glass,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

0810408

Per Paul 10/16/08 all b/c 8260B

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER: AGLAS20020/0463

PROJECT NAME: Allied Glass

SAMPLED BY: (PRINTED AND SIGNATURE) Steve Carmack

	SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-Mult. (G,D,Bo,MO)	8260B (VOCs)	Fuel Oxys + Lead Scavengers + MBTEX	PRESERVATIVE	REMARKS
+	B1W	10/15/08	1030	H_2O		6	X	X	X	ICE	Normal Turnaround Time
+	B3W	↓	1100	↓		6	X	X	X	↓	↓
+	B5W	↓	1000	↓		7	X	X	X	↓	↓

ICE / t° 5 ; 6
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
PRESERVATION — VOAS | O&G | METALS | OTHER

RELINQUISHED BY: (SIGNATURE)	DATE 10/16/08	TIME 2PM	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLES (THIS SHIPMENT) 3	LABORATORY: McCampbell Analytical
RELINQUISHED BY: (SIGNATURE)	DATE 10/16/08	TIME 5:00	RECEIVED BY: (SIGNATURE) K. Burke	TOTAL NO. OF CONTAINERS (THIS SHIPMENT) 19	LABORATORY CONTACT: Angela Rydelius
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO	LABORATORY PHONE NUMBER: (877) 252-9262

Results and billing to: + invoice also to lisa@rgaenv.com
RGA Environmental, Inc.
paul.king@rgaenv.com

REMARKS: All bottles preserved w/ HCL

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0810408 **ClientCode: RGAE**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Steven Carmack
RGA Environmental
1466 66th Street
Emeryville, CA 94608
(510) 658-6916 FAX (510) 834-0152

Email: paul.king@rgaenv.com; pdking0000@a
cc:
PO:
ProjectNo: AGLAS20020/0463; Allied Glass

Bill to:
Lisa Devito
RGA Environmental
1466 66th Street
Emeryville, CA 94608
lisa.devito@rgaenv.com

Requested TAT: 5 days

Date Received: **10/16/2008**
Date Printed: **10/20/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0810408-001	B1W	Water	10/15/2008 10:30	☐	A	B										
0810408-002	B3W	Water	10/15/2008 10:30	☐		B										
0810408-002	B3W	Water	10/15/2008 11:00	☐	A											
0810408-003	B5W	Water	10/15/2008 10:00	☐	A	B										

Test Legend:

1	G-MBTEX_W	2	MBTEXOXY-8260B_W	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A contain testgroup.

Prepared by: Kimberly Burks

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **RGA Environmental**
Date and Time Received: **10/16/2008 8:07:38 PM**

Project Name: **AGLAS20020/0463; Allied Glass**
Checklist completed and reviewed by: Kimberly Burks

WorkOrder N°: **0810408** Matrix Water
Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: AGLAS20020/0463; Allied Glass	Date Sampled: 10/15/08
		Date Received: 10/16/08
1466 66th Street	Client Contact: Steven Carmack	Date Extracted: 10/17/08-10/18/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 10/17/08-10/18/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods SW8015Cm Work Order: 0810408

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	B1W	W	510,d2	1	93
002A	B3W	W	690,d7,d9	1	115
003A	B5W	W	500,d2	1	91

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d2) heavier gasoline range compounds are significant (aged gasoline?)
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: AGLAS20020/0463; Allied Glass	Date Sampled: 10/15/08
		Date Received: 10/16/08
1466 66th Street	Client Contact: Steven Carmack	Date Extracted: 10/17/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 10/17/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810408

