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By Alameda County Environmental Health at 12:19 pm, Dec 31, 2014

Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Document Transmittal
German Autocraft, 301 East 14th Street, San Leandro, California
AC LOP Case # 2783; Fuel Leak Case No. RO0000302; Global ID T0600100639

Dear Sir or Ma'am:

I declare, under penalty of perjury, that the information contained in the attached document / report are true and correct, to the best of my knowledge.

Sincerely,

Lee Seung
Owner, German Autocraft

STRATUS
ENVIRONMENTAL, INC.

3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

December 15, 2014
Project No. 2076-0301-01

Mr. Mark Detterman, P.G., C.E.G.
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: **Site Investigation Report**
German Autocraft Facility
301 East 14th Street
San Leandro, California

Dear Mr. Detterman:

Stratus Environmental, Inc. (Stratus) has prepared this *Site Investigation Report*, on behalf of Mr. Seung Lee, for the German Autocraft Facility (the Site), located at 301 East 14th Street, San Leandro, California (see Figures 1 and 2). Subsurface petroleum hydrocarbon impact to soil and groundwater has previously been identified in the vicinity of the site. In a *Technical Memo/Work Plan,* dated March 5, 2014, Stratus proposed further investigation of soil, groundwater, and soil vapor at the site and in the site vicinity. In addition, the *Technical Memo/Work Plan* proposed the installation of ozone injection wells onsite to begin *in-situ* chemical oxidation (ISCO) operations. In a letter dated April 28, 2014, Alameda County Environmental Health Department (ACEHD) conditionally approved the work proposed in the *Technical Memo/Work Plan*, but declined the need for off-site soil vapor sampling and postponed the initiation of ISCO remediation until after the current investigation.

The site has been under investigation for over 23 years. Site investigation has included approximately 50 soil borings, of which 15 have been converted to groundwater monitoring wells. The underground storage tank (UST) pit was over-excavated during 2011, to remove any remaining soil impact from the subsurface; no other remedial activities have been conducted.

This document summarizes historical environmental investigations completed at the site and available information relevant to the ongoing environmental case, such as site geology and hydrogeology and the known extent of subsurface hydrocarbon impact. The document will discuss the extent of petroleum hydrocarbon impact near the western and southwestern portions of the site and site vicinity, consider the risk to the human

populations possibly exposed to hydrocarbon impact, and describe the further assessment of the on- and off-site petroleum hydrocarbon impact to soil, groundwater, and soil vapor.

SITE DESCRIPTION

The property is located on the southern corner of the intersection of East 14th Street and Garcia Avenue in the City of San Leandro (Figure 2). Available records indicate that the property was used as a retail gasoline service station until 1981. According to historical documents prepared by previous consultants representing Mr. Lee, the property has been exclusively used for automotive repair since 1981. Mr. Lee purchased the property on April 15, 1985. In September 1990, six single-walled steel USTs (two 1,000-gallon and two 2,000-gallon USTs previously used to store unleaded gasoline, one 550-gallon UST previously used to store regular gasoline, and one 150-gallon UST previously used to store waste oil) were removed from the property and properly disposed. In addition, the fuel dispenser island and associated product lines were removed at that time. The general configuration of the site is shown on Figure 2. The area surrounding the site is mixed commercial and moderate density residential.

According to the State Water Resource Control Board's (SWRCB's) GeoTracker database, numerous other contaminated properties under the ACEHD's regulatory oversight are present in the immediate vicinity of German Autocraft. Sunshine Cleaners, a dry cleaning business located at 223 East 14th Street, approximately 130 feet north-northwest of the site, has had an open (but predominately inactive) environmental case since 1993; that site is currently in the assessment phase for chlorinated solvents. San Leandro Chrysler-Plymouth, formerly located at 232 East 14th Street, northeast across 14th Street from German Autocraft, had a leaking UST environmental case open until 1997. In addition, the former Monument Gas station, located at 111 East 14th Street, approximately 375 feet north-northwest of German Autocraft, had a leaking UST case open until 2005. The Monument Gas case assessed groundwater contamination offsite to the southeast of that site (along Farrelly Drive) until closure.

CASE HISTORY

Environmental investigations at the site began in September 1990, when the six former single-walled steel USTs were removed from the property and properly disposed. The five fuel storage USTs were formerly located in a common pit on the north side of the property adjacent to Garcia Avenue; the waste oil UST was located on the south side of the station building/garage. During removal of the USTs, The Environmental Construction Company (TECC) noted that both of the 1,000-gallon USTs and the 550-gallon UST had holes in them and showed signs of extensive corrosion. Soil staining was noted in both the main UST area and the waste-oil UST area during excavation. Following the removal of the

USTs and product lines, ten soil samples were collected from below the USTs, one soil sample from beneath the former piping, and three samples from stockpiled soil.

The main UST pit was excavated to approximately 44 feet long, by 16 feet wide, and 8 feet deep; the waste oil UST pit was excavated to approximately 6 feet by 5 feet, and 6 feet deep. Historical documentation appears to indicate that the soil excavated from the waste oil UST excavation was removed from the site. When the main UST area excavation was completed, TECC lined the excavation area with plastic, placed the excavated soil back in the excavation pit, and covered it with plastic as an intended temporary containment measure. Analytical results of soil samples collected during the UST removal activities indicated the presence of highly impacted soil (total petroleum hydrocarbons as gasoline [TPHg]/gasoline-range organics [GRO] and benzene, toluene, ethylbenzene, and total xylenes [BTEX] only) in the main UST pit. No detectable concentrations of GRO, total petroleum hydrocarbons as diesel (TPHd)/diesel-range organics (DRO), BTEX, oil and grease, or purgeable halocarbons were reported in the soil sample collected at the base of the waste oil UST excavation (though stockpile samples of excavated soil indicated some oil and grease impact).

In December 1990, TECC advanced three onsite soil borings (B-1, B-2, and B-3) to depths of about 35 feet below ground surface (bgs) and installed one groundwater monitoring well (MW-1) screened (25 to 45 feet bgs) across first-encountered water (approximately 30 to 35 feet bgs) just northeast of the main former UST excavation. Soil and groundwater samples from these borings and the monitoring well indicated GRO and BTEX impact at all four locations. A table summarizing soil boring and well construction details is included as Table 1.

In December 1994 and January 1995, Chemist Enterprises (renamed in 1995 as Environmental Testing and Management [ETM]) advanced two additional onsite soil borings (CE-1 and CE-2) and installed two additional onsite groundwater monitoring wells (MW-2 and MW-3) to further evaluate soil and groundwater impact. Boring CE-2 was advanced within the former UST excavation/backfill to assess impact directly beneath the former USTs. Soil and groundwater impact were found to be highest within the smear zone and at the water table surface (approximately 20 to 30 feet bgs).

In June 1994, Mr. Lee applied and was accepted in the SWRCB's UST Cleanup Fund as a priority B claimant.

In August 1995, following the detection of liquid-phase hydrocarbons (LPH) in boring CE-1, one additional groundwater monitoring well (MW-4) was installed by ETM within the former UST excavation for the purpose of removing LPH. LPH was reported in well MW-4 after development; a passive skimmer system was subsequently installed in the well for removal of LPH. The thickness of LPH at well MW-4 prior to installation of the

skimmer system on September 22, 1995, was 0.10 feet. The skimmer system was maintained between September 1995 and June 1998, during which time, no measurable quantities of LPH were reportedly removed from well MW-4 (only water with a hydrocarbon sheen). Following numerous attempts to redevelop the well and extract additional LPH from the vicinity of well MW-4, the skimmer system was removed and the well was added to the regular monitoring and sampling program. During the third quarter 1995, a routine quarterly groundwater monitoring and sampling program was established at the site.

Between November 1995 and April 1996, ETM advanced thirty-nine (39) additional on- and off-site soil borings (ETM-1 through ETM-40, with ETM-16 attempted, but not completed) throughout the surrounding residential neighborhood. Soil conditions were logged in borings ETM-1, ETM-2, ETM-5, ETM-6, ETM-7, ETM-10, ETM-11, ETM-17, ETM-19, ETM-21, and ETM-22. Soil samples were collected for laboratory analyses from borings ETM-1, ETM-2, and ETM-7. Grab groundwater samples were collected from all thirty-nine borings (except ETM-6 which did not yield water). Analytical results indicated hydrocarbon impact to groundwater was found to be extensive in the area downgradient (west-northwest) of the site; thirty of the thirty-eight grab groundwater samples were reported to contain GRO and/or benzene. In addition, LPH was reported during the sampling of boring ETM-38, located on West Broadmoor Boulevard, approximately 320 feet northwest of the site. Well MW-1A was later installed immediately adjacent to boring ETM-38, and no LPH have been noted in this well during historical monitoring.

While canvassing the neighborhood to acquire access to properties for the investigation, ETM discovered a private residential irrigation well located at the residence at 141 Farrelly Drive, approximately 440 feet northwest (downgradient) of the site. The owner of the well (and the property), Mr. Mitch Ramirez, had been using the well for landscape irrigation; upon the discovery of LPH in boring ETM-38, approximately 115 feet southeast of the 141 Farrelly Drive irrigation well, ACEHD requested that Mr. Ramirez discontinue use of his well. In April 1996, ETM collected a groundwater sample from the 141 Farrelly Drive well; results indicated the well was not impacted by petroleum hydrocarbons. With Mr. Ramirez's permission, the irrigation well was added to the periodic monitoring and sampling program.

In May 1997, the City of San Leandro contracted AllCal Property Services (AllCal) to install one groundwater monitoring well near the location of boring ETM-38. The well was designated MW-1, but is now referred to as MW-1A to avoid confusion with German Autocraft's onsite well MW-1. Initial sampling results of well MW-1A indicated GRO/BTEX impact (but LPH was not present).

In November 1997, the depression in the UST pits caused by the settling of the excavated soil was filled in with approximately 16 cubic yards of clayey silt soil and covered with Class II base rock.

In August 1998, ETM installed onsite monitoring well MW-5 and offsite monitoring wells MW-6, MW-8, MW-9, MW-10, and MW-11, to further evaluate the downgradient extent of GRO/BTEX impact in Garcia Avenue and the residential city block between Garcia Avenue and Broadmoor Boulevard. Well MW-7 was not installed due to a utility obstruction in Garcia Avenue. Initial analytical results from the wells indicated impact to all six new wells.

In January 2001, three additional off-site groundwater monitoring wells (MW-12, MW-13, and MW-14) were installed by ETM to continue delineation of the groundwater impact offsite. Initial analytical results from well MW-12 indicated impact; wells MW-13 and MW-14 indicated little to no impact to the southwest of the site in the vicinity of Lafayette Avenue.

In November 2007, Groundwater Cleaners, Inc. (GCI) prepared and submitted a *Corrective Action Plan* (CAP) that provided technical and cost effectiveness evaluations of monitored natural attenuation (MNA), soil excavation, dual phase extraction (DPE)/air sparging (AS), and bioremediation. Results of their evaluation indicated that DPE/AS would be most viable and cost-effective, and recommended that a 5-day DPE/AS pilot test be performed. In a letter dated December 28, 2007, ACEHD indicated their concurrence with the proposed DPE/AS feasibility study; however, due to the data gap related to potential risk associated with the vapor intrusion pathway, the ACEHD requested that further site characterization be performed; specifically, a soil vapor investigation. GCI prepared a *Work Plan for Soil Vapor Investigation*, dated February 14, 2008, and a *Work Plan for DPE/AS Feasibility Study*, dated February 15, 2008. Both work plans were conditionally approved by ACEHD in a letter dated October 23, 2008.

In January 2009, GCI advanced eight on- and off-site soil borings (SV-1 through SV-8) and collected grab groundwater samples. In immediately adjacent boreholes, GCI installed temporary dual-completion soil vapor sampling points (at depths of approximately 5.0 to 5.5 feet bgs and at approximately 12.5 to 14.0 feet bgs). The shallow points were installed within clayey soil, while the deeper points were placed across a 1-foot thick sandy unit identified during continuous core of the adjacent borings. Analytical results of the soil vapor samples were compared to the Regional Water Quality Control Board, San Francisco's (RWQCB-SF) Environmental Screening Levels (ESLs) established for commercial land use (for the onsite auto repair business) and residential land use (for the predominant off-site land use) for GRO, BTEX, and methyl tertiary butyl ether (MTBE). Analytical results of samples collected at the 5-foot depths did not exceed the onsite commercial or off-site residential ESLs, with the exception of SV-8 (which exceeded the

residential ESL for GRO) and SV-2 (which exceeded the residential ESL for benzene). Based on the results of the soil vapor sampling, GCI concluded that significant vertical attenuation is occurring and that results indicate that vapor intrusion concerns are unlikely based on commercial onsite and residential off-site uses.

In February and March 2009, GCI conducted the approved 5-day DPE remediation feasibility test at the site. DPE testing was performed using onsite wells MW-1, MW-2, MW-3, and MW-4, both individually and as a group, while using outlying wells MW-5, MW-6, and MW-8 to check for vacuum influences. GCI's *DPE/AS Feasibility Report,* dated March 31, 2009, stated that the DPE testing generally failed (too much water and not enough vapor flow) and concluded that only horizontal DPE wells would be appropriate (AS was never attempted). In response to this report, ACEHD issued a letter dated October 27, 2009, requesting a work plan for installation of DPE wells (and several additional items). GCI submitted a *Work Plan for Additional Investigation,* dated January 15, 2010, in which they partially addressed ACEHD's issues outlined in the October 2009 letter; ACEHD never formally reviewed the document, and shortly thereafter Stratus assumed consulting responsibilities for the site.

On July 22, 2010, a meeting was held between ACEHD and Stratus to review the current status of the project, to discuss the October 2009 ACEHD letter and GCI January 2010 response/work plan, and to discuss steps to immediately begin remediation efforts at the site. During this meeting, it was agreed that a Site Conceptual Model (SCM)/Interim Remedial Action Plan (IRAP) would be prepared and would include a comprehensive data tabulation of all historic work performed at the site, would identify data gaps that require additional work, would propose any additional onsite wells/borings needed to complete onsite lateral and vertical soil assessment, and would include a proposal to excavate impacted soil at the former UST area as a preliminary remedial step before the initiation of DPE remediation. This approach was agreed upon by ACEHD, and was meant to expedite ACEHD's review time on the SCM/IRAP.

On January 25, 2011, Stratus oversaw the destruction of two groundwater monitoring wells (MW-1 and MW-4), which were located within the limits of the proposed excavation. During the same drilling mobilization, Stratus directed the advancement of soil borings B-4 and B-5, to a depth of approximately 32 feet bgs. These borings were performed in order to assess subsurface conditions near a former fuel dispenser and waste oil UST. Between May 17 and June 17, 2011, Stratus oversaw the excavation of approximately 788 tons of soil from the former site UST area. The excavation extended to a maximum depth of about 12 feet below surface grade. After removing this soil, clean backfill material was placed within the excavation cavity. In November 2011, offsite well MW-6 was destroyed due to casing damage related to pavement subsidence and vehicle traffic. It was not deemed necessary to replace the well.

GEOLOGY

The site lies on the East Bay Plain approximately one mile west of the Oakland/San Leandro Hills and the northwest-trending Hayward Fault, and approximately three miles east of the San Francisco Bay. The site is at an elevation of approximately 50 feet above mean seal level (msl) with local topography predominately flat and sloping gently towards the west.

Local subsurface soil stratigraphy has been investigated by the drilling of approximately 50 vertical soil borings at the site and immediately surrounding area on behalf of Mr. Lee, which have been logged by an array of different geologists over the past 15+ years. Most of the historic borings were logged on 5-foot intervals, although the eight soil borings drilled in 2009 (SV-1 through SV-8) were continuously cored (to approximately 14 feet bgs). According to available geologic boring logs related to the site, subsurface soils have been logged to a maximum depth of approximately 45 feet bgs.

From the surface to approximately 25 feet bgs, the soil generally consists of fine-grained materials (clay and sandy clay). Beneath the upper fine-grained material, from approximately 25 to 35 feet bgs (ranging from 3 to 13 feet in apparent thickness), a sandy unit of apparent higher permeability is present (clayey and silty sands with some clean sands). It is within this sandy layer that groundwater is first encountered. In general, the sandy water-bearing unit appears to thicken and coarsen to the west and northwest of the site (offsite, downgradient). Notably, the sandy layer appears to be thin (to absent) in the center of the site property itself (B-1, B-2, B-3, MW-1, and ETM-7) and to the northeast of the site across 14th Avenue (ETM-10, ETM-11). Beneath the sandy water-bearing unit, additional fine-grained soils have been encountered (clays). In both the upper and lower clayey layers, thin (1 to 4 feet in apparent thickness), discontinuous, sandy layers are reportedly interbedded. Notably, within the thick upper section of vadose zone clays, an approximate 1-foot thick sand, clay with sand, clayey gravel. or gravelly clay was encountered between 11 and 14 feet bgs (targeted in deep soil gas sample locations).

HYDROGEOLOGY

A total of fifteen permanent groundwater monitoring wells (MW-1 through MW-6, MW-8 through MW-15, and MW-1A) have been screened to depths of between 20 and 40 feet bgs to monitor groundwater occurrence and quality in the first encountered water-bearing zone. The monitoring well array has included five onsite wells, and nine offsite wells spanning the city block west-northwest of the site, from Garcia Avenue to Broadmoor Boulevard (wells MW-1, MW-4, and MW-6 were destroyed in 2011). Historically, groundwater in the monitoring well array has been measured as shallow as 15.05 feet bgs to as deep as 30.25 feet bgs, with a historical average of about 25 feet bgs. Seasonal fluctuations in

water table levels on the order of 5 to 10 feet are typical. Lowest groundwater levels were observed in the early 1990's.

Historically, the dominant groundwater flow in the vicinity of the site has been generally west and west-northwest at an average gradient of approximately 0.002 foot per foot (ft/ft). However, onsite groundwater flow is variable, with a consistent secondary gradient to the southwest in the direction of well MW-2 from wells MW-1, MW-3, and MW-4.

CURRENT SITE INVESTIGATION ACTIVITIES

Stratus conducted the following activities during the site investigation:

- One new groundwater monitoring well (MW-15) was installed onsite. The new well was developed following installation and sampled.
- One shallow soil boring (B-6) was advanced onsite to evaluate shallow soil conditions.
- Five soil vapor sampling points (VP-1, VP-2, VP-7, VP-8, and VP-9) were installed onsite and sampled.
- Two borings (HP-1 and HP-2) were advanced off-site to collect soil and groundwater samples.

Details of these activities are presented below.

Pre-Field Activities

Following approval of the work plan by ACEHD personnel, the following pre-field activities were completed:

- Obtained well installation/drilling permits from Alameda County Public Works Department (ACPWD) (copy of permits included in Appendix B),
- Obtained an access agreement from the off-site property owner,
- Retained and scheduled a licensed C-57 drilling contractor,
- Prepared a site-specific health and safety plan for the site,
- Marked all boring locations, contacted Underground Service Alert to locate underground utilities in the vicinity of the work site, and
- Notified California Regional Water Quality Control Board (RWQCB), ACEHD, ACPWD, the site owner, the off-site property owner, and the off-site property tenant of the scheduled field activities.

All geologic work was conducted under the direct supervision of a State of California Professional Geologist (PG) and was conducted in accordance with standards established by the *Tri-Regional Board Staff Recommendations for Preliminary Investigation and Evaluation of Underground Tank Sites* (April 16, 2004) and RWQCB guidelines. A California-licensed C-57 well driller performed all drilling and well construction activities.

Field Activities

Groundwater Monitoring Well Installation

On September 25, 2014, a C-57 licensed drilling contractor (Penecore Drilling; License No. 906899) was subcontracted to advance soil boring MW-15 at the approximate location shown on Figure 2 using a hollow-stem auger drill rig equipped with 8-inch diameter augers. A Stratus geologist was onsite to oversee drilling and well construction work. Prior to mechanical drilling, the initial 5 feet of the boring were cleared with hand tools to reduce the possibility of damaging underground utilities. The boring was first advanced using a direct-push sampler equipped with 5-foot long, 1-1/2-inch diameter clear PVC sample liners. Well MW-15 was installed between the locations of wells MW-1 and MW-4, which were previously installed in and near the former UST pit, in order to monitor groundwater conditions under the UST pit. Boring MW-15 was advanced through the backfill of the 2011 excavation at the site, which was completed to 12 feet bgs, so soil samples were not collected until reaching 12 feet bgs.

Soil samples for laboratory analyses were collected by cutting 6 inches of the clear PVC liner containing soil from 15, 20, 25, 30 and 35 feet bgs. The ends of each sample were lined with Teflon sheets, capped, labeled, and placed in an ice-chilled cooler pending submittal, under chain-of-custody, to a state-certified analytical laboratory for analyses. All sampled soil was classified using the Unified Soil Classification System (USCS) and recorded, along with other pertinent geologic information, on a soil boring log. At those intervals in which a soil sample was selected to be sent for laboratory testing, an additional fraction of soil from the same interval was placed and sealed in plastic bags to allow the accumulation of volatile organic compound (VOC) vapors, if any, within the airspace in the bags. A portable photo-ionization detector (PID) was used to measure VOC concentrations from each sample in parts per million (ppm), and was recorded on the boring log.

Following the sampling of boring MW-15, the direct-push sampling apparatus was removed from the borehole and the borehole was reamed to a total depth of 35 feet bgs using 8-inch diameter hollow-stem augers. At the termination of the boring, a groundwater monitoring well was constructed within the annulus of the augers. Monitoring well MW-15 was constructed using 2-inch diameter PVC casing and 0.020-

inch machine slotted well screen placed from approximately 20 to 35 feet bgs then a filter pack of #3 sand was placed in the annular space around the well casing from the bottom of the well screen to approximately 2 feet above the top of the well screen. To provide a transition seal for the well, approximately 2 feet of bentonite chips were placed on top of the filter pack and hydrated. Neat Portland cement was used to backfill the remaining annular space around the well casing to surface grade. A watertight locking cap was placed on the top of the well casing, and a traffic-rated vault box was installed around the top of the well. Well construction details are summarized in Table 1 and illustrated on the log included in Appendix A.

Since part of the reason for the on-site investigation was to determine shallow soil conditions, on October 23, 2014, Stratus advanced boring B-6 outside the former UST area to 6 feet bgs using a hand auger. Soil samples were collected at 3 and 6 feet bgs using a slide hammer equipped with clean stainless-steel sample tubes. After collection, the samples were lined with Teflon sheets, capped, labeled, and placed in an ice-chilled cooler for transport to the laboratory. Boring and well construction logs, detailing soil stratigraphy, drilling conditions/notes, PID results, and all pertinent geologic and hydrogeologic data gathered, are included in Appendix A.

Soil Vapor Point Installation

On September 25, 2014, soil borings VP-1, VP-2, VP-7, VP-8, and VP-9 were advanced, at the locations shown on Figure 2, using a 3.5-inch diameter hand-auger and hand tools. Each boring was advanced to a total depth of approximately 6 feet bgs in order to be installed five feet below the foundation of surrounding buildings. At the termination of each borehole, a permanent soil vapor point was constructed. The soil vapor sampling points were constructed of a 3/8-inch long, ½-inch diameter, 50-micron porous stainless steel vapor implant connected to approximately 6 feet of ¼-inch outside diameter Teflon tubing. The screen intake was placed at a depth of approximately 5.5 feet bgs in each borehole. Each vapor implant was placed on top of a 6-inch layer of #3 sand, and then #3 sand was filled in the boring to approximately 6 inches above the vapor implant. Granulated bentonite was placed in the borehole and periodically hydrated in order to provide a transition seal for the vapor sampling points to surface grade, then an airtight compression fitting plug was placed on the end of the tubing, and traffic-rated well boxes were installed around the vapor point locations.

Off-site Soil Borings and Grab Groundwater Sampling

On September 26, 2014, soil borings HP-1 and HP-2 were advanced in the approximate locations shown on Figure 2. Each boring was first advanced using a direct-push sampler equipped with 5-foot long, 1-1/2-inch diameter clear PVC sample liners. The work plan specified that the soil borings would be advanced to the sand layer found elsewhere at

approximately 25 to 30 feet bgs, or at first-encountered groundwater. Boring HP-1 was advanced to 30 feet bgs without observing a distinctly sandy layer with groundwater, so it was deepened to 38 feet bgs. After collecting soil samples from that depth, the boring rods were retracted and the boring was left open to allow any groundwater to infiltrate the boring. Boring HP-2 was then advanced to 35 feet bgs before heavy soil moisture was detected in a clayey sand layer at approximately 27 feet bgs. At that time, boring HP-1 was sounded using a water meter and sufficient water for sampling had infiltrated into the boring. Grab groundwater samples were collected from each boring using a length of clean high-density polyethylene (HDPE) tubing with a new check-valve lowered into the groundwater and hand-pumped into HCl-preserved VOAs.

Soil samples for laboratory analyses were collected by cutting 6 inches of the clear PVC liner containing soil at 5-foot intervals from 15 feet bgs to total depth. The ends of each sample were lined with Teflon sheets, capped, labeled, and placed in an ice-chilled cooler pending submittal, under chain-of-custody, to a state-certified analytical laboratory for analyses. All sampled soil was classified using the Unified Soil Classification System (USCS) and recorded, along with other pertinent geologic information, on a soil boring log. At those intervals in which a soil sample was selected to be sent for laboratory testing, an additional fraction of soil from the same interval was placed and sealed in plastic bags to allow the accumulation of VOC vapors, if any, within the airspace in the bags. A portable PID was used to measure VOC concentrations from each sample in ppm, and was recorded on the boring log. Boring and well construction logs, detailing soil stratigraphy, drilling conditions/notes, PID results, and all pertinent geologic and hydrogeologic data gathered, are included in Appendix A.

Groundwater Monitoring Well Development and Sampling

On October 20, 2014, Stratus developed groundwater monitoring well MW-15. The well was developed by surging with a hand bailer followed by purging using a pump. Development continued, to the extent practical, until the discharged water ran clean and pH and conductivity measurements stabilized and approximately 10 well volumes had been purged, or until the well purged dry. Water levels, water-quality parameters (pH, temperature, conductivity), and discharged quantities were recorded periodically as development progressed. Well MW-15 was sampled on October 27, 2014. Field data sheets for the well development and sampling are included in Appendix C. Well MW-15 will be incorporated into the groundwater sampling schedule for the site.