Lab ID	0810408-001B	0810408-002B	0810408-003B		Reporting Limit for DF =1	
Client ID	B1W	B3W	B5W			
Matrix	W	W	W			
DF	2	1	5		S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<1.0	ND	ND<2.5		NA	0.5
Benzene	ND<1.0	ND	ND<2.5		NA	0.5
t-Butyl alcohol (TBA)	10	ND	ND<10		NA	2.0
1,2-Dibromoethane (EDB)	ND<1.0	ND	ND<2.5		NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.0	ND	ND<2.5		NA	0.5
Diisopropyl ether (DIPE)	ND<1.0	ND	ND<2.5		NA	0.5
Ethylbenzene	30	ND	47		NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<1.0	ND	ND<2.5		NA	0.5
Methyl-t-butyl ether (MTBE)	ND<1.0	ND	ND<2.5		NA	0.5
Toluene	34	0.55	26		NA	0.5
Xylenes	110	0.67	220		NA	0.5
Surrogate Recoveries (%)						
%SS1:	85	85	86			
%SS2:	87	87	86			
%SS3:	89	92	87			
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Angela Rydelius, Lab Manager

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: AGLAS20020/0463; Allied Glass	Date Sampled: 10/15/08
		Date Received: 10/16/08
1466 66th Street	Client Contact: Steven Carmack	Date Extracted: 10/16/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 10/23/08-10/24/08

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3510C Analytical methods: SW8015B Work Order: 0810408

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	TPH-Bunker Oil (C10-C36)	DF	% SS
001A	B1W	W	86,e7,e2	730	820	1	101
002A	B3W	W	600,e4	ND	670	1	101
003A	B5W	W	470,e7,e2	1600	1700	2	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	100	µg/L
	S	NA	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.
e7) oil range compounds are significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38938 WorkOrder: 0810408

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0810380-003B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND<1.0	10	107	109	2.06	98.8	100	1.64	70 - 130	30	70 - 130	30
Benzene	ND<1.0	10	115	116	1.05	112	108	3.12	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND<4.0	50	87.7	94.7	7.72	72	76	5.30	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND<1.0	10	113	118	4.27	107	107	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND<1.0	10	110	114	3.49	102	102	0	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND<1.0	10	115	117	1.62	112	109	2.05	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND<1.0	10	128	129	0.675	120	119	0.759	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND<1.0	10	114	115	1.25	105	105	0	70 - 130	30	70 - 130	30
Toluene	ND<1.0	10	110	113	2.65	111	107	4.02	70 - 130	30	70 - 130	30
%SS1:	87	25	83	84	0.600	82	82	0	70 - 130	30	70 - 130	30
%SS2:	88	25	94	95	0.822	96	95	0.567	70 - 130	30	70 - 130	30
%SS3:	89	2.5	107	106	1.25	104	106	1.25	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38938 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810408-001B	10/15/08 10:30 AM	10/17/08	10/17/08 9:36 PM	0810408-002B	10/15/08 10:30 AM	10/17/08	10/17/08 10:14 PM
0810408-003B	10/15/08 10:00 AM	10/17/08	10/17/08 10:54 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38947 WorkOrder: 0810408

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0810399-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	90.8	89.2	1.76	105	108	2.84	70 - 130	20	70 - 130	20
MTBE	ND	10	93.4	90.4	3.30	82.1	89.1	8.17	70 - 130	20	70 - 130	20
Benzene	ND	10	88.2	88.1	0.103	84.1	95.2	12.4	70 - 130	20	70 - 130	20
Toluene	ND	10	85.6	85.9	0.351	82	94.6	14.2	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	91.1	91.7	0.652	83.8	95.3	12.8	70 - 130	20	70 - 130	20
Xylenes	ND	30	101	102	0.661	82.8	94.1	12.7	70 - 130	20	70 - 130	20
%SS:	93	10	94	93	0.658	98	111	12.0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38947 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810408-001A	10/15/08 10:30 AM	10/18/08	10/18/08 3:33 AM	0810408-002A	10/15/08 11:00 AM	10/17/08	10/17/08 9:43 PM
0810408-003A	10/15/08 10:00 AM	10/18/08	10/18/08 4:07 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38948 WorkOrder: 0810408

EPA Method SW8015B **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	108	108	0	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	113	112	1.17	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38948 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810408-001A	10/15/08 10:30 AM	10/16/08	10/23/08 3:35 PM	0810408-002A	10/15/08 11:00 AM	10/16/08	10/23/08 2:24 PM
0810408-003A	10/15/08 10:00 AM	10/16/08	10/24/08 2:15 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #AGLAS20020/0463; Allied Glass	Date Sampled: 10/17/08
		Date Received: 10/17/08
	Client Contact: Paul King	Date Reported: 10/23/08
	Client P.O.:	Date Completed: 10/23/08

WorkOrder: 0810454

October 23, 2008

Dear Paul:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#AGLAS20020/0463; Allied Glass,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

0810454

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER:	PROJECT NAME:
AGLAS20070/0463	Allied Glass Castro Valley

SAMPLED BY: (PRINTED AND SIGNATURE) Steve Carmack

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): ~~TPH(Modified 8015)~~ MBTEX, Fuel Oxys, 1,2 Dichloroethane	TPH-G	Dissolved Lead	PRESERVATIVE	REMARKS
~~B4W~~	~~10/9/08~~	~~0850~~	~~H_2O~~							Normal Turnaround Time
B1W	10/17/08	0905	H_2O		1			X		
B3W		0915			1			X		
B4W		0850			3	X	X			
B5W		0910			1			X		

ICE/t° 4 @ 3.9°C
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB N/A
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ✓
PRESERVATION: VOAS | O & G | METALS | OTHER

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	10/17/08	2:00	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	10/17/08	4:00	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 4
TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 6
LABORATORY: McCampbell Analytical
LABORATORY CONTACT: Angela Rydelius
LABORATORY PHONE NUMBER: (877) 252-9262
SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO

Results and billing to:
RGA Environmental, Inc.
paul.king@rgaenv.com
& invoice also to lisa.devitor@rgaenv.com

REMARKS: * Please filter & preserve polys prior to analysis *

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0810454 **ClientCode: RGAE**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608
(510) 658-6916 FAX (510) 834-0152

Email: paul.king@rgaenv.com; pdking0000@ao
cc: lisa.devito@rgaenv.com
PO:
ProjectNo: #AGLAS20020/0463; Allied Glass

Bill to:
Lisa Devito
RGA Environmental
1466 66th Street
Emeryville, CA 94608
lisa.devito@rgaenv.com

Requested TAT: 5 days

Date Received: **10/17/2008**
Date Printed: **10/20/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0810454-001	B1W	Water	10/17/2008 9:05	☐		A	A									
0810454-002	B3W	Water	10/17/2008 9:15	☐		A	A									
0810454-003	B4W	Water	10/17/2008 8:50	☐	A											
0810454-004	B5W	Water	10/17/2008 9:10	☐		A	A									

Test Legend:

1	Gas8260B_W	2	PBMS_DISS	3	PRDISSOLVED	4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #AGLAS20020/0463; Allied Glass	Date Sampled: 10/17/08
		Date Received: 10/17/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/20/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 10/20/08

TPH(g) & Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810454

					Reporting Limit for DF =1	
Lab ID	0810454-003A					
Client ID	B4W					
Matrix	W					
DF	10				S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	5000				NA	50
tert-Amyl methyl ether (TAME)	ND<12				NA	0.5
Benzene	ND<12				NA	0.5
t-Butyl alcohol (TBA)	160				NA	2.0
1,2-Dibromoethane (EDB)	ND<12				NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<12				NA	0.5
Diisopropyl ether (DIPE)	ND<12				NA	0.5
Ethylbenzene	320				NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<12				NA	0.5
Methyl-t-butyl ether (MTBE)	ND<12				NA	0.5
Toluene	170				NA	0.5
Xylenes	1300				NA	0.5
Surrogate Recoveries (%)						
%SS1:	87					
%SS2:	80					
%SS3:	87					
Comments						