Soil Vapor Sampling

Following the installation of the soil vapor points, Stratus monitored the precipitation totals in the area of the site. On October 23, 2014, cumulative rainfall as measured by the

American Meteorological Society in San Leandro, was less than 0.5 inches for the previous five days, so Stratus returned to the site to collect soil vapor samples.

Prior to purging or sampling the soil vapor points, a leak test was conducted to check for leaks in the aboveground sampling train. This test was done by evacuating the system with a 6-liter Summa canister and observing no loss of vacuum for approximately two to three minutes.

Following verification that the sampling train was as airtight as possible, purging of the soil vapor points was conducted to ensure that stagnant air was removed from the sampling system and that samples were representative of subsurface conditions. One purge volume (equal to the volume of the inside of the entire length of Teflon tubing used and the volume of void space in the sand pack around the probe tip) was calculated and recorded on field data sheets. Due to potential low-flow conditions due to fine-grained lithology, no step purge tests were conducted; instead the California Department of Toxic Substances Control (DTSC) default of three purge volumes was used. Purging was conducted using expendable Summa canisters.

Following purging of the ambient air at soil vapor points VP-1, VP-2, VP-7, VP-8, and VP-9, a second Summa canister was used to collect each soil vapor sample for laboratory analyses. During filling of the canisters, the flow rate was regulated to fill at a rate between 100 and 200 milliliters per minute (ml/min). During sampling, leak testing was performed via the application of a gaseous tracer (1,1-difluoroethane [1,1-DFA]) near connections in the sampling train to evaluate potential leaks of ambient air, and on the ground adjacent to the probe to evaluate soil column and probe construction breakthrough. Summa canisters were stored at ambient air temperature until delivered to a state-certified analytical laboratory for chemical analyses.

Surveying

California licensed professional land surveyors, Morrow Surveying of West Sacramento, California, has been contracted to survey the elevations and locations of the newly installed well, soil vapor sampling points, and other site features. The survey has not been completed, but updated well survey data (GEO_Z and GEO_XY) will be uploaded to the California State Water Resources Control Board's (SWRCB's) GeoTracker database upon completion.

Waste Management

Drill cuttings and wastewater generated during drilling activities were placed in properly labeled, DOT-approved, 55-gallon steel drums and stored on-site pending disposal. InStrat, Inc. of Rio Vista, California, has been contracted to transport the soil and

wastewater to licensed facilities for disposal. Copies of the waste disposal manifests will be submitted under separate cover, if requested.

Post-Field Activities

Laboratory Analyses

Soil and groundwater samples collected during this investigation were submitted under chain-of-custody to Alpha Analytical, Inc., a CADHS-certified laboratory, for chemical analyses. A total of 15 soil samples from borings MW-15, HP-1, HP-2, and B-6 were analyzed for the presence of GRO according to USEPA Method 8015B, and for BTEX, and naphthalene according to USEPA Method 8260B. Groundwater samples from well MW-15 and borings HP-1 and HP-2 were also analyzed for the presence of GRO according to USEPA Method 8015B, and for BTEX according to USEPA Method 8260B; grab groundwater samples from borings HP-1 and HP-2 were additionally analyzed for naphthalene according to USEPA Method 8260B.

Soil vapor samples collected during this investigation were submitted under chain-of-custody to Eurofins/Air Toxics, Ltd., a CADHS-certified laboratory, for chemical analyses. The samples from vapor points VP-1, VP-2, VP-7, VP-8, and VP-9 were analyzed for TPHg, BTEX, MTBE, naphthalene, and 1,1-DFA by USEPA Method TO-15.

Copies of laboratory analytical reports are included as Appendix E. Laboratory data (EDF format) has been uploaded to the California SWRCB's GeoTracker database; upload confirmation documentation is included in Appendix D. Soil analytical results are summarized on Table 2 (which also includes historical analytical data collected during previous investigations at the site), grab groundwater analytical results are included as Table 3, soil vapor sampling results are included as Table 4, and quarterly groundwater monitoring and analytical results are included as Table 5.

FINDINGS, DISCUSSION, AND RECOMMENDATIONS

Soil and groundwater samples collected during this assessment were analyzed for GRO, BTEX, and naphthalene. Soil and groundwater impact from the leaking USTs at the site occurred before the use of MTBE in commercial gasoline, so MTBE and other fuel oxygenates were not analyzed for in the samples collected. The samples were analyzed for naphthalene as part of the data collection process leading to environmental closure under the State Water Resources Control Board's Low-Threat Closure Policy (LTCP).

Soil Impact

Soil samples were collected from boring MW-15 at 5-foot intervals between 15 and 35 feet bgs; samples were not collected at shallower depths because the boring was advanced through clean backfill material from the 2011 over-excavation of the UST pit, which extended to approximately 12 feet bgs. The overexcavation did not uncover any soil impact, but soil impact from GRO, BTEX, and naphthalene was detected starting in the 20 foot bgs sample, near the elevation of the groundwater surface. The highest soil impact was reported in the samples from 25 and 30 feet bgs, with maximum reported concentrations of GRO (3,200 milligrams per kilogram [mg/kg] at 30 feet bgs), benzene (3.2 mg/kg at 25 feet bgs) and naphthalene (78 mg/kg at 25 mg/kg), although the concentrations were probably affected by the hydrocarbon concentrations in groundwater.

Boring B-6 was advanced on October 23, 2014, to compensate for the lack of shallow soil samples in boring MW-15; samples were collected at 3 and 6 feet bgs in order to analyze the soil outside the UST pit for petroleum hydrocarbons and naphthalene. The shallow-soil analysis is required as criteria for the SWRCB's LTCP, Part 3: Direct Contact and Outdoor Air Exposure. No reportable concentrations of hydrocarbons were detected in the samples from boring B-6.

Off-site, soil from borings HP-1 and HP-2 was analyzed from 25, 30, 33, and 38 feet bgs and 25, 30, 33, and 35 feet bgs, respectively. Low concentrations of GRO (6.7 mg/kg at 30 feet bgs and 4.6 mg/kg at 33 feet bgs) were reported in samples from boring HP-2; no other petroleum hydrocarbons were detected in soil samples from either boring.

Groundwater Impact

Newly-installed monitoring well MW-15 was sampled on October 27, 2014, following development. The MW-15 sample contained 71,000 micrograms per liter (µg/L) GRO and 140 µg/L benzene. In addition, 0.16 feet of free product was measured in well MW-15 during sampling. A sample collected from well MW-1 in September 2010 contained 75,000 µg/L GRO and 670-µg/L benzene. Prior to its destruction, well MW-1 was located near newly installed well MW-15.

Analysis of the grab groundwater samples from borings HP-1 and HP-2 corresponded with the soil sample analytical results from the borings: the groundwater sample from HP-1 did not contain any hydrocarbons, and the sample from boring HP-2 contained 340 µg/L of GRO. These results are similar to nearby groundwater monitoring well MW-8, which was sampled on September 3, 2014 as part of the third quarter semi-annual 2014 periodic monitoring event, and contained 700 µg/L GRO.

Soil Vapor Impact

Soil vapor points VP-1, VP-2, VP-7, and VP-8 were installed near the former locations of temporary vapor points SV-1, SV-2, SV-7, and SV-8, respectively, in order to repeat sampling from those locations, to compare pre- and post-excavation soil vapor concentrations. Vapor point VP-9 was installed near the on-site building. None of the soil vapor samples contained detectable concentrations of TPHg or BTEX, in contrast to the 2009 sampling of similar locations, when TPHg and benzene concentrations were reported near or above the residential ESLs in each location.

Discussion/Recommendations

The March 5, 2014 *Technical Memo/CAP* had several goals, some of which were addressed by this site assessment: to investigate on-site hydrocarbon impact to soil and groundwater by replacing the wells destroyed prior to the over-excavation remediation event, to collect soil and groundwater samples in the direction of the secondary groundwater flow direction, and to re-sample shallow soil vapor locations that previously had elevated concentrations. In order to measure on-site hydrocarbon impact, well MW-15 was installed in the former UST pit near former wells MW-1 and MW-4; boring B-6 was also advanced onsite to measure shallow soil concentrations outside of the former UST pit to collect data for LTCP criteria. Groundwater monitoring has shown evidence of a secondary groundwater flow direction to the southwest of the site, and borings HP-1 and HP-2 were advanced off-site to measure any soil and groundwater impact in that direction. Finally, elevated soil vapor concentrations were previously measured in temporary sampling points SV-1, SV-2, SV-7, and SV-8 (November 2009). Vapor points VP-1, VP-2, VP-7, and VP-8 were installed to re-sample those locations, and an additional soil vapor point (VP-9) was installed and sampled near the onsite building.

Onsite, hydrocarbon concentrations are limited to the saturated zone and the capillary fringe. No hydrocarbons were reported in any soil vapor samples collected at approximately six feet bgs. Soil samples analyzed from 3 and 6 feet bgs in boring B-6 contained no hydrocarbon impact, with laboratory detection limits of 0.0050 mg/kg for BTEX compounds, and 0.040 mg/kg for naphthalene. LTCP residential soil threshold concentrations at 0 to 5 feet bgs are 1.9 mg/kg for benzene, 21 mg/kg for ethylbenzene, and 9.7 mg/kg for naphthalene, which are at least 3 orders of magnitude higher than the detection limits for the samples from B-6. Soil and groundwater samples from boring/well MW-15 did contain hydrocarbon impact, with free product detected and groundwater concentrations exceeding any of the results of the most recent groundwater monitoring event (140 µg/L benzene versus 44 µg/L benzene in well MW-10).

Off-site, soil and groundwater samples did not indicate strong evidence of migration of impact to the southwest of the site. Samples from boring HP-1 did not indicate petroleum hydrocarbon impact, and the samples from boring HP-2 were similar to that of monitoring well MW-8, located approximately 30 feet north of the boring. No benzene was detected in the off-site borings.

Unsurprisingly, the highest concentrations of soil and groundwater impact at the site are beneath the former UST pit. Although minimal, the detection of free product in well MW-15 requires further monitoring. The *Technical Memo/CAP* originally proposed installation of three ozone-injection wells to remediate the former UST pit area. Stratus proposes moving forward with the ozone injection remediation plan if a downward trend in groundwater impact is not seen over time in well MW-15.

LIMITATIONS

This report was prepared in general accordance with accepted standards of care that existed at the time this work was performed. No other warranty, expressed or implied, is made. Conclusions and recommendations are based on field observations and data obtained from this work and previous investigations. It should be recognized that definition and evaluation of geologic conditions is a difficult and somewhat inexact science. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies may be performed to reduce uncertainties. This report is solely for the use and information of our client unless otherwise noted.

If you have any questions or comments concerning this report, please contact Trevor Hartwell at (530) 313-9966.

Sincerely,
STRATUS ENVIRONMENTAL, INC.

Allan Dudding
Project Geologist

Trevor M. Hartwell, P.G.
Project Manager

Attachments:

Table 1	Well Construction Details
Table 2	Soil Analytical Results
Table 3	Grab Groundwater Sample Analytical Results
Table 4	Soil Vapor Analytical Results
Table 5	Groundwater Elevation and Analytical Summary
Figure 1	Site Location Map
Figure 2	Site Plan
Appendix A	Boring Logs / Well Construction Details
Appendix B	Well Installation Permits
Appendix C	Field Data Sheets
Appendix D	Geotracker Upload Confirmations
Appendix E	Analytical Reports and Chain-of-Custody Documentation

TABLE 1
WELL CONSTRUCTION DETAILS
German Autocraft, 301 E. 14th Street, San Leandro, California

Boring/Well I.D.	Date	Boring Depth (feet bgs)	Boring Diameter (inches)	Well Diameter (inches)	Well Depth (feet)	Screen Interval (feet bgs)	Slot Size (inches)	Drilling Method	Consultant
Groundwater Monitoring Wells									
MW-1*	12/17/91	45	8	2	45	25-45	0.02	HSA	Environmental Const. Co.
MW-2	12/12/94	38	8	2	34	24-34	0.010	HSA	Chemist Enterprises
MW-3	12/12/94	38	8	2	35.5	25.5-35.5	0.010	HSA	Chemist Enterprises
MW-4*	08/31/95	36.5	8	2	34	24-34	0.010	HSA	Chemist Enterprises
MW-1A	05/21/97	35	8	2	35	20-35	0.010	HSA	ALLCAL Prop. Serv. Inc.
MW-5	08/28/98	31.5	8	2	30	20-30	0.020	HSA	Env. Testing & Mgmt.
MW-6**	08/27/98	36.5	8	2	35	20-35	0.020	HSA	Env. Testing & Mgmt.
MW-8	08/27/98	31.5	8	2	30	20-30	0.020	HSA	Env. Testing & Mgmt.
MW-9	08/31/98	36.5	8	2	35	20-35	0.020	HSA	Env. Testing & Mgmt.
MW-10	08/28/98	41.5	8	2	40	20-40	0.020	HSA	Env. Testing & Mgmt.
MW-11	08/28/98	36.5	8	2	35	20-35	0.020	HSA	Env. Testing & Mgmt.
MW-12	01/30/01	39.5	8	2	38	23-38	0.020	HSA	Env. Testing & Mgmt.
MW-13	01/30/01	39.5	8	2	38	23-38	0.020	HSA	Env. Testing & Mgmt.
MW-14	01/31/01	31.5	8	2	30	20-30	0.020	HSA	Env. Testing & Mgmt.
MW-15	09/25/14	35	8	2	35	20-35	0.020	HSA	Stratus Environmental, Inc.
141 Farrelly	1949	--	--	6	65	25-65	unknown	unknown	
Soil Borings [1]									
B-1	12/11/90	35	8	--	--	--	--	HSA	Environmental Const. Co.
B-2	12/10/90	35	8	--	--	--	--	HSA	Environmental Const. Co.
B-3	12/10/90	35	8	--	--	--	--	HSA	Environmental Const. Co.
CE-1	12/13/94	30	8	--	--	--	--	HSA	Chemist Enterprises
CE-2	12/13/94	24.5	8	--	--	--	--	HSA	Chemist Enterprises
ETM-1	11/28/95	37	1	--	--	--	--	Geoprobe	Env. Testing & Mgmt.
ETM-2	11/28/95	30	1	--	--	--	--	Geoprobe	Env. Testing & Mgmt.
ETM-5	29/95	27	1	--	--	--	--	Geoprobe	Env. Testing & Mgmt.
ETM-6	11/29/95	29	1	--	--	--	--	Geoprobe	Env. Testing & Mgmt.
ETM-6	11/29/95	28	1	--	--	--	--	Geoprobe	Env. Testing & Mgmt.
ETM-10	11/30/95	27.3	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.
ETM-11	11/30/95	27.3	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.
ETM-17	03/25/96	30	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.
ETM-19	03/25/96	30	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.
ETM-21	03/26/96	24.5	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.
ETM-22	03/26/96	24.5	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.

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Soil Borings [1]									
B-4	01/24/11	32	1.5	--	--	--	--	Geoprobe	Stratus Environmental, Inc.
B-5	01/24/11	32	1.5	--	--	--	--	Geoprobe	Stratus Environmental, Inc.
B-6	10/23/14	6	3	--	--	--	--	Hand Auger	Stratus Environmental, Inc.
HP-1	09/26/14	38	2.5	--	--	--	--	Geoprobe	Stratus Environmental, Inc.
HP-2	09/26/14	35	2.5	--	--	--	--	Geoprobe	Stratus Environmental, Inc.
Soil Vapor Points									
SV-1	01/06/09	30	2	0.25	6.0	5.5-6.0	--	Stratoprobe	Groundwater Cleaners, Inc.
					13.5	13.0-13.5	--		
SV-2	01/06/09	30	2	0.25	6.0	5.5-6.0	--	Stratoprobe	Groundwater Cleaners, Inc.
					13.0	12.5-13.0	--		
SV-3	01/08/09	30	2	0.25	5.5	5.0-5.5	--	Stratoprobe	Groundwater Cleaners, Inc.
					13.5	13.0-13.5	--		
SV-4	01/08/09	14.5	2	0.25	5.25	4.75-5.25	--	Stratoprobe	Groundwater Cleaners, Inc.
					14.5	14.0-14.5	--		
SV-5	01/07/09	24	2	0.25	5.25	4.75-5.25	--	Stratoprobe	Groundwater Cleaners, Inc.
					14.0	13.5-14.0	--		
SV-6	01/07/09	35	2	0.25	5.5	5.0-5.5	--	Stratoprobe	Groundwater Cleaners, Inc.
					12.0	11.5-12.0	--		
SV-7	01/06/08	30	2	0.25	6.0	5.5-6.0	--	Stratoprobe	Groundwater Cleaners, Inc.
					13.0	12.5-13.0	--		
SV-8	01/08/09	14	2	0.25	5.25	4.75-5.25	--	Stratoprobe	Groundwater Cleaners, Inc.
					14.0	13.5-14.0	--		
VP-1	09/25/14	6	2	0.25	6.0	5.5	--	Geoprobe	Stratus Environmental, Inc.
VP-2	09/25/14	6	2	0.25	6.0	5.5	--	Geoprobe	Stratus Environmental, Inc.
VP-7	09/25/14	6	2	0.25	6.0	5.5	--	Geoprobe	Stratus Environmental, Inc.
VP-8	09/25/14	6	2	0.25	6.0	5.5	--	Geoprobe	Stratus Environmental, Inc.
VP-9	09/25/14	6	2	0.25	6.0	5.5	--	Geoprobe	Stratus Environmental, Inc.

Notes:
ft bgs = feet below ground surface
HSA = hollow stem auger
* = monitoring wells properly destroyed on January 25, 2011
** = monitoring well properly destroyed on November 21, 2011
[1] = soil borings without existing boring logs and/or construction details have been omitted.

TABLE 2
SOIL ANALYTICAL RESULTS
German Autocraft, 301 East 14th Street, San Leandro, California

Sample ID	Date Collected	Sample Depth (feet)	DRO (mg/Kg)	ORO (mg/Kg)	GRO (mg/Kg)	Oil & Grease (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	TBA (mg/Kg)	MTBE (mg/Kg)	DIPE (mg/Kg)	ETBE (mg/Kg)	TAME (mg/Kg)	EDB (mg/Kg)	1,2-DCA (mg/Kg)	Total Lead (mg/Kg)	Naph-thalene (mg/Kg)
T-1-1	10/1/1990	10	--	--	840	--	0.51	5.4	6.8	13	--	--	--	--	--	--	--	--	--
T-1-2	10/1/1990	10	--	--	360	--	2.6	2.9	3.2	5.1	--	--	--	--	--	--	--	--	--
T-2-1	10/1/1990	10	--	--	33	--	0.35	0.43	0.55	0.93	--	--	--	--	--	--	--	--	--
T-2-2	10/1/1990	10	--	--	11	--	0.057	0.038	0.12	0.26	--	--	--	--	--	--	--	--	--
T-3-1	10/1/1990	10	--	--	360	--	0.41	0.27	1.7	3.9	--	--	--	--	--	--	--	--	--
T-4-1	10/1/1990	10	--	--	7.1	--	0.018	0.011	0.10	0.21	--	--	--	--	--	--	--	--	--
T-4-2	10/1/1990	10	--	--	35	--	0.047	0.014	0.47	0.85	--	--	--	--	--	--	--	--	--
T-5-1	10/1/1990	10	--	--	47	--	0.013	0.017	0.15	0.46	--	--	--	--	--	--	--	--	--
T-5-2	10/1/1990	10	--	--	<2.5	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
T-6-1	10/1/1990	7	<5	--	<2.5	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
PI-1	11/2/1990	3	--	--	<2.5	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
CGS-1	10/1/1990	--	--	--	36	--	<0.005	0.10	1.4	0.31	--	--	--	--	--	--	--	--	--
CGS-2	10/1/1990	--	--	--	75	--	<0.005	0.059	0.13	0.39	--	--	--	--	--	--	--	--	--
CGS-3	10/1/1990	--	<5	--	<2.5	970	0.0098	0.010	0.043	0.0083	--	--	--	--	--	--	--	--	--
B1	12/11/1990	12	--	--	1.7	--	<0.005	<0.005	0.0098	0.029	--	--	--	--	--	--	--	--	--
		35	--	--	510	--	4.8	1.7	9.6	9.6	--	--	--	--	--	--	--	--	--
B2	12/10/1990	12	--	--	4.7	--	0.010	0.060	0.083	0.012	--	--	--	--	--	--	--	--	--
		35	--	--	10	--	0.86	0.90	0.31	0.38	--	--	--	--	--	--	--	--	--
B3	12/10/1990	28	--	--	2,100	--	63	130	50	70	--	--	--	--	--	--	--	--	--
		35	--	--	1,700	--	1.4	1.9	11	8.2	--	--	--	--	--	--	--	--	--
MW-1	12/17/1990	25	--	--	40	--	0.021	0.290	0.150	0.280	--	--	--	--	--	--	--	--	--
		35	--	--	6.6	--	<0.005	0.035	0.011	0.027	--	--	--	--	--	--	--	--	--
MW-2	12/12/1994	31	--	--	6,300	--	110	65	190	310	--	--	--	--	--	--	--	4.5	--
		36	--	--	0.77	--	0.015	0.006	0.038	0.085	--	--	--	--	--	--	--	4.9	--
MW-3	12/12/1994	21[1]	--	--	0.074	--	0.024	0.013	<0.005	0.007	--	--	--	--	--	--	--	6.5	--
		21[1]	--	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	5.5	--
		26	--	--	6.8	--	0.16	0.033	0.16	0.21	--	--	--	--	--	--	--	6.2	--
		31	--	--	420	--	7.0	3.9	13	37	--	--	--	--	--	--	--	5.5	--
		36	--	--	0.86	--	0.10	0.007	0.037	0.078	--	--	--	--	--	--	--	6.2	--
		37.5	--	--	<0.5	--	0.058	0.009	0.018	0.035	--	--	--	--	--	--	--	<4.0	--

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Sample ID	Date Collected	Sample Depth (feet)	DRO (mg/Kg)	ORO (mg/Kg)	GRO (mg/Kg)	Oil & Grease (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	TBA (mg/Kg)	MTBE (mg/Kg)	DIPE (mg/Kg)	ETBE (mg/Kg)	TAME (mg/Kg)	EDB (mg/Kg)	1,2-DCA (mg/Kg)	Total Lead (mg/Kg)	Naph-thalene (mg/Kg)
CE1	12/13/1994	6	--	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	6.0	--
		11	--	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	7.9	--
		16	--	--	<0.5	--	<0.005	0.008	<0.005	<0.005	--	--	--	--	--	--	--	7.1	--
		21	--	--	94	--	1.1	1.3	2.4	5.1	--	--	--	--	--	--	--	7.0	--
		26	--	--	160	--	5.6	6.6	7.3	16	--	--	--	--	--	--	--	6.3	--
CE2	12/13/1994	5	--	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	23.5	--
		10	--	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	5.7	--
		15	--	--	57	--	<0.005	<0.005	0.59	1.8	--	--	--	--	--	--	--	4.1	--
		20	--	--	1,600	--	7.1	75	41	170	--	--	--	--	--	--	--	12.4	--
MW-4	8/31/1995	0-36.5[2]	--	--	540	--	6.2	3.1	6.8	19	--	--	--	--	--	--	--	<0.40	--
MW-1A	5/21/1997	20	--	--	<1	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
ETM-1	11/28/1995	17	--	--	16	--	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--	--
		22	--	--	8.4	--	0.029	<0.005	0.055	0.067	--	--	--	--	--	--	--	--	--
		24	--	--	76	--	0.82	1.8	2.8	3.8	--	--	--	--	--	--	--	--	--
		25.5	--	--	370	--	9.6	10	11	18	--	--	--	--	--	--	--	--	--
ETM-2	11/28/1995	22	--	--	0.54	--	0.026	<0.005	0.012	0.010	--	--	--	--	--	--	--	--	--
ETM-7	11/28/1995	23	--	--	<0.50	--	<0.005	<0.005	<0.005	0.011	--	--	--	--	--	--	--	--	--
		26	--	--	1.1	--	0.019	0.017	0.029	0.036	--	--	--	--	--	--	--	--	--
MW-5	8/28/1998	21	--	--	<1	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
MW-8	8/27/1998	21	--	--	<1	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
		31	--	--	1.3	--	0.0052	<0.005	<0.005	0.006	--	--	--	--	--	--	--	--	--
MW-9	8/31/1998	21	--	--	<1	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
		36	--	--	<1	--	<0.019	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
MW-10	8/28/1998	21.5	--	--	<1	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
		31	--	--	<1	--	0.0054	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
MW-11	8/28/1998	21	--	--	<1	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
MW-12	1/30/2001	26.5	--	--	<1	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
MW-13	1/30/2001	26.5	--	--	<1	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--
MW-14	1/30/2001	26.5	--	--	<1	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--

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SOIL ANALYTICAL RESULTS
German Autocraft, 301 East 14th Street, San Leandro, California

Sample ID	Date Collected	Sample Depth (feet)	DRO (mg/Kg)	ORO (mg/Kg)	GRO (mg/Kg)	Oil & Grease (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	TBA (mg/Kg)	MTBE (mg/Kg)	DIPE (mg/Kg)	ETBE (mg/Kg)	TAME (mg/Kg)	EDB (mg/Kg)	1,2-DCA (mg/Kg)	Total Lead (mg/Kg)	Naph-thalene (mg/Kg)
B-4	01/24/11	4	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<0.020	<0.020	<0.020	<0.040	<0.020	**4.2**	--
	01/24/11	8	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<0.020	<0.020	<0.020	<0.040	<0.020	**7.0**	--
	01/24/11	12	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<0.020	<0.020	<0.020	<0.040	<0.020	**5.7**	--
	01/24/11	24	---	---	**1.0**	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<0.020	<0.020	<0.020	<0.040	<0.020	**8.8**	--
	01/24/11	32	---	---	**2,400**	---	<0.50 [1]	<0.50 [1]	**27**	**89.6**	<50 [1]	<0.50 [1]	<1.0 [1]	<1.0 [1]	<1.0 [1]	<4.0 [1]	<1.0 [1]	**13.0**	--
B-5	01/24/11	4	**23 [2]**	**150**	<1.0	**95**	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<0.020	<0.020	<0.020	<0.040	<0.020	**14.0**	--
	01/24/11	8	<10	<10	<1.0	<50	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<0.020	<0.020	<0.020	<0.040	<0.020	**7.3**	--
	01/24/11	12	<10	<10	<1.0	<50	<0.0050	<0.0050	<0.0050	**0.0055**	<0.50	<0.0050	<0.020	<0.020	<0.020	<0.040	<0.020	**5.2**	--
	01/24/11	24	<10	<10	<1.0	<50	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<0.020	<0.020	<0.020	<0.040	<0.020	**7.9**	--
	01/24/11	32	<10	<10	**9.0**	<50	<0.0050	<0.0050	<0.0050	**0.0061**	<0.50	<0.0050	<0.020	<0.020	<0.020	<0.040	<0.020	**6.9**	--
MW-15	09/25/14	15	--	--	<1.0	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040
	09/25/14	20	--	--	**71**	--	**0.063**	<0.020 [1]	**0.57**	**0.59**	--	--	--	--	--	--	--	--	**0.92**
	09/25/14	25	--	--	**2,300**	--	**3.2**	**210**	**85**	**450**	--	--	--	--	--	--	--	--	**78**
	09/25/14	30	--	--	**3,200**	--	**2.1**	**90**	**86**	**430**	--	--	--	--	--	--	--	--	**36**
	09/25/14	35	--	--	**620**	--	<0.20 [1]	<0.20 [1]	**0.71**	**2.34**	--	--	--	--	--	--	--	--	**4.6**
HP-1	09/26/14	25	--	--	<1.0	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040
	09/26/14	30	--	--	<1.0	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040
	09/26/14	33	--	--	<1.0	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040
	09/26/14	38	--	--	<1.0	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040
HP-2	09/26/14	25	--	--	<1.0	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040
	09/26/14	30	--	--	**6.7**	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040
	09/26/14	33	--	--	**4.6**	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040
	09/26/14	35	--	--	<1.0	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040
B-6	10/23/14	3	--	--	<1.0	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040
	10/23/14	6	--	--	<1.0	--	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	<0.040

Notes:

--- = not measured or not analyzed

DRO = Diesel Range Organics C13-C22

ORO = Oil Range Organics C22-C40+

GRO = Gasoline Range Organics C4-C13

MTBE = Methyl tertiary butyl ether

TBA = Tertiary butyl alcohol

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

EDB = 1,2-Dibromoethane

mg/Kg miligrams per kilogram

Analytical Methods:

DRO, ORO & GRO analyzed according to EPA Method 8015B

BTEX, MTBE, TBA, DIPE, ETBE, TAME, 1,2-DCA and EDB analyzed according to EPA Method 8260B

Total lead analyzed according to EPA Method SW6020

Oil & Grease analyzed according to EPA Method 1664A

Laboratory Qualifiers/Flags/Notes:

[1] Reporting limits were increased due to high concentrations of target analytes.

[2] DRO concentration may include contributions from heavier-end hydrocarbons that elute in the DRO range.

TABLE 3
GRAB GROUNDWATER SAMPLE ANALYTICAL RESULTS
German Autocraft, 301 E. 14th Street, San Leandro, California

Sample Number	Date Collected	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE[2] (µg/L)	Naph-thalene (µg/L)	Total Lead (µg/L)
B-2-WTR	12/10/90	28,000	5,600	1,300	680	980	--	--	--
CE1-W1[3,4]	12/13/94	2,600,000	86,000	110,000	65,000	220,000	--	--	3,270
CE1-W2[3,4]	12/13/94	15,000,000	260,000	550,000	340,000	1,500,000	--	--	--
CE2-W1	12/13/94	3,200,000	50,000	230,000	60,000	290,000	--	--	4,640
ETM-1[3]	11/28/95	110,000	1,600	2,200	4,000	5,900	--	--	--
ETM-1[3]	11/28/95	410,000	2,300	1,800	10,000	37,000	--	--	--
ETM-2	11/28/95	140,000	1,700	2,300	6,200	16,000	--	--	--
ETM-3	11/28/95	6,200	47	110	130	120	--	--	--
ETM-4	11/28/95	1,200,000	12,000	24,000	25,000	94,000	--	--	--
ETM-5[3]	11/29/95	170	<0.50	<0.50	<0.50	1.4	--	--	--
ETM-5[3]	11/29/95	170	<0.50	<0.50	<0.50	2.0	--	--	--
ETM-7	11/29/95	160,000	1,500	1,800	3,700	4,500	--	--	--
ETM-8	12/08/95	1,300	18	24	37	36	<50	--	--
ETM-9[3]	11/30/95	2,500	22	36	68	45	--	--	--
ETM-9[3]	11/30/95	1,900	18	32	57	45	--	--	--
ETM-10	11/30/95	<50	<0.50	<0.50	<0.50	1.0	--	--	--
ETM-11[3]	12/01/95	<50	<0.50	<0.50	<0.50	<0.50	--	--	--
ETM-11[3]	12/01/95	<50	<0.50	<0.50	<0.50	<0.50	--	--	--
ETM-12	12/01/95	200	5.9	3.9	3.0	44	--	--	--
ETM-13	12/01/95	220	<0.50	<0.50	<0.50	<0.50	--	--	--
ETM-14	12/01/95	120,000	930	2,000	6,200	22,000	--	--	--
ETM-15	12/01/95	<50	<0.50	<0.50	<0.50	1.0	--	--	--
ETM-17[3]	03/25/96	12,000	430	98	1,400	270	360	--	--
ETM-17[3]	03/25/96	15,000	650	190	1,600	320	670	--	--
ETM-18	03/25/96	2,600	19	5.3	93	100	84	--	--
ETM-19	03/25/96	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
ETM-20	03/25/96	700,000	7,300	10,000	1,500	3,500	<12,500	--	--
ETM-21[3]	03/26/96	70	<0.5	0.5	<0.5	1.4	70	--	--
ETM-21[3]	03/26/96	130	<0.5	<0.5	<0.5	0.6	<5.0	--	--
ETM-22	03/26/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--
ETM-23	03/26/96	22,000	470	<50	960	1,200	<500	--	--
ETM-24	03/26/96	3,700	18	170	190	140	80[J]	--	--
ETM-25	03/26/96	760	0.8	<0.5	<0.5	<0.5	<5.0	--	--
ETM-26[3]	03/27/96	180	<0.5	<0.5	<0.5	<0.5	<5.0	--	--
ETM-26[3]	03/27/96	170	<0.5	<0.5	<0.5	<0.5	<5.0	--	--
ETM-27	03/27/96	6,000	97	120	68	34	<250	--	--
ETM-28	03/27/96	540	32	2.6	4.4	2.0	13	--	--
ETM-29	03/27/96	35,000	880	640	2,300	6,900	1,200[J]	--	--
ETM-30	03/27/96	7,500	410	96	530	690	230	--	--
ETM-31	03/28/96	600	21	7.2	6.8	5.7	<5.0	--	--
ETM-32[3]	03/28/96	510	60	7.5	8.1	11	9.6[J]	--	--
ETM-32[3]	03/28/96	430	56	4.9	9.3	11	8.9[J]	--	--
ETM-33	03/28/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--
ETM-34	03/28/96	<50	<0.5	<0.5	<0.5	0.8	<5.0	--	--
ETM-35	03/28/96	70	1.3	<0.5	<0.5	0.8	<5.0	--	--
ETM-36	03/28/96	<50	0.6	<0.5	<0.5	1.3	<5.0	--	--
ETM-37	03/29/96	370,000	2,000	1,400	3,400	5,100	4,000[J]	--	--
ETM-38[4]	03/29/96	840,000,000	4,000,000	7,800,000	11,000,000	39,000,000	13,000,000	--	--
ETM-39[3]	03/29/96	<50	<0.5	<0.5	<0.5	1.3	<5.0	--	--
ETM-39[3]	03/29/96	60	<0.5	<0.5	<0.5	1.1	<5.0	--	--
ETM-40	03/29/96	<50	<0.5	<0.5	<0.5	0.8	<5.0	--	--

TABLE 3
GRAB GROUNDWATER SAMPLE ANALYTICAL RESULTS
German Autocraft, 301 E. 14th Street, San Leandro, California

Sample Number	Date Collected	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE[2] (µg/L)	Naph-thalene (µg/L)	Total Lead (µg/L)
SV-1	01/06/09	15,000[5]	1,600	23	890	680	<90	--	--
SV-2	01/06/09	82,000[5,6,7]	490	3,000	4,600	24,000	<1,000	--	--
SV-3	01/08/09	15,000[5,6,7]	24	77	54	28	<500	--	--
SV-4	01/08/09	3,900[5,7]	0.58	15	6	18	<5	--	--
SV-5	01/07/09	44,000[5,6,7]	480	470	1,700	7,100	<500	--	--
SV-6	01/07/09	4,200[5,7]	11	24	31	17	<5	--	--
SV-7	01/06/09	700[5,7]	1.5	9.3	1.1	4.2	<5	--	--
SV-8	01/08/08	860[5]	0.58	15	5.6	18	<5	--	--
HP-1	09/26/14	<50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--
HP-2	09/26/14	340	<0.50	<0.50	<0.50	<0.50	--	<2.0	--

Legend/Key:

GRO = Gasoline Range Organics C4-C13

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes

MTBE = Methyl tertiary butyl ether

µg/L = micrograms per liter

-- = not measured, not analyzed, or not available

Analytical Methods:

GRO analyzed according to EPA Method 8015B

BTEX and MTBE analyzed according to EPA Method 8021B.

Total Lead analyzed according to EPA Method 6010A

Laboratory Qualifiers/Flags/Notes:

1 = GRO reported as Total Petroleum Hydrocarbons as Gasoline (TPHg).

2 = MTBE values may be inaccurate. *Second Quarter 1996 Environmental Activities Report,* dated August 8, 1996 by Environmental Testing & Management casts doubt on the validity of MTBE detections.

3 = Duplicate samples.

4 = Liquid-phase hydrocarbons present during sampling at this location.

5 = Weakly modified or unmodified gasoline is significant.

6 = Sheen present in sample.

7 = Aqueous sample contains greater than ~1 vol % sediment.

J = Value reported below method detection limit, and is approximate.

TABLE 4
SOIL VAPOR ANALYTICAL RESULTS
German Autocraft, 301 East 14th Street, San Leandro, California

Sample ID	Date	Sample Depth (ft. bgs)	TPHg ($\mu g/m^3$)	Benzene ($\mu g/m^3$)	Toluene ($\mu g/m^3$)	Ethylbenzene ($\mu g/m^3$)	Xylenes ($\mu g/m^3$)	MTBE ($\mu g/m^3$)	Isopropyl Alcohol ($\mu g/m^3$)	Naphthalene ($\mu g/m^3$)	1,1-DFA ($\mu g/m^3$)
ESL[1]			50,000	42	160,000	490	52,000	4,700	*none*	0.36	*none*
SV-1	1/13/2009	5.5	7,600	<37	78	230	890	<42	<110	--	--
	1/13/2009	13.0	<950	<37	<44	<50	<50	<42	<110	--	--
SV-2	1/13/2009	5.5	7,600	270	50	<50	<50	<42	<110	--	--
	1/13/2009	12.5	8,300	<37	<44	<50	<50	<42	<110	--	--
SV-3	1/14/2009	5.0	9,500	<37	<44	<50	<50	<42	<110	--	--
	1/14/2009	13.0	<950	40	67	<50	60	<42	<110	--	--
QCSV-3[2]	1/14/2009	13.0	--	--	--	--	--	--	110,000[3]	--	--
SV-4	1/14/2009	5.0	<970	<38	<45	<52	<52	<43	<120	--	--
	1/14/2009	14.0	<950	<37	<44	<50	<50	<42	<110	--	--
SV-5	1/14/2009	5.0	<970	<38	<45	<52	<52	<43	<120	--	--
	1/14/2009	13.0	<970	76	120	<52	75	<43	<120	--	--
SV-6	1/14/2009	5.0	<990	<39	63	<52	85	<44	<120	--	--
	1/14/2009	11.5	3,900	44	130	<52	83	<44	<120	--	--
QCSV-6[2]	1/14/2009	11.5	--	--	--	--	--	--	79,000[3]	--	--
SV-7	1/13/2009	5.5	2,400	<36	280	270	950	<41	<110	--	--
	1/13/2009	12.5	660,000	67	170	440	1,440	<42	<110	--	--
SV-8	1/13/2009	5.0[4]	17,000	<36	340	530	2,090	<41	<110	--	--
	1/13/2009	5.0[4]	19,000	<36	320	500	1,870	<41	<110	--	--
	1/13/2009	13.5	35,000	<37	<44	<50	530	<42	<110	--	--
VP-1	10/23/2014	6.0	<230	<3.6	<4.2	<4.9	<4.9	<4.1	--	<24	<12
VP-2	10/23/2014	6.0	<220	<3.5	<4.1	<4.8	<4.8	<3.9	--	<23	<12
VP-7	10/23/2014	6.0	<220	<3.4	<4.1	<4.7	<4.7	<3.9	--	<23	<12
VP-8	10/23/2014	6.0	<250	<3.9	<4.6	<5.3	<5.3	<4.4	--	<25	<13
VP-9	10/23/2014	6.0	<240	<3.7	<4.4	<5.0	<5.0	<4.2	--	<24	<12

TABLE 4
SOIL VAPOR ANALYTICAL RESULTS
German Autocraft, 301 East 14th Street, San Leandro, California

Sample ID	Date	Sample Depth (ft. bgs)	TPHg ($\mu g/m^3$)	Benzene ($\mu g/m^3$)	Toluene ($\mu g/m^3$)	Ethylbenzene ($\mu g/m^3$)	Xylenes ($\mu g/m^3$)	MTBE ($\mu g/m^3$)	Isopropyl Alcohol ($\mu g/m^3$)	Naphthalene ($\mu g/m^3$)	1,1-DFA ($\mu g/m^3$)

Legend:
TPHg = Total petroleum hydrocarbons ref to gasoline (molecular weight = 100)
MTBE = Methyl tertiary butyl ether
1,1-DFA = 1,1-Difluoroethane

ft. bgs = feet below ground surface
$\mu g/m^3$ = micrograms per cubic meter
1 = *RWQCB-SF* 2013 Tier I ESLs http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/ESL/Lookup_Tables_Dec_2013_Summary.pdf
2 = Sample collected from the sampling shroud atmosphere for quality control purposes.
3 = Result exceeds instrument calibration range.
4 = Laboratory duplicate samples.

Analytical Laboratory
Air Toxics, LTD. (NELAP 02010CA)

Analytical Methods
Samples analyzed by Modified EPA Method TO-15 GC/MS. Samples collected in 1L SUMMA canisters.

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-1	12/21/90	--	30.25	--	49.61	19.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/31/90	--	--	--	49.61	--	51,000	2,200	1,200	<0.5	760	--	--	--	--	--	--	--	--
	01/06/95	--	--	--	49.61	--	110,000	13,000	15,000	4,800	13,000	--	--	--	--	--	--	--	--
	01/06/95	--	--	--	49.61	--	580,000	29,000	41,000	17,000	43,000	--	--	--	--	--	--	--	--
	02/10/95	--	20.02	--	49.61	29.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/07/95	--	22.77	--	49.40	26.63	49,000	8,000	17,000	1,900	9,700	--	--	--	--	--	--	--	--
	08/10/95	--	23.82	--	49.40	25.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/11/95	--	24.72	--	49.40	24.68	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/02/95	--	25.28	--	49.40	24.12	120,000	16,000	36,000	3,300	17,000	--	--	--	--	--	--	--	--
	10/02/95	--	--	--	49.40	--	160,000	20,000	47,000	5,000	23,000	--	--	--	--	--	--	--	--
	11/07/95	--	26.04	--	49.40	23.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/08/95	--	18.77	--	49.40	22.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/12/96	--	25.05	--	49.40	24.35	1,100,000	11,000	18,000	15,000	51,000	18,000 [2]	--	--	--	--	--	--	--
	01/12/96	--	--	--	49.40	--	98,000	2,100	4,600	2,500	10,000	<5,000	--	--	--	--	--	--	--
	02/12/96	--	20.36	--	49.40	29.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/96	--	17.65	--	49.40	31.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/13/96	--	19.97	--	49.40	29.43	53,000	1,300	2,900	2,100	10,000	<5,000	--	--	--	--	--	--	--
	04/13/96	--	--	--	49.40	--	58,000	820	3,600	2,800	12,000	<5,000	--	--	--	--	--	--	--
	05/14/96	--	21.51	--	49.40	27.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/20/96	--	22.21	--	49.40	27.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/96	--	23.45	--	49.40	25.95	91,000	2,600	7,200	2,900	14,000	<5,000	--	--	--	--	--	--	--
	07/26/96	--	--	--	49.40	--	67,000	2,300	5,500	2,500	11,000	<5,000	--	--	--	--	--	--	--
	08/19/96	--	24.24	--	49.40	25.16	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/17/96	--	24.96	--	49.40	24.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/21/96	--	25.77	--	49.40	23.63	210,000	4,800	17,000	2,300	15,000	--	--	--	--	--	--	--	--
	10/21/96	--	--	--	49.40	--	210,000	5,400	18,000	2,600	11,000	--	--	--	--	--	--	--	--
	11/27/96	--	25.12	--	49.40	24.28	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/96	--	21.17	--	49.40	28.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/28/97	--	16.38	--	49.40	33.02	120,000	5,600	15,000	2,100	11,000	--	--	--	--	--	--	--	--
	01/28/97	--	--	--	49.40	--	130,000	5,500	15,000	2,300	12,000	--	--	--	--	--	--	--	--
	04/25/97	--	22.26	--	49.40	27.14	180,000	6,900	20,000	2,600	13,000	--	--	--	--	--	--	--	--
	04/25/97	--	--	--	49.40	--	170,000	6,500	20,000	2,500	13,000	--	--	--	--	--	--	--	--
	07/17/97	--	24.85	--	49.40	24.55	220,000	8,300	41,000	2,700	16,000	--	--	--	--	--	--	--	--
	10/21/97	--	26.55	--	49.40	22.85	240,000	9,400	33,000	3,300	22,000	--	--	--	--	--	--	--	--
	03/10/98	--	15.05	--	49.40	34.35	120,000	11,000	46,000	3,700	21,000	--	--	--	--	--	--	--	--
	06/06/98	--	18.71	--	49.40	30.69	110,000	7,600	32,000	4,800	23,000	--	--	--	--	--	--	--	--
	09/30/98	--	23.45	--	49.40	25.95	140,000	5,800	29,000	3,500	18,000	--	--	--	--	--	--	--	--
	12/30/98	--	24.27	--	49.40	25.13	78,000	5,200	24,000	3,200	19,000	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-1	03/13/99	--	19.42	--	49.40	29.98	--	--	--	--	--	--	--	--	--	--	--	--	--
(cont)	03/23/99	--	--	--	49.40	--	250,000	8,000	43,000	5,200	27,000	--	--	--	--	--	--	--	--
	09/29/99	--	25.01	--	49.40	24.39	140,000	6,100	35,000	5,400	27,000	--	--	--	--	--	--	--	--
	12/29/99	--	25.65	--	49.40	23.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/18/00	--	17.48	--	49.40	31.92	120,000	5,100	33,000	4,600	24,000	--	--	--	--	--	--	--	--
	07/18/00	--	23.19	--	49.40	26.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/00	--	24.39	--	49.40	25.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/00	--	24.77	--	49.40	24.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/20/01	--	--	--	49.40	--	100,000	3,600	41,000	4,700	25,000	<1,250	--	--	--	--	--	--	--
	03/30/01	--	21.93	--	49.40	27.47	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	--	25.58	--	49.40	23.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/28/02	--	20.74	--	49.40	28.66	100,000	2,800	24,000	5,400	28,900	--	--	--	--	--	--	--	--
	03/31/03	--	22.72	--	49.40	26.68	100,000	2,200	19,000	4,900	21,000	--	--	--	--	--	--	--	--
	06/19/03	--	23.17	--	49.40	26.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	--	25.35	--	49.40	24.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/10/04	--	22.44	--	49.40	26.96	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/04	--	--	--	49.40	--	100,000	2,100	21,000	6,200	36,000	--	--	--	--	--	--	--	--
	06/30/04	--	24.67	--	49.40	24.73	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/04	--	27.89	--	49.40	21.51	160,000	1,800	16,000	5,500	30,000	--	--	--	--	--	--	--	--
	03/29/06	--	18.84	--	49.40	30.56	69,000	1,400	16,000	4,900	28,000	--	--	--	--	--	--	--	--
	06/24/06	--	20.57	--	49.40	28.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	--	23.53	--	49.40	25.87	120,000	1,400	13,000	5,200	29,000	<500	--	--	--	--	--	--	--
	12/11/06	--	22.78	--	49.40	26.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/07	--	--	--	49.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/07	--	24.36	--	49.40	25.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/07	--	25.92	--	49.40	23.48	92,000	1,000	9,400	4,300	23,000	<250	--	--	--	--	--	--	--
	12/14/07	--	26.22	--	49.40	23.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	22.4	--	49.40	27	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	--	24.97	--	49.40	24.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	26.44	--	49.40	22.96	110,000	1,000	11,000	4,200	21,000	<250	--	--	--	--	--	--	--
	12/13/08	--	27.16	--	49.40	22.24	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	--	21.82	--	49.40	27.58	110,000	1,000	14,000	3,700	21,000	<1,000	--	--	--	--	--	--	--
	12/07/09	--	26.42	--	49.40	22.98	49,000	540	5,500	2,000	9,400	<100	--	--	--	--	--	--	--
	03/15/10	--	21.21	--	49.40	28.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/10	--	25.25	--	49.40	24.15	75,000	670	9,400	3,700	19,000	<50[5]	--	--	--	--	<100[5]	<200[5]	89
	03/01/11								Well Destroyed										