* water and vapor samples are reported in µg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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RGA Environmental	Client Project ID: #AGLAS20020/0463; Allied Glass	Date Sampled: 10/17/08
		Date Received: 10/17/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/17/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 10/20/08

Lead by ICP-MS*

Extraction method E200.8 Analytical methods E200.8 Work Order: 0810454

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS
0810454-001A	B1W	W	DISS.	ND	1	N/A
0810454-002A	B3W	W	DISS.	0.99	1	N/A
0810454-004A	B5W	W	DISS.	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	DISS.	0.5	µg/L
	S	TOTAL	NA	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38961 WorkOrder: 0810454

EPA Method: SW8260B **Extraction: SW5030B** **Spiked Sample ID: 0810412-011B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	108	109	0.997	98.7	101	2.55	70 - 130	30	70 - 130	30
Benzene	ND	10	111	110	1.25	103	105	1.92	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	4.7	50	77.5	84.8	7.98	75.2	78	3.66	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	102	99.8	1.93	92.7	93.5	0.920	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	111	111	0	105	109	3.15	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	119	120	0.302	110	113	2.60	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	87.8	86.6	1.35	82.6	82.8	0.326	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	112	114	1.35	105	106	0.274	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	126	129	2.43	119	120	1.49	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	117	118	0.151	103	109	4.92	70 - 130	30	70 - 130	30
Toluene	ND	10	113	113	0	106	107	0.804	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	103	100	2.82	93.8	92.2	1.77	70 - 130	30	70 - 130	30
%SS1:	88	25	85	85	0	84	84	0	70 - 130	30	70 - 130	30
%SS2:	95	25	101	100	0.690	97	97	0	70 - 130	30	70 - 130	30
%SS3:	113	2.5	112	110	1.68	112	108	2.90	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38961 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810454-003A	10/17/08 8:50 AM	10/20/08	10/20/08 5:19 PM	0810454-003A	10/17/08 8:50 AM	10/20/08	10/20/08 6:54 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND conta significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38974 WorkOrder: 0810454

EPA Method: E200.8 **Extraction: E200.8** **Spiked Sample ID: 0810432-005B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	1.1	10	96.6	99.6	2.75	92.6	92.4	0.205	70 - 130	20	80 - 120	20
%SS:	91	750	96	96	0	91	94	2.94	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38974 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810454-001A	10/17/08 9:05 AM	10/17/08	10/20/08 9:59 PM	0810454-002A	10/17/08 9:15 AM	10/17/08	10/20/08 10:07 PM
0810454-004A	10/17/08 9:10 AM	10/17/08	10/20/08 10:16 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND conta significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #AGLAS20020/0463; Allied Glass	Date Sampled: 10/14/08
		Date Received: 10/27/08
	Client Contact: Paul King	Date Reported: 11/03/08
	Client P.O.:	Date Completed: 11/03/08

WorkOrder: 0810686

November 03, 2008

Dear Paul:

Enclosed within are:

1) The results of the **5** analyzed samples from your project: **#AGLAS20020/0463; Allied Glass,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

0810686

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER: 0463
AGLASS

PROJECT NAME: ALLIED GLASS COMPANY
20574 WISTERIA ST.
CASTRO VALLEY, CA

SAMPLED BY: (PRINTED AND SIGNATURE)
MICHAEL DESCHENES Michael Deschenes

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH (MULTI-RANGE) (8015 M) EPA 5030B AND MODIFIED EPA 8015	MTBE AND BTEX BY EPA 8260	FUEL OXYS + NAPHTHALENE BY 8260	TOTAL LEAD BY EPA 200.8	PRESERVATIVE	REMARKS
B1-10	10/14/08	09:55	SOIL		1	✓	✓	X	✓	ICE	~~Normal~~ ~~TAT~~ HOLD*
B2-10	"	09:25	"		1	✓	✓	X	✓	"	"
B3-10	"	08:55	"		1	✓	✓	X	✓	"	"
B4-10	"	10:15	"		1	✓	✓	X	✓	"	"
B5-10	"	11:10	"		1	✓	✓	X	✓	"	"