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-2	01/06/95	--	--	--	--	--	980,000	9,400	5,600	19,000	42,000	--	--	--	--	--	--	--	--
	02/10/95	--	20.52	--	50.14	29.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/07/95	--	23.55	--	50.02	26.47	71,000	5,300	1,800	6,100	9,000	--	--	--	--	--	--	--	--
	08/10/95	--	24.62	--	50.02	25.4	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/11/95	--	25.53	--	50.02	24.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/02/95	--	26.08	--	50.02	23.94	40,000	2,900	200	2,800	3,600	--	--	--	--	--	--	--	--
	11/07/95	--	26.89	--	50.02	23.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/08/95	--	27.47	--	50.02	22.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/12/96	--	25.82	--	50.02	24.2	260,000	2,600	2,200	6,300	7,800	<12,500	--	--	--	--	--	--	--
	02/12/96	--	20.99	--	50.02	29.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/96	--	18.42	--	50.02	31.6	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/13/96	--	20.77	--	50.02	29.25	30,000	1,900	370	2,300	2,400	520 [2]	--	--	--	--	--	--	--
	04/29/96	--	--	--	50.02	--	--	930	<25	1,200	1,400	--	--	--	--	--	--	--	--
	05/14/96	--	22.34	--	50.02	27.68	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/20/96	--	23.05	--	50.02	26.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/96	--	24.28	--	50.02	25.74	180,000	1,400	640	2,100	5,000	<5,000	--	--	--	--	--	--	--
	08/19/96	--	25.05	--	50.02	24.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/17/96	--	25.8	--	50.02	24.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/21/96	--	26.59	--	50.02	23.43	62,000	2,100	<0.5	2,100	2,700	--	--	--	--	--	--	--	--
	11/27/96	--	25.93	--	50.02	24.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/96	--	21.99	--	50.02	28.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/28/97	--	17.31	--	50.02	32.71	46,000	1,500	94	1,800	2,000	--	--	--	--	--	--	--	--
	04/25/97	--	23.14	--	50.02	26.88	23,000	790	26	820	730	--	--	--	--	--	--	--	--
	07/17/97	--	25.71	--	50.02	24.31	95,000	2,200	<0.5	3,100	4,300	--	--	--	--	--	--	--	--
	10/21/97	--	27.33	--	50.02	22.69	31,000	2,000	<0.5	2,100	1,900	--	--	--	--	--	--	--	--
	03/10/98	--	15.82	--	50.02	34.2	19,000	730	44	820	1,000	--	--	--	--	--	--	--	--
	06/06/98	--	19.61	--	50.02	30.41	16,000	670	1,100	510	1,200	--	--	--	--	--	--	--	--
	09/30/98	--	24.34	--	50.02	25.68	24,000	600	77	680	580	--	--	--	--	--	--	--	--
	12/30/98	--	25.09	--	50.02	24.93	9,300	510	96	450	480	--	--	--	--	--	--	--	--
	03/13/99	--	20.22	--	50.02	29.8	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	--	--	50.02	--	5,700	580	9.4	400	280	--	--	--	--	--	--	--	--
	09/29/99	--	25.9	--	50.02	24.12	17,000	880	240	830	1,000	--	--	--	--	--	--	--	--
	12/29/99	--	26.5	--	50.02	23.52	11,000	800	11	860	780	--	--	--	--	--	--	--	--
	03/18/00	--	18.15	--	50.02	31.87	11,000	790	14	520	450	--	--	--	--	--	--	--	--
	07/18/00	--	24.01	--	50.02	26.01	10,000	560	27	630	530	--	--	--	--	--	--	--	--
	09/26/00	--	25.33	--	50.02	24.69	6,800	450	7.4	290	200	--	--	--	--	--	--	--	--
	12/28/00	--	25.63	--	50.02	24.39	12,000	540	30	420	330	--	--	--	--	--	--	--	--
	03/30/01	--	22.71	--	50.02	27.31	3,500	230	<10	<10	<10	<100	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-2	10/05/01	--	26.38	--	50.02	23.64	--	--	--	--	--	--	--	--	--	--	--	--	--
(cont)	03/28/02	--	21.59	--	50.02	28.43	7,000	570	16	170	71	--	--	--	--	--	--	--	--
	09/30/02	--	25.84	--	50.02	24.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/03	--	23.63	--	50.02	26.39	5,000	620	<12.5	71	<25	--	--	--	--	--	--	--	--
	06/19/03	--	23.98	--	50.02	26.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	--	26.19	--	50.02	23.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/10/04	--	23.27	--	50.02	26.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/04	--	--	--	50.02	--	8,200	500	<12.5	65	<25	--	--	--	--	--	--	--	--
	06/30/04	--	25.45	--	50.02	24.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/04	--	26.7	--	50.02	23.32	9,000	560	<13	57	<25	--	--	--	--	--	--	--	--
	03/29/06	--	19.61	--	50.02	30.41	5,200	1,400	<20	52	<20	--	--	--	--	--	--	--	--
	06/24/06	--	21.41	--	50.02	28.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	--	24.37	--	50.02	25.65	4,800	900	64	22	110	<50	--	--	--	--	--	--	--
	12/11/06	--	23.92	--	50.02	26.1	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/07	--	22.78	--	50.02	27.24	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/07	--	25.12	--	50.02	24.9	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/07	--	26.63	--	50.02	23.39	11,000	2,200	53	72	150	<50	--	--	--	--	--	--	--
	12/14/07	--	26.58	--	50.02	23.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	23.1	--	50.02	26.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	--	25.71	--	50.02	24.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	27.14	--	50.02	22.88	10,000	1,000	49	120	120	<100	--	--	--	--	--	--	--
	12/13/08	--	27.83	--	50.02	22.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	--	22.38	--	50.02	27.64	9,800	270	28	210	110	<110	--	--	--	--	--	--	--
	06/03/09	--	25.27	--	50.02	24.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	--	27.11	--	50.02	22.91	9,000	150	48	170	110	<50	--	--	--	--	--	--	--
	03/15/10	--	21.98	--	50.02	28.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/10	--	26.11	--	50.02	23.91	9,900	93	<5.0[5]	100	13[5]	<5.0[5]	--	--	--	--	<10[5]	<20[5]	18
	03/01/11	--	21.55	--	50.02	28.47	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/08/11	--	24.98	--	50.02	25.04	7,500	680	13	17	7.4[5]	--	--	--	--	--	--	--	--
	03/06/12	--	26.11	--	50.02	23.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/11/12	--	24.86	--	50.02	25.16	6,100	31	2.2	33	3.0	--	--	--	--	--	--	--	--
	03/05/13	--	24.69	--	50.02	25.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/09/13	--	27.64	--	50.02	22.38	7,400	5.3	<4.0[5]	84	11	--	--	--	--	--	--	--	--
	03/11/14	--	27.05	--	50.02	22.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/03/14	--	28.61	--	50.02	21.41	1,000	3.1	0.53	56	9.9	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-3	01/06/95	--	--	--	49.32	--	740,000	11,000	2,300	8,300	28,000	--	--	--	--	--	--	--	--
	02/10/95	--	19.75	--	49.32	29.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/07/95	--	22.82	--	49.32	26.5	86,000	12,000	8,600	4,900	19,000	--	--	--	--	--	--	--	--
	08/10/95	--	23.88	--	49.32	25.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/11/95	--	24.78	--	49.32	24.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/02/95	--	25.32	--	49.32	24	100,000	15,000	11,000	6,000	20,000	--	--	--	--	--	--	--	--
	11/07/95	--	26.11	--	49.32	23.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/08/95	--	26.7	--	49.32	22.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/12/96	--	25.07	--	49.32	24.25	84,000	6,500	4,100	3,200	12,000	<5,.000	--	--	--	--	--	--	--
	02/12/96	--	20.32	--	49.32	29	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/96	--	17.65	--	49.32	31.67	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/13/96	--	20.06	--	49.32	29.26	48,000	7,600	3,600	2,800	9,400	<2,500	--	--	--	--	--	--	--
	05/14/96	--	21.61	--	49.32	27.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/20/96	--	22.32	--	49.32	27	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/96	--	23.65	--	49.32	25.67	62,000	6,400	3,100	3,000	11,000	<2,500	--	--	--	--	--	--	--
	08/19/96	--	24.31	--	49.32	25.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/17/96	--	25.05	--	49.32	24.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/21/96	--	25.84	--	49.32	23.48	110,000	5,400	2,400	2,500	9,800	--	--	--	--	--	--	--	--
	11/27/96	--	25.19	--	49.32	24.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/96	--	21.21	--	49.32	28.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/28/97	--	16.54	--	49.32	32.78	130,000	5,500	15,000	2,300	12,000	--	--	--	--	--	--	--	--
	04/25/97	--	22.38	--	49.32	26.94	180,000	6,900	20,000	2,600	13,000	--	--	--	--	--	--	--	--
	07/17/97	--	24.95	--	49.32	24.37	69,000	5,100	1,100	1,800	8,600	--	--	--	--	--	--	--	--
	10/21/97	--	26.59	--	49.32	22.73	58,000	4,300	1,300	2,100	8,000	--	--	--	--	--	--	--	--
	03/10/98	--	15.19	--	49.32	34.13	25,000	3,000	1,300	1,100	3,700	--	--	--	--	--	--	--	--
	06/06/98	--	18.85	--	49.32	30.47	52,000	4,400	1,900	2,300	6,900	--	--	--	--	--	--	--	--
	09/30/98	--	23.57	--	49.32	25.75	42,000	4,300	1,400	1,800	6,600	--	--	--	--	--	--	--	--
	12/30/98	--	24.33	--	49.32	24.99	34,000	4,200	770	2,300	9,000	--	--	--	--	--	--	--	--
	03/13/99	--	19.49	--	49.32	29.83	44,000	3,500	1,000	1,700	5,200	--	--	--	--	--	--	--	--
	09/29/99	--	25.12	--	49.32	24.2	39,000	6,000	840	2,400	8,100	--	--	--	--	--	--	--	--
	12/29/99	--	25.72	--	49.32	23.6	39,000	4,600	790	2,400	8,100	--	--	--	--	--	--	--	--
	03/18/00	--	17.5	--	49.32	31.82	21,000	3,100	550	1,400	4,100	--	--	--	--	--	--	--	--
	07/18/00	--	23.28	--	49.32	26.04	30,000	5,000	950	2,000	5,700	--	--	--	--	--	--	--	--
	09/26/00	--	24.52	--	49.32	24.8	36,000	5,300	640	2,400	9,900	--	--	--	--	--	--	--	--
	12/28/00	--	24.87	--	49.32	24.45	33,000	4,700	450	2,100	6,400	--	--	--	--	--	--	--	--
	03/20/01	--	--	--	49.32	--	21,000	2,000	260	570	3,000	<500	--	--	--	--	--	--	--
	03/30/01	--	21.93	--	49.32	27.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	--	25.62	--	49.32	23.7	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-3 (cont)	03/28/02	--	20.83	--	49.32	28.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/02	--	25.2	--	49.32	24.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/03	--	22.82	--	49.32	26.5	25,000	3,200	280	1,600	4,200	--	--	--	--	--	--	--	--
	06/19/03	--	23.29	--	49.32	26.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	--	25.5	--	49.32	23.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/10/04	--	22.53	--	49.32	26.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/04	--	--	--	49.32	--	11,000	1,000	940	550	1,900	--	--	--	--	--	--	--	--
	06/30/04	--	24.73	--	49.32	24.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/04	--	27.93	--	49.32	21.39	42,000	3,600	190	2,200	4,800	--	--	--	--	--	--	--	--
	03/29/06	--	18.87	--	49.32	30.45	7,200	180	17	460	680	--	--	--	--	--	--	--	--
	06/24/06	--	22.65	--	49.32	26.67	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	--	24.49	--	49.32	24.83	7,100	130	94	500	820	<50	--	--	--	--	--	--	--
	12/11/06	--	23.03	--	49.32	26.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/07	--	21.97	--	49.32	27.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/07	--	24.28	--	49.32	25.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/07	--	25.75	--	49.32	23.57	6,700	16	44	200	400	<10	--	--	--	--	--	--	--
	12/14/07	--	25.96	--	49.32	23.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	22.31	--	49.32	27.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	--	24.8	--	49.32	24.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	26.23	--	49.32	23.09	6,300	7.6	82	92	290	<5.0	--	--	--	--	--	--	--
	12/13/08	--	26.93	--	49.32	22.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	--	21.65	--	49.32	27.67	3,300	13	17	56	140	<50	--	--	--	--	--	--	--
	12/07/09	--	26.2	--	49.32	23.12	2,800	13	43	74	150	<50	--	--	--	--	--	--	--
	03/15/10	--	21.15	--	49.32	28.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/10	--	25.20	--	49.32	24.12	1,400	<0.50	<0.50	5.3	2.9	<0.50	--	--	--	--	<1.0	<2.0	22
	03/01/11	--	20.66	--	49.32	28.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/08/11	--	24.19	--	49.32	25.13	1,000	29	2.1	29	6.7	--	--	--	--	--	--	--	--
	03/06/12	--	25.22	--	49.32	24.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/11/12	--	24.06	--	49.32	25.26	460	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/05/13	--	23.84	--	49.32	25.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/09/13	--	26.62	--	49.32	22.70	1,100	<0.50	<0.50	0.98	<0.50	--	--	--	--	--	--	--	--
	03/11/14	--	26.14	--	49.32	23.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/03/14	--	27.65	--	49.32	21.67	1,800	1.6	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--

TABLE 5
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German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-4	12/30/98	--	24.56	--	49.61	25.05	12,000	1,200	1,100	290	1,400	--	--	--	--	--	--	--	--
	03/13/99	--	19.72	--	49.61	29.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	--	--	49.61	--	89,000	5,900	8,700	2,000	9,200	--	--	--	--	--	--	--	--
	09/29/99	--	25.34	--	49.61	24.27	48,000	5,300	6,800	1,700	7,700	--	--	--	--	--	--	--	--
	12/29/99	--	25.97	--	49.61	23.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/18/00	--	17.76	--	49.61	31.85	44,000	4,500	7,500	2,200	11,000	--	--	--	--	--	--	--	--
	12/28/00	--	25.09	--	49.61	24.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/30/01	--	22.21	--	49.61	27.4	10,000	700	620	<10	1,900	<100	--	--	--	--	--	--	--
	10/05/01	--	25.84	--	49.61	23.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/28/02	--	21.03	--	49.61	28.58	30,000	3,700	3,100	1,100	4,100	--	--	--	--	--	--	--	--
	09/30/02	--	25.29	--	49.61	24.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/03	--	23.02	--	49.61	26.59	25,000	2,000	2,100	820	2,900	--	--	--	--	--	--	--	--
	06/19/03	--	23.45	--	49.61	26.16	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	--	25.65	--	49.61	23.96	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/04	--	--	--	49.61	--	24,000	2,500	200	1,400	2,800	--	--	--	--	--	--	--	--
	09/14/04	--	28.16	--	49.61	21.45	14,000	760	550	430	1,600	--	--	--	--	--	--	--	--
	03/29/06	--	19.87	--	49.61	29.74	17,000	2,000	1,200	910	2,400	--	--	--	--	--	--	--	--
	06/24/06	--	22.86	--	49.61	26.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	--	23.94	--	49.61	25.67	4,000	440	120	240	360	<50	--	--	--	--	--	--	--
	12/11/06	--	23.36	--	49.61	26.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/07	--	22.26	--	49.61	27.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/07	--	24.6	--	49.61	25.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/07	--	26.11	--	49.61	23.5	10,000	1,300	96	440	560	<50	--	--	--	--	--	--	--
	12/14/07	--	26.39	--	49.61	23.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	22.62	--	49.61	26.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	--	25.19	--	49.61	24.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	26.64	--	49.61	22.97	12,000	1,400	110	960	840	<300	--	--	--	--	--	--	--
	12/13/08	--	27.36	--	49.61	22.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	--	21.96	--	49.61	27.65	44,000	1,700	1,000	2,600	6,700	<250	--	--	--	--	--	--	--
	12/07/09	--	26.6	--	49.61	23.01	26,000	920	160	2,100	3,200	<250	--	--	--	--	--	--	--
	03/15/10	--	21.59	--	49.61	28.02	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/10	--	25.70	--	49.61	23.91	9,900	660	56	550	465	<2.5[5]	--	--	--	--	<5.0[5]	<10[5]	<5.0[5]
	03/01/11								Well Destroyed										

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Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-5	12/30/98	--	24.51	--	49.57	25.06	170	1.1	<0.5	<0.5	4.8	--	--	--	--	--	--	--	--
	03/13/99	--	19.64	--	49.57	29.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/99	--	--	--	49.57	--	470	3.8	0.51	2	<0.5	--	--	--	--	--	--	--	--
	09/29/99	--	25.31	--	49.57	24.26	1,200	13	4.2	2.7	4.2	--	--	--	--	--	--	--	--
	03/18/00	--	25.93	--	49.57	23.64	660	5.5	0.62	1.6	1.7	--	--	--	--	--	--	--	--
	03/28/02	--	17.63	--	49.57	31.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/29/06	--	--	--	49.57	--	190	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/30/06	--	Dry	--	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/07	--	Dry	--	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/07	--	Dry	--	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	--	Dry	--	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	Dry	--	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/08	--	Dry	--	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	--	Dry	--	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	--	Dry	--	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/10	--	21.46	--	49.57	28.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/10	--	25.62	--	49.57	23.95	260	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	<1.0	<2.0	18
	03/01/11	--	21.05	--	49.57	28.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/08/11	--	24.46	--	49.57	25.11	210	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/06/12	--	25.64	--	49.57	23.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/11/12	--	24.38	--	49.57	25.19	170	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/05/13	--	24.20	--	49.57	25.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/09/13	--	--	--	49.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/11/14	--	--	--	49.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/03/14	--	--	--	49.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-6	12/30/98	--	22.92	--	48.06	25.14	400	1	<0.5	<0.5	4.8	--	--	--	--	--	--	--	--
	03/13/99	--	18.09	--	48.06	29.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/99	--	--	--	48.06	--	390	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/29/99	--	23.68	--	48.06	24.38	330	1.8	1.4	1.5	<0.5	--	--	--	--	--	--	--	--
	12/29/99	--	24.31	--	48.06	23.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/18/00	--	16.2	--	48.06	31.86	200	1.3	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	07/18/00	--	21.84	--	48.06	26.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/00	--	23.11	--	48.06	24.95	240	1.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/28/00	--	23.45	--	48.06	24.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/20/01	--	--	--	48.06	--	160	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/30/01	--	20.65	--	48.06	27.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	--	24.24	--	48.06	23.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/28/02	--	19.41	--	48.06	28.65	88	0.89	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/30/02	--	23.65	--	48.06	24.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/29/06	--	--	--	48.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	--	22.33	--	48.06	25.73	280	5.5	24	14	69	<5.0	--	--	--	--	--	--	--
	09/14/07	--	24.58	--	48.06	23.48	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	12/14/07	--	24.88	--	48.06	23.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	21.03	--	48.06	27.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	--	23.62	--	48.06	24.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	25.1	--	48.06	22.96	84	0.92	0.76	1.7	3.5	<5.0	--	--	--	--	--	--	--
	12/13/08	--	25.81	--	48.06	22.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/03/09	--	23.2	--	48.06	24.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/10	--	19.87	--	48.06	28.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/10	--	23.92	--	48.06	24.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	<1.0	<2.0	30
	03/01/11	--	--	--	48.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/08/11	--	--	--	48.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/06/12	Well Destroyed																	

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-8	12/30/98	--	24.21	--	49.35	25.14	2,200	70	0.94	26	15	--	--	--	--	--	--	--	--
	03/13/99	--	--	--	49.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	--	--	49.35	--	2,300	34	1.1	15	13	--	--	--	--	--	--	--	--
	09/29/99	--	--	--	49.35	--	8,800	140	<50	53	<50	--	--	--	--	--	--	--	--
	12/29/99	--	--	--	49.35	--	1,900	64	1	22	23	--	--	--	--	--	--	--	--
	03/18/00	--	--	--	49.35	--	1,400	36	<0.5	12	9.3	--	--	--	--	--	--	--	--
	07/18/00	--	--	--	49.35	--	3,000	67	9.8	38	38	--	--	--	--	--	--	--	--
	09/26/00	--	--	--	49.35	--	1,200	24	3	24	15	--	--	--	--	--	--	--	--
	12/28/00	--	--	--	49.35	--	1,200	47	3.7	17	18	--	--	--	--	--	--	--	--
	03/20/01	--	--	--	49.35	--	1,300	7.8	<2.5	<2.5	14	<25	--	--	--	--	--	--	--
	03/30/01	--	--	--	49.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	--	--	--	49.35	--	1,800	28	<2.5	20	23	--	--	--	--	--	--	--	--
	03/28/02	--	--	--	49.35	--	1,100	12	1.7	11	10.8	--	--	--	--	--	--	--	--
	09/30/02	--	--	--	49.35	--	1,400	15	24	32	22	--	--	--	--	--	--	--	--
	09/30/06	--	24.07	--	49.35	25.28	760	4.9	31	13	64	<5.0	--	--	--	--	--	--	--
	03/16/07	--	--	--	49.35	--	370	<0.5	8.1	0.52	0.94	<5.0	--	--	--	--	--	--	--
	09/14/07	--	26.12	--	49.35	23.23	1,300	1.3	20	3	1.6	<5.0	--	--	--	--	--	--	--
	12/14/07	--	26.35	--	49.35	23	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	22.65	--	49.35	26.7	520	1.4	11	3.9	5.6	<5.0	--	--	--	--	--	--	--
	06/11/08	--	25.23	--	49.35	24.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	26.62	--	49.35	22.73	1,800	1.9	30	5	4	<25	--	--	--	--	--	--	--
	12/13/08	--	27.3	--	49.35	22.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	--	21.8	--	49.35	27.55	950	3.1	42	36	180	<5.0	--	--	--	--	--	--	--
	06/03/09	--	24.83	--	49.35	24.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	--	26.58	--	49.35	22.77	2,200	2.2	42	10	19	<5.0	--	--	--	--	--	--	--
	03/15/10	--	21.48	--	49.35	27.87	90	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	09/13/10	--	25.58	--	49.35	23.77	550	<0.50	<0.50	1.7	<0.50	--	--	--	--	--	<1.0	<2.0	<5.0
	03/01/11	--	21.12	--	49.35	28.23	120	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/08/11	--	24.58	--	49.35	24.77	150	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/06/12	--	25.65	--	49.35	23.70	410	<0.50	<0.50	1.0	<0.50	--	--	--	--	--	--	--	--
	07/11/12	--	24.47	--	49.35	24.88	130	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/05/13	--	24.28	--	49.35	25.07	160	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/09/13	--	27.11	--	49.35	22.24	880	<0.50	<0.50	1.7	<0.50	--	--	--	--	--	--	--	--
	03/11/14	--	26.52	--	49.35	22.83	330	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/03/14	--	28.07	--	49.35	21.28	700	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-9	12/30/98	--	23.98	--	48.77	24.79	25,000	23	<10	180	620	--	--	--	--	--	--	--	--
	03/13/99	--	19.19	--	48.77	29.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	--	--	48.77	--	27,000	35	<20	600	920	--	--	--	--	--	--	--	--
	09/29/99	--	24.72	--	48.77	24.05	42,000	140	130	1,000	1,700	--	--	--	--	--	--	--	--
	12/29/99	--	25.32	--	48.77	23.45	1,100,000	1,200	1,300	4,300	8,700	--	--	--	--	--	--	--	--
	03/18/00	--	17.31	--	48.77	31.46	17,000	89	46	10	600	--	--	--	--	--	--	--	--
	07/18/00	--	22.94	--	48.77	25.83	12,000	39	8.2	540	760	--	--	--	--	--	--	--	--
	09/26/00	--	24.16	--	48.77	24.61	11,000	19	<5	470	610	--	--	--	--	--	--	--	--
	12/28/00	--	24.48	--	48.77	24.29	22,000	100	<100	610	770	--	--	--	--	--	--	--	--
	03/20/01	--	--	--	48.77	--	8,200	40	<10	14	210	<100	--	--	--	--	--	--	--
	03/30/01	--	21.65	--	48.77	27.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	--	25.23	--	48.77	23.54	77,000	<100	110	780	850	--	--	--	--	--	--	--	--
	03/28/02	--	20.45	--	48.77	28.32	11,000	34	6.1	220	180	--	--	--	--	--	--	--	--
	09/30/02	--	24.66	--	48.77	24.11	34,000	<125	140	240	370	--	--	--	--	--	--	--	--
	03/31/03	--	22.44	--	48.77	26.33	6,200	<12.5	<12.5	130	87	--	--	--	--	--	--	--	--
	06/19/03	--	22.87	--	48.77	25.9	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	--	25	--	48.77	23.77	9,700	52	<25	160	87	--	--	--	--	--	--	--	--
	02/10/04	--	22.13	--	48.77	26.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/04	--	24.55	--	48.77	24.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/04	--	25.69	--	48.77	23.08	9,500	48	<25	93	<50	--	--	--	--	--	--	--	--
	03/29/06	--	16.74	--	48.77	32.03	6,200	<0.5	<0.5	57	11	--	--	--	--	--	--	--	--
	06/24/06	--	22.43	--	48.77	26.34	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	--	23.4	--	48.77	25.37	2,200	3.7	31	37	40	<17	--	--	--	--	--	--	--
	12/11/06	--	22.78	--	48.77	25.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/07	--	21.76	--	48.77	27.01	3,200	2.2	37	18	2.9	--	--	--	--	--	--	--	--
	09/14/07	--	25.5	--	48.77	23.27	2,600	1.4	28	13	3.2	<5.0	--	--	--	--	--	--	--
	12/14/07	--	25.83	--	48.77	22.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	22.08	--	48.77	26.69	2,800	2.3	32	12	5.3	<5.0	--	--	--	--	--	--	--
	06/11/08	--	24.61	--	48.77	24.16	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	26.04	--	48.77	22.73	3,800	2.5	40	6.1	2.8	<100	--	--	--	--	--	--	--
	12/13/08	--	26.74	--	48.77	22.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	--	21.46	--	48.77	27.31	7,100	11	63	50	120	<50	--	--	--	--	--	--	--
	06/03/09	--	24.21	--	48.77	24.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	--	26.03	--	48.77	22.74	3,600	4	34	18	22	<5.0	--	--	--	--	--	--	--
	03/15/10	--	20.91	--	48.77	27.86	2,900	1.1	<1.0	11	<1.0	<1.0	--	--	--	--	--	--	--
	09/13/10	--	24.93	--	48.77	23.84	4,500	<2.0[5]	<2.0[5]	15	<2.0[5]	--	--	--	--	--	<4.0[5]	<8.0[5]	9.3
	03/01/11	--	20.40	--	48.77	28.37	4,100	<1.0[5]	<1.0[5]	10	<1.0[5]	--	--	--	--	--	--	--	--

TABLE 5
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German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-9 (cont)	09/08/11	--	23.90	--	48.77	24.87	3,800	<1.0[5]	<1.0[5]	7.7	<1.0[5]	--	--	--	--	--	--	--	--
	03/06/12	--	25.02	--	48.77	23.75	3,800	<1.5[5]	<1.5[5]	6.6	<1.5[5]	--	--	--	--	--	--	--	--
	07/11/12	--	23.81	--	48.77	24.96	5,800	<2.0[5]	<2.0[5]	6.2	<2.0[5]	--	--	--	--	--	--	--	--
	03/05/13	--	23.64	--	48.77	25.13	2,100	<2.0[5]	<2.0[5]	4.2	<2.0[5]	--	--	--	--	--	--	--	--
	09/09/13	--	26.52	--	48.77	22.25	4,400	<1.5[5]	<1.5[5]	4.1	<1.5[5]	--	--	--	--	--	--	--	--
	03/11/14	--	25.91	--	48.77	22.86	3,800	<1.0[5]	<1.0[5]	2.7	<1.0[5]	--	--	--	--	--	--	--	--
	09/03/14	--	27.44	--	48.77	21.33	5,800	<2.0[5]	<2.0[5]	2.8	<2.0[5]	--	--	--	--	--	--	--	--

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German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-10	12/30/98	--	25.15	--	49.93	24.78	6,900	130	19	140	210	--	--	--	--	--	--	--	--
	03/13/99	--	20.62	--	49.93	29.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	--	--	49.93	--	6,600	150	33	240	170	--	--	--	--	--	--	--	--
	09/29/99	--	26.13	--	49.93	23.8	9,300	60	38	280	150	--	--	--	--	--	--	--	--
	12/29/99	--	26.7	--	49.93	23.23	5,800	87	10	420	180	--	--	--	--	--	--	--	--
	03/18/00	--	18.67	--	49.93	31.26	3,800	180	11	220	120	--	--	--	--	--	--	--	--
	07/18/00	--	24.38	--	49.93	25.55	9,100	120	33	210	130	--	--	--	--	--	--	--	--
	09/26/00	--	25.59	--	49.93	24.34	4,500	22	8.8	1.3	18	--	--	--	--	--	--	--	--
	12/28/00	--	25.9	--	49.93	24.03	3,900	55	13	98	38	--	--	--	--	--	--	--	--
	03/30/01	--	23.14	--	49.93	26.79	4,500	48	6	<5	23	81 / <5.0	--	--	--	--	--	--	--
	10/05/01	--	26.6	--	49.93	23.33	5,200	70	28	41	30	--	--	--	--	--	--	--	--
	03/28/02	--	21.87	--	49.93	28.06	7,400	45	20	210	66	--	--	--	--	--	--	--	--
	09/30/02	--	26.05	--	49.93	23.88	670	54	5.9	76	23	--	--	--	--	--	--	--	--
	03/31/03	--	23.87	--	49.93	26.06	5,700	31	38	67	27	--	--	--	--	--	--	--	--
	06/19/03	--	24.28	--	49.93	25.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	--	26.37	--	49.93	23.56	7,400	61	<50	<50	<100	--	--	--	--	--	--	--	--
	02/10/04	--	23.54	--	49.93	26.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/04	--	25.71	--	49.93	24.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/04	--	26.85	--	49.93	23.08	9,100	47	<25	51	<50	--	--	--	--	--	--	--	--
	03/29/06	--	20.18	--	49.93	29.75	6,800	140	18	270	160	--	--	--	--	--	--	--	--
	06/24/06	--	23.87	--	49.93	26.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	--	24.8	--	49.93	25.13	5,700	61	30	78	120	<100	--	--	--	--	--	--	--
	03/16/07	--	23.09	--	49.93	26.84	10,000	71	15	46	25	<50	--	--	--	--	--	--	--
	09/14/07	--	26.87	--	49.93	23.06	5,800	55	18	22	15	<10	--	--	--	--	--	--	--
	12/14/07	--	27.14	--	49.93	22.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	23.48	--	49.93	26.45	9,300	240	23	48	37	<50	--	--	--	--	--	--	--
	06/11/08	--	25.98	--	49.93	23.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	27.38	--	49.93	22.55	8,400	120	12	18	16	<250	--	--	--	--	--	--	--
	12/13/08	--	28.04	--	49.93	21.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	--	22.73	--	49.93	27.2	8,100	300	25	36	72	<250	--	--	--	--	--	--	--
	12/07/09	--	27.33	--	49.93	22.6	8,400	160	26	32	34	<100	--	--	--	--	--	--	--
	03/15/10	--	22.27	--	49.93	27.66	5,200	110	4.1	29	16	<2.0	--	--	--	--	--	--	--
	09/13/10	--	26.88	--	49.93	23.05	6,800	43	2.5	31	13[5]	--	--	--	--	--	<4.0[5]	<8.0[5]	<5.0
	03/01/11	--	21.77	--	49.93	28.16	8,100	32	3.2	53	11[5]	--	--	--	--	--	--	--	--
	09/08/11	--	25.27	--	49.93	24.66	7,700	13	<2.5[5]	30	9.0[5]	--	--	--	--	--	--	--	--
	03/06/12	--	26.37	--	49.93	23.56	5,300	9.8	2.5	25	7.0	--	--	--	--	--	--	--	--
	07/11/12	--	25.19	--	49.93	24.74	7,400	13	3.1	34	7.1	--	--	--	--	--	--	--	--
	03/05/13	--	25.03	--	49.93	24.90	6,200	41	5.8	27	8.3	--	--	--	--	--	--	--	--
	09/09/13	--	27.84	--	49.93	22.09	4,400	16	<4.0[5]	14	5.8	--	--	--	--	--	--	--	--
	03/11/14	--	27.21	--	49.93	22.72	7,700	44	3.7	20	5.2	--	--	--	--	--	--	--	--
	09/03/14	--	28.74	--	49.93	21.19	6,900	44	3.5	17	6.0	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-11	12/30/98	--	23.15	--	47.93	24.78	80	<0.5	<0.5	0.93	1.6	--	--	--	--	--	--	--	--
	03/13/99	--	18.37	--	47.93	29.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	--	--	47.93	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/29/99	--	23.9	--	47.93	24.03	94	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/29/99	--	24.5	--	47.93	23.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/18/00	--	16.55	--	47.93	31.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	07/18/00	--	22.12	--	47.93	25.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/00	--	23.35	--	47.93	24.58	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/28/00	--	23.67	--	47.93	24.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/20/01	--	--	--	47.93	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/30/01	--	20.9	--	47.93	27.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	--	24.41	--	47.93	23.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/28/02	--	19.62	--	47.93	28.31	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	09/30/02	--	23.84	--	47.93	24.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	--	22.58	--	47.93	25.35	160	1.8	12	7.6	40	<5.0	--	--	--	--	--	--	--
	09/14/07	--	24.72	--	47.93	25.21	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	12/14/07	--	25	--	47.93	22.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	--	23.81	--	47.93	24.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	25.23	--	47.93	22.7	150	0.93	0.6	1.6	2.5	<5.0	--	--	--	--	--	--	--
	12/13/08	--	25.93	--	47.93	22	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/10	--	20.10	--	47.93	27.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/10	--	24.11	--	47.93	23.82	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	<1.0	<2.0	22
	03/01/11	--	19.57	--	47.93	28.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/08/11	--	23.08	--	47.93	24.85	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/06/12	--	24.18	--	47.93	23.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/11/12	--	23.00	--	47.93	24.93	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/05/13	--	22.82	--	47.93	25.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/09/13	--	25.71	--	47.93	22.22	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/11/14	--	25.10	--	47.93	22.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/03/14	--	26.61	--	47.93	21.32	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-12	03/20/01	--	--	--	48.46	--	4,100	28	6.2	<5	16	90 / <5.0	--	--	--	--	--	--	--
	03/30/01	--	21.43	--	48.46	27.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/29/01	--	--	--	48.46	--	4,200	26	25	19	29	--	--	--	--	--	--	--	--
	10/05/01	--	24.94	--	48.46	23.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/01	--	--	--	48.46	--	5,300	9.7	<2.5	41	14	--	--	--	--	--	--	--	--
	03/28/02	--	20.15	--	48.46	28.31	4,900	20	<2.5	69	23	--	--	--	--	--	--	--	--
	06/28/02	--	--	--	48.46	--	2,600	29	<12.5	30	<25	--	--	--	--	--	--	--	--
	09/30/02	--	24.37	--	48.46	24.09	700	16	4.9	19	9.8	--	--	--	--	--	--	--	--
	09/30/06	--	22.58	--	48.46	26.18	2,100	6.2	15	16	38	<10	--	--	--	--	--	--	--
	12/11/06	--	23.88	--	48.46	24.88	5,500	13	24	16	23	<17	--	--	--	--	--	--	--
	03/16/07	--	21.77	--	48.46	26.99	4,900	11	24	16	8.5	<50	--	--	--	--	--	--	--
	06/10/07	--	24.06	--	48.46	24.7	2,600	<2.5	<2.5	13	9.5	<25	--	--	--	--	--	--	--
	09/14/07	--	--	--	48.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/07	--	25.77	--	48.46	22.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	--	--	48.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	--	24.6	--	48.46	23.86	6,200	11	21	26	8.1	<50	--	--	--	--	--	--	--
	09/05/08	--	25.97	--	48.46	22.49	5,000	7.3	15	12	5.9	<25	--	--	--	--	--	--	--
	12/13/08	--	26.66	--	48.46	21.8	4,400	7.6	19	12	9.4	<25	--	--	--	--	--	--	--
	03/14/09	--	21.36	--	48.46	27.1	6,800	16	19	20	60	<50	--	--	--	--	--	--	--
	06/03/09	--	24.2	--	48.46	24.26	6,400	6.5	24	25	6.1	<50	--	--	--	--	--	--	--
	12/07/09	--	--	--	48.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/10	--	20.89	--	48.46	27.57	5,100	5.0	<2.0	15	4.3	<2.0	--	--	--	--	--	--	--
	09/13/10	--	24.91	--	48.46	23.55	5,400	<2.0[5]	<2.0[5]	10	3.5	--	--	--	--	--	<4.0[5]	<8.0[5]	14
	03/01/11	--	20.40	--	48.46	28.06	5,900	<2.0[5]	<2.0[5]	18	3.9[5]	--	--	--	--	--	--	--	--
	09/08/11	--	--	--	48.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/06/12	--	25.01	--	48.46	23.45	4,100	<1.5[5]	<1.5[5]	6.9	2.5	--	--	--	--	--	--	--	--
	07/11/12	--	23.85	--	48.46	24.61	3,500	<1.0[5]	<1.0[5]	7.4	1.8	--	--	--	--	--	--	--	--
	03/05/13	--	--	--	48.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/09/13	--	--	--	48.46	--	1,600	<0.50	<0.50	0.70	0.69	--	--	--	--	--	--	--	--
	03/11/14	--	25.85	--	48.45	22.60	4,600	<2.0[5]	<2.0[5]	2.5	<2.0[5]	--	--	--	--	--	--	--	--
	09/03/14	--	27.36	--	48.45	21.09	5,200	<1.5[5]	<1.5[5]	3.4	2.3	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-13	03/20/01	--	--	--	49.51	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/30/01	--	22.48	--	49.51	27.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/29/01	--	--	--	49.51	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	10/05/01	--	25.99	--	49.51	23.52	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/21/01	--	--	--	49.51	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	03/28/02	--	21.2	--	49.51	28.31	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	06/28/02	--	--	--	49.51	--	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	09/30/02	--	25.42	--	49.51	24.09	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	12/21/02	--	--	--	49.51	--	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	09/30/06	--	22.58	--	49.51	26.93	170	2.1	13	8.1	43	<5.0	--	--	--	--	--	--	--
	12/11/06	--	25.33	--	49.51	24.18	110	4.6	6.5	4.6	17	<5.0	--	--	--	--	--	--	--
	03/16/07	--	23	--	49.51	26.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	06/10/07	--	25.5	--	49.51	24.01	54	0.8	0.84	1.3	5.4	<5.0	--	--	--	--	--	--	--
	09/14/07	--	26.85	--	49.51	22.66	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	12/14/07	--	27.11	--	49.51	22.4	<50	0.76	<0.5	2.3	2.6	<5.0	--	--	--	--	--	--	--
	03/12/08	--	23.5	--	49.51	26.01	<50	<0.5	<0.5	0.66	2.2	<5.0	--	--	--	--	--	--	--
	06/11/08	--	26.02	--	49.51	23.49	120	0.58	0.97	1.1	2	<5.0	--	--	--	--	--	--	--
	09/05/08	--	27.29	--	49.51	22.22	78	<0.5	0.6	0.98	2.1	<5.0	--	--	--	--	--	--	--
	12/13/08	--	27.96	--	49.51	21.55	59	0.93	<0.5	2.5	3.8	<5.0	--	--	--	--	--	--	--
	03/14/09	--	22.48	--	49.51	27.03	260	1.1	8.8	10	46	<5.0	--	--	--	--	--	--	--
	06/03/09	--	25.61	--	49.51	23.9	<50	<0.5	<0.5	0.65	0.69	<5.0	--	--	--	--	--	--	--
	12/07/09	--	27.40	--	49.51	22.11	190	1.2	1.6	5.8	13	<5.0	--	--	--	--	--	--	--
	03/15/10	--	22.26	--	49.51	27.25	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	09/13/10	--	26.40	--	49.51	23.11	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	<1.0	<2.0	8.0
	03/01/11	--	21.82	--	49.51	27.69	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/08/11	--	25.38	--	49.51	24.13	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/06/12	--	26.49	--	49.51	23.02	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	07/11/12	--	25.31	--	49.51	24.20	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/05/13	--	25.17	--	49.51	24.34	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/09/13	--	27.87	--	49.51	21.64	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/11/14	--	27.31	--	49.51	22.20	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/03/14	--	--	--	49.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-14	03/20/01	--	--	--	49.54	--	200	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/30/01	--	22.51	--	49.54	27.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/29/01	--	--	--	49.54	--	660	<0.5	<0.5	<0.5	4.6	--	--	--	--	--	--	--	--
	10/05/01	--	26.02	--	49.54	23.52	770	1.7	1.5	0.91	8.3	--	--	--	--	--	--	--	--
	12/21/01	--	--	--	49.54	--	1,500	3.1	13	1.9	22	--	--	--	--	--	--	--	--
	03/28/02	--	21.23	--	49.54	28.31	390	1.7	<0.5	<0.5	0.74	--	--	--	--	--	--	--	--
	06/28/02	--	--	--	49.54	--	120	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	09/30/02	--	25.45	--	49.54	24.09	210	<0.5	1.7	<0.5	1.1	--	--	--	--	--	--	--	--
	12/21/02	--	--	--	49.54	--	53	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	09/30/06	--	22.58	--	49.54	26.96	210	2.5	15	9.1	48	<5.0	--	--	--	--	--	--	--
	12/11/06	--	24.9	--	49.54	24.64	190	6.7	9.9	5.4	19	<5.0	--	--	--	--	--	--	--
	03/16/07	--	22.67	--	49.54	26.87	<50	<0.5	1.1	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	06/10/07	--	25.11	--	49.54	24.43	73	1.1	1.3	1.8	7.2	<5.0	--	--	--	--	--	--	--
	09/14/07	--	26.56	--	49.54	22.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	12/14/07	--	26.8	--	49.54	22.74	69	1.1	0.57	3.5	4.5	<5.0	--	--	--	--	--	--	--
	03/01/08	--	23.03	--	49.54	26.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	--	--	49.54	--	110	0.61	1.2	1.2	3.6	<5.0	--	--	--	--	--	--	--
	06/11/08	--	25.69	--	49.54	23.85	52	<0.5	0.68	<0.5	1	<5.0	--	--	--	--	--	--	--
	09/05/08	--	27.04	--	49.54	22.5	95	<0.5	1.3	0.61	2.3	<5.0	--	--	--	--	--	--	--
	12/13/08	--	27.72	--	49.54	21.82	220	1.5	4.3	3.2	5.1	<5.0	--	--	--	--	--	--	--
	03/14/09	--	22.22	--	49.54	27.32	360	1.4	12	13	61	<5.0	--	--	--	--	--	--	--
	06/03/09	--	25.3	--	49.54	24.24	68	<0.5	1.9	0.81	1.1	<5.0	--	--	--	--	--	--	--
	12/07/09	--	27.1	--	49.54	22.44	220	1.3	2.7	6.9	15	<5.0	--	--	--	--	--	--	--
	03/15/10	--	21.94	--	49.54	27.60	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	09/13/10	--	26.05	--	49.54	23.49	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	<1.0	<2.0	11
	03/01/11	--	21.50	--	49.54	28.04	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/08/11	--	25.02	--	49.54	24.52	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/06/12	--	26.13	--	49.54	23.41	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	07/11/12	--	24.92	--	49.54	24.62	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/05/13	--	24.75	--	49.54	24.79	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/09/13	--	27.57	--	49.54	21.97	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/11/14	--	26.95	--	49.54	22.59	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/03/14	--	28.50	--	49.54	21.04	160	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-1A	05/30/97	--	--	--	48.24	--	12,000	18	8.7	90	540	--	--	--	--	--	--	--	--
	12/30/98	--	23.6	--	48.24	24.64	51	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	03/13/99	--	18.85	--	48.24	29.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	--	--	48.24	--	1,800	4	<0.5	3	7.5	--	--	--	--	--	--	--	--
	03/23/99	--	--	--	48.24	--	2,200	10	0.52	3.1	7.1	--	--	--	--	--	--	--	--
	09/29/99	--	24.35	--	48.24	23.89	13,000	63	26	30	72	--	--	--	--	--	--	--	--
	12/29/99	--	24.95	--	48.24	23.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/08/00	--	--	--	48.24	--	6,100	36	<5	9.7	45	--	--	--	--	--	--	--	--
	03/18/00	--	16.99	--	48.24	31.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/18/00	--	22.6	--	48.24	25.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/00	--	23.76	--	48.24	24.48	11,000	14	<5	65	150	--	--	--	--	--	--	--	--
	12/28/00	--	24.11	--	48.24	24.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/30/01	--	21.22	--	48.24	27.02	4,800	30	6	<5	7	51 / <5.0	--	--	--	--	--	--	--
	10/05/01	--	24.86	--	48.24	23.38	15,000	76	41	36	140	--	--	--	--	--	--	--	--
	03/28/02	--	20.1	--	48.24	28.14	9,300	35	<12.5	17	32	--	--	--	--	--	--	--	--
	09/30/02	--	24.28	--	48.24	23.96	23,000	<50	63	77	230	--	--	--	--	--	--	--	--
	09/30/06	--	23.03	--	48.24	25.21	2,500	4.1	25	22	49	<5.0	--	--	--	--	--	--	--
	03/16/07	--	--	--	48.24	--	1,800	1.8	17	6.4	4.4	<5.0	--	--	--	--	--	--	--
	09/14/07	--	25.13	--	48.24	23.11	1,500	1.1	15	2.8	1.8	<5.0	--	--	--	--	--	--	--
	12/14/07	--	25.43	--	48.24	22.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	21.75	--	48.24	26.49	1,200	2.1	12	5	3.6	<5.0	--	--	--	--	--	--	--
	06/11/08	--	24.24	--	48.24	24	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	25.62	--	48.24	22.62	1,900	2.4	14	10	5.4	<5.0	--	--	--	--	--	--	--
	12/13/08	--	26.33	--	48.24	21.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	--	21.07	--	48.24	27.17	1,700	2.5	13	11	32	<5.0	--	--	--	--	--	--	--
	03/15/10	--	20.52	--	48.24	27.72	2,400	<0.50	<0.50	5.5	2.3	<0.50	--	--	--	--	--	--	--
	09/13/10	--	24.55	--	48.24	23.69	2,800	<0.50	<0.50	7.6	2.4	--	--	--	--	--	<1.0	<2.0	6.9
	03/01/11	--	20.02	--	48.24	28.22	2,600	<0.50	<0.50	6.2	2.3	--	--	--	--	--	--	--	--
	09/08/11	--	23.52	--	48.24	24.72	2,200	<1.0[5]	<1.0[5]	7.4	2.3	--	--	--	--	--	--	--	--
	03/06/12	--	24.60	--	48.24	23.64	2,100	<1.0[5]	<1.0[5]	9.0	2.2	--	--	--	--	--	--	--	--
	07/11/12	--	23.45	--	48.24	24.79	4,200	<2.0[5]	<2.0[5]	6.4	2.6	--	--	--	--	--	--	--	--
	03/05/13	--	23.28	--	48.24	24.96	1,200	<1.0[5]	<1.0[5]	4.8	<1.0[5]	--	--	--	--	--	--	--	--
	09/09/13	--	26.11	--	48.24	22.13	3,200	<1.0[5]	<1.0[5]	9.7	2.2	--	--	--	--	--	--	--	--
	03/11/14	--	25.50	--	48.24	22.74	3,400	<1.0[5]	<1.0[5]	12	<1.0[5]	--	--	--	--	--	--	--	--
	09/03/14	--	27.00	--	48.24	21.24	4,900	<1.5[5]	<1.5[5]	8.8	<1.5[5]	--	--	--	--	--	--	--	--
MW-15	10/27/14	27.75	27.91	0.16	--	--	71,000	140	2,500	2,700	10,800	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
141	04/06/96	--	--	--	48.76	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
Farrelly	10/02/99	--	--	--	48.76	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	03/18/00	--	17.9	--	48.76	30.86	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	07/13/00	--	--	--	48.76	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/26/00	--	24.66	--	48.76	24.1	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/29/00	--	--	--	48.76	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0 [3]	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	03/20/01	--	--	--	48.76	--	--	--	--	--	--	<5.0 [3]	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	03/30/01	--	22.25	--	48.76	26.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/01	--	--	--	48.76	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/30/02	--	25.34	--	48.76	23.42	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	12/21/02	--	20.07	--	48.76	28.69	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	06/19/03	--	23.55	--	48.76	25.21	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	09/14/04	--	26.12	--	48.76	22.64	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	03/16/07	--	22.28	--	48.76	26.48	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	09/14/07	--	25.98	--	48.76	22.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/12/08	--	--	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	--	--	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	--	26.48	--	48.76	22.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	12/13/08	--	27.2	--	48.76	21.56	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/14/09	--	--	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/03/09	--	25.83	--	48.76	22.93	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	12/07/09	--	--	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/10	--	--	--	48.76	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	09/13/10	--	--	--	48.76	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	<1.0	<2.0	<5.0
	03/01/11	--	--	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/08/11	--	24.50	--	48.76	24.26	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/06/12	--	25.57	--	48.76	23.19	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	07/11/12	--	--	--	48.76	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	03/05/13	--	--	--	48.76	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/09/13	--	--	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/11/14	--	--	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/03/14	--	--	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 5
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Thickness (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)

Legend/Key:

GRO = Gasoline Range Organics C4-C13

MTBE = Methyl tertiary butyl ether

TBA = Tertiary butyl alcohol

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

EDB = 1,2-Dibromoethane

-- = not measured, not analyzed, or not available

ft msl = feet above mean sea level

µg/L = micrograms per liter

Analytical Methods:

GRO analyzed according to EPA Method 8015B

BTEX and MTBE analyzed according to EPA Method 8020/8021B prior to 2010

Beginning in 2010, BTEX, MTBE, TBA, DIPE, ETBE, and TAME analyzed by EPA Method 8260B

Laboratory Qualifiers/Flags/Notes:

[1] GRO reported as Total Petroleum Hydrocarbons as Gasoline (TPHg) prior to 2010

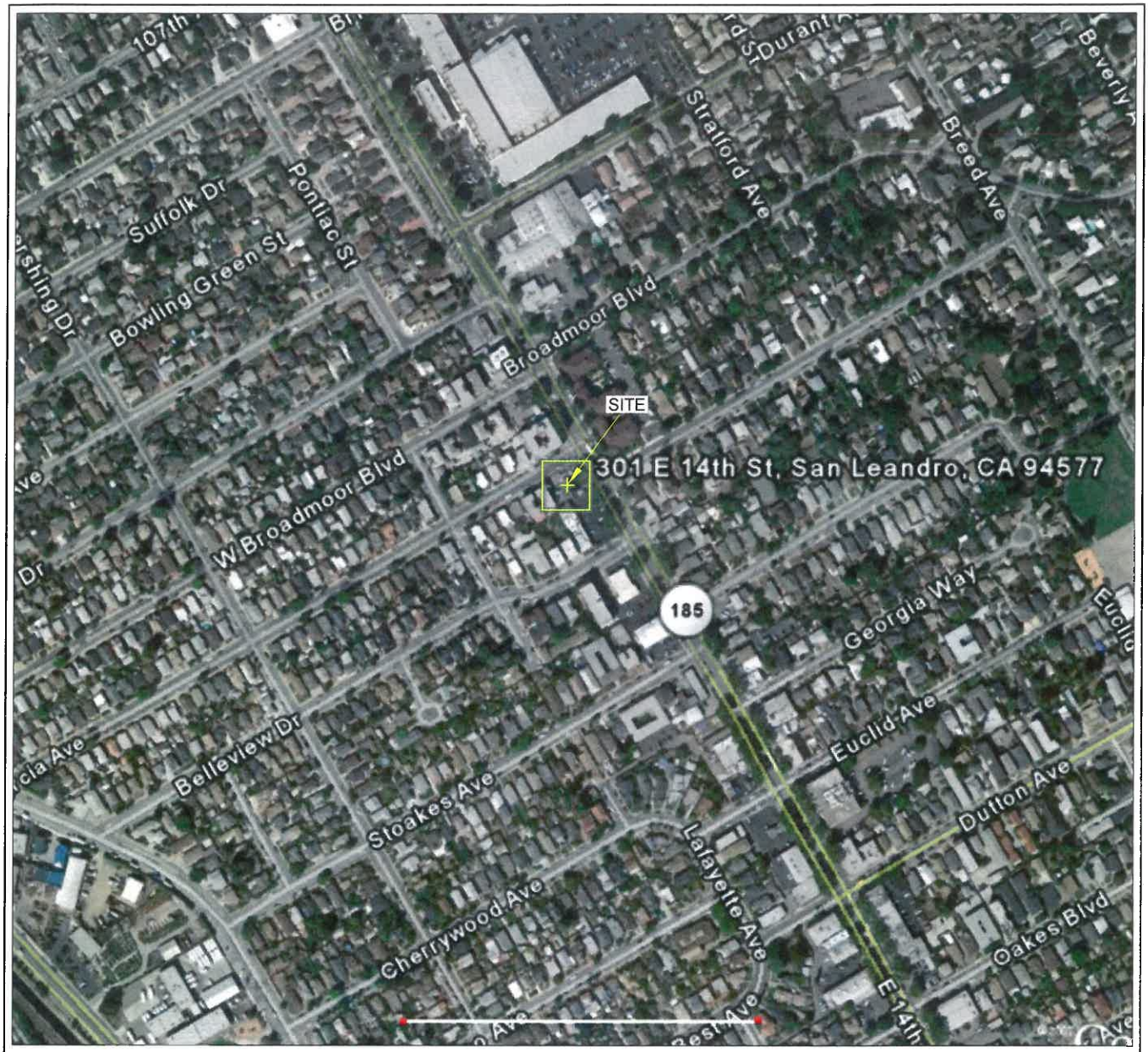
[2] This value may be inaccurate. *Second Quarter 1996 Environmental Activities Report,* dated August 8, 1996 by Environmental Testing & Management casts doubt on the validity of this laboratory result.

[3] When two MTBE results listed, the first is by EPA 8020/8021 and second is confirmation by 8260. If only one result, by 8260

[4] All MTBE results by EPA 8020, except where qualified by [3] and during 3/15/10 event when analyzed by 8260

[5] Reporting limits were increased due to high concentrations of target analytes

Analytical data present here prior to first quarter 2010 provided by Groundwater Cleaners, Inc. Stratus has not reviewed laboratory reports and makes no representations regarding accuracy of these data.



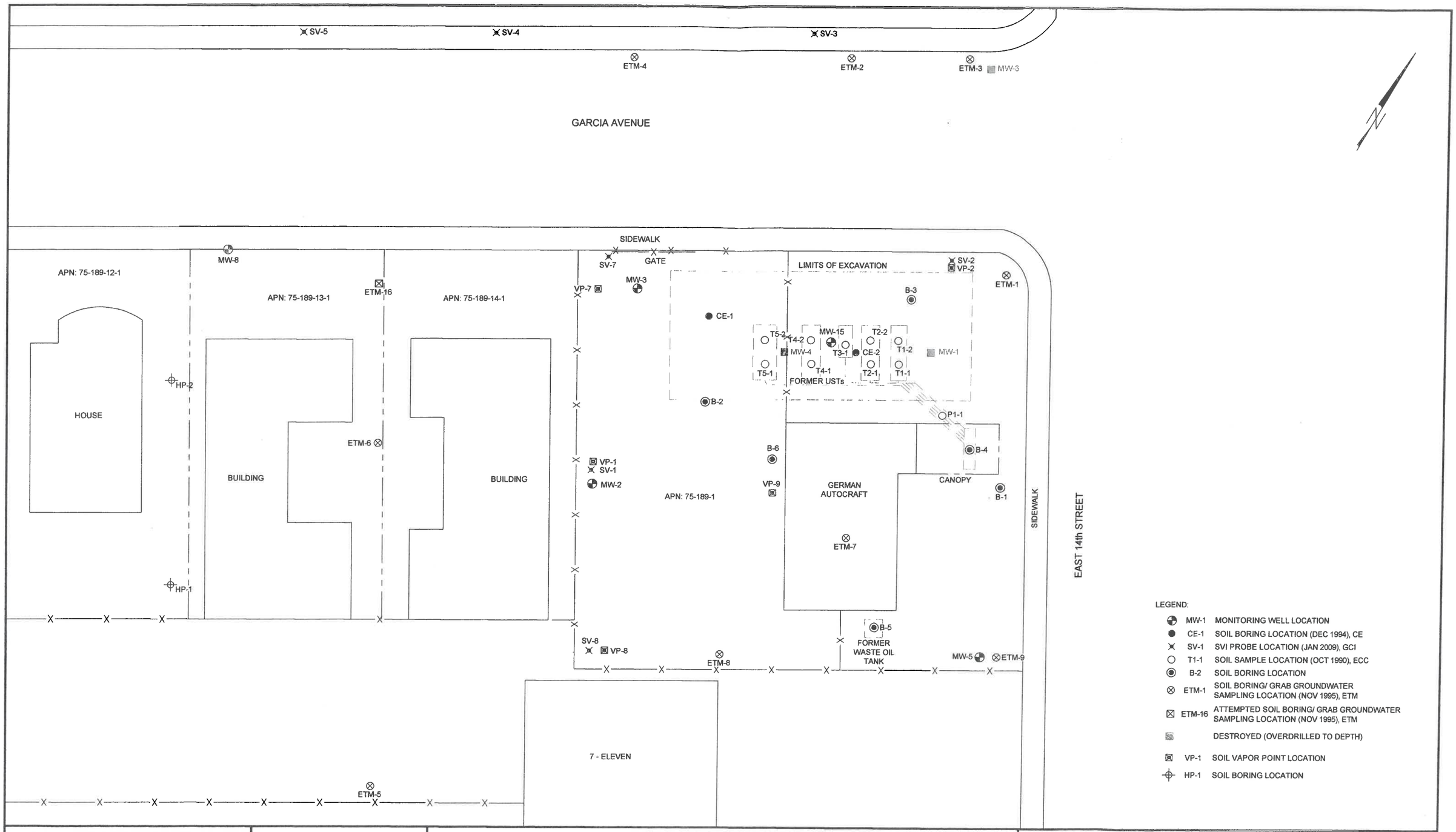
QUADRANGLE LOCATION

N

0 1,000 FT

APPROXIMATE SCALE

STRATUS ENVIRONMENTAL, INC.	GERMAN AUTOCRAFT 301 EAST 14th STREET SAN LEANDRO, CALIFORNIA SITE LOCATION MAP	FIGURE 1 PROJECT NO. 2076-0301-01



STRATUS ENVIRONMENTAL, INC.