*taken off hold 10/21/08

ICE/t° 5.4
GOOD CONDITION yes APPROPRIATE
HEAD SPACE ABSENT CONTAINERS yes
DECHLORINATED IN LAB PRESERVED IN LAB
PRESERVATION VOAS | O & G | METALS | OTHER

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
Michael Deschenes	10/17/08	33	
~~RELINQUISHED BY: (SIGNATURE)~~	DATE	TIME	RECEIVED BY: (SIGNATURE)
	10/14/08	550	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 5
TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 5
LABORATORY: MC CAMPBELL ANALYTICAL
LABORATORY CONTACT: ANGELA RYDELINS
LABORATORY PHONE NUMBER: (877)252-9262
SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO

Results and billing to:
RGA Environmental, Inc.
paul.king@rgaenv.com

REMARKS:
ICE/t°
GOOD CONDITION APPROPRIATE
HEAD SPACE ABSENT CONTAINERS
DECHLORINATED IN LAB PRESERVED IN LAB
PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0810686 **ClientCode: RGAE**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608
(510) 658-6916 FAX (510) 834-0152

Email: paul.king@rgaenv.com; pdking0000@a
cc:
PO:
ProjectNo: #AGLAS20020/0463; Allied Glass

Bill to:
Lisa Devito
RGA Environmental
1466 66th Street
Emeryville, CA 94608
lisa.devito@rgaenv.com

Requested TAT: 5 days

Date Received: **10/27/2008**
Date Printed: **10/27/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0810686-001	B1-10	Soil	10/14/2008 9:55	☐	A	A	A									
0810686-002	B2-10	Soil	10/14/2008 9:25	☐	A	A	A									
0810686-003	B3-10	Soil	10/14/2008 8:55	☐	A	A	A									
0810686-004	B4-10	Soil	10/14/2008 10:15	☐	A	A	A									
0810686-005	B5-10	Soil	10/14/2008 11:10	☐	A	A	A									

Test Legend:

1	G-MBTEX_S	2	MBTEXOXY-8260B_S	3	PB_S	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A contain testgroup.

Prepared by: Rosa Venegas

Comments: Received 10/14/08, Taken off hold 10/27/08- RV

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **RGA Environmental**
Date and Time Received: **10/27/08 11:58:59 AM**

Project Name: **#AGLAS20020/0463; Allied Glass**
Checklist completed and reviewed by: Rosa Venegas

WorkOrder N°: **0810686** Matrix Soil
Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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RGA Environmental	Client Project ID: #AGLAS20020/0463; Allied Glass	Date Sampled: 10/14/08
		Date Received: 10/27/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/27/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 10/28/08-10/29/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods SW8015Cm Work Order: 0810686

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	B1-10	S	34,d9	5	103
002A	B2-10	S	79,d9	1	92
003A	B3-10	S	47,d9	1	113
004A	B4-10	S	23,d9	1	100
005A	B5-10	S	ND	1	96

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d9) no recognizable pattern

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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RGA Environmental	Client Project ID: #AGLAS20020/0463; Allied Glass	Date Sampled: 10/14/08
		Date Received: 10/27/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/27/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 10/27/08-10/29/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810686