PATH NAME: German Auto
DRAFTER INITIALS: JMP
DATE LAST REVISED: October 30, 2014
FILENAME: German Auto Siteplan

0 20 FT
SCALE

GERMAN AUTOCRAFT
301 EAST 14th STREET
SAN LEANDRO, CALIFORNIA

SITE PLAN

FIGURE
2

PROJECT NO.
2076-0301-01

APPENDIX A

BORING LOGS / WELL CONSTRUCTION DETAILS

SOIL BORING/WELL CONSTRUCTION LOG

Boring No. MW-15 **Sheet: 1 of 2**

Client	German Autocraft	Date	September 25, 2014
Address	301 East 14th Street	Drilling Co.	Penecore Drilling rig type: GP 7822DP
	San Leandro, California	Driller	Sean
Project No.	2076-0301-01	Method	Direct-push/HSA Hole Diameter: 8 inches
Logged By:	Allan Dudding	Sampler:	5-foot long acetate sample liners

Well Pack	sand: 18 ft. to 35 ft.	Well Construction	Casing Material: Schedule 40 PVC	Screen Interval:	20 to 35 ft.
	bent.: 16 ft. to 18 ft.		Casing Diameter: 2 in.	Screen Slot Size:	0.020-in.
	grout: 0 ft. to 16 ft.	Depth to GW:	▽ first encountered: 26 feet bgs	▼ Static:	

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						1		Borehole hand-cleared to 5 feet bgs. Surface paved with asphalt.	
						2		Excavation backfill - sand and gravel.	
						3			
						4			
						5			
						6			
						7			
						8			
						9			
						10			
						11			
						12			
						13	CL	Clay with Silt, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 80% clay, 20% silt.	
						14			
S	MW-15-15		1012			15			0
						16			
						17			
						18			
						19		As above, color changes to dark olive gray (5Y 3/2).	
S	MW-15-20		1015			20			34.5

Recovery
Sample

Comments: Free product observed in drill cuttings.

STRATUS ENVIRONMENTAL, INC.

SOIL BORING/WELL CONSTRUCTION LOG

Boring No. MW-15 **Sheet: 2 of 2**

Client	German Autocraft	Date	September 25, 2014
Address	301 East 14th Street	Drilling Co.	Penecore Drilling rig type: GP 7822DP
	San Leandro, California	Driller	Sean
Project No.	2076-0301-01	Method	Direct-push/HSA Hole Diameter: 8 inches
Logged By:	Allan Dudding	Sampler:	5-foot long acetate sample liners

Well Pack	sand: 18 ft. to 35 ft.	Well Construction	Casing Material: Schedule 40 PVC	Screen Interval:	20 to 35 ft.
	bent.: 16 ft. to 18 ft.		Casing Diameter: 2 in.	Screen Slot Size:	0.020-in.
	grout: 0 ft. to 16 ft.	Depth to GW:	▽ first encountered: 26 feet bgs	▼ Static:	

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						21	CL	Clay with silt, CL, dark olive gray (5Y 3/2), moist, medium plasticity, 80% clay, 20% silt.	
						22			
						23	ML	Clayey Silt, ML, olive (5Y 4/3), moist, low plasticity, 60% clay, 40% silt, trace fine sand.	
						24		As above, no sand.	
S	MW-15-25		1026			25			1,000+
						26	▽		
						27			
						28	SC-SM	Clayey, Silty Sand, SC-SM, dark gray (5Y 4/1), wet, 70% fine to medium sand, 30% fines.	
						29			
S	MW-15-30		1035			30			1,000+
						31			
						32	SW	Well-graded Sand, SW, dark gray (5Y 4/1), wet, 95% fine to coarse sand, 5% fines.	
						33			
						34			
S	MW-15-35		1045			35			1,000+
						36			
						37			
						38			
						39			
						40			

Recovery
Sample

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG

Boring No. HP-1 **Sheet: 1 of 2**

Client	German Autocraft	Date	September 26, 2014
Address	301 East 14th Street	Drilling Co.	Penecore Drilling rig type: GP 7822DT
	San Leandro, CA	Driller	Sean
Project No.	2076-0301-01	Method	Direct push Hole Diameter: 2.5 inches
Logged By:	Allan Dudding	Sampler:	5-foot long x 1.5-inch diameter acetate sample liners

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
					1		Concrete at surface, boring cleared with hand auger to 5 feet bgs.	
					2			
					3			
					4			
					5			
					6	CL	Silty Clay, CL, dark brown (10YR 3/3), moist, medium plasticity, 70% clay, 30% silt.	
					7			
					8			
					9			
S	HP-1-10		0850		10			0
					11			
					12			
					13			
					14	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), low plasticity, 60% clay, 40% silt.	
S	HP-1-15		0857		15			0
					16			
					17			
					18	CL	Sandy, Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 50% clay, 30% silt, 20% fine to medium sand.	
					19			
S	HP-1-20		0905		20			0

Recovery
Sample

Comments: Color descriptions from Munsell Color Chart.

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. HP-1** **Sheet: 2 of 2**

Client	German Autocraft	Date	September 26, 2014
Address	301 East 14th Street	Drilling Co.	Penecore Drilling rig type: GP 7822DT
	San Leandro, CA	Driller	Sean
Project No.	2076-0301-01	Method	Direct push Hole Diameter: 2.5 inches
Logged By:	Allan Dudding	Sampler:	5-foot long x 1.5-inch diameter acetate sample liners

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
					21	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	
					22			
					23			
					24	ML	Clayey Silt, ML, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% silt, 40% clay.	
S	HP-1-25		0915		25			0
					26			
					27	SC-SM	Silty, Clayey Sand, SC-SM, dark yellowish brown (10YR 4/4), moist, 70% fine sand, 30% fines.	
					28			
					29			
S	HP-1-30		0925		30	CL	Clay with silt, CL, dark yellowish brown (10YR 4/4), moist, 80% clay, 20% silt.	0
					31			
					32			
S	HP-1-33		0930		33		As above, color changes to olive gray (5Y 4/2).	22.2
					34			
S	HP-1-35		0932		35	CL	Sandy, Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 50% clay, 30% fine sand, 20% silt.	0
					36	ML	Clayey, Sandy Silt, ML, dark yellowish brown (10YR 4/4), moist, low plasticity, 50% silt, 30% clay, 20% fine sand.	
					37			
S	HP-1-38		1000		38	CL	Clay with Silt, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 80% clay, 20% silt.	0
					39			
					40			

Recovery
Sample

Comments: Color descriptions from Munsell Color Chart.

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. HP-2** **Sheet: 1 of 2**

Client	German Autocraft	Date	September 26, 2014
Address	301 East 14th Street	Drilling Co.	Penecore Drilling rig type: GP 7822DT
	San Leandro, CA	Driller	Sean
Project No.	2076-0301-01	Method	Direct push Hole Diameter: 2.5 inches
Logged By:	Allan Dudding	Sampler:	5-foot long x 1.5-inch diameter acetate sample liners

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
					1		Concrete at surface, boring cleared with hand auger to 5 feet bgs.	
					2			
					3			
					4			
					5			
					6	ML	Clayey Silt, ML, dark yellowish brown (10YR 4/4), moist, nonplastic, 70% silt, 30% clay.	
					7			
					8			
					9			
S	HP-2-10		1010		10	CL	Silty Clay, CL, black (10YYR 2/1), moist, low plasticity, 70% clay, 30% silt.	0
					11		As above, color changes to dark yellowish brown (10YR 4/4).	
					12			
					13			
					14			
S	HP-2-15		1018		15			0
					16	ML	Clayey Silt, ML, dark yellowish brown (10YR 4/4), moist, non-plastic, 70% silt, 30% clay.	
					17			
					18	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	
					19			
S	HP-2-20		1033		20			0

Recovery
Sample

Comments: Color descriptions from Munsell Color Chart.

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. HP-2** **Sheet: 2 of 2**

Client	German Autocraft	Date	September 26, 2014
Address	301 East 14th Street	Drilling Co.	Penecore Drilling rig type: GP 7822DT
	San Leandro, CA	Driller	Sean
Project No.	2076-0301-01	Method	Direct push Hole Diameter: 2.5 inches
Logged By:	Allan Dudding	Sampler:	5-foot long x 1.5-inch diameter acetate sample liners

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
					21	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	
					22			
					23			
					24	SC	Clayey Sand, SC, dark yellowish brown (10YR 4/4), moist, 60% fine sand, 30% clay, 10% silt.	
S	HP-2-25		1037		25			0
					26			
					27	▽		
					28		-- at 27 feet bgs, soil exhibits dilatant moisture.	
					29	CL	Clay with silt, CL, olive gray (5Y 4/2), moist, medium plasticity, 80% clay, 20% silt.	
S	HP-2-30		1052		30			0
					31			
					32			
S	HP-2-33		1102		33			19.8
					34			
S	HP-2-35		1104		35			2.4
					36			
					37			
					38			
					39			
					40			

Recovery
Sample

Comments: Color descriptions from Munsell Color Chart.

STRATUS ENVIRONMENTAL, INC.

SOIL VAPOR POINT DETAIL

PROJECT NUMBER 2076-0301-01

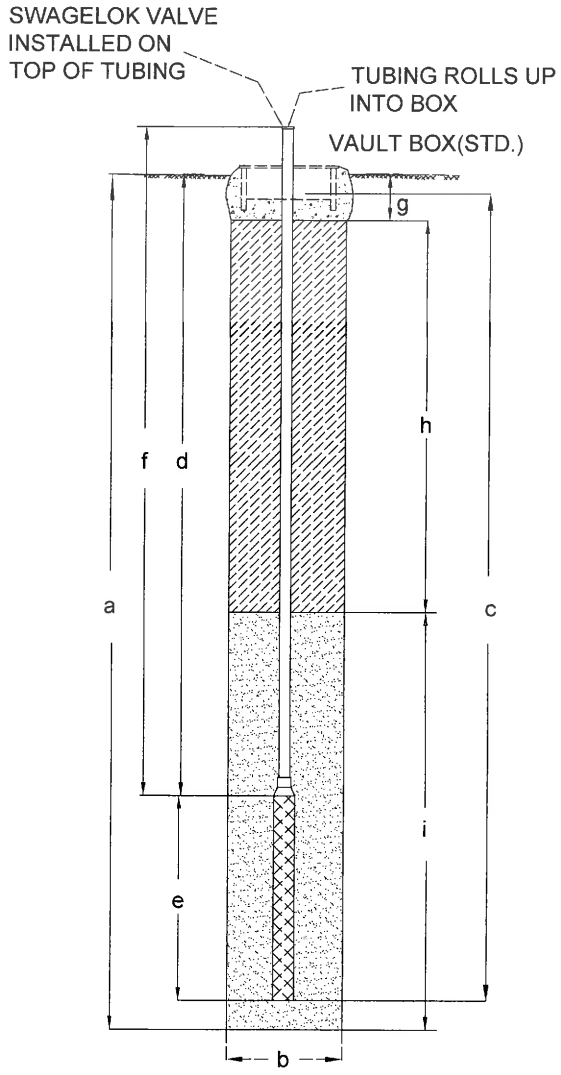
PROJECT NAME German Autocraft

LOCATION 301 E 14th Street, San Leandro, CA

VAPOR PROBE NO. VP-1, 2, 7, 8, 9

PERMIT NO. W2014-0579

INSTALLATION DATE September 25, 2014



BENTONITE

CONCRETE

GROUT

SAND

MESH IMPLANT

NOT TO SCALE

EXPLORATORY BORING

a. TOTAL DEPTH 6 ft.

b. DIAMETER 3 in.

DRILLING METHOD Direct Push

PROBE CONSTRUCTION

c. TOTAL PROBE DEPTH 5.5 ft.

PROBE SCREEN MATERIAL Stainless Steel Mesh

d. DEPTH TO TOP PERFORATIONS 5.4 ft.

e. SCREENED

INTERVAL FROM 5.4 TO 5.5 ft.

f. LENGTH OF TUBING 6 ft.

TUBING CONNECTED TO IMPLANT AT 5.4 ft.

TUBING DIAMETER 0.25 in.

TUBING MATERIAL Teflon

g. SURFACE SEAL 0 to 1 ft.

SEAL MATERIAL Concrete

h. SEAL 1.0 to 5 ft.

SEAL MATERIAL Hydrated Bentonite

i. FILTER PACK 5 to 6 ft.

FILTER PACK MATERIAL #3 Sand

APPENDIX B

WELL INSTALLATION PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

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

Application Approved on: 06/11/2014 By jamesy

Permit Numbers: W2014-0578 to W2014-0580
Permits Valid from 06/18/2014 to 06/19/2014

Application Id:	1401321469418
Site Location:	301 E 14th St, San Leandro, CA
Project Start Date:	06/18/2014
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org
Applicant:	Stratus - Allan Dudding 3330 Cameron Park Dr #550, Cameron Park, CA 95682
Property Owner:	Seung Lee 301 E 14th St, San Leandro, CA 94577
Client:	** same as Property Owner **

City of Project Site: San Leandro

Completion Date: 06/19/2014

Phone: 530-676-2064

Phone: --

	Total Due:	$927.00
Receipt Number: WR2014-0238	**Total Amount Paid:**	$927.00
Payer Name : Stratus	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 1 Wells
Driller: Penecore - Lic #: 906899 - Method: other

Work Total: $397.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2014-0578	06/11/2014	09/16/2014	MW15	8.00 in.	2.00 in.	18.00 ft	35.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit

number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

6. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie.

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

Well Construction-Vapor monitoring well-Vapor monitoring well - 5 Wells
Driller: Penecore - Lic #: 906899 - Method: other **Work Total: $265.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2014-0579	06/11/2014	09/16/2014	VP1	3.00 in.	0.25 in.	5.00 ft	6.00 ft
W2014-0579	06/11/2014	09/16/2014	VP2	3.00 in.	0.25 in.	5.00 ft	6.00 ft
W2014-0579	06/11/2014	09/16/2014	VP7	3.00 in.	0.25 in.	5.00 ft	6.00 ft
W2014-0579	06/11/2014	09/16/2014	VP8	3.00 in.	0.25 in.	5.00 ft	6.00 ft
W2014-0579	06/11/2014	09/16/2014	VP9	3.00 in.	0.25 in.	5.00 ft	6.00 ft

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days, including permit number and site map.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

5. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

6. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.

7. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

8. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

9. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

11. Vapor monitoring wells above water level constructed with tubing maybe be backfilled with pancake-batter consistency bentonite. Minimum surface seal thickness is two inches of cement grout around well box.

Vapor monitoring wells above water level constructed with pvc pipe shall have a minimum seal depth (Neat Cement Seal) of 2 feet below ground surface (BGS). Minimum surface seal thickness is two inches of cement grout around well box. All other conditions for monitoring well construction shall apply.

Borehole(s) for Investigation-Environmental/Monitorinig Study - 2 Boreholes
Driller: Penecore - Lic #: 906899 - Method: other **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2014-0580	06/11/2014	09/16/2014	2	2.00 in.	30.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

Alameda County Public Works Agency - Water Resources Well Permit

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

6. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

APPENDIX C

FIELD DATA SHEETS

Soil Vapor Sampling Field Data Sheet

Site: German Autocraft

Date: 10/23/14 Sampler: C S

Vapor Point Name	Flow Controller Number	Purge Can Number	Leak Test Start		Leak Test End		Purge Start		Purge End		Sample Can Number	Sample Start		Sample End (sample time)	
			Time	Pressure	Time	Pressure	Time	Pressure	Time	Pressure		Time	Pressure	Time	Pressure
VP-1	30564	1052	1344	16	1346	16	1347	16	1359	11	31855	1359	30	1308	5
VP-2	20161	↓	1220	30	1220	30	1224	30	1231	26	36906	1231	30	1239	5
VP-7	30809		1415	8	1417	8	1418	8	1429	4	11430	1429	30	1437	3
VP-8	20145		1318	20	1320	20	1320	20	1328	16	4129	1328	30	1336	5
VP-9	30557	↓	1251	24	1253	24	1255	24	1259	20	IL1578	1259	30	1307	4

Purge Volume:
tube int. volume: 6 ft. tube x 0.010 L/ft. = 0.06

filter pack purge volume: + 0.185

Single purge volume: = 0.245

Number of purge volumes: x3 0.735 Total purge volume

2" diameter filter pack volume: 0.185 liters
3" diameter filter pack volume: 0.417 liters
--assuming 1 foot filter pack, 30% porosity.
--28.32 liters per cubic foot conversion.

STRATUS ENVIRONMENTAL, INC.

Site Address 301 East 14th Street
City San Leandro
Sampled by: Ben Gooding
Signature

Site Number German Auto
Project Number 2076-0301-01
Project PM Trevor Hartwell
DATE 10/27/14

10.395 + 1.148 = 11.48

Water Level Data					Purge Volume Calculations					Purge Method				Sample Record			Field Data
Well ID	Time	Depth to Product (feet)	Depth to Water (feet)	Total Depth (feet)	Water column (feet)	Diameter (inches)	Multiplier	3 casing volumes (gallons)	Actual water purged (gallons)	No Purge	Bailer	Pump	other	DTW at sample time (feet)	Sample I.D	Sample Time	DO (mg/L)
MW-15	1237	27.75	27.91	34.30	6.89	2"	.5	3.445	12		X			28.82	MW-15	1332	1.64

Multiplier
2" = 0.5 3" = 1.0 4" = 2.0 6" = 4.4

Please refer to groundwater sampling field procedures
pH/Conductivity/temperature Meter - Oakton Model PC-10
DO Meter - Oakton 300 Series (DO is always measured before purge)

CALIBRATION DATE
pH
Conductivity
DO

T:\Forms

STRATUS ENVIRONMENTAL, INC.

Site Address 301 E 14th Street
City San Leandro
Sampled By: Ben Gooding
Signature [signature]

Site Number German Auto
Project Number 2076-0301-01
Project PM Trevor Hartwell
DATE 10/27/14

Well ID MW-15		28.82		
Purge start time			Odor (Y) N	
	Temp C	pH	cond	gallons
time 1254	20.5	7.07	1319	0
time 1305	20.4	7.31	958	4
time 1315	20.1	7.11	871	8
time 1332	21.2	7.05	836	12
purge stop time DO: 1.84			ORP 75	

Well ID				
Purge start time			Odor Y N	
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time			ORP	

Well ID				
Purge start time			Odor Y N	
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time			ORP	

Well ID				
Purge start time			Odor Y N	
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time			ORP	

Well ID				
Purge start time			Odor Y N	
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time			ORP	

Well ID				
Purge start time			Odor Y N	
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time			ORP	

Well ID				
Purge start time			Odor Y N	
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time			ORP	

Well ID				
Purge start time			Odor Y N	
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time			ORP	

WELLHEAD OBSERVATION FORM

STRATUS ENVIRONMENTAL, INC.

Site Name/Number: German Auto *Date:* 10/27/14 *Technican:* Dan Gooding

Well I.D.	Box in Good Condition? X = Yes Blank = No	Well lid secure? X=Yes If not call PM prior to departure	Lock Missing? X = Yes (replaced) Blank = No	Water in Wellbox? X = Yes Blank = No	Water Level Relative to Cap? A = Above cap B = Below cap L = Level w/cap	Well Cap? I = Intact M = Missing or Compromised (replaced)	Bolts Missing? # of missing/ Total # *	Bolts Stripped? # of stripped/ Total # *	Bolt Holes Stripped? # of stripped/ Total # *	Cracked or Broken Lid? X = Yes Blank = No *	Cracked or Broken Box? X = Yes Blank = No *	Grout Level more than 1ft below TOC? X = Yes Blank = No *	Additional Comments (such as missing lid, concrete needs replacement, or other - explain)
MW5	X	X				I						X	

* Explain corrective action taken (replaced bolt/tapped bolt hole etc…) or if a safety issue, please call PM

DRUM INVENTORY

Drums on site? Yes (No) (circle)

Type and # Steel: _____ Plastic: _____

Note whether drums are full or empty, solids or liquids:

_____

_____

Drum label info (description, date, contact info):

_____

_____

GENERAL SITE CONDITIONS

Make notes on housekeeping conditions (such as trash around remediation system enclosure/compound, bent or missing bollards, signs missing from compound fences, grafitti on compound, etc.)

_____

_____

_____

_____

_____

_____

(updated 7-09-09, CH)

APPENDIX D

GEOTRACKER UPLOAD CONFIRMATIONS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**EDF**
Report Title:	**Site Investigation Report**
Report Type:	**Site Investigation**
Facility Global ID:	**T0600100639**
Facility Name:	**GERMAN AUTOCRAFT**
File Name:	**14092640_EDF.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**12/3/2014 12:35:22 PM**
Confirmation Number:	**8301795303**

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**EDF**
Report Title:	**Site Investigation Report**
Report Type:	**Site Investigation**
Facility Global ID:	**T0600100639**
Facility Name:	**GERMAN AUTOCRAFT**
File Name:	**14100251_EDF.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**12/3/2014 12:35:45 PM**
Confirmation Number:	**5998632848**

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**EDF**
Report Title:	**Site Investigation Report**
Report Type:	**Site Investigation**
Facility Global ID:	**T0600100639**
Facility Name:	**GERMAN AUTOCRAFT**
File Name:	**14102940_EDF.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**12/3/2014 12:36:08 PM**
Confirmation Number:	**7201591253**

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**EDF**
Report Title:	**Site Investigation Report**
Report Type:	**Site Investigation**
Facility Global ID:	**T0600100639**
Facility Name:	**GERMAN AUTOCRAFT**
File Name:	**14102942_EDF.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**12/3/2014 12:36:31 PM**
Confirmation Number:	**6579139053**

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**EDF**
Report Title:	**Soil Vapor Analytical**
Report Type:	**Site Investigation**
Facility Global ID:	**T0600100639**
Facility Name:	**GERMAN AUTOCRAFT**
File Name:	**1410376_German Autocraft.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**12/16/2014 9:44:28 AM**
Confirmation Number:	7617165744

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

Submittal Type:	**GEO_BORE**
Facility Global ID:	**T0600100639**
Field Point:	**MW-15**
Facility Name:	**GERMAN AUTOCRAFT**
File Name:	**Boring log MW-15.pdf**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**12/16/2014 9:42:44 AM**
Confirmation Number:	**6507727921**

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

Submittal Type:	**GEO_BORE**
Facility Global ID:	**T0600100639**
Field Point:	**HP-1**
Facility Name:	**GERMAN AUTOCRAFT**
File Name:	**Boring log HP-1.pdf**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**12/16/2014 9:41:53 AM**
Confirmation Number:	**2589163243**

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

Submittal Type:	**GEO_BORE**
Facility Global ID:	**T0600100639**
Field Point:	**HP-2**
Facility Name:	**GERMAN AUTOCRAFT**
File Name:	**Boring log HP-2.pdf**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**12/16/2014 9:42:17 AM**
Confirmation Number:	**2619117081**

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

Submittal Type:	**GEO_BORE**
Facility Global ID:	**T0600100639**
Field Point:	**VP-1**
Facility Name:	**GERMAN AUTOCRAFT**
File Name:	**Well Construction VPs.pdf**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**12/16/2014 2:54:26 PM**
Confirmation Number:	**8887992620**

APPENDIX E

ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Trevor Hartwell
Phone: (530) 676-6004
Fax: (530) 676-6005
Date Received : 09/26/14

Job: German Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration		Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**MW-15-15**						
Lab ID :	STR14092640-01A	TPH-P (GRO)	ND		1,000 µg/Kg	10/02/14	10/02/14
Date Sampled	09/25/14 10:12	Benzene	ND		5.0 µg/Kg	10/02/14	10/02/14
		Toluene	ND		5.0 µg/Kg	10/02/14	10/02/14
		Ethylbenzene	ND		5.0 µg/Kg	10/02/14	10/02/14
		m,p-Xylene	ND		5.0 µg/Kg	10/02/14	10/02/14
		o-Xylene	ND		5.0 µg/Kg	10/02/14	10/02/14
		Naphthalene	ND		40 µg/Kg	10/02/14	10/02/14
Client ID :	**MW-15-20**						
Lab ID :	STR14092640-02A	TPH-P (GRO)	71,000		4,000 µg/Kg	10/02/14	10/02/14
Date Sampled	09/25/14 10:15	Benzene	63		20 µg/Kg	10/02/14	10/02/14
		Toluene	ND	V	20 µg/Kg	10/02/14	10/02/14
		Ethylbenzene	570		20 µg/Kg	10/02/14	10/02/14
		m,p-Xylene	590		20 µg/Kg	10/02/14	10/02/14
		o-Xylene	ND	V	20 µg/Kg	10/02/14	10/02/14
		Naphthalene	920		160 µg/Kg	10/02/14	10/02/14
Client ID :	**MW-15-25**						
Lab ID :	STR14092640-03A	TPH-P (GRO)	2,300,000		500,000 µg/Kg	10/02/14	10/02/14
Date Sampled	09/25/14 10:26	Benzene	3,200		2,500 µg/Kg	10/02/14	10/02/14
		Toluene	210,000		2,500 µg/Kg	10/02/14	10/02/14
		Ethylbenzene	85,000		2,500 µg/Kg	10/02/14	10/02/14
		m,p-Xylene	330,000		2,500 µg/Kg	10/02/14	10/02/14
		o-Xylene	120,000		2,500 µg/Kg	10/02/14	10/02/14
		Naphthalene	78,000		20,000 µg/Kg	10/02/14	10/02/14
Client ID :	**MW-15-30**						
Lab ID :	STR14092640-04A	TPH-P (GRO)	3,200,000		200,000 µg/Kg	10/02/14	10/02/14
Date Sampled	09/25/14 10:35	Benzene	2,100		1,000 µg/Kg	10/02/14	10/02/14
		Toluene	90,000		1,000 µg/Kg	10/02/14	10/02/14
		Ethylbenzene	86,000		1,000 µg/Kg	10/02/14	10/02/14
		m,p-Xylene	310,000		1,000 µg/Kg	10/02/14	10/02/14
		o-Xylene	120,000		1,000 µg/Kg	10/02/14	10/02/14
		Naphthalene	36,000		8,000 µg/Kg	10/02/14	10/02/14
Client ID :	**MW-15-35**						
Lab ID :	STR14092640-05A	TPH-P (GRO)	620,000		40,000 µg/Kg	10/02/14	10/02/14
Date Sampled	09/25/14 10:45	Benzene	ND	V	200 µg/Kg	10/02/14	10/02/14
		Toluene	ND	V	200 µg/Kg	10/02/14	10/02/14
		Ethylbenzene	710		200 µg/Kg	10/02/14	10/02/14
		m,p-Xylene	1,700		200 µg/Kg	10/02/14	10/02/14
		o-Xylene	640		200 µg/Kg	10/02/14	10/02/14
		Naphthalene	4,600		1,600 µg/Kg	10/02/14	10/02/14

Alpha Analytical, Inc.

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Gasoline Range Organics (GRO) C4-C13

V = Reporting Limits were increased due to high concentrations of target analytes.

Sample results were calculated on a wet weight basis.
ND = Not Detected
Reported in micrograms per Kilogram, per client request.

ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/3/14

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 03-Oct-14

QC Summary Report

Work Order: 14092640

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14100112.D** Batch ID: **MS08S3595B** Analysis Date: **10/01/2014 15:59**

Sample ID: **MBLK MS08S3595B** Units : **µg/Kg** Run ID: **MSD_08_141002A** Prep Date: **10/01/2014 15:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	1000								
Surr: 1,2-Dichloroethane-d4	199		200		99	70	130			
Surr: Toluene-d8	221		200		111	70	130			
Surr: 4-Bromofluorobenzene	185		200		92	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14100118.D** Batch ID: **MS08S3595B** Analysis Date: **10/01/2014 18:21**

Sample ID: **GLCS MS08S3595B** Units : **µg/Kg** Run ID: **MSD_08_141002A** Prep Date: **10/01/2014 18:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	13400	2000	16000		83	63	149			
Surr: 1,2-Dichloroethane-d4	384		400		96	70	130			
Surr: Toluene-d8	386		400		97	70	130			
Surr: 4-Bromofluorobenzene	495		400		124	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14100119.D** Batch ID: **MS08S3595B** Analysis Date: **10/01/2014 18:44**

Sample ID: **14092540-02AGS** Units : **µg/Kg** Run ID: **MSD_08_141002A** Prep Date: **10/01/2014 18:44**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	12300	2000	16000	0	77	36	164			
Surr: 1,2-Dichloroethane-d4	395		400		99	70	130			
Surr: Toluene-d8	382		400		95	70	130			
Surr: 4-Bromofluorobenzene	485		400		121	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14100120.D** Batch ID: **MS08S3595B** Analysis Date: **10/01/2014 19:07**

Sample ID: **14092540-02AGSD** Units : **µg/Kg** Run ID: **MSD_08_141002A** Prep Date: **10/01/2014 19:07**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	12300	2000	16000	0	77	36	164	12300	0.2(40)	
Surr: 1,2-Dichloroethane-d4	401		400		100	70	130			
Surr: Toluene-d8	383		400		96	70	130			
Surr: 4-Bromofluorobenzene	484		400		121	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Kilogram, per client request.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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Date: 03-Oct-14

QC Summary Report

Work Order: 14092640

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **14100112.D** Batch ID: **MS08S3595A** Analysis Date: **10/01/2014 15:59**

Sample ID: **MBLK MS08S3595A** Units : **µg/Kg** Run ID: **MSD_08_141002A** Prep Date: **10/01/2014 15:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	ND	5								
Toluene	ND	5								
Ethylbenzene	ND	5								
m,p-Xylene	ND	5								
o-Xylene	ND	5								
Naphthalene	ND	40								
Surr: 1,2-Dichloroethane-d4	199		200		99	70	130			
Surr: Toluene-d8	221		200		111	70	130			
Surr: 4-Bromofluorobenzene	185		200		92	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **14100115.D** Batch ID: **MS08S3595A** Analysis Date: **10/01/2014 17:10**

Sample ID: **LCS MS08S3595A** Units : **µg/Kg** Run ID: **MSD_08_141002A** Prep Date: **10/01/2014 17:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	309	10	400		77	70	137			
Toluene	339	10	400		85	70	139			
Ethylbenzene	322	10	400		80	70	137			
m,p-Xylene	345	10	400		86	70	145			
o-Xylene	327	10	400		82	70	145			
Surr: 1,2-Dichloroethane-d4	429		400		107	70	130			
Surr: Toluene-d8	393		400		98	70	130			
Surr: 4-Bromofluorobenzene	468		400		117	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **14100116.D** Batch ID: **MS08S3595A** Analysis Date: **10/01/2014 17:34**

Sample ID: **14092540-01AMS** Units : **µg/Kg** Run ID: **MSD_08_141002A** Prep Date: **10/01/2014 17:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	272	10	400	0	68	52	151			
Toluene	298	10	400	0	75	47	154			
Ethylbenzene	287	10	400	0	72	52	154			
m,p-Xylene	312	10	400	0	78	51	162			
o-Xylene	294	10	400	0	74	52	162			
Surr: 1,2-Dichloroethane-d4	408		400		102	70	130			
Surr: Toluene-d8	392		400		98	70	130			
Surr: 4-Bromofluorobenzene	475		400		119	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **14100117.D** Batch ID: **MS08S3595A** Analysis Date: **10/01/2014 17:57**

Sample ID: **14092540-01AMSD** Units : **µg/Kg** Run ID: **MSD_08_141002A** Prep Date: **10/01/2014 17:57**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	276	10	400	0	69	52	151	271.7	1.6(30)	
Toluene	308	10	400	0	77	47	154	298.3	3.3(28)	
Ethylbenzene	293	10	400	0	73	52	154	287.4	1.8(37)	
m,p-Xylene	317	10	400	0	79	51	162	312.2	1.6(34)	
o-Xylene	302	10	400	0	76	52	162	294.3	2.7(40)	
Surr: 1,2-Dichloroethane-d4	397		400		99	70	130			
Surr: Toluene-d8	401		400		100	70	130			
Surr: 4-Bromofluorobenzene	480		400		120	70	130			

Alpha Analytical, Inc.

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Date: *03-Oct-14*

QC Summary Report

Work Order: 14092640

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : STR14092640

Report Due By : 5:00 PM On : 03-Oct-14

Report Attention	Phone Number	EMail Address
Trevor Hartwell	(530) 676-6004 x	thartwell@stratusinc.net

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

EDD Required : **Yes**

Sampled by : Allan Dudding

PO :

Client's COC # : 16726 Job : German Auto

Cooler Temp	Samples Received	Date Printed
4 °C	26-Sep-14	26-Sep-14

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_S	VOC_S							Sample Remarks
STR14092640-01A	MW-15-15	SO	09/25/14 10:12	1	0	5	GAS-C	BTXE/NAPH_C							
STR14092640-02A	MW-15-20	SO	09/25/14 10:15	1	0	5	GAS-C	BTXE/NAPH_C							
STR14092640-03A	MW-15-25	SO	09/25/14 10:26	1	0	5	GAS-C	BTXE/NAPH_C							
STR14092640-04A	MW-15-30	SO	09/25/14 10:35	1	0	5	GAS-C	BTXE/NAPH_C							
STR14092640-05A	MW-15-35	SO	09/25/14 10:45	1	0	5	GAS-C	BTXE/NAPH_C							

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:		ALLADNA CHACON	Alpha Analytical, Inc.	9/26/14 0951

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Stratus Env.
Attn:
Address:
City, State, Zip:
Phone Number: Fax:

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431 — Phone: 775-355-1044 Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 — Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 — Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 — Phone: 775-388-7043
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 — Phone: 702-281-4848

16726

Page # 1 of 1

Consultant/ Client Info:
Company: German Auto
Address: 301 W. 14th St.
City, State, Zip: San Leandro

Job and Purchase Order Info:
Job #
Job Name: German Auto
P.O. #:

Report Attention/Project Manager:
Name: Trevor Hartwell
Email Address: thartwell@stratusinc.net
Phone #:
Cell #:

QC Deliverable Info:
EDD Required? (Yes) / No — EDF Required? Yes / No
Global ID:
Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR CA KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	GRO	BTEX	Naphthalene								Remarks
1012	9/25	SO	STR14092040-01	MW-15-15	Std	1P		X	X	X	X								
1015	|	|	02	MW-15-20	|	|		|	|	|	|								
1026	|	|	03	MW-15-25	|	|		|	|	|	|								
1035	|	|	04	MW-15-30	|	|		|	|	|	|								
1045	|	|	05	MW-15-35	|	|		|	|	|	|								

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: Allen Dudeley

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature]	09/25/14	1230	[signature] Stratus	09/25/14	1230
[signature]	09/25/14	1520	Meryssa T	9-25-14	1520
			[signature]	9-26-14	0941

* Key: AQ - Aqueous WA - Waste OT - Other So-Soil ** L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Trevor Hartwell
Phone: (530) 676-6004
Fax: (530) 676-6005
Date Received : 10/02/14

Job: 2076-0301-01/German Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**HP-1-25**					
Lab ID :	STR14100251-01A	TPH-P (GRO)	ND	1,000 µg/Kg	10/03/14	10/09/14
Date Sampled	09/26/14 09:15	Benzene	ND	5.0 µg/Kg	10/03/14	10/09/14
		Toluene	ND	5.0 µg/Kg	10/03/14	10/09/14
		Ethylbenzene	ND	5.0 µg/Kg	10/03/14	10/09/14
		m,p-Xylene	ND	5.0 µg/Kg	10/03/14	10/09/14
		o-Xylene	ND	5.0 µg/Kg	10/03/14	10/09/14
		Naphthalene	ND	40 µg/Kg	10/03/14	10/09/14
Client ID :	**HP-1-30**					
Lab ID :	STR14100251-02A	TPH-P (GRO)	ND	1,000 µg/Kg	10/03/14	10/07/14
Date Sampled	09/26/14 09:25	Benzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Toluene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Ethylbenzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		m,p-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		o-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Naphthalene	ND	40 µg/Kg	10/03/14	10/07/14
Client ID :	**HP-1-33**					
Lab ID :	STR14100251-03A	TPH-P (GRO)	ND	1,000 µg/Kg	10/03/14	10/07/14
Date Sampled	09/26/14 09:50	Benzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Toluene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Ethylbenzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		m,p-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		o-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Naphthalene	ND	40 µg/Kg	10/03/14	10/07/14
Client ID :	**HP-1-38**					
Lab ID :	STR14100251-04A	TPH-P (GRO)	ND	1,000 µg/Kg	10/03/14	10/07/14
Date Sampled	09/26/14 10:00	Benzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Toluene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Ethylbenzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		m,p-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		o-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Naphthalene	ND	40 µg/Kg	10/03/14	10/07/14
Client ID :	**HP-2-25**					
Lab ID :	STR14100251-05A	TPH-P (GRO)	ND	1,000 µg/Kg	10/03/14	10/07/14
Date Sampled	09/26/14 10:37	Benzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Toluene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Ethylbenzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		m,p-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		o-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Naphthalene	ND	40 µg/Kg	10/03/14	10/07/14

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Client ID :	**HP-2-30**					
Lab ID :	STR14100251-06A	TPH-P (GRO)	6,700	1,000 µg/Kg	10/03/14	10/07/14
Date Sampled	09/26/14 10:52	Benzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Toluene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Ethylbenzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		m,p-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		o-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Naphthalene	ND	40 µg/Kg	10/03/14	10/07/14
Client ID :	**HP-2-33**					
Lab ID :	STR14100251-07A	TPH-P (GRO)	4,600	1,000 µg/Kg	10/03/14	10/07/14
Date Sampled	09/26/14 11:02	Benzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Toluene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Ethylbenzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		m,p-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		o-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Naphthalene	ND	40 µg/Kg	10/03/14	10/07/14
Client ID :	**HP-2-35**					
Lab ID :	STR14100251-08A	TPH-P (GRO)	ND	1,000 µg/Kg	10/03/14	10/07/14
Date Sampled	09/26/14 11:04	Benzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Toluene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Ethylbenzene	ND	5.0 µg/Kg	10/03/14	10/07/14
		m,p-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		o-Xylene	ND	5.0 µg/Kg	10/03/14	10/07/14
		Naphthalene	ND	40 µg/Kg	10/03/14	10/07/14
Client ID :	**HP-1**					
Lab ID :	STR14100251-09A	TPH-P (GRO)	ND	50 µg/L	10/07/14	10/07/14
Date Sampled	09/26/14 11:10	Benzene	ND	0.50 µg/L	10/07/14	10/07/14
		Toluene	ND	0.50 µg/L	10/07/14	10/07/14
		Ethylbenzene	ND	0.50 µg/L	10/07/14	10/07/14
		m,p-Xylene	ND	0.50 µg/L	10/07/14	10/07/14
		o-Xylene	ND	0.50 µg/L	10/07/14	10/07/14
		Naphthalene	ND	2.0 µg/L	10/07/14	10/07/14
Client ID :	**HP-2**					
Lab ID :	STR14100251-10A	TPH-P (GRO)	340	50 µg/L	10/07/14	10/07/14
Date Sampled	09/26/14 11:15	Benzene	ND	0.50 µg/L	10/07/14	10/07/14
		Toluene	ND	0.50 µg/L	10/07/14	10/07/14
		Ethylbenzene	ND	0.50 µg/L	10/07/14	10/07/14
		m,p-Xylene	ND	0.50 µg/L	10/07/14	10/07/14
		o-Xylene	ND	0.50 µg/L	10/07/14	10/07/14
		Naphthalene	ND	2.0 µg/L	10/07/14	10/07/14

Reported in micrograms per Kilogram and micrograms per Liter, per client request.

Gasoline Range Organics (GRO) C4-C13

Sample results were calculated on a wet weight basis.
ND = Not Detected

ACCLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/10/14
Report Date

Alpha Analytical, Inc.

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VOC Sample Preservation Report

Work Order: STR14100251 **Job:** 2076-0301-01/German Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
14100251-09A	HP-1	Aqueous	2
14100251-10A	HP-2	Aqueous	2

10/10/14

Report Date

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Date: *10-Oct-14*

QC Summary Report

Work Order: 14100251

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141009\14100911.D** Batch ID: **MS10S3623B** Analysis Date: **10/09/2014 19:15**

Sample ID: **MBLK MS10S3623B** Units : **µg/Kg** Run ID: **MSD_10_141007A** Prep Date: **10/09/2014 19:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	1000								
Surr: 1,2-Dichloroethane-d4	200		200		100	70	130			
Surr: Toluene-d8	213		200		106	70	130			
Surr: 4-Bromofluorobenzene	157		200		78	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141009\14100914.D** Batch ID: **MS10S3623B** Analysis Date: **10/09/2014 20:22**

Sample ID: **GLCS MS10S3623B** Units : **µg/Kg** Run ID: **MSD_10_141007A** Prep Date: **10/09/2014 20:22**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	18400	2000	16000		115	63	149			
Surr: 1,2-Dichloroethane-d4	400		400		100	70	130			
Surr: Toluene-d8	419		400		105	70	130			
Surr: 4-Bromofluorobenzene	307		400		77	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141007\14100731.D** Batch ID: **MS10S3623B** Analysis Date: **10/08/2014 00:45**

Sample ID: **14100251-02AGS** Units : **µg/Kg** Run ID: **MSD_10_141007A** Prep Date: **10/08/2014 00:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	18100	2000	16000	0	113	36	164			
Surr: 1,2-Dichloroethane-d4	347		400		87	70	130			
Surr: Toluene-d8	428		400		107	70	130			
Surr: 4-Bromofluorobenzene	318		400		80	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141009\14100915.D** Batch ID: **MS10S3623B** Analysis Date: **10/09/2014 20:45**

Sample ID: **14100251-02AGSD** Units : **µg/Kg** Run ID: **MSD_10_141007A** Prep Date: **10/09/2014 20:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	17500	2000	16000	0	109	36	164	18110	3.7(40)	
Surr: 1,2-Dichloroethane-d4	402		400		100	70	130			
Surr: Toluene-d8	411		400		103	70	130			
Surr: 4-Bromofluorobenzene	314		400		78	70	130			

Comments:

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Reported in kilogram per Liter, per client request.

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Date: *10-Oct-14*

QC Summary Report

Work Order: 14100251

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14100709.D** Batch ID: **MS15W1007B** Analysis Date: **10/07/2014 14:02**

Sample ID: **MBLK MS15W1007B** Units : **µg/L** Run ID: **MSD_15_141007A** Prep Date: **10/07/2014 14:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.8		10		108	70	130			
Surr: Toluene-d8	9.83		10		98	70	130			
Surr: 4-Bromofluorobenzene	11.1		10		111	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14100707.D** Batch ID: **MS15W1007B** Analysis Date: **10/07/2014 13:07**

Sample ID: **GLCS MS15W1007B** Units : **µg/L** Run ID: **MSD_15_141007A** Prep Date: **10/07/2014 13:07**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	401	50	400		100	70	130			
Surr: 1,2-Dichloroethane-d4	10.7		10		107	70	130			
Surr: Toluene-d8	9.57		10		96	70	130			
Surr: 4-Bromofluorobenzene	11		10		110	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14100725.D** Batch ID: **MS15W1007B** Analysis Date: **10/07/2014 20:25**

Sample ID: **14100343-01AGS** Units : **µg/L** Run ID: **MSD_15_141007A** Prep Date: **10/07/2014 20:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2150	250	2000	109.8	102	54	143			
Surr: 1,2-Dichloroethane-d4	56.2		50		112	70	130			
Surr: Toluene-d8	47.9		50		96	70	130			
Surr: 4-Bromofluorobenzene	53.8		50		108	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14100726.D** Batch ID: **MS15W1007B** Analysis Date: **10/07/2014 20:49**

Sample ID: **14100343-01AGSD** Units : **µg/L** Run ID: **MSD_15_141007A** Prep Date: **10/07/2014 20:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2540	250	2000	109.8	121	54	143	2152	16.5(23)	
Surr: 1,2-Dichloroethane-d4	55.1		50		110	70	130			
Surr: Toluene-d8	47.8		50		96	70	130			
Surr: 4-Bromofluorobenzene	54.9		50		110	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in microgram per Liter, per client request.

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Date: *10-Oct-14*

QC Summary Report

Work Order: 14100251

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141009\14100911.D** Batch ID: **MS10S3623A** Analysis Date: **10/09/2014 19:15**

Sample ID: **MBLK MS10S3623A** Units : **µg/Kg** Run ID: **MSD_10_141007A** Prep Date: **10/09/2014 19:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	ND	5								
Toluene	ND	5								
Ethylbenzene	ND	5								
m,p-Xylene	ND	5								
o-Xylene	ND	5								
Naphthalene	ND	40								
Surr: 1,2-Dichloroethane-d4	200		200		100	70	130			
Surr: Toluene-d8	213		200		106	70	130			
Surr: 4-Bromofluorobenzene	157		200		78	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141007\14100727.D** Batch ID: **MS10S3623A** Analysis Date: **10/07/2014 23:16**

Sample ID: **LCS MS10S3623A** Units : **µg/Kg** Run ID: **MSD_10_141007A** Prep Date: **10/07/2014 23:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	373	10	400		93	70	137			
Toluene	377	10	400		94	70	139			
Ethylbenzene	444	10	400		111	70	137			
m,p-Xylene	451	10	400		113	70	145			
o-Xylene	449	10	400		112	70	145			
Surr: 1,2-Dichloroethane-d4	331		400		83	70	130			
Surr: Toluene-d8	456		400		114	70	130			
Surr: 4-Bromofluorobenzene	342		400		85	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141007\14100728.D** Batch ID: **MS10S3623A** Analysis Date: **10/07/2014 23:38**

Sample ID: **14100251-01AMS** Units : **µg/Kg** Run ID: **MSD_10_141007A** Prep Date: **10/07/2014 23:38**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	426	10	400	0	106	52	151			
Toluene	436	10	400	0	109	47	154			
Ethylbenzene	517	10	400	0	129	52	154			
m,p-Xylene	516	10	400	0	129	51	162			
o-Xylene	512	10	400	0	128	52	162			
Surr: 1,2-Dichloroethane-d4	349		400		87	70	130			
Surr: Toluene-d8	444		400		111	70	130			
Surr: 4-Bromofluorobenzene	319		400		80	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141009\14100913.D** Batch ID: **MS10S3623A** Analysis Date: **10/09/2014 20:00**

Sample ID: **14100251-01AMSD** Units : **µg/Kg** Run ID: **MSD_10_141007A** Prep Date: **10/09/2014 20:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	416	10	400	0	104	52	151	425.6	2.2(30)	
Toluene	391	10	400	0	98	47	154	436.4	11.1(28)	
Ethylbenzene	459	10	400	0	115	52	154	517.2	12.0(37)	
m,p-Xylene	457	10	400	0	114	51	162	516.2	12.1(34)	
o-Xylene	460	10	400	0	115	52	162	512.2	10.8(40)	
Surr: 1,2-Dichloroethane-d4	398		400		99.6	70	130			
Surr: Toluene-d8	418		400		105	70	130			
Surr: 4-Bromofluorobenzene	327		400		82	70	130			

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Date: *10-Oct-14*

QC Summary Report

Work Order: 14100251

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Date: *10-Oct-14*

QC Summary Report

Work Order: 14100251

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **14100709.D** Batch ID: **MS15W1007A** Analysis Date: **10/07/2014 14:02**

Sample ID: **MBLK MS15W1007A** Units : **µg/L** Run ID: **MSD_15_141007A** Prep Date: **10/07/2014 14:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	10.8		10		108	70	130			
Surr: Toluene-d8	9.83		10		98	70	130			
Surr: 4-Bromofluorobenzene	11.1		10		111	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **14100706.D** Batch ID: **MS15W1007A** Analysis Date: **10/07/2014 12:41**

Sample ID: **LCS MS15W1007A** Units : **µg/L** Run ID: **MSD_15_141007A** Prep Date: **10/07/2014 12:41**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	10.1	0.5	10		101	70	130			
Toluene	9.58	0.5	10		96	80	120			
Ethylbenzene	10.5	0.5	10		105	80	120			
m,p-Xylene	9.96	0.5	10		99.6	65	139			
o-Xylene	9.59	0.5	10		96	70	130			
Surr: 1,2-Dichloroethane-d4	10		10		100	70	130			
Surr: Toluene-d8	9.59		10		96	70	130			
Surr: 4-Bromofluorobenzene	10.7		10		107	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **14100723.D** Batch ID: **MS15W1007A** Analysis Date: **10/07/2014 19:37**

Sample ID: **14100343-01AMS** Units : **µg/L** Run ID: **MSD_15_141007A** Prep Date: **10/07/2014 19:37**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	59.3	1.3	50	0	119	67	134			
Toluene	52.4	1.3	50	0	105	38	130			
Ethylbenzene	56.1	1.3	50	0	112	70	130			
m,p-Xylene	56.3	1.3	50	3.34	106	65	139			
o-Xylene	54.3	1.3	50	1.23	106	69	130			
Surr: 1,2-Dichloroethane-d4	55.8		50		112	70	130			
Surr: Toluene-d8	45.9		50		92	70	130			
Surr: 4-Bromofluorobenzene	51.5		50		103	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **14100724.D** Batch ID: **MS15W1007A** Analysis Date: **10/07/2014 20:01**

Sample ID: **14100343-01AMSD** Units : **µg/L** Run ID: **MSD_15_141007A** Prep Date: **10/07/2014 20:01**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	57.2	1.3	50	0	114	67	134	59.34	3.7(21)	
Toluene	52.3	1.3	50	0	105	38	130	52.41	0.3(20)	
Ethylbenzene	57.2	1.3	50	0	114	70	130	56.06	1.9(20)	
m,p-Xylene	57.4	1.3	50	3.34	108	65	139	56.32	1.9(20)	
o-Xylene	55.3	1.3	50	1.23	108	69	130	54.33	1.8(20)	
Surr: 1,2-Dichloroethane-d4	56.2		50		112	70	130			
Surr: Toluene-d8	45.8		50		92	70	130			
Surr: 4-Bromofluorobenzene	51.4		50		103	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *10-Oct-14*

QC Summary Report

Work Order: 14100251

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : STR14100251

Report Due By : 5:00 PM On : 09-Oct-14

Report Attention	Phone Number	EMail Address
Trevor Hartwell	(530) 676-6004 x	thartwell@stratusinc.net

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

PO :

Client's COC # : 58273 Job : 2076-0301-01/German Auto

EDD Required : Yes

Sampled by : Allan Dudding

Cooler Temp	Samples Received	Date Printed
0 °C	02-Oct-14	02-Oct-14

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_S	TPH/P_W	VOC_S	VOC_W					Sample Remarks
STR14100251-01A	HP-1-25	SO	09/26/14 09:15	1	0	5	GAS-C		BTXE/NAPH_C						
STR14100251-02A	HP-1-30	SO	09/26/14 09:25	1	0	5	GAS-C		BTXE/NAPH_C						
STR14100251-03A	HP-1-33	SO	09/26/14 09:50	1	0	5	GAS-C		BTXE/NAPH_C						
STR14100251-04A	HP-1-38	SO	09/26/14 10:00	1	0	5	GAS-C		BTXE/NAPH_C						
STR14100251-05A	HP-2-25	SO	09/26/14 10:37	1	0	5	GAS-C		BTXE/NAPH_C						
STR14100251-06A	HP-2-30	SO	09/26/14 10:52	1	0	5	GAS-C		BTXE/NAPH_C						
STR14100251-07A	HP-2-33	SO	09/26/14 11:02	1	0	5	GAS-C		BTXE/NAPH_C						
STR14100251-08A	HP-2-35	SO	09/26/14 11:04	1	0	5	GAS-C		BTXE/NAPH_C						
STR14100251-09A	HP-1	AQ	09/26/14 11:10	5	0	5		GAS-C		BTXE/NAPH_C					
STR14100251-10A	HP-2	AQ	09/26/14 11:15	5	0	5		GAS-C		BTXE/NAPH_C					