Lab ID	0810686-001A	0810686-002A	0810686-003A	0810686-004A	Reporting Limit for DF =1	
Client ID	B1-10	B2-10	B3-10	B4-10		
Matrix	S	S	S	S		
DF	2	2	2	1	S	W
Compound	**Concentration**				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND<0.010	ND<0.010	ND<0.010	ND	0.005	NA
Benzene	ND<0.010	ND<0.010	ND<0.010	ND	0.005	NA
t-Butyl alcohol (TBA)	ND<0.10	ND<0.10	ND<0.10	ND	0.05	NA
1,2-Dibromoethane (EDB)	ND<0.0080	ND<0.0080	ND<0.0080	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND<0.0080	ND<0.0080	ND<0.0080	ND	0.004	NA
Diisopropyl ether (DIPE)	ND<0.010	ND<0.010	ND<0.010	ND	0.005	NA
Ethylbenzene	ND<0.010	ND<0.010	ND<0.010	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND<0.010	ND<0.010	ND<0.010	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.010	ND<0.010	ND<0.010	ND	0.005	NA
Toluene	ND<0.010	ND<0.010	ND<0.010	ND	0.005	NA
Xylenes	ND<0.010	ND<0.010	ND<0.010	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	81	84	81	83		
%SS2:	88	86	90	91		
%SS3:	---#	84	---#	126		
Comments	a3	a3	a3			

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content

Angela Rydelius, Lab Manager

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #AGLAS20020/0463; Allied Glass	Date Sampled: 10/14/08
		Date Received: 10/27/08
	Client Contact: Paul King	Date Extracted: 10/27/08
	Client P.O.:	Date Analyzed: 10/27/08-10/29/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810686

					Reporting Limit for DF =1	
Lab ID	0810686-005A					
Client ID	B5-10					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND				0.005	NA
Benzene	ND				0.005	NA
t-Butyl alcohol (TBA)	ND				0.05	NA
1,2-Dibromoethane (EDB)	ND				0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND				0.004	NA
Diisopropyl ether (DIPE)	ND				0.005	NA
Ethylbenzene	ND				0.005	NA
Ethyl tert-butyl ether (ETBE)	ND				0.005	NA
Methyl-t-butyl ether (MTBE)	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1:	101					
%SS2:	94					
%SS3:	104					
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content

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RGA Environmental	Client Project ID: #AGLAS20020/0463; Allied Glass	Date Sampled: 10/14/08
		Date Received: 10/27/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/27/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 10/29/08-10/30/08

Lead by ICP*

Extraction method SW3050B Analytical methods 6010C Work Order: 0810686

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS
0810686-001A	B1-10	S	TOTAL	16	1	96
0810686-002A	B2-10	S	TOTAL	6.6	1	93
0810686-003A	B3-10	S	TOTAL	7.3	1	93
0810686-004A	B4-10	S	TOTAL	9.9	1	86
0810686-005A	B5-10	S	TOTAL	7.6	1	98

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	5.0	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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Angela Rydelius, Lab Manager

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RGA Environmental	Client Project ID: #AGLAS20020/0463; Allied Glass	Date Sampled: 10/14/08
		Date Received: 10/27/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/27/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 10/30/08-11/03/08

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3550C Analytical methods SW8015B Work Order: 0810686

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	TPH-Bunker Oil (C10-C36)	DF	% SS
001A	B1-10	S	18,e11	ND	20	1	100
002A	B2-10	S	9.0,e11,e7	8.5	18	1	110
003A	B3-10	S	12,e11	ND	13	1	107
004A	B4-10	S	12,e11	ND	13	1	102
005A	B5-10	S	4.3,e7,e2	12	15	1	113

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	ug/L
	S	1.0	5.0	2.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant
e11) stoddard solvent/mineral spirit

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38125 WorkOrder: 0810686

EPA Method SW8015B **Extraction SW3550C** **Spiked Sample ID: 0810686-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	4.3	20	90.6	92.9	2.01	124	122	1.61	70 - 130	30	70 - 130	30
%SS:	113	50	109	112	2.46	113	111	1.27	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38125 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810686-001A	10/14/08 9:55 AM	10/27/08	11/02/08 2:32 AM	0810686-002A	10/14/08 9:25 AM	10/27/08	11/03/08 3:28 PM
0810686-003A	10/14/08 8:55 AM	10/27/08	10/30/08 8:36 PM	0810686-004A	10/14/08 10:15 AM	10/27/08	10/30/08 9:46 PM
0810686-005A	10/14/08 11:10 AM	10/27/08	10/30/08 10:57 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38132 WorkOrder: 0810686