Comments: Security seals intact. Frozen ice. Per telecomm and email from Trevor, samples 09 and 10A (HP-1, HP-2) added on chain by lab. :

	Signature	Print Name	Company	Date/Time
Logged in by:		ARIANNA CHAVEZ	Alpha Analytical, Inc.	10/04/14 1442

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:
Company Name Strathy Env.
Attn:
Address
City, State, Zip
Phone Number Fax

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State? AZ ___ CA X NV ___ WA ___ DOD Site ___
ID ___ OR ___ OTHER ___ Page # 1 of 1

58273

Consultant / Client Name: German Auto
Address: 301 E. 14th Ave St
City, State, Zip: San Leandro, CA

Job # 2076-0301-01
Job Name: German Auto craft

Report Attention / Project Manager
Name: Trevor Hartwell
Email: thartwell@strathusa.net
Phone: Mobile:

Data Validation Level: III or IV
EDD / EDF? YES X NO
Global ID # T0600100639

Time Sampled	Date Sampled	Matrix* See Key Below	P.O. # / Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	# Containers**	GRO	BTEX	Naphthalene					REMARKS
0915	9/26	SO	STR1410025I-01 A	HP-1-25	5-day		1P	X	X	X					
0925			02	HP-1-30											
0950			03	HP-1-33											
~~0932~~			~~04~~	~~HP-1-35~~											
1000			04	HP-1-38											
1037			05	HP-2-25											
1052			06	HP-2-30											
1102			07	HP-2-33											
1104			08	HP-2-35											
HP-10		AQ	09	HP-1			5	X	X	X					
11:15		AQ	10	HP-2			5	X	X	X					

FOR LAB USE ONLY

ADDITIONAL INSTRUCTIONS:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled By: Allan Dudding

Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:
	E. Figueroa	9/30/14	1845
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:
		10-02-14	0900
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Trevor Hartwell
Phone: (530) 676-6004
Fax: (530) 676-6005
Date Received : 10/29/14

Job: 2076-0301-01/German Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**MW-15**					
Lab ID :	STR14102940-01A	TPH-P (GRO)	71,000	8,000 µg/L	10/31/14	10/31/14
Date Sampled	10/27/14 13:32	Benzene	140	40 µg/L	10/31/14	10/31/14
		Toluene	2,500	40 µg/L	10/31/14	10/31/14
		Ethylbenzene	2,700	40 µg/L	10/31/14	10/31/14
		m,p-Xylene	8,000	40 µg/L	10/31/14	10/31/14
		o-Xylene	2,800	40 µg/L	10/31/14	10/31/14

Gasoline Range Organics (GRO) C4-C13
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

11/5/14
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR14102940 **Job:** 2076-0301-01/German Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
14102940-01A	MW-15	Aqueous	2

11/5/14

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *03-Nov-14*

QC Summary Report

Work Order: 14102940

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14103104.D** Batch ID: **MS15W1031B** Analysis Date: **10/31/2014 11:48**

Sample ID: **MBLK MS15W1031B** Units : **µg/L** Run ID: **MSD_15_141031A** Prep Date: **10/31/2014 11:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.5		10		105	70	130			
Surr: Toluene-d8	8.9		10		89	70	130			
Surr: 4-Bromofluorobenzene	11.4		10		114	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14103103.D** Batch ID: **MS15W1031B** Analysis Date: **10/31/2014 11:16**

Sample ID: **GLCS MS15W1031B** Units : **µg/L** Run ID: **MSD_15_141031A** Prep Date: **10/31/2014 11:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	423	50	400		106	70	130			
Surr: 1,2-Dichloroethane-d4	10.9		10		109	70	130			
Surr: Toluene-d8	8.75		10		88	70	130			
Surr: 4-Bromofluorobenzene	11.3		10		113	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14103110.D** Batch ID: **MS15W1031B** Analysis Date: **10/31/2014 14:12**

Sample ID: **14102421-66AGS** Units : **µg/L** Run ID: **MSD_15_141031A** Prep Date: **10/31/2014 14:12**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2440	250	2000	0	122	54	143			
Surr: 1,2-Dichloroethane-d4	57.3		50		115	70	130			
Surr: Toluene-d8	43.5		50		87	70	130			
Surr: 4-Bromofluorobenzene	56.5		50		113	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14103111.D** Batch ID: **MS15W1031B** Analysis Date: **10/31/2014 14:36**

Sample ID: **14102421-66AGSD** Units : **µg/L** Run ID: **MSD_15_141031A** Prep Date: **10/31/2014 14:36**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2530	250	2000	0	126	54	143	2437	3.6(23)	
Surr: 1,2-Dichloroethane-d4	55.1		50		110	70	130			
Surr: Toluene-d8	43.5		50		87	70	130			
Surr: 4-Bromofluorobenzene	57.1		50		114	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 03-Nov-14

QC Summary Report

Work Order: 14102940

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **14103104.D** Batch ID: **MS15W1031A** Analysis Date: **10/31/2014 11:48**

Sample ID: **MBLK MS15W1031A** Units : µg/L Run ID: **MSD_15_141031A** Prep Date: **10/31/2014 11:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	10.5		10		105	70	130			
Surr: Toluene-d8	8.9		10		89	70	130			
Surr: 4-Bromofluorobenzene	11.4		10		114	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **14103102.D** Batch ID: **MS15W1031A** Analysis Date: **10/31/2014 10:49**

Sample ID: **LCS MS15W1031A** Units : µg/L Run ID: **MSD_15_141031A** Prep Date: **10/31/2014 10:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	10.3	0.5	10		103	70	130			
Toluene	8.18	0.5	10		82	80	120			
Ethylbenzene	8.84	0.5	10		88	80	120			
m,p-Xylene	8.28	0.5	10		83	65	139			
o-Xylene	8.04	0.5	10		80	70	130			
Surr: 1,2-Dichloroethane-d4	11.2		10		112	70	130			
Surr: Toluene-d8	8.55		10		86	70	130			
Surr: 4-Bromofluorobenzene	10.8		10		108	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **14103108.D** Batch ID: **MS15W1031A** Analysis Date: **10/31/2014 13:24**

Sample ID: **14102421-66AMS** Units : µg/L Run ID: **MSD_15_141031A** Prep Date: **10/31/2014 13:24**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	56.6	1.3	50	0	113	67	134			
Toluene	44.9	1.3	50	0	90	38	130			
Ethylbenzene	48.2	1.3	50	0	96	70	130			
m,p-Xylene	45.6	1.3	50	0	91	65	139			
o-Xylene	44.9	1.3	50	0	90	69	130			
Surr: 1,2-Dichloroethane-d4	56		50		112	70	130			
Surr: Toluene-d8	43		50		86	70	130			
Surr: 4-Bromofluorobenzene	54.1		50		108	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **14103109.D** Batch ID: **MS15W1031A** Analysis Date: **10/31/2014 13:48**

Sample ID: **14102421-66AMSD** Units : µg/L Run ID: **MSD_15_141031A** Prep Date: **10/31/2014 13:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	60.1	1.3	50	0	120	67	134	56.57	6.0(21)	
Toluene	47.1	1.3	50	0	94	38	130	44.86	4.8(20)	
Ethylbenzene	50.8	1.3	50	0	102	70	130	48.15	5.4(20)	
m,p-Xylene	47.9	1.3	50	0	96	65	139	45.56	5.1(20)	
o-Xylene	47.2	1.3	50	0	94	69	130	44.93	4.9(20)	
Surr: 1,2-Dichloroethane-d4	56		50		112	70	130			
Surr: Toluene-d8	42.3		50		85	70	130			
Surr: 4-Bromofluorobenzene	54.1		50		108	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : STR14102940

Report Due By : 5:00 PM On : 05-Nov-14

Report Attention	Phone Number	EMail Address
Trevor Hartwell	(530) 676-6004 x	thartwell@stratusinc.net

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

PO :

Client's COC # : 16618 Job : 2076-0301-01/German Auto

EDD Required : **Yes**

Sampled by : Ben Gooding

Cooler Temp	Samples Received	Date Printed
3 °C	29-Oct-14	**29-Oct-14**

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR14102940-01A	MW-15	AQ	10/27/14 13:32	4	0	5	GAS-C	BTXE_C							

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:		ALI ADNA CHACON	Alpha Analytical, Inc.	10/29/14 1055

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:
Company: Stratus Env
Attn:
Address:
City, State, Zip:
Phone Number: _____ Fax: _____

Alpha Analytical, Inc.
Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
Phone: 775-355-1044
Fax: 775-355-0406

Satellite Service Centers:
Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 Phone: 775-388-7043
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-281-4848

16618

Page # 1 of 1

Consultant/ Client Info:
Company: German Auto
Address: 301 East 14th St
City, State, Zip: San Leandro, CA

Job and Purchase Order Info:
Job #: 2076-0301-01
Job Name:
P.O. #:

Report Attention/Project Manager:
Name: Trevor Hartwell
Email Address:
Phone #:
Cell #:

QC Deliverable Info:
EDD Required? Yes / No
EDF Required? (Yes) / No
Global ID: T0600100639
Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR (CA) KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	Analysis Requested: GRO	Analysis Requested: BTEX	Remarks
1332	10/27	AQ	STR1410Z7-01A	MW-1S	STD	4V		X	X	X	

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: Dan Gooding

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Dan Gooding	10/27/14	1740	Melissa T	10-28-14	1000
Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
			CR	10-29-14	0930
Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

* Key: AQ - Aqueous WA - Waste OT - Other So-Soil ** L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Trevor Hartwell
Phone: (530) 676-6004
Fax: (530) 676-6005
Date Received : 10/29/14

Job: 2076-0301-01/German Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**B-6-3**					
Lab ID :	STR14102942-01A	TPH-P (GRO)	ND	1,000 µg/Kg	10/29/14	10/30/14
Date Sampled	10/23/14 13:02	Benzene	ND	5.0 µg/Kg	10/29/14	10/30/14
		Toluene	ND	5.0 µg/Kg	10/29/14	10/30/14
		Ethylbenzene	ND	5.0 µg/Kg	10/29/14	10/30/14
		m,p-Xylene	ND	5.0 µg/Kg	10/29/14	10/30/14
		o-Xylene	ND	5.0 µg/Kg	10/29/14	10/30/14
		Naphthalene	ND	40 µg/Kg	10/29/14	10/30/14
Client ID :	**B-6-6**					
Lab ID :	STR14102942-02A	TPH-P (GRO)	ND	1,000 µg/Kg	10/29/14	10/30/14
Date Sampled	10/23/14 13:57	Benzene	ND	5.0 µg/Kg	10/29/14	10/30/14
		Toluene	ND	5.0 µg/Kg	10/29/14	10/30/14
		Ethylbenzene	ND	5.0 µg/Kg	10/29/14	10/30/14
		m,p-Xylene	ND	5.0 µg/Kg	10/29/14	10/30/14
		o-Xylene	ND	5.0 µg/Kg	10/29/14	10/30/14
		Naphthalene	ND	40 µg/Kg	10/29/14	10/30/14

Gasoline Range Organics (GRO) C4-C13
This replaces the report signed 11/5/14 due to a change in the analyte list for -02A, due to lab error.
Sample results were calculated on a wet weight basis.
ND = Not Detected
Reported in micrograms per Kilogram, per client request.

ACLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

NELAP ACCREDITED LABORATORY

11/7/14
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *05-Nov-14*

QC Summary Report

Work Order: 14102942

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14103006.D** Batch ID: **MS08S3762B** Analysis Date: **10/30/2014 11:45**

Sample ID: **MBLK MS08S3762B** Units : **µg/Kg** Run ID: **MSD_08_141030A** Prep Date: **10/30/2014 11:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	1000								
Surr: 1,2-Dichloroethane-d4	203		200		102	70	130			
Surr: Toluene-d8	213		200		107	70	130			
Surr: 4-Bromofluorobenzene	208		200		104	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14103030.D** Batch ID: **MS08S3762B** Analysis Date: **10/30/2014 21:07**

Sample ID: **GLCS MS08S3762B** Units : **µg/Kg** Run ID: **MSD_08_141030A** Prep Date: **10/30/2014 21:07**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	19400	2000	16000		121	63	149			
Surr: 1,2-Dichloroethane-d4	413		400		103	70	130			
Surr: Toluene-d8	376		400		94	70	130			
Surr: 4-Bromofluorobenzene	472		400		118	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14103031.D** Batch ID: **MS08S3762B** Analysis Date: **10/30/2014 21:30**

Sample ID: **14102920-01AGS** Units : **µg/Kg** Run ID: **MSD_08_141030A** Prep Date: **10/30/2014 21:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	15900	2000	16000	0	99	36	164			
Surr: 1,2-Dichloroethane-d4	398		400		99	70	130			
Surr: Toluene-d8	386		400		97	70	130			
Surr: 4-Bromofluorobenzene	505		400		126	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14103105.D** Batch ID: **MS08S3762B** Analysis Date: **10/31/2014 12:09**

Sample ID: **14102920-01AGSD** Units : **µg/Kg** Run ID: **MSD_08_141030A** Prep Date: **10/31/2014 12:09**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	14700	2000	16000	0	92	36	164	15890	7.9(40)	
Surr: 1,2-Dichloroethane-d4	410		400		103	70	130			
Surr: Toluene-d8	376		400		94	70	130			
Surr: 4-Bromofluorobenzene	480		400		120	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Kilogram, per client request.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *05-Nov-14*

QC Summary Report

Work Order: 14102942

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **14103006.D** Batch ID: **MS08S3762A** Analysis Date: **10/30/2014 11:45**

Sample ID: **MBLK MS08S3762A** Units : **µg/Kg** Run ID: **MSD_08_141030A** Prep Date: **10/30/2014 11:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	ND	5								
Toluene	ND	5								
Ethylbenzene	ND	5								
m,p-Xylene	ND	5								
o-Xylene	ND	5								
Naphthalene	ND	40								
Surr: 1,2-Dichloroethane-d4	203		200		102	70	130			
Surr: Toluene-d8	213		200		107	70	130			
Surr: 4-Bromofluorobenzene	208		200		104	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **14103027.D** Batch ID: **MS08S3762A** Analysis Date: **10/30/2014 19:58**

Sample ID: **LCS MS08S3762A** Units : **µg/Kg** Run ID: **MSD_08_141030A** Prep Date: **10/30/2014 19:58**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	383	10	400		96	70	137			
Toluene	409	10	400		102	70	139			
Ethylbenzene	397	10	400		99	70	137			
m,p-Xylene	424	10	400		106	70	145			
o-Xylene	413	10	400		103	70	145			
Surr: 1,2-Dichloroethane-d4	442		400		111	70	130			
Surr: Toluene-d8	386		400		97	70	130			
Surr: 4-Bromofluorobenzene	478		400		119	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **14103028.D** Batch ID: **MS08S3762A** Analysis Date: **10/30/2014 20:21**

Sample ID: **14102744-01AMS** Units : **µg/Kg** Run ID: **MSD_08_141030A** Prep Date: **10/30/2014 20:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	362	10	400	0	91	52	151			
Toluene	387	10	400	0	97	47	154			
Ethylbenzene	376	10	400	0	94	52	154			
m,p-Xylene	400	10	400	0	100	51	162			
o-Xylene	391	10	400	0	98	52	162			
Surr: 1,2-Dichloroethane-d4	439		400		110	70	130			
Surr: Toluene-d8	383		400		96	70	130			
Surr: 4-Bromofluorobenzene	478		400		119	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **14103029.D** Batch ID: **MS08S3762A** Analysis Date: **10/30/2014 20:43**

Sample ID: **14102744-01AMSD** Units : **µg/Kg** Run ID: **MSD_08_141030A** Prep Date: **10/30/2014 20:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	367	10	400	0	92	52	151	362.3	1.4(30)	
Toluene	397	10	400	0	99	47	154	386.6	2.6(28)	
Ethylbenzene	387	10	400	0	97	52	154	376.3	2.9(37)	
m,p-Xylene	415	10	400	0	104	51	162	400.4	3.5(34)	
o-Xylene	402	10	400	0	101	52	162	391.4	2.7(40)	
Surr: 1,2-Dichloroethane-d4	435		400		109	70	130			
Surr: Toluene-d8	391		400		98	70	130			
Surr: 4-Bromofluorobenzene	488		400		122	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *05-Nov-14*

QC Summary Report

Work Order: 14102942

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR14102942

Report Due By : 5:00 PM On : 05-Nov-14

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Trevor Hartwell	(530) 676-6004 x	thartwell@stratusinc.net

EDD Required : **Yes**

Sampled by : Carl Schulze

PO :

Client's COC # : 12315 Job : 2076-0301-01/German Auto

Cooler Temp	Samples Received	Date Printed
3 °C	29-Oct-14	**29-Oct-14**

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_S	VOC_S							Sample Remarks
STR14102942-01A	B-6-3	SO	10/23/14 13:02	1	0	5	GAS-C	BTXE/Naphthalene_C							
STR14102942-02A	B-6-6	SO	10/23/14 13:57	1	0	5	GAS-C	BTXE/Naphthalene_C							

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:		AMANDA CARLON	**Alpha Analytical, Inc.**	10/29/14 1101

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Stratus Environmental
Attn:
Address:
City, State, Zip:
Phone Number: Fax:

Alpha Analytical, Inc.
Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
Phone: 775-355-1044
Fax: 775-355-0406

Satellite Service Centers:
Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-281-4848
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901

12315

Page # 1 of 1

Consultant/ Client Info:
Company: Gemen Auto
Address: 301 E 14th St
City, State, Zip: San Leandro, CA

Job and Purchase Order Info:
Job # 2076-0301-01
Job Name:
P.O. #:

Report Attention/Project Manager:
Name: Trevor Hartwell
Email Address:
Phone #:
Cell #:

QC Deliverable Info:
EDD Required? Yes / No
EDF Required? (Yes) No
Global ID: T0600100639
Data Validation Level: III or IV

Samples Collected from which State? (circle one) AZ CA NV WA ID OR DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	Field Filtered?	# Containers** (See Key Below)	Analysis Requested: GRO	BTEX	naphthalene								Remarks
1302	10/23	SO	STR1410294201A	B-6-7	std	n	1B	x	x	x								
1357	10/23	SO	02	B-6-6	std	n	1B	x	x	x								

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: Carl Schulze

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
	10/24/14	0745	Melissa T	10-28-14	1000
				10-29-14	0930

* Key: AQ - Aqueous WA - Waste OT - Other **: L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

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11/6/2014
Mr. Allan Dudding
Stratus Environmental, Inc.
3330 Cameron Park Drive
Suite 550
Cameron Park CA 95682-8861

Project Name: German Auto
Project #: 2076-0301-01
Workorder #: 1410376

Dear Mr. Allan Dudding

The following report includes the data for the above referenced project for sample(s) received on 10/24/2014 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner

Project Manager

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WORK ORDER #: 1410376

Work Order Summary

CLIENT:	Mr. Allan Dudding Stratus Environmental, Inc. 3330 Cameron Park Drive Suite 550 Cameron Park, CA 95682-8861	**BILL TO:**	Mr. Allan Dudding Stratus Environmental, Inc. 3330 Cameron Park Drive Suite 550 Cameron Park, CA 95682-8861
PHONE:	530-676-6004	**P.O. #**	100314-0301-01
FAX:	530-676-6005	**PROJECT #**	2076-0301-01 German Auto
DATE RECEIVED:	10/24/2014	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	11/06/2014		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-1	TO-15	2.8 "Hg	15.4 psi
02A	VP-2	TO-15	2.8 "Hg	14.5 psi
03A	VP-7	TO-15	2.2 "Hg	14.8 psi
04A	VP-8	TO-15	4.7 "Hg	15.4 psi
05A	VP-9	TO-15	3.9 "Hg	14.8 psi
06A	Lab Blank	TO-15	NA	NA
07A	CCV	TO-15	NA	NA
08A	LCS	TO-15	NA	NA
08AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 11/06/14

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

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LABORATORY NARRATIVE
EPA Method TO-15
Stratus Environmental, Inc.
Workorder# 1410376

Five 1 Liter Summa Canister samples were received on October 24, 2014. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds. Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

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

N - The identification is based on presumptive evidence.

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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

Client Sample ID: VP-1

Lab ID#: 1410376-01A

No Detections Were Found.

Client Sample ID: VP-2

Lab ID#: 1410376-02A

No Detections Were Found.

Client Sample ID: VP-7

Lab ID#: 1410376-03A

No Detections Were Found.

Client Sample ID: VP-8

Lab ID#: 1410376-04A

No Detections Were Found.

Client Sample ID: VP-9

Lab ID#: 1410376-05A

No Detections Were Found.

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Client Sample ID: VP-1

Lab ID#: 1410376-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17102911**	**Date of Collection:**	**10/23/14 1:08:00 PM**
Dil. Factor:	**2.26**	**Date of Analysis:**	**10/29/14 03:51 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.1	Not Detected	4.1	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
m,p-Xylene	1.1	Not Detected	4.9	Not Detected
o-Xylene	1.1	Not Detected	4.9	Not Detected
Naphthalene	4.5	Not Detected	24	Not Detected
1,1-Difluoroethane	4.5	Not Detected	12	Not Detected
TPH ref. to Gasoline (MW=100)	56	Not Detected	230	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: VP-2

Lab ID#: 1410376-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17102912**	**Date of Collection:**	**10/23/14 12:39:00 P**
Dil. Factor:	**2.19**	**Date of Analysis:**	**10/29/14 04:14 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.1	Not Detected	3.9	Not Detected
Benzene	1.1	Not Detected	3.5	Not Detected
Toluene	1.1	Not Detected	4.1	Not Detected
Ethyl Benzene	1.1	Not Detected	4.8	Not Detected
m,p-Xylene	1.1	Not Detected	4.8	Not Detected
o-Xylene	1.1	Not Detected	4.8	Not Detected
Naphthalene	4.4	Not Detected	23	Not Detected
1,1-Difluoroethane	4.4	Not Detected	12	Not Detected
TPH ref. to Gasoline (MW=100)	55	Not Detected	220	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: VP-7

Lab ID#: 1410376-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17102913**	**Date of Collection:**	**10/23/14 2:37:00 PM**
Dil. Factor:	**2.16**	**Date of Analysis:**	**10/29/14 04:38 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.1	Not Detected	3.9	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
Toluene	1.1	Not Detected	4.1	Not Detected
Ethyl Benzene	1.1	Not Detected	4.7	Not Detected
m,p-Xylene	1.1	Not Detected	4.7	Not Detected
o-Xylene	1.1	Not Detected	4.7	Not Detected
Naphthalene	4.3	Not Detected	23	Not Detected
1,1-Difluoroethane	4.3	Not Detected	12	Not Detected
TPH ref. to Gasoline (MW=100)	54	Not Detected	220	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: VP-8

Lab ID#: 1410376-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17102914**	**Date of Collection:**	**10/23/14 1:36:00 PM**
Dil. Factor:	**2.43**	**Date of Analysis:**	**10/29/14 05:01 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.3	Not Detected
m,p-Xylene	1.2	Not Detected	5.3	Not Detected
o-Xylene	1.2	Not Detected	5.3	Not Detected
Naphthalene	4.9	Not Detected	25	Not Detected
1,1-Difluoroethane	4.9	Not Detected	13	Not Detected
TPH ref. to Gasoline (MW=100)	61	Not Detected	250	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: VP-9

Lab ID#: 1410376-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17102915**	**Date of Collection:**	**10/23/14 1:07:00 PM**
Dil. Factor:	**2.31**	**Date of Analysis:**	**10/29/14 05:24 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Naphthalene	4.6	Not Detected	24	Not Detected
1,1-Difluoroethane	4.6	Not Detected	12	Not Detected
TPH ref. to Gasoline (MW=100)	58	Not Detected	240	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1410376-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17102909a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/29/14 02:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
1,1-Difluoroethane	2.0	Not Detected	5.4	Not Detected
TPH ref. to Gasoline (MW=100)	25	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: CCV

Lab ID#: 1410376-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17102902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/29/14 10:39 AM**	

Compound	%Recovery
Methyl tert-butyl ether	92
Benzene	101
Toluene	94
Ethyl Benzene	89
m,p-Xylene	87
o-Xylene	89
Naphthalene	92
1,1-Difluoroethane	74
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCS

Lab ID#: 1410376-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17102903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/29/14 11:01 AM**	

Compound	%Recovery	Method Limits
Methyl tert-butyl ether	103	70-130
Benzene	117	70-130
Toluene	106	70-130
Ethyl Benzene	101	70-130
m,p-Xylene	99	70-130
o-Xylene	100	70-130
Naphthalene	106	60-140
1,1-Difluoroethane	Not Spiked	
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: LCSD

Lab ID#: 1410376-08AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17102904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/29/14 11:23 AM**	

Compound	%Recovery	Method Limits
Methyl tert-butyl ether	104	70-130
Benzene	114	70-130
Toluene	104	70-130
Ethyl Benzene	97	70-130
m,p-Xylene	96	70-130
o-Xylene	97	70-130
Naphthalene	110	60-140
1,1-Difluoroethane	Not Spiked	
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	99	70-130

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

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

Project Manager: Trevor Hartwell
Collected by: (Print and Sign) Carl Shulze
Company: Stratus Environmental Email: thartwell@stratusinc.net
Address: 3330 Cameron Park Dr. Ste. 550 City: Cameron Park State: CA Zip: 95682
Phone: (530) 676-6004 Fax:

Project Info:
P.O. #:
Project #: 2076-0301-01
Project Name: German Auto

Turn Around Time:
☐ Normal
☐ Rush
specify

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

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	VP-1	37855	10/23/14	1308	GRO, BTEX,	30	3.5		
02A	VP-2	36406		1239	MTBE, 1,1-DFA,	29	2		
03A	VP-7	11430		1437	naphthalene by	30	3		
04A	VP-8	4129		1336	EPA TO-15 GC/MS	30	5		
05A	VP-9	IL1578		1307		30	4		

Relinquished by: (signature) Date/Time: 10/24/14
Received by: (signature) Date/Time: [illegible] EATL 10/24/14 0935
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Hand Delivered		NA	Good	Yes No None	1410376

Form 1293 rev.11