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0810752-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	89.8	106	16.4	89	106	17.1	70 - 130	20	70 - 130	20
MTBE	ND	0.10	94	95.3	1.36	101	101	0	70 - 130	20	70 - 130	20
Benzene	ND	0.10	92.7	94.3	1.68	92.4	98.7	6.60	70 - 130	20	70 - 130	20
Toluene	ND	0.10	79.5	81.6	2.56	82.2	85.8	4.27	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	93.6	93.7	0.0582	91.9	95.6	3.93	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	85.5	86.6	1.16	90.1	92.8	2.98	70 - 130	20	70 - 130	20
%SS:	92	0.10	91	89	2.65	91	91	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38132 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810686-001A	10/14/08 9:55 AM	10/27/08	10/29/08 1:01 AM	0810686-002A	10/14/08 9:25 AM	10/27/08	10/28/08 1:12 AM
0810686-003A	10/14/08 8:55 AM	10/27/08	10/28/08 1:46 AM	0810686-004A	10/14/08 10:15 AM	10/27/08	10/28/08 2:20 AM
0810686-005A	10/14/08 11:10 AM	10/27/08	10/29/08 1:13 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39068 WorkOrder: 0810686

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0810667-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	78.5	75.9	3.24	85.6	88.7	3.55	60 - 130	30	60 - 130	30
Benzene	ND	0.050	97	93.8	3.37	97.7	95.3	2.45	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	70	71.2	1.64	82	92.8	12.3	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	85.3	83.2	2.52	91.8	90.5	1.48	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	94.5	87.8	7.36	94.9	103	7.98	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	86	83.8	2.52	89.4	93.6	4.62	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	92.5	88.7	4.21	98	104	6.07	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	74.9	71.3	5.01	82.5	88.4	6.86	60 - 130	30	60 - 130	30
Toluene	ND	0.050	108	106	1.24	111	106	3.96	60 - 130	30	60 - 130	30
%SS1:	81	0.12	79	78	1.92	80	82	2.37	70 - 130	30	70 - 130	30
%SS2:	94	0.12	87	87	0	87	86	1.14	70 - 130	30	70 - 130	30
%SS3:	95	0.012	93	93	0	85	87	1.19	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39068 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810686-001A	10/14/08 9:55 AM	10/27/08	10/29/08 3:51 AM	0810686-002A	10/14/08 9:25 AM	10/27/08	10/29/08 4:33 AM
0810686-003A	10/14/08 8:55 AM	10/27/08	10/29/08 5:16 AM	0810686-004A	10/14/08 10:15 AM	10/27/08	10/27/08 9:30 PM
0810686-005A	10/14/08 11:10 AM	10/27/08	10/29/08 11:56 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0810686

EPA Method 6010C **Extraction SW3050B** **BatchID: 38193** **Spiked Sample ID 0810686-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	9.9	50	98.9	93.7	4.48	10	88.8	95.2	7.01	75 - 125	20	80 - 120	20
%SS:	86	250	87	82	5.41	250	100	105	4.47	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38193 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810686-002A	10/14/08 9:25 AM	10/27/08	10/29/08 10:03 AM	0810686-003A	10/14/08 8:55 AM	10/27/08	10/29/08 10:06 AM
0810686-004A	10/14/08 10:15 AM	10/27/08	10/30/08 2:22 PM	0810686-005A	10/14/08 11:10 AM	10/27/08	10/29/08 10:10 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0810686

EPA Method 6010C **Extraction SW3050B** **BatchID: 39095** **Spiked Sample ID 0810590-006A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	ND	50	86.6	87.2	0.748	10	101	97.4	3.63	75 - 125	20	80 - 120	20
%SS:	91	250	90	88	1.27	250	97	91	7.01	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39095 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810686-001A	10/14/08 9:55 AM	10/27/08	10/29/08 9:59 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